

Life Is On

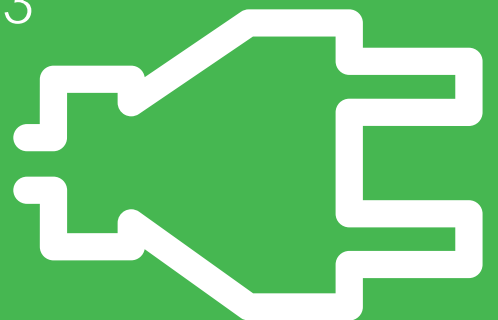
Schneider  
Electric



 Price List

# Final Distribution, Wiring Devices and Lighting Control Products

With effect from January 30<sup>th</sup>, 2023



[se.com/in](https://se.com/in)



---

|   |    |
|---|----|
| <b>Acti 9 Distribution System</b>                         |    |
| > Miniature Circuit Breakers (MCBs).....                  | 8  |
| > Residual Current Devices.....                           | 12 |
| > Auxiliaries and Accessories for MCBs / RCDs.....        | 14 |
| > Surge Protection Devices.....                           | 16 |
| > Control and Command Products.....                       | 18 |
| > ComReady Control and Command Products.....              | 20 |
| > Isobar Distribution System.....                         | 21 |
| > Acti 9 Isobar Pan Assembly.....                         | 23 |
| > Acti 9 Distribution Boards.....                         | 24 |
| > Modular Distribution Boards - Metallic.....             | 28 |
| <b>Kaedra Enclosures</b>                                  |    |
| > Weather Proof.....                                      | 34 |
| <b>Pratika</b>  |    |
| > Plugs and Sockets - IP44 / IP67.....                    | 36 |
| <b>Electra</b>  |    |
| > Metal Clad Plugs & Sockets.....                         | 40 |
| <b>56 Series</b>  |    |
| > Plugs and Sockets - IP56 / IP66.....                    | 41 |
| <b>Wiring Devices</b>                                     |    |
| > LIVIA - Switch to the extra-ordinary.....               | 46 |
| > Clipsal X - As Stylish As Your World.....               | 47 |
| > Opale - Switches with Satin Finish.....                 | 51 |
| > Unica Pure - Irresistibly Beautiful.....                | 53 |
| > ZENcelo India - The Revolutionary Full-Flat Switch..... | 63 |
| > AvatarOn - It's also a Switch.....                      | 67 |
| > Kavacha - Weather Protected Series.....                 | 74 |
| > Metal Boxes.....  | 75 |
| > Wiser.....  | 76 |
| > Surface and Flush Mount Occupancy Sensors.....          | 77 |
| > Dimmable Sensors with Light Regulation.....             | 77 |
| > Wall Mount Sensors.....                                 | 78 |
| > Hotel - ELV Dual Motion Sensor.....                     | 78 |
| > Timers & Time Switches.....                             | 79 |

# Acti 9 | Advanced Communication Technology that Inspires

## > Protection devices

- Miniature circuit breakers
- Residual current circuit breakers
- Vigi™ residual current devices
- Surge Protection Devices

## > Protection monitoring and supervision

- Indication and tripping auxiliaries
- Remote control auxiliaries
- Automatic reclosure auxiliaries



Innovative  
Protection monitoring Total control and  
Metering @ DB level



Efficient  
Manage loads, reduce operating and project  
costs, and accurately plan maintenance

## > Control and monitoring

- Contactors
- Impulse relays
- Integrated control circuit breakers
- Light indicators
- Push-buttons and selector switches
- Kilowatt hour meters
- Communicating architecture

## > Installation system

- IP20B terminals
- Splitter blocks
- Full range of mounting and wiring accessories



### Reliable

Dual certifications for one product, 100 percent MCB and RCD coordination, easy ordering and design, error free fast connections

# Acti 9 | Advanced Communication Technology that Inspires.....

## > Innovative

- Centralized control system including energy metering
- Large and variable data reading and computing through universal Modbus protocol

## > Efficient

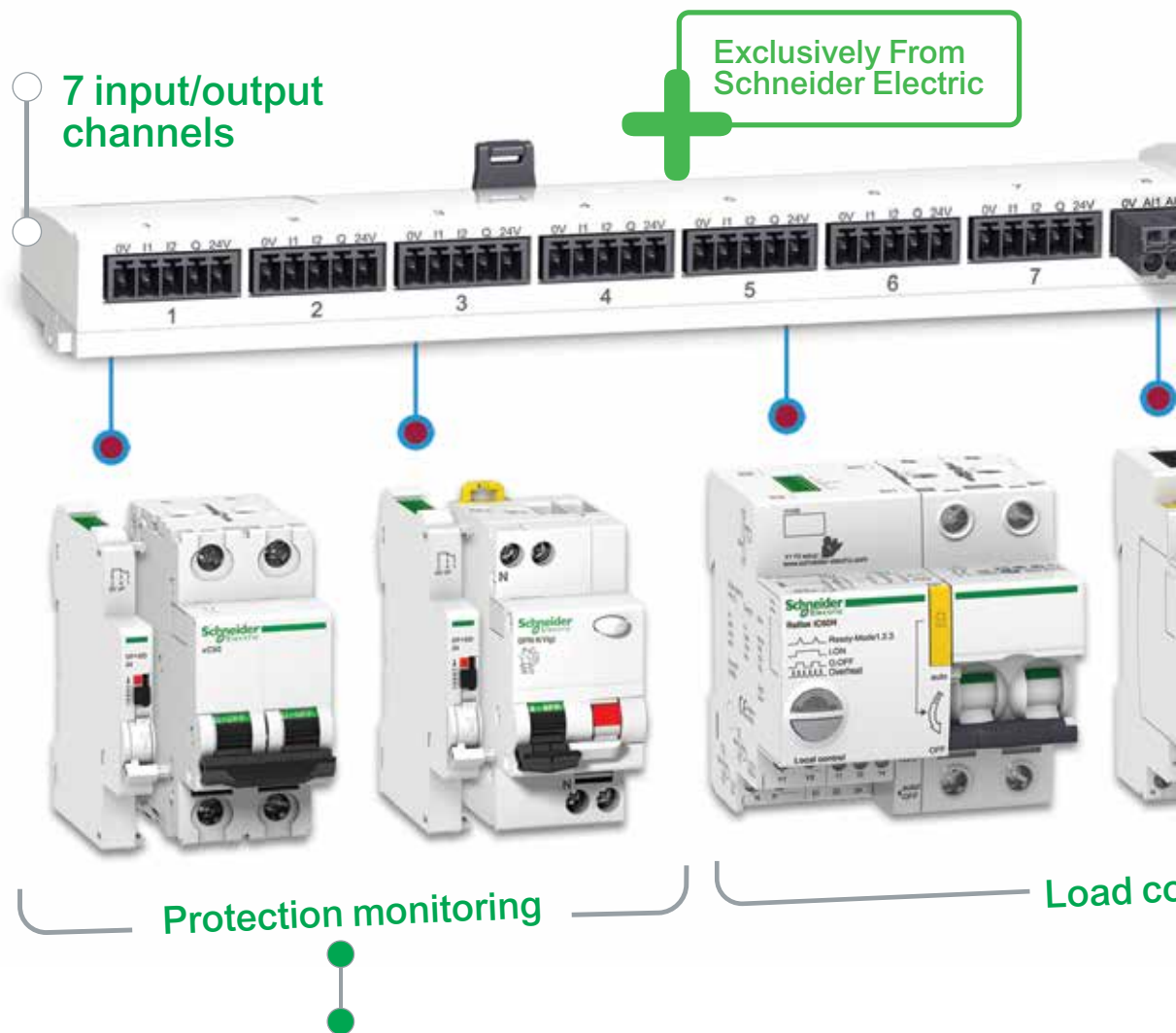
- One-click, prefabricated wiring for comprehensive communication between your distribution board or panel and any facility management system

## > Reliable

- Error proof connection leading to reduction in downtime
- EMC tested for immunity, radiated and conducted safety

**NEW**

Email Notification upon Event (Devices Status Change, Alarm threshold reached etc.)



- > Status Monitoring - ON / OFF / TRIP
- > Trip Alarm Indication
- > Load Monitoring - No. of tripping cycles, Running Hours

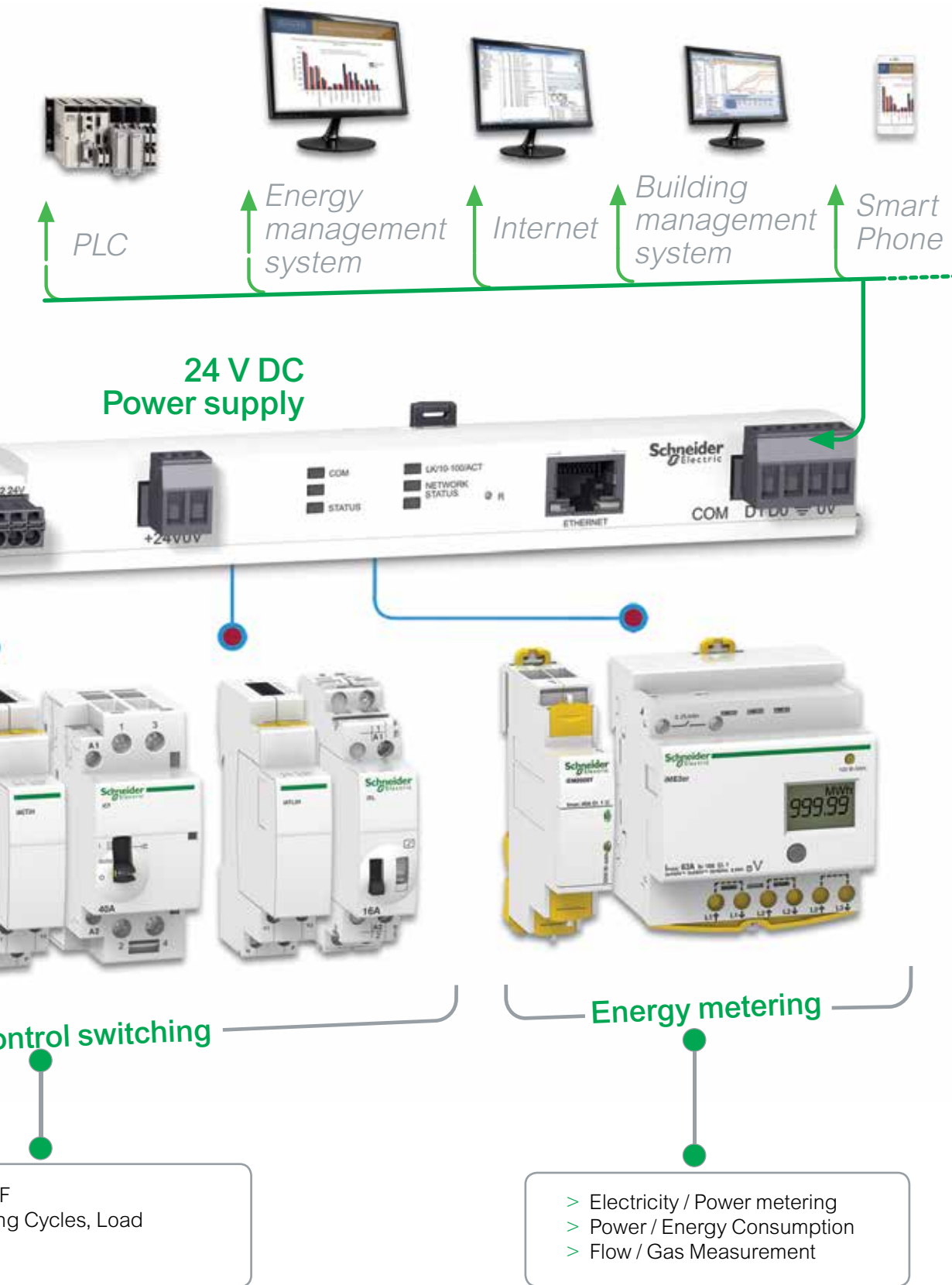
- > Switching Action - ON / OFF
- > Monitoring - No. of Switching cycles, running hours



Meets the challenge of all your applications

Detailed load control, reduced downtime and accurately planned maintenance

# Ready to connect to any facility management solution



**Green Premium Products**  
 100% Recyclable and Recoverable  
 REACh, RoHS, PEP, EOLi compliant

## AC Miniature Circuit Breakers - xC60



Green Premium

- Breaking Capacity as per IEC 60898 and IS/IEC 60898-1, Icn = 10kA
- Breaking Capacity as per IEC 60947-2, Icn = 15kA, upto 40A
- Can be used for DC application upto 60V per pole
- Higher system performance with optimized cost: Cascading\*
- Increased System Continuity: Discrimination\*
- Higher Installation Life: Energy Limitation Class 3, Fast Closure Mechanism
- Ease, Speed and Flexibility of installation - Biconnect, Line-Load Reversible
- Field-fittable auxiliaries for advance protection and monitoring
- Positive Contact Indication for assurance of disconnection

| [In] Rated Current (A) | 1 Pole Reference | Unit MRP [₹] | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width**         | 1 mod            |              | 2 mod            |              | 3 mod            |              | 4 mod            |              |
| MOQ                    | 12 Nos.          |              | 6 Nos.           |              | 4 Nos.           |              | 3 Nos.           |              |

### B curve

|    |            |     |            |      |            |      |            |      |
|----|------------|-----|------------|------|------------|------|------------|------|
| 6  | A9N1P06B ✓ | 442 | A9N2P06B ✓ | 1312 | A9N3P06B ✓ | 2177 | A9N4P06B   | 2933 |
| 10 | A9N1P10B ✓ | 442 | A9N2P10B ✓ | 1312 | A9N3P10B ✓ | 2177 | A9N4P10B ✓ | 3094 |
| 16 | A9N1P16B ✓ | 442 | A9N2P16B ✓ | 1312 | A9N3P16B ✓ | 2177 | A9N4P16B ✓ | 2933 |
| 20 | A9N1P20B ✓ | 442 | A9N2P20B ✓ | 1312 | A9N3P20B ✓ | 2177 | A9N4P20B ✓ | 2933 |
| 25 | A9N1P25B ✓ | 442 | A9N2P25B ✓ | 1312 | A9N3P25B ✓ | 2177 | A9N4P25B ✓ | 2933 |
| 32 | A9N1P32B ✓ | 442 | A9N2P32B ✓ | 1312 | A9N3P32B ✓ | 2177 | A9N4P32B ✓ | 2933 |
| 40 | A9N1P40B ✓ | 960 | A9N2P40B ✓ | 2112 | A9N3P40B ✓ | 3316 | A9N4P40B ✓ | 4223 |
| 50 | A9N1P50B   | 960 | A9N2P50B   | 2112 | A9N3P50B   | 3316 | A9N4P50B   | 4280 |
| 63 | A9N1P63B ✓ | 973 | A9N2P63B ✓ | 2170 | A9N3P63B ✓ | 3344 | A9N4P63B ✓ | 4261 |

### C curve

|    |            |     |            |      |            |      |            |      |
|----|------------|-----|------------|------|------------|------|------------|------|
| 1  | A9N1P01C ✓ | 678 | A9N2P01C ✓ | 1817 | A9N3P01C ✓ | 2867 | A9N4P01C ✓ | 3609 |
| 2  | A9N1P02C ✓ | 678 | A9N2P02C ✓ | 1817 | A9N3P02C ✓ | 2867 | A9N4P02C ✓ | 3609 |
| 3  | A9N1P03C ✓ | 678 | A9N2P03C ✓ | 1817 | A9N3P03C ✓ | 2867 | A9N4P03C ✓ | 3609 |
| 4  | A9N1P04C ✓ | 678 | A9N2P04C ✓ | 1817 | A9N3P04C ✓ | 2867 | A9N4P04C ✓ | 3609 |
| 6  | A9N1P06C ✓ | 409 | A9N2P06C ✓ | 1312 | A9N3P06C ✓ | 2177 | A9N4P06C ✓ | 2933 |
| 10 | A9N1P10C ✓ | 409 | A9N2P10C ✓ | 1312 | A9N3P10C ✓ | 2177 | A9N4P10C ✓ | 2933 |
| 16 | A9N1P16C ✓ | 409 | A9N2P16C ✓ | 1312 | A9N3P16C ✓ | 2177 | A9N4P16C ✓ | 2933 |
| 20 | A9N1P20C ✓ | 409 | A9N2P20C ✓ | 1312 | A9N3P20C ✓ | 2177 | A9N4P20C ✓ | 2933 |
| 25 | A9N1P25C ✓ | 409 | A9N2P25C ✓ | 1312 | A9N3P25C ✓ | 2177 | A9N4P25C ✓ | 2933 |
| 32 | A9N1P32C ✓ | 409 | A9N2P32C ✓ | 1312 | A9N3P32C ✓ | 2177 | A9N4P32C ✓ | 2933 |
| 40 | A9N1P40C ✓ | 960 | A9N2P40C ✓ | 2112 | A9N3P40C ✓ | 3316 | A9N4P40C ✓ | 4138 |
| 50 | A9N1P50C   | 960 | A9N2P50C   | 2112 | A9N3P50C   | 3316 | A9N4P50C   | 4261 |
| 63 | A9N1P63C ✓ | 973 | A9N2P63C ✓ | 2131 | A9N3P63C ✓ | 3425 | A9N4P63C ✓ | 4439 |

### D curve

|    |            |      |            |      |            |      |            |      |
|----|------------|------|------------|------|------------|------|------------|------|
| 1  | A9N1P01D ✓ | 685  | A9N2P01D   | 1836 | A9N3P01D ✓ | 2912 | ----       | ---- |
| 2  | A9N1P02D ✓ | 685  | A9N2P02D ✓ | 1836 | A9N3P02D ✓ | 2912 | A9N4P02D   | 3781 |
| 3  | A9N1P03D ✓ | 685  | A9N2P03D ✓ | 1836 | A9N3P03D ✓ | 2912 | A9N4P03D   | 3808 |
| 4  | A9N1P04D ✓ | 685  | A9N2P04D ✓ | 1836 | A9N3P04D ✓ | 2912 | A9N4P04D   | 3884 |
| 6  | A9N1P06D ✓ | 577  | A9N2P06D ✓ | 1376 | A9N3P06D ✓ | 2293 | A9N4P06D ✓ | 3042 |
| 10 | A9N1P10D ✓ | 577  | A9N2P10D ✓ | 1376 | A9N3P10D ✓ | 2293 | A9N4P10D ✓ | 3042 |
| 16 | A9N1P16D ✓ | 577  | A9N2P16D ✓ | 1376 | A9N3P16D ✓ | 2293 | A9N4P16D ✓ | 3042 |
| 20 | A9N1P20D ✓ | 577  | A9N2P20D ✓ | 1376 | A9N3P20D ✓ | 2293 | A9N4P20D ✓ | 3042 |
| 25 | A9N1P25D ✓ | 577  | A9N2P25D ✓ | 1376 | A9N3P25D ✓ | 2293 | A9N4P25D ✓ | 3042 |
| 32 | A9N1P32D ✓ | 577  | A9N2P32D ✓ | 1376 | A9N3P32D ✓ | 2293 | A9N4P32D ✓ | 3042 |
| 40 | A9N1P40D ✓ | 1036 | A9N2P40D ✓ | 2232 | A9N3P40D ✓ | 3512 | A9N4P40D ✓ | 4405 |
| 50 | A9N1P50D   | 1099 | A9N2P50D   | 2232 | A9N3P50D   | 3512 | A9N4P50D   | 4405 |
| 63 | A9N1P63D   | 1049 | A9N2P63D ✓ | 2259 | A9N3P63D ✓ | 3544 | A9N4P63D ✓ | 4450 |

**Note:** \* Please contact nearest Schneider Electric Sales Office or Customer Care Center for coordination chart

\*\*18mm/module

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



### AC Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60898, Icn = 10kA/15kA
- Positive Contact Indication for assurance of disconnection
- Degree of pollution: 3 (suitable for industrial environment)
- Operating Temperature: -30 to 70°C
- Terminal connections: Flexible cables up to 35 sq.mm; Rigid cables up to 50 sq.mm

| [In] Rated Current (A) | 1 Pole Reference | Unit MRP [₹] | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width**         | 1.5 mod          |              | 3 mod            |              | 4.5 mod          |              | 6 mod            |              |
| MOQ                    | 12 Nos.          |              | 6 Nos.           |              | 4 Nos.           |              | 3 Nos.           |              |
| <b>C120N (10kA)</b>    |                  |              |                  |              |                  |              |                  |              |
| 80                     | A9N18357 ✓       | 3607         | A9N18361 ✓       | 7993         | A9N18365 ✓       | 12556        | A9N18372 ✓       | 16363        |
| 100                    | A9N18358 ✓       | 4046         | A9N18362 ✓       | 8526         | A9N18367 ✓       | 13382        | A9N18374 ✓       | 17049        |
| 125                    | A9N18359 ✓       | 4452         | A9N18363 ✓       | 9371         | A9N18369 ✓       | 14843        | A9N18376 ✓       | 19295        |
| <b>C120H (15kA)</b>    |                  |              |                  |              |                  |              |                  |              |
| 80                     | A9N18446         | 4359         | A9N18457         | 9619         | A9N18468         | 14756        | A9N18479         | 20474        |
| 100                    | A9N18447         | 4997         | A9N18458         | 10058        | A9N18469         | 16076        | A9N18480         | 22700        |
| 125                    | A9N18448         | 5254         | A9N18459         | 11411        | A9N18470         | 17349        | A9N18481         | 23980        |

### DC Miniature Circuit Breakers - C60H



- Specially designed MCB for enhanced protection in DC installation
- Magnetic Arc Chutes to quick break DC current in event of fault
- Breaking capacity 6kA as per IEC 60947-2
- Voltage Rating: 1P - 250 V DC & 2P - 500 V DC
- Impulse Voltage: 6 kV
- Higher Installation Life: Energy Limiting Class: 3

| [In] Rated Current (A) | Module Width 18mm/ module | 1 Pole Reference | Unit MRP [₹] | Module Width 18mm/ module | 2 Pole Reference | Unit MRP [₹] |
|------------------------|---------------------------|------------------|--------------|---------------------------|------------------|--------------|
| MOQ                    |                           | 12 Nos.          |              |                           | 6 Nos.           |              |
| <b>C60H-DC</b>         |                           |                  |              |                           |                  |              |
| 0.5                    | 1                         | A9N61500         | 1699         | 2                         | A9N61520         | 3730         |
| 1                      | 1                         | A9N61501 ✓       | 1239         | 2                         | A9N61521 ✓       | 2557         |
| 2                      | 1                         | A9N61502 ✓       | 1239         | 2                         | A9N61522 ✓       | 2557         |
| 3                      | 1                         | A9N61503 ✓       | 1239         | 2                         | A9N61523 ✓       | 2557         |
| 4                      | 1                         | A9N61504 ✓       | 1239         | 2                         | A9N61524 ✓       | 2557         |
| 5                      | 1                         | A9N61505         | 1239         | 2                         | A9N61525         | 2557         |
| 6                      | 1                         | A9N61506 ✓       | 1018         | 2                         | A9N61526 ✓       | 2081         |
| 10                     | 1                         | A9N61508 ✓       | 1018         | 2                         | A9N61528 ✓       | 2081         |
| 16                     | 1                         | A9N61511 ✓       | 1018         | 2                         | A9N61531 ✓       | 2081         |
| 20                     | 1                         | A9N61512 ✓       | 1018         | 2                         | A9N61532 ✓       | 2081         |
| 25                     | 1                         | A9N61513 ✓       | 1018         | 2                         | A9N61533 ✓       | 2081         |
| 32                     | 1                         | A9N61515 ✓       | 1172         | 2                         | A9N61535 ✓       | 2081         |
| 40                     | 1                         | A9N61517 ✓       | 1395         | 2                         | A9N61537 ✓       | 3069         |
| 50                     | 1                         | A9N61518 ✓       | 1395         | 2                         | A9N61538 ✓       | 3069         |
| 63                     | 1                         | A9N61519 ✓       | 1395         | 2                         | A9N61539 ✓       | 3069         |

### Special application MCBs



#### Solar Application – PV DC

- DC MCB for multi string PV installations
- Operating Voltage: 800V DC
- Current Rating up to 25A
- Complies to IEC / EN 60947-2



#### Rail Application\* (including Rolling Stock)

- Fire & smoke Resistant – Level 2 (NF F 16-101, NF F 16-102)
- Shock & vibration resistant (IEC 61373) – Cat 1, Class B
- Breaking Capacity: up to 25kA
- Complies to IEC / EN 60947-2



#### UL MCB

- Type: UL1077, UL489
- Breaking Capacity of 10kA
- Complies to IEC 60947-2 / UL1077 / UL489 / CSA

#### Note:

Please contact nearest Schneider Electric sales office or Customer Care for Reference and prices of Application Specific MCBs

\*Rail Application RCDs are also available on demand

\*\*18mm/module

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### AC Miniature Circuit Breakers - NG125



- Compliance to IEC / EN 60947-2
- High Breaking Capacity MCBs – up to 50kA
- Current Rating up to 125A
- Trip on fault indication on front face of MCB
- Suitability for isolation in the industrial sector to IEC/EN 60947-2
- Available in B, C, D Curves

| [In] Rated Current (A) | 1 Pole Reference | Unit MRP [₹] | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width**         | 1.5 mod          |              | 3 mod            |              | 4.5 mod          |              | 6 mod            |              |

#### NG125N – 25kA Breaking Capacity

|    |       |      |       |       |       |       |       |       |
|----|-------|------|-------|-------|-------|-------|-------|-------|
| 10 | 18610 | 5556 | 18621 | 12779 | 18632 | 18540 | 18649 | 24620 |
| 16 | 18611 | 5291 | 18622 | 9856  | 18633 | 18459 | 18650 | 22428 |
| 20 | 18612 | 5298 | 18623 | 11874 | 18634 | 18540 | 18651 | 22422 |
| 25 | 18613 | 5291 | 18624 | 11641 | 18635 | 17663 | 18652 | 22428 |
| 32 | 18614 | 5291 | 18625 | 11945 | 18636 | 18546 | 18653 | 24613 |
| 40 | 18615 | 6823 | 18626 | 14423 | 18637 | 24262 | 18654 | 31918 |
| 50 | 18616 | 8513 | 18627 | 14988 | 18638 | 23094 | 18655 | 30831 |
| 63 | 18617 | 6823 | 18628 | 15693 | 18639 | 27264 | 18656 | 33701 |
| 80 | 18618 | 7196 | 18629 | 17631 | 18640 | 28661 | 18658 | 33933 |

#### NG125H – 36kA Breaking Capacity

|    |       |      |       |       |       |       |       |       |
|----|-------|------|-------|-------|-------|-------|-------|-------|
| 10 | 18705 | 7993 | 18714 | 10356 | 18723 | 16204 | 18732 | 28098 |
| 16 | 18706 | 6714 | 18715 | 10563 | 18724 | 16204 | 18733 | 28098 |
| 20 | 18707 | 7985 | 18716 | 20712 | 18725 | 22146 | 18734 | 28098 |
| 25 | 18708 | 6223 | 18717 | 13664 | 18726 | 21083 | 18735 | 28105 |
| 32 | 18709 | 6223 | 18718 | 13664 | 18727 | 23151 | 18736 | 28098 |
| 40 | 18710 | 7621 | 18719 | 15793 | 18728 | 23576 | 18737 | 34148 |
| 50 | 18711 | 7768 | 18720 | 17077 | 18729 | 27574 | 18738 | 35073 |
| 63 | 18712 | 7981 | 18721 | 18335 | 18730 | 24152 | 18739 | 38500 |
| 80 | 18713 | 8780 | 18722 | 23941 | 18731 | 31246 | 18740 | 40604 |

#### NG125H – 50kA Breaking Capacity

|    |       |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| 10 | 18777 | 8113  | 18788 | 17805 | 18799 | 28050 | 18810 | 35591 |
| 16 | 18778 | 7760  | 18789 | 16957 | 18800 | 28050 | 18811 | 35591 |
| 20 | 18779 | 7760  | 18790 | 18282 | 18801 | 28050 | 18812 | 35591 |
| 25 | 18780 | 7760  | 18791 | 18275 | 18802 | 26707 | 18813 | 35591 |
| 32 | 18781 | 7760  | 18792 | 18275 | 18803 | 29317 | 18814 | 37209 |
| 40 | 18782 | 9418  | 18793 | 21749 | 18804 | 35051 | 18815 | 44174 |
| 50 | 18783 | 13226 | 18794 | 22847 | 18805 | 37532 | 18816 | 45666 |
| 63 | 18784 | 9889  | 18795 | 25667 | 18806 | 38280 | 18817 | 51095 |
| 80 | 18785 | 14569 | 18796 | 26860 | 18807 | 41608 | 18818 | 50269 |

\*\*18mm/module

**Note:** Reference provided above are for C Curve MCBs – B and D Curve details available on request

# Residual Current Devices (RCDs) - For Human and Fire Protection



**30  
mA**

Use of **30mA RCDs** is now **mandatory** for all **domestic intallations** in India {CEA Amendment regulation 2015\*}



**Schneider Electric provides voltage independent RCDs** which work on current sensing technology and provide protection from residual current even at extra low voltages (down to zero volts) and in case of break of neutral.

**SI  
Type**

**Schneider Electric offers SI RCD built to operate in electrically polluted or installation in aggressive environments:**

- Flourescent / Variable lighting with Electronic ballast
- Powerful IT / Telecom equipment / Air conditioning
- Severe Atmosphere - High lighting risk / Swimming pools

\* for Measures relating to Safety and Electric supply

Please contact Customer Care Center for Stockable and Non stockable status of references.

**NORMAL STOCK ITEMS**

W.E.F. January 30<sup>th</sup>, 2023

### AC Residual Current Circuit Breakers - xID



Suitable for  
ComReady  
Auxiliary



- Complies to standards IEC/EN 61008-1 and IS 12640
- AC Class protection
- Selective range available for time based discrimination
- Easy Monitoring: Earth fault indication and Test Button on front face
- Operating temperature up to +70°C
- Mandatory to use OF-S auxiliary to add any indication or tripping auxiliary

| [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | 2 Pole Reference | Unit MRP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit MRP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|--------------|--------------------------|------------------|--------------|
| 25                     | 30                             | 2                        | A9N16201         | 4560         | 4                        | A9N16251         | 6401         |
|                        | 100                            | 2                        | A9N16203         | 5061         | 4                        | A9N16253         | 6802         |
|                        | 300                            | 2                        | A9N16202         | 5215         | 4                        | A9N16252         | 7002         |
| 40                     | 30                             | 2                        | A9N16204         | 5367         | 4                        | A9N16254         | 6301         |
|                        | 100                            | 2                        | A9N16205         | 5787         | 4                        | A9N16255         | 6840         |
|                        | 300                            | 2                        | A9N16206         | 6069         | 4                        | A9N16256         | 7104         |
| 63                     | 30                             | 2                        | A9N16208         | 6463         | 4                        | A9N16258         | 7296         |
|                        | 100                            | 2                        | A9N16209         | 6951         | 4                        | A9N16259         | 8081         |
|                        | 300                            | 2                        | A9N16210         | 7091         | 4                        | A9N16260         | 8119         |
| 80                     | 30                             | 2                        | A9N16212         | 10866        | 4                        | A9N16261         | 12870        |
|                        | 100                            | 2                        | A9N16213         | 11047        | 4                        | A9N16262         | 13077        |
|                        | 300                            | 2                        | A9N16214         | 11253        | 4                        | A9N16263         | 13148        |

### AC Residual Current Circuit Breakers (RCCBs) - ID



- Complies to standards IEC 61008-1 and VDE 0664
- AC Class protection
- Degree of pollution: 3 (suitable for industrial environment)
- Electrical ON/OFF indication by using OFSP auxiliary

| Poles Description | [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | Reference  | Unit MRP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|------------|--------------|
| 4P                | 100                    | 30                             | 4                        | **A9R11491 | ----         |
|                   |                        | 100                            | 4                        | **A9R12491 | ----         |
|                   | 125                    | 30                             | 4                        | 16905      | 52673        |
|                   |                        | 100                            | 4                        | 16906      | 51285        |
|                   |                        | 300                            | 4                        | 16907      | 51524        |

Note: \*\*For 100A RCCB Auxiliary kindly contact Customer Care

### AC Residual Current Breaker Overload (RCBO) - DPN N Vigi



Suitable for  
ComReady  
Auxiliary



- Complies to standards IEC/EN 61009
- AC Class Protection; Tripping characteristics - C curve
- Overvoltage category (IEC 60364): IV
- Suitable for indication & tripping auxiliaries

| Poles Description | [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | Reference | Unit MRP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|-----------|--------------|
| 1P+N              | 6                      | 30                             | 2                        | A9N19661  | 7242         |
|                   |                        | 300                            | 2                        | A9N19681  | 7355         |
|                   | 10                     | 30                             | 2                        | A9N19663  | 7242         |
|                   |                        | 300                            | 2                        | A9N19683  | 7355         |
|                   | 16                     | 30                             | 2                        | A9N19665  | 7242         |
|                   |                        | 300                            | 2                        | A9N19685  | 7355         |
|                   | 20                     | 30                             | 2                        | A9N19666  | 7242         |
|                   |                        | 300                            | 2                        | A9N19686  | 7355         |
|                   | 25                     | 30                             | 2                        | A9N19667  | 7242         |
|                   |                        | 300                            | 2                        | A9N19687  | 7355         |
|                   | 32                     | 30                             | 2                        | A9N19668  | 7242         |
|                   |                        | 300                            | 2                        | A9N19688  | 7722         |
|                   | 40                     | 30                             | 2                        | A9N19669  | 9162         |
|                   |                        | 300                            | 2                        | A9N19689  | 9322         |

Note: Application specific RCDs also available with 10mA, 500mA and 1000mA sensitivities | Please contact nearest Schneider Electric Sales Office or Customer Care Center for Reference and Prices

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### SI Type Residual Current Circuit Breakers (RCCBs) - xID SI



- Complies to standard IEC/EN 61008-1
- SI RCDs offer enhanced immunity against Electrical Disturbances; Polluted and Corrosive environments - Guaranteed performance in harsh operating conditions
- Ensures continuity of supply in networks with:
  - Transient overvoltages
  - Loads generating HF leakage current i.e. harmonics
  - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with:
  - Pulsating DC components
  - HF applications which "Blinds" (non-tripping) the conventional RCDs

| [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | 2 Pole Reference | Unit MRP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit MRP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|--------------|--------------------------|------------------|--------------|
| 25                     | 30                             | 2                        | A9N16234         | 10609        | 4                        | A9N16321         | 11823        |
| 40                     | 30                             | 2                        | A9N16237         | 11143        | 4                        | A9N16324         | 12196        |
| 63                     | 30                             | 2                        | A9N16240         | 11463        | 4                        | A9N16327         | 12523        |
|                        | 300                            | 2                        | A9N16246         | 11549        | 4                        | A9N16334         | 13028        |

### Vigi Block for xC60 (Add-on RCD Module, 2 & 4 Pole)



Suitable for  
ComReady Auxiliary

- Flexibility to use MCB of any tripping curve to suit applications, ensuring best 3 in 1 protection
- No auxiliary supply required
- AC Class protection
- Degree of pollution: 3 (suitable for industrial environment)
- Immune to nuisance tripping due to transient over voltages

| [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | 2 Pole Reference | Unit MRP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit MRP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|--------------|--------------------------|------------------|--------------|
| 25                     | 30                             | 1.5                      | A9N26581         | 7503         | 3                        | A9N26595         | 9009         |
|                        | 100                            | 1.5                      | A9N26582         | 9543         | 3                        | A9N26596         | 9716         |
|                        | 300                            | 1.5                      | A9N26583         | 10090        | 3                        | A9N26597         | 10456        |
| 63                     | 30                             | 2                        | A9N26611         | 10490        | 3.5                      | A9N26643         | 10530        |
|                        | 100                            | 2                        | A9N26612         | 11109        | 3.5                      | A9N26644         | 10936        |
|                        | 300                            | 2                        | A9N26613         | 11636        | 3.5                      | A9N26645         | 11442        |

**Note:** Vigi Block for High Rating up to 125A (C120) and High Breaking Capacity (NG125) available on demand

### SI Type Residual Current Breaker Overload (RCBO) - DPN N Vigi SI



Suitable for  
ComReady Auxiliary



- Complies to standard IEC/EN 61009
- Ensures continuity of supply in networks with:
  - Transient overvoltages
  - Loads generating HF leakage current i.e. harmonics
  - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with :
  - Pulsating DC components
  - HF applications which "Blinds" (non-tripping) the conventional RCDs

| Poles Description | [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | Reference | Unit MRP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|-----------|--------------|
| 1P+N              | 6                      | 30                             | 2                        | A9N19631  | 14417        |
|                   |                        | 300                            | 2                        | A9N19641  | 13997        |
|                   | 10                     | 30                             | 2                        | A9N19632  | 14417        |
|                   |                        | 300                            | 2                        | A9N19642  | 13989        |
|                   | 16                     | 30                             | 2                        | A9N19634  | 14417        |
|                   |                        | 300                            | 2                        | A9N19644  | 14417        |
|                   | 20                     | 30                             | 2                        | A9N19635  | 13997        |
|                   |                        | 300                            | 2                        | A9N19645  | 13997        |
|                   | 25                     | 30                             | 2                        | A9N19636  | 14417        |
|                   |                        | 300                            | 2                        | A9N19646  | 13997        |
|                   | 32                     | 30                             | 2                        | A9N19637  | 14417        |
|                   |                        | 300                            | 2                        | A9N19647  | 17158        |
|                   | 40                     | 30                             | 2                        | A9N19638  | 17070        |
|                   |                        | 300                            | 2                        | A9N19648  | 18996        |

\*For Prices, please contact nearest Schneider Electric Sales Office or Customer Care Center are Center for Reference and Prices

\*For prices, Please contact nearest Schneider Electric Sales Office or Customer Care Center and prices.

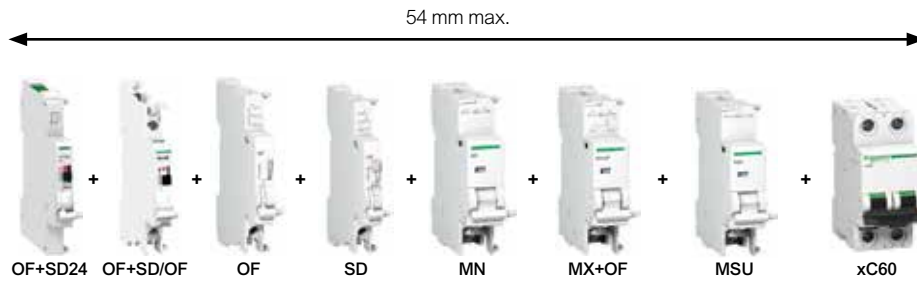
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Common Auxiliaries for xC60 / C120 / RCDs Range

- Field-fittable auxiliaries (clip fitted) mounted on left side with maximum width of 54mm
- Order: Tripping Auxiliaries (MN first) followed by Indication Auxiliaries (SD first)



| Type  | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|---|-----------------------------|-----------|-----------------|
| <b>Indication Auxiliaries</b>   |                             |           |                 |
| OF Auxiliary Switch: for ON/OFF indications                                     | 0.5                         | A9N26924  | 1413            |
| SD Alarm Switch: for Trip on fault indications                                  | 0.5                         | A9N26927  | 1660            |
| OF + SD/OF Auxiliary switch   | 0.5                         | A9N26929  | 4407            |
| OF+SD24 auxiliary contact (ComReady)  | 0.5                         | A9N26899  | 3694            |
| <b>Protection Auxiliaries – Trip Indication on front face</b>                   |                             |           |                 |
| MN Under-voltage Release 220-240V AC  | 1                           | A9N26960  | 5935            |
| MSU Over-voltage Release 275V AC  | 1                           | A9N26500  | 7029            |
| <b>Tripping Auxiliaries – Trip Indication on front face</b>                     |                             |           |                 |
| MX + OF Shunt Release 110-415V AC: for Remote tripping of Circuit Breaker       | 1                           | A9N26946  | 3861            |
| MX + OF Shunt Release 12-24V AC/DC: for Remote tripping of Circuit Breaker      | 1                           | A9N26948  | 3861            |
| <b>Auxiliary Switch for RCCBs – Mandatory for use of Auxiliaries with RCCBs</b> |                             |           |                 |
| Auxiliary switch for RCCB up to 80A (OF-S)                                      | 0.5                         | A9N26923  | 3664            |
| Auxiliary switch for RCCBs 125A (OFSP)  | 0.5                         | 16940     | 2785            |

### Accessories



| Type                                      | Description                     | Reference | Unit MRP<br>[₹] |
|---|---------------------------------|-----------|-----------------|
| Rotary Handle*                            | Breaker Switching Sub-Assembly  | 27046     | 6394            |
|   | Extended, Disconnectable handle | 27047     | 3229            |
| Padlock** (bag of 2)                      |                                 | 26970     | 1256            |
| Multicable terminal for 3 copper cables** |                                 | 19096     | 10393           |
| Aluminum cable terminal**                 |                                 | 27060     | 752             |
| Spacer                                    |                                 | A9N27062  | 317             |

\* for xC60, C120, DPN N Vigi, C60H-DC, xSW - Multi poles only

\*\*for xC60, xID, DPN N Vigi, C60H-DC, xSW, C60PV-DC

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

**NORMAL STOCK ITEMS**

W.E.F. January 30<sup>th</sup>, 2023

# Protection Against Lightning Strikes And Switching Surges



For all low voltage switchboards and electrical enclosures:

## Comprehensive range

- To ensure the protection of equipment connected to:
- Low voltage networks,
- Telecommunications networks,
- Computer networks.
- Easy to implement and use.
- Compatibility with all earthing systems (TT, TNS, TNC, IT).
- Technical and aesthetic consistency

## Continuity of service and certified safety

Schneider Electric certified coordination between the surge arrester and its disconnection circuit breaker.

Compliance with standards: IEC/EN 61643-11.



More and more electrical equipment today is sensitive to overvoltages caused by lightning.



# 90%

of power outlets supply equipment incorporating electronic devices.



iQuick PRD “built-in” technology surge arresters, a Schneider Electric innovation, incorporate their own disconnection circuit breaker: easy to choose and simple to install for greater effectiveness.



Up to **30%** of installation time saved.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Surge Arresters - Type 1+ 2



- Complies to IEC 61643-1 and EN 61643-11
- Withdraw able type: Easy Replacement
- Inbuilt SPD health Indicator: Also available with remote signaling
- For protection against Direct lightning surge, Indirect lightning surge, Switching surge
- Iimp up to 25kA & Imax upto 40kA
- **Always use a Back-up MCB with your SPD**
- Maximum Operating Voltage [Uc]: 350V

| Type     | Pole Description | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|----------|------------------|-----------------------------|-----------|-----------------|
| PRD1 25r | 1P               | 2                           | 16329     | 23208           |
|          | 1P + N           | 4                           | 16330     | 41658           |
|          | 3P               | 6                           | 16331     | 62471           |
|          | 3P + N           | 8                           | 16332     | 77618           |

### Surge Arresters iPRD- Type 2 (Withdrawable type) (TT, TN-S, TN-C Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against Indirect lightning surge and Switching surge
- Inbuilt health Indicator
- Response time < 25ns
- Imax (8/20 s): 65/40/15/8kA
- Maximum Operating Voltage [Uc]: 340V
- Level of protection,Up: 1.0 - 2.0 kV
- Remote indication contact with 8r/20r/40r/65r
- **Always use a Back-up MCB with your SPD**

| Type    | Rated Voltage (V) | Pole Description | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|---------|-------------------|------------------|-----------------------------|-----------|-----------------|
| iPRD8   | 230               | 1P               | 1                           | A9L08100  | 5574            |
|         | 230               | 1P+N             | 2                           | A9L08500  | 10631           |
|         | 230/400           | 3P               | 3                           | A9L08300  | 14349           |
|         | 230/400           | 3P+N             | 4                           | A9L08600  | 21659           |
| iPRD8r  | 230               | 1P+N             | 2                           | A9L08501  | 12745           |
|         | 230/400           | 3P+N             | 4                           | A9L08601  | 25991           |
|         | 230               | 1P               | 1                           | A9L20100  | 6372            |
| iPRD20  | 230               | 1P+N             | 2                           | A9L20500  | 13365           |
|         | 230/400           | 3P               | 3                           | A9L20300  | 17108           |
|         | 230/400           | 3P+N             | 4                           | A9L20600  | 24187           |
| iPRD20r | 230               | 1P+N             | 2                           | A9L20501  | 15582           |
|         | 230/400           | 3P+N             | 4                           | A9L20601  | 29575           |
|         | 230               | 1P               | 1                           | A9L40100  | 7534            |
| iPRD40  | 230               | 1P+N             | 2                           | A9L40500  | 15392           |
|         | 230/400           | 3P               | 3                           | A9L40300  | 22094           |
|         | 230/400           | 3P+N             | 4                           | A9L40600  | 30809           |
| iPRD40r | 230               | 1P               | 1                           | A9L40101  | 8857            |
|         | 230               | 1P+N             | 2                           | A9L40501  | 19843           |
|         | 230/400           | 3P               | 3                           | A9L40301  | 29733           |
| iPRD65r | 230/400           | 3P+N             | 4                           | A9L40601  | 36977           |
|         | 230               | 1P               | 1                           | A9L65101  | 11841           |
|         | 230               | 1P+N             | 2                           | A9L65501  | 25290           |
| iPRD65r | 230/400           | 3P               | 3                           | A9L65301  | 33002           |
|         | 230/400           | 3P+N             | 4                           | A9L65601  | 42822           |

### Spare Cartridges for iPRD



- Spare Cartridges for iPRD8r, iPRD20r, iPRD40r and iPRD65r
- End of life indication available on front face
- These Cartridges are not compatible with Old SPD range (A9L16...)\*\*

| Type         | Spare Cartridges<br>for   | Reference | Unit MRP<br>[₹] |
|--------------|---------------------------|-----------|-----------------|
| iPRD 65-350  | iPRD65r                   | A9L65102  | 7561            |
| iPRD 40-350  | iPRD40, iPRD40r           | A9L40102  | 5817            |
| iPRD 20-350  | iPRD20, iPRD20r           | A9L20102  | 4662            |
| iPRD 8-350   | iPRD8, iPRD8r             | A9L08102  | 4081            |
| iPRD Neutral | All products (1P+N, 3P+N) | A9L00002  | 6121            |

\*\*Spare Cartridges for Old SPD Range (A9L16...) are available on demand - please contact nearest Schneider Electric Sales Office or Customer Care for Reference and prices

**Note:** Note: For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



### iQuick PRD - Type 2 with inbuilt MCB



- Compact SPD with in-built back up MCB - saving on space, MCB selection, wiring time
- Compliance to EN 61643-11
- Withdrawable Type - Cost Efficient - Allows damaged Cartridges to be replaced without having to replace entire SPD
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available
- Incoming Protection: iQuick PRD 40r (High Risk level) and iQuick PRD 20r (Moderate Risk level)
- Secondary Protection: iQuick PRD 8r is cascade mounted with incoming surge arresters

| Type           | Pole Description | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|----------------|------------------|-----------------------------|-----------|-----------------|
| iQuick PRD 8r  | 1P+N             | 4                           | A9L16298  | 16330           |
|                | 3P               | 6.5                         | A9L16299  | 23322           |
|                | 3P+N             | 7.5                         | A9L16300  | 29020           |
| iQuick PRD 20r | 1P+N             | 4                           | A9L16295  | 18670           |
|                | 3P               | 6.5                         | A9L16296  | 27997           |
|                | 3P+N             | 7.5                         | A9L16297  | 34825           |
| Quick PRD 40r  | 1P+N             | 4                           | A9L16292  | 22240           |
|                | 3P               | 6.5                         | A9L16293  | 33319           |
|                | 3P+N             | 7.5                         | A9L16294  | 41408           |

**Note:** Spare / Replacement Cartridges available - For Reference and prices contact nearest sales office or customer care

### Photovoltaic surge arresters



- Protection for photovoltaic panels and the DC input to the inverter from overvoltages due to a lightning strike
- Type 2 surge arresters
- Should be installed in switchboard inside the building. If switchboard is located outside, it must be weatherproof
- Withdrawable surge arrester allows damaged Cartridges to be replaced quickly
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available

| Type     | U (cpv) Maximum Operating Voltage (V) | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|----------|---------------------------------------|-----------------------------|-----------|-----------------|
| iPRD 40r | 800                                   | 3                           | A9L40271  | 12416           |
|          | 1000                                  | 3                           | A9L40281  | 14474           |

**Note:** Spare / Replacement Cartridges available - For Reference and prices contact nearest sales office or customer care

### Surge Arresters for Communication Networks



- Analogue telephone line protection: iPRC surge arrester wired in series to the private installation input, protects the telephones, the modems (including ADSL) etc
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential
- iPRI protects measuring instrument and PLC sensor inputs and the DC power supply inputs up to 53 V and AC power supply inputs up to 37 V

| Type | [Ue] Operational Voltage (V) | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|------|------------------------------|-----------------------------|-----------|-----------------|
| PRI  | 48 V DC                      | 1                           | A9L16339  | 22589           |
| PRC  | 130 V AC                     | 1                           | A9L16337  | 13543           |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Isolator - xSW



- Complies to IEC/EN 60947-3
- Switching duty: AC-22
- Impulse voltage: 6kV
- DC application: 48V (110V with 2 poles in series)
- Short circuit withstand 20 In for 1 second
- Upto 80A Bi connect terminals & 100A to 125A with mono connect terminals

| Poles Description | [In] Rated Current (A) | Module Width<br>18mm/module | MOQ | Reference | Unit MRP<br>[₹] |
|-------------------|------------------------|-----------------------------|-----|-----------|-----------------|
| 2                 | 40                     | 2                           | 6   | A9S2P040  | 863             |
|                   | 63                     | 2                           | 6   | A9S2P063  | 1140            |
|                   | 80                     | 2                           | 6   | A9S2P080  | 1339            |
|                   | 100                    | 2                           | 6   | A9S2P100  | 1938            |
|                   | 125                    | 2                           | 6   | A9S2P125  | 2173            |
| 3                 | 40                     | 3                           | 4   | A9S3P040  | 1508            |
|                   | 63                     | 3                           | 4   | A9S3P063  | 1766            |
| 4                 | 40                     | 4                           | 3   | A9S4P040  | 1909            |
|                   | 63                     | 4                           | 3   | A9S4P063  | 2078            |
|                   | 80                     | 4                           | 3   | A9S4P080  | 2702            |
|                   | 100                    | 4                           | 3   | A9S4P100  | 3476            |
|                   | 125                    | 4                           | 3   | A9S4P125  | 3842            |

### Selector Switch - iSSW



- Complies to IEC 60947-5-1 and IEC 60669-1
- Rating 20A, 250V AC
- Electrical life (AC22): 30,000 cycles
- Connection: tunnel terminals cables up to 10 sq. mm

| No. of positions | Poles Description | Contacts  | Module Width<br>18mm/module | MOQ | Reference | Unit MRP<br>[₹] |
|------------------|-------------------|-----------|-----------------------------|-----|-----------|-----------------|
| 2                | 1                 | 1 C/O     | 1                           | 12  | A9E18070  | 1846            |
|                  | 2                 | 2 C/O     | 2                           | 6   | A9E18071  | 2538            |
|                  |                   | 1NO + 1NC | 1                           | 12  | A9E18072  | 1479            |
| 3                | 1                 | 1 C/O     | 1                           | 12  | A9E18073  | 1779            |
|                  | 2                 | 2 C/O     | 2                           | 6   | A9E18074  | 3062            |

### iRO Buzzers



- Audible indication in housing and the tertiary sector
- Sound level of 70dBA at a distance of 60cm

| Voltage   | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|-----------|-----------------------------|-----------|-----------------|
| 230V AC   | 1                           | A9A15322  | 2292            |
| 8..12V AC | 1                           | A9A15323  | 1224            |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### iCT Contactors



- Complies with standards IEC 1095, E N 61095
- 4 operating modes switch on front face :
  - Automatic mode
  - Temporary "ON" mode
  - Permanent "ON" mode
  - Shutdown
- Mechanical contact position Indicator
- Safe installation maintenance: lock the contactor in ON position
- Silent operation (20dB) for entire range

| Type | Rating (A) | No. of Contacts | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|------|------------|-----------------|-----------------------------|-----------|-----------------|
| 1P   | 25         | 1NO             | 1                           | A9C20731  | 2720            |
|      | 16         | 2NO             | 1                           | A9C22712  | 2800            |
| 2P   | 25         | 2NO             | 1                           | A9C20732  | 3348            |
|      | 40         | 2NO             | 2                           | A9C20842  | 6822            |
|      | 63         | 2NO             | 2                           | A9C20862  | 7317            |
| 3P   | 25         | 3NO             | 2                           | A9C20833  | 4313            |
|      | 40         | 3NO             | 2                           | A9C20843  | 9576            |
|      | 63         | 3NO             | 3                           | A9C20863  | 10407           |
| 4P   | 25         | 4NO             | 2                           | A9C20834  | 4517            |
|      | 40         | 4NO             | 2                           | A9C20844  | 11153           |
|      | 63         | 4NO             | 3                           | A9C20864  | 11767           |
|      | 63         | 2NO + 2NC       | 3                           | A9C20868  | 13108           |

**Note:** 100A Contactor in 2P / 4P - available on request

### iTL Impulse Relays



- Complies with standards IEC/EN 60669-2-2
- Safe maintenance: disconnection of remote control by selector switch
- Manual Controls on front face: 0-I toggle
- Mechanical contact position Indicator
- Maximum 5 operations/min. and 100 switching operations/day
- Degree of pollution: 3 (suitable for industrial environment)

| Type | Rating (A) | Control Voltage | No. of Contacts | Module Width | Reference                | Unit MRP<br>[₹] |
|------|------------|-----------------|-----------------|--------------|--------------------------|-----------------|
| 1P   | 16         | 230-240 VAC     | 1NO             | 1            | A9C30811                 | 1764            |
|      | 32         | 230-240 VAC     | 1NO             | 1            | A9C30831                 | 2220            |
| 2P   | 16         | 230-240 VAC     | 2NO             | 1            | A9C30812                 | 2892            |
|      | 32         | 230-240 VAC     | 2NO             | 1            | A9C30831 + A9C32836      | 6771            |
| 3P   | 16         | 230-240 VAC     | 1NO+1NO/NC+1NO  | 2            | A9C30811 + A9C32816      | 5415            |
|      | 32         | 230-240 VAC     | 1NO+1NO/NC+1NO  | 2            | A9C30831 + 2* x A9C32836 | 11322           |
| 4P   | 16         | 230-240 VAC     | 4NO             | 2            | A9C30814                 | 5871            |
|      | 32         | 230-240 VAC     | 4NO             | 2            | A9C30831 + 3* x A9C32836 | 15873           |

### iIL Indicator Lights



- Complies with standard IEC 60947-5-1
- Indicator light with LED technology
- Service life 100,000 hours with constant luminous efficiency

| Type                           | Colour      | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|--------------------------------|-------------|-----------------------------|-----------|-----------------|
| Single Indicator light         | Red         | 1                           | A9E18320  | 1824            |
|                                | Green       | 1                           | A9E18321  | 1824            |
|                                | Blue        | 1                           | A9E18323  | 1824            |
|                                | Orange      | 1                           | A9E18324  | 1824            |
| 3 phase voltage presence light | Red/Red/Red | 1                           | A9E18327  | 5269            |
| Single Push Button (1 NO+ 1NC) | Grey        | 1                           | A9E18033  | 2456            |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Smartlink



- Compliance to IEC/EN 61131-2
- Protection Monitoring – Device Status and alarm notifications
- Load Control / Switching through Contactors and Impulse Relays
- Energy Monitoring through pulse meters
- Alarm over email and analog sensors (temperature / humidity) with Smartlink Ethernet
- Plug & Play – Pre fabricated cables and in built web pages
- Rated Voltage: 24V DC

| Description            | Reference | Unit MRP [₹] |
|------------------------|-----------|--------------|
| Wiser Energy Module IP | EER31800  | 29980        |

## Communication Auxiliaries



Auxiliary for Protection Devices (OF+SD24)

Auxiliary for Contactors (iACT24)

Auxiliary for Impulse Relays (iATL24)

| Description | Module Width | Reference | Unit MRP [₹] |
|-------------|--------------|-----------|--------------|
| OF+SD24     | 0.5          | A9N26899  | 3694         |
| iACT24      | 1            | A9C15924  | 17842        |
| iATL24      | 1            | A9C15424  | 18787        |

## Acti 9

| Description                                | Reference | Pack | Unit MRP [₹] |
|--|-----------|------|--------------|
| <b>Distribloc 63A</b>                      |           |      |              |
| Distribution from the top (4 Module)       | 04040     | 1    | 15571        |
| Distribution through the bottom (4 Module) | 04041     | 1    | 15571        |

## Reflex iC60 - Integrated Control & Overcurrent Protection Device



- All in One Solution: MCB + Contactor + Impulse Relay + Auxiliary
- 10kA Breaking capacity as per IEC/EN 60947-2,
- Ti24 interface: Connection to PLC, Smartlink
- 3 operating modes to cater to a variety of applications
- Safe lock down with Integrated Padlocking
- Simplified maintenance: Front face Indicator allows better reliability

| [In] Rated Current (A) | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width **        | 4.5 mod          |              | 5.5 mod          |              | 6.5 mod          |              |
| <b>B Curve</b>         |                  |              |                  |              |                  |              |
| 10                     | A9C61210         | 49082        | A9C61310         | 51257        | A9C61410         | 56047        |
| 16                     | A9C61216         | 49076        | A9C61316         | 51257        | A9C61416         | 54948        |
| 25                     | A9C61225         | 49076        | A9C61325         | 51257        | A9C61425         | 54948        |
| 40                     | A9C61240         | 50701        | A9C61340         | 54818        | A9C61440         | 58347        |
| 63                     | A9C61263         | 53926        | A9C61363         | 56954        | A9C61463         | 61661        |
| <b>C Curve</b>         |                  |              |                  |              |                  |              |
| 10                     | A9C62210         | 49632        | A9C62310         | 52825        | A9C62410         | 56074        |
| 16                     | A9C62216         | 49632        | A9C62316         | 53887        | A9C62416         | 56074        |
| 25                     | A9C62225         | 49626        | A9C62325         | 52825        | A9C62425         | 56074        |
| 40                     | A9C62240         | 52268        | A9C62340         | 54844        | A9C62440         | 58385        |
| 63                     | A9C62263         | 55077        | A9C62363         | 56954        | A9C62463         | 62899        |
| <b>D Curve</b>         |                  |              |                  |              |                  |              |
| 10                     | A9C63210         | 50752        | A9C63310         | 53898        | A9C63410         | 58327        |
| 16                     | A9C63216         | 50752        | A9C63316         | 53898        | A9C63416         | 58327        |
| 25                     | A9C63225         | 50752        | A9C63325         | 53898        | A9C63425         | 58327        |

Note: \*\*18mm/module

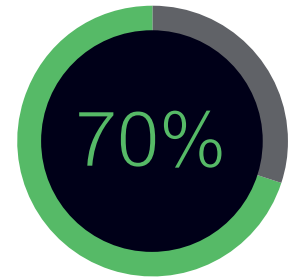
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## EcoStruxure™ Innovation At Every Level

From sensors to services, our Innovation At Every Level approach improves energy and operational efficiency by tapping the true business value of IoT advancements. We've made mobility, sensing, cloud, analytics, and cyber security technologies meaningful to customers, helping them compete in our IoT economy.



70%  
of decision-makers see the business value of IoT\*

\*Schneider Electric IoT 2020 Business Report

### Connected Products:

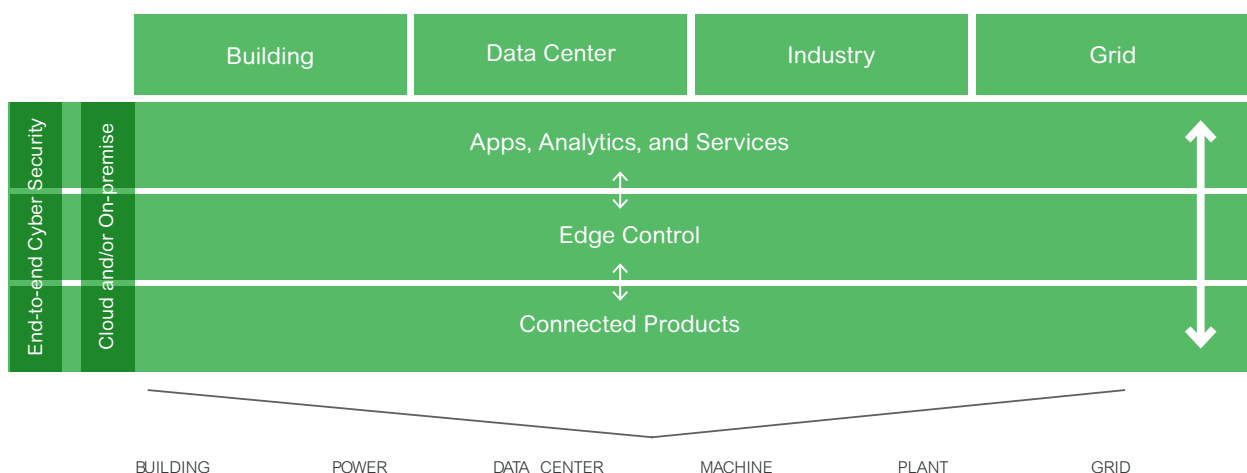
The Internet of Things starts with the best things. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

### Edge Control:

Mission-critical scenarios can be unpredictable, so control of devices at the edge of the IoT network is a must. This essential capability provides real-time solutions that enable local control at the edge, protecting safety and uptime.

### Applications, Analytics, and Services:

Interoperability is imperative to supporting the diverse hardware and systems in building, data center, industry, and grid end markets. EcoStruxure™ enables a breadth of agnostic applications, analytics, and services for seamless enterprise integration.



Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Connectivity built in

Acti9 Isobar harnesses the connectivity of the Acti9 range enabling distribution boards to become smart and connected.



1. Enable asset management on all outgoing ways with **PowerTag**



2. **Smartlink SiD** for wireless data concentration



3. Enable further asset and energy management through PowerTag for Compact NSX



4. Monitor and control your assets with SiB Smartlink



5. See the power and optimise the use of your assets with Facility Expert our simple on-line services platform



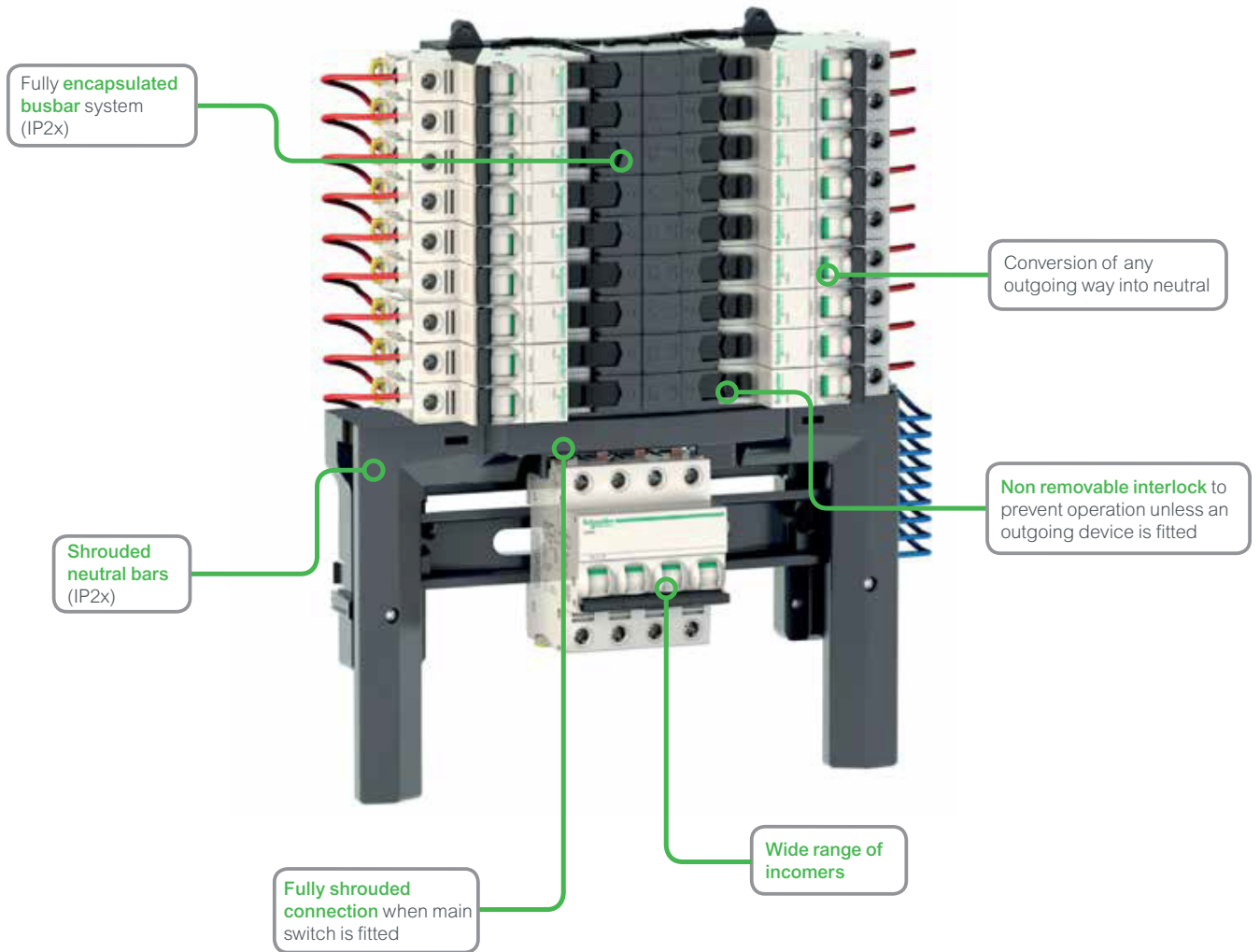
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Acti 9

## Isobar Pan Assembly



- Fully type tested conditional short circuit rating of 25kA to BS EN 61439-3
- High performance MCB 10kA BS EN 60898 15kA BS EN 60947-2 in B, C or D curve 1, 2, 3, 4 pole
- 250A busbar rating
- Isobar disconnection to BS EN 60947-3 ensuring unused outgoing ways are isolated
- Option of switching outgoing neutral on all boards using distributed neutral kit
- Range of incomers: switch disconnectors, residual current devices, terminal blocks, mccb
- Single pole RCBO for new or retrofit maintaining device density
- Full range of device accessories and auxiliaries
- Shrouded Neutral
- Convention of any outgoing way into Neutral

| Description  | Double Door Metal (IP43) Reference | Unit LP [₹] |
|--|------------------------------------|-------------|
| Acti9 Isobar B - pan assembly - 16 ways TP + earth + neutral       | SEA9BN16PEV                        | *           |
| Acti9 Isobar B - pan assembly - 18 ways TP + earth + neutral       | SEA9BN18PEV                        | *           |
| Acti9 Isobar B - pan assembly - 24 ways TP + earth + neutral       | SEA9BN24PEV                        | *           |
| Acti 9 - 1P blank terminal block (no electrical connection)        | SEA9BP                             | *           |
| Isobar B - neutral bar - 1N - for distribution board - 16 ways     | SEA9NB16                           | *           |
| Isobar B - neutral bar - 1N - for distribution board - 18 ways     | SEA9NB18                           | *           |
| Isobar B - neutral bar - 1N - for distribution board - 24 ways     | SEA9NB24                           | *           |
| Isobar A - neutral bar - 1N - for distribution board - 4 ways SP+N | SEA9NKIT                           | *           |
| Acti 9 - terminal block - 250A                                     | SEA9NPB250TB                       | *           |
| Acti 9 Isobar B - MCCB/Interpact connection kit                    | SEA9BINCKIT                        | *           |

\* - Price on Request

Please contact Schneider Electric Customer Care Center for Prices

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Acti 9

## Distribution Boards

### Spectacular Design

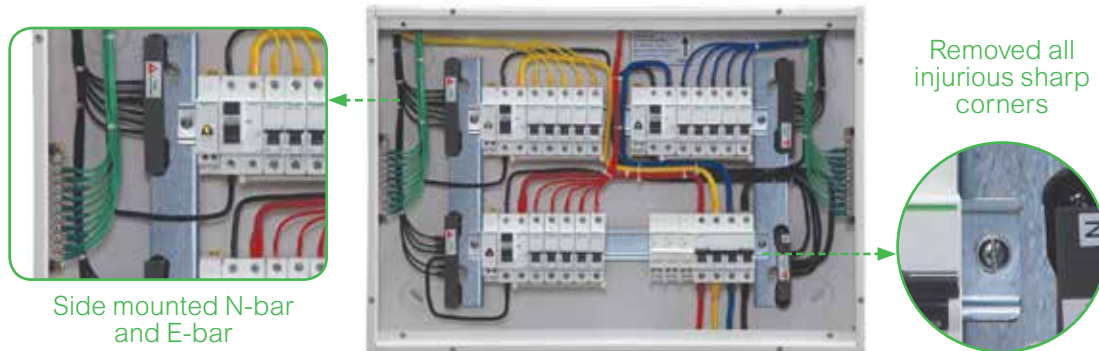
*Blends seamlessly with interiors*



Unique Rounded Corners | Color - RAL 9003 white | Designer Rotary Knob

### Maximized Wiring Space

*Convenient and Safe wiring*



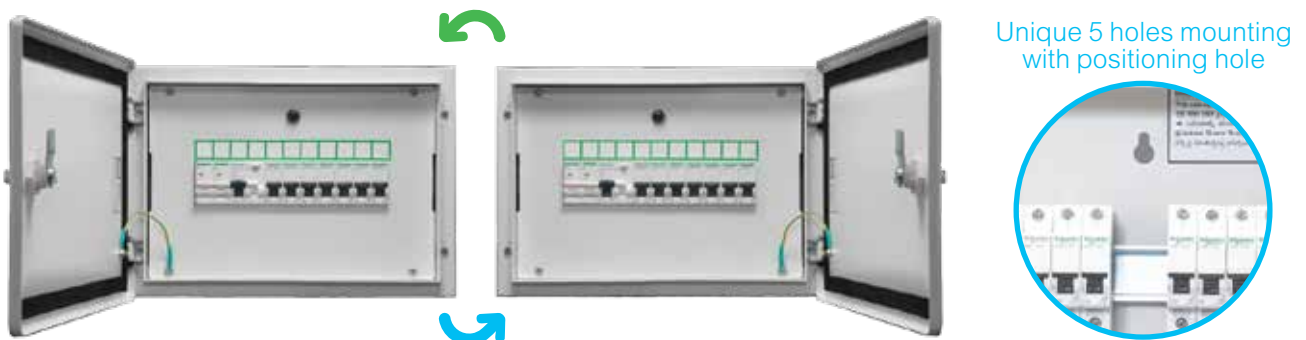
Side mounted N-bar and E-bar

Removed all injurious sharp corners

15% more wiring area | Reduced U-box Collar | Removable Frame, Centre plate & Gland plate

### Adaptable

*Total Flexibility for ease of installation and usage*



Unique 5 holes mounting with positioning hole

Surface and Flush installation | Field fittable key lock provision | Reversible Door



Inspiring the **S.M.A.R.T.** choice!!!

## Robust Architecture

*Perfect blend of Strength & Weight*



High Strength-to-Weight ratio | RoHS and REACH Compliance – ideal solution for GREEN Buildings

**NEW**

Base Material used - Galvanized Iron

## 4X Rust Resistance



1. Powder Coating
- 2. Galvanized Iron**
3. Base Iron

**Galvanized Iron** | Gives 4X rust resistance  
**No Rusting** | Even if the powder coating is scratched  
**No Propagation Of Rust** | Even If base material is chipped off  
**No Hassle** | of repainting due to rusting

Inspiring the **S.M.A.R.T.** choice!!!

Technically Proven

Safety Guaranteed



Designed and Manufactured as per **IS 8623 - 1 & 3** | IP and IK test by ERDA & CPRI | Glow wire tested

Type Tested as per IEC 61439 - 1 & 3

NEW



IEC 61439 - 3\* Fully Compliant

\*Tested at **NABL** and **ASTA** accredited testing facility



Salt Spray



IP43



IK09



Reliable Door



Earthing



Temp@  
Max Curr

Mechanical Tests

Electrical Tests

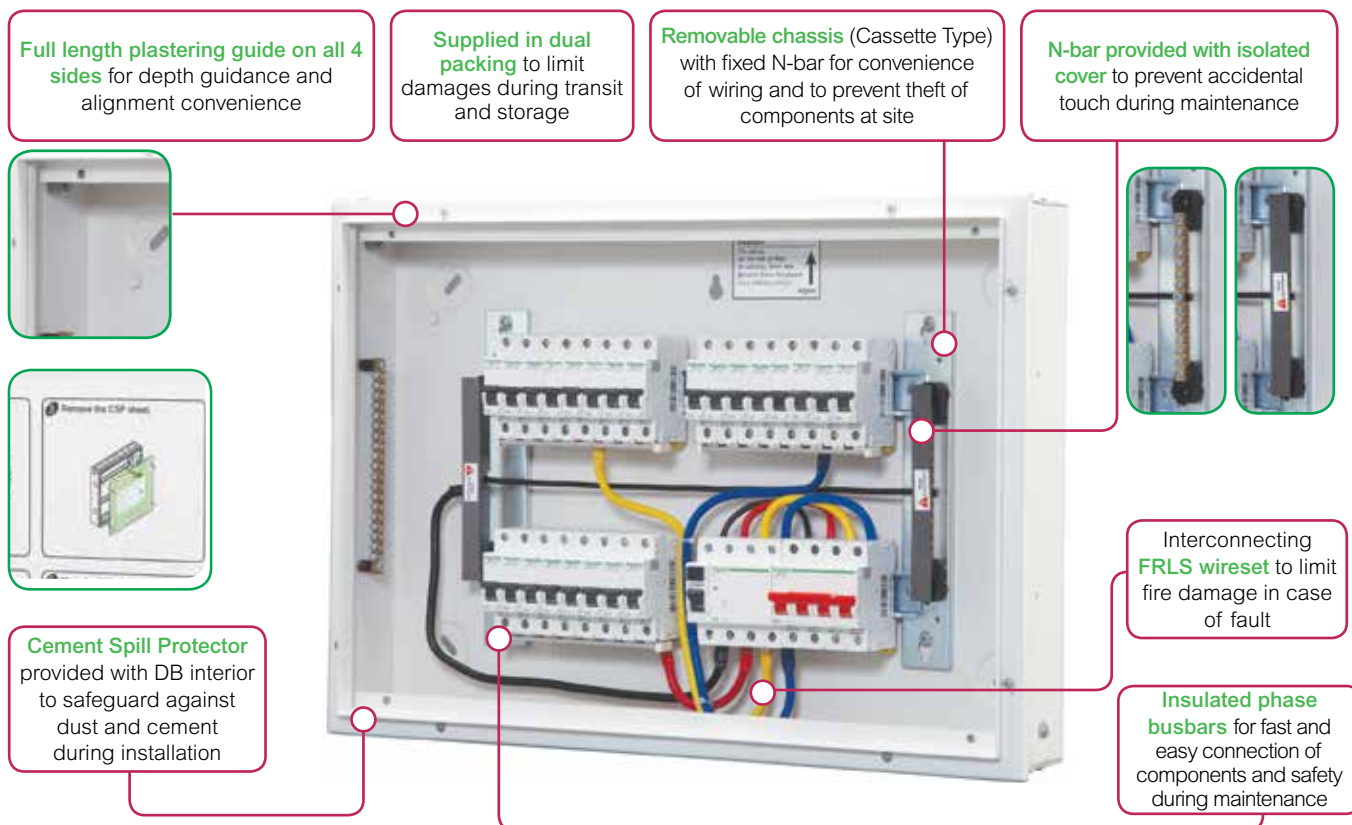
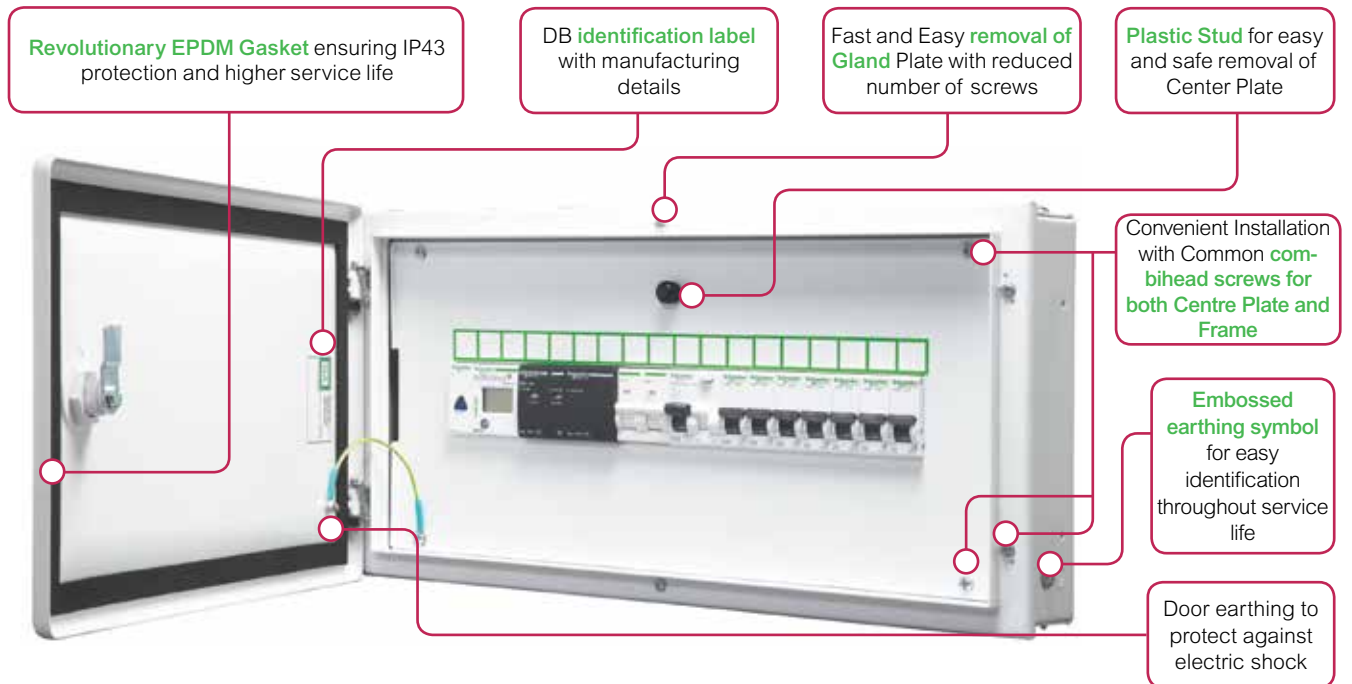
Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ **NORMAL STOCK ITEMS**

W.E.F. January 30<sup>th</sup>, 2023

# Acti 9

## Distribution Boards



Please contact Customer Care Center for Stockable and Non stockable status of references.

**NORMAL STOCK ITEMS**

W.E.F. January 30<sup>th</sup>, 2023

### Metal Enclosures



- Metal Enclosure to mount individual Modular Device feeding directly to the load or final distribution board

| Description | Total Module Cutout | Single Door (IP30) Reference                 | Unit MRP [₹] |
|-------------|---------------------|--|--------------|
| 2 way       | 1 / 2               | A9HMES02 <input checked="" type="checkbox"/> | 1039         |
| 4 way       | 3 / 4               | A9HMES04 <input checked="" type="checkbox"/> | 1039         |

### SPN DBs



- SPN DB for distribution of Single Phase Neutral supply to respective load MCBs
- Incomer - DP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs

| Description | Total Module Cutout (Incomer + Outgoing) | Single Door (IP30) Reference                 | Unit MRP [₹] | Double Door Metal (IP43) Reference           | Unit MRP [₹] |
|-------------|--|--|--------------|--|--------------|
| 6 way       | 6  | A9HSNS06                                     | 2013         | A9HSND06 <input checked="" type="checkbox"/> | 2892         |
| 8 way       | 8  | A9HSNS08 <input checked="" type="checkbox"/> | 2387         | A9HSND08 <input checked="" type="checkbox"/> | 3152         |
| 12 way      | 12                                       | A9HSNS12                                     | 2825         | A9HSND12 <input checked="" type="checkbox"/> | 3790         |
| 18 way      | 18                                       | A9HSNS18                                     | 3884         | A9HSND18 <input checked="" type="checkbox"/> | 5078         |

### TPN DBs



- Standard TPN DBs for distribution of Three Phase and Neutral supply
- Incomer - FP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs
- TPN DBs can be converted to PPI DB using 'PPI Kit' provided on next page

| Description | Total Module Cutout (Incomer + Outgoing) | Single Door (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference            | Unit MRP [₹] |
|-------------|--|------------------------------|--------------|---|--------------|
| 4 way eco   | 4 + 12                                   | -                            | -            | A9HTND04E <input checked="" type="checkbox"/> | 7544         |
| 4 way       | 8 + 12                                   | A9HTNS04                     | 5771         | A9HTND04 <input checked="" type="checkbox"/>  | 7609         |
| 6 way       | 8 + 18                                   | A9HTNS06                     | -            | A9HTND06 <input checked="" type="checkbox"/>  | 7722         |
| 8 way       | 8 + 24                                   | A9HTNS08                     | 7868         | A9HTND08 <input checked="" type="checkbox"/>  | 9522         |
| 12 way      | 8 + 36                                   | A9HTNS12                     | 11858        | A9HTND12 <input checked="" type="checkbox"/>  | 14538        |

### Flexi Tier DBs



- Flexi DBs give total flexibility to mount any type and size of Modular devices as per load requirement
- Provided with N-Bar and E-Bar
- Flexi Tier DBs can be converted to PPI DB using 'PPI Kit' provided on next page

| Description       | Total Module Cutout (Incomer + Outgoing) | Single Door (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference           | Unit MRP [₹] |
|-------------------|--|------------------------------|--------------|--|--------------|
| 2 Tier 24 Modules | 2 x 12                                   | -                            | -            | A9HFD224                                     | 8155         |
| 3 Tier 36 Modules | 3 x 12                                   | -                            | -            | A9HFD336                                     | 9794         |
| 4 Tier 40 Modules | 4 x 10                                   | -                            | -            | A9HFD440 <input checked="" type="checkbox"/> | 10346        |
| 4 Tier 56 Modules | 4 x 14                                   | -                            | -            | A9HFD456 <input checked="" type="checkbox"/> | 10814        |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

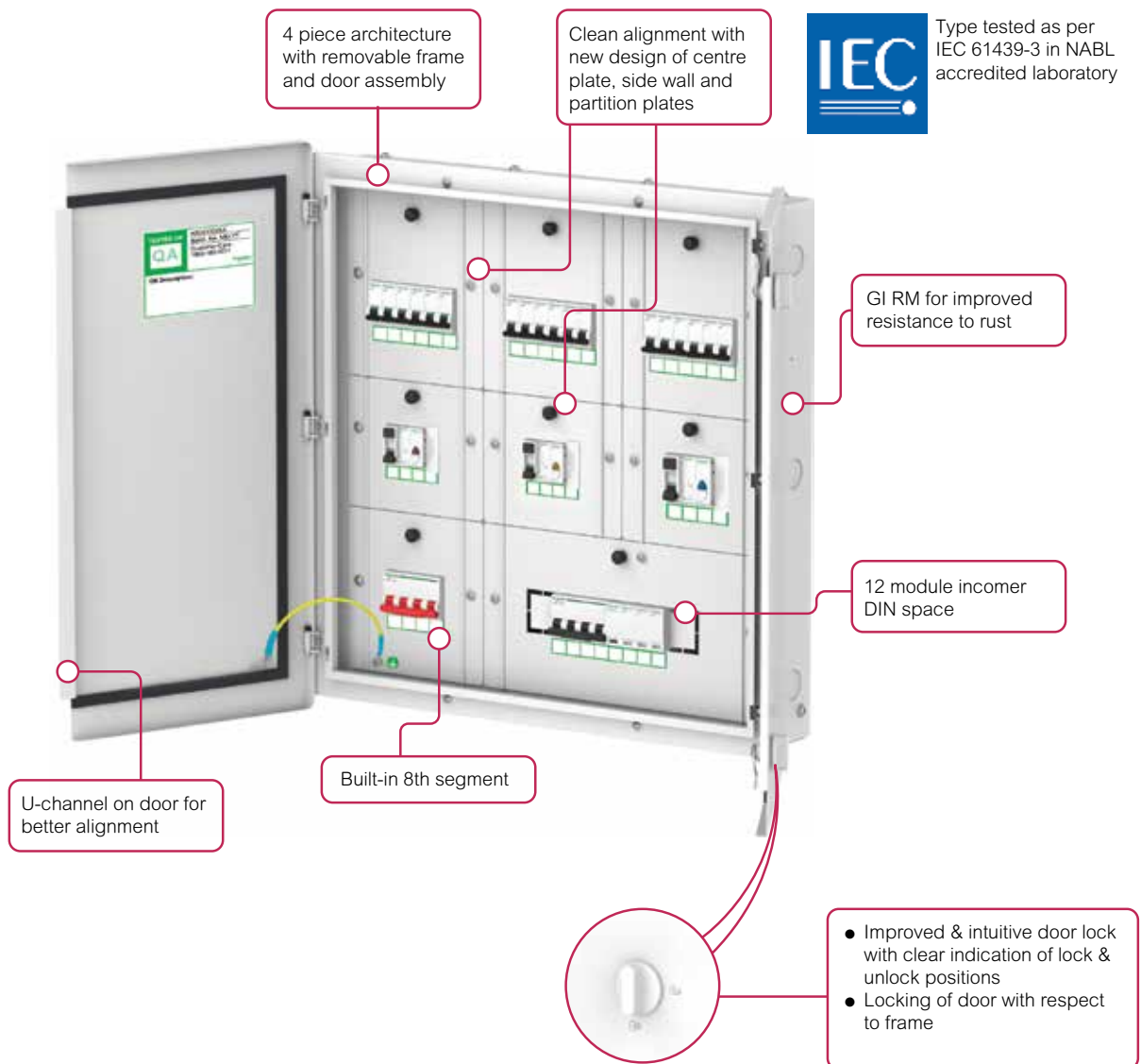
NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Acti 9

## Distribution Boards

### New Phase Segregated DBs



### Key highlights

- 1 New compact design
- 2 Robust architecture
- 3 Type-tested system
- 4 4 piece construction
- 5 Built-in 8th segment
- 6 Split door for all variants
- 7 Clean alignment of doors, centerplates
- 8 Improved door locking
- 9 High rust resistance with GI
- 10 Increased incomer DIN space

Please Contact nearest Schneider Electric Sales Office and Customer Care Center for your reference.

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Per Phase Isolation DBs

- PPI DBs to mount DP Residual Current Device (RCD) at an individual phase level to isolate the faulty phase in case of earth leakage and ensure continuity of supply to other healthy phases
- Incomer - Modular (FP MCB/Isolator) using PPI Kit / MCCB100A (TP/FP Compact NSX or EasyPact CVS)
- Sub-Incomer - DP RCCB/RCBO
- Outgoing - SP MCBs

| Description | Total Module Cutout (Incomer + Outgoing) | Single Door (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference | Unit MRP [₹] |
|-------------|--|------------------------------|--------------|------------------------------------|--------------|
| 12 way      | 100A MCCB + 6 + 30                       | -                            | -            | A9HPID12M                          | 21565        |

### PPI TPN DB



- Set of accessories to convert TPN DBs and 4 tier Flexi DBs to PPI DB
- Kit is provided with additional required quantity of N-Bar, wire set, Busbars (only for Flexi Tier) and Mounting Kit (only for TPN)

| Description       | Total Module Cutout (no. of rows x No. of modules per row) | Double Door Metal (IP43) | No of Ways | Unit MRP [₹] |
|-------------------|--|--------------------------|------------|--------------|
| 6 Way TPN PPI DB  | 8 + 2 x 3 + 4 x 3  | A9HTPI06                 | 6 Ways     | 9750         |
| 8 Way TPN PPI DB  | 8 + 2 x 3 + 6 x 3  | A9HTPI08                 | 8 Ways     | 11310        |
| 12 Way TPN PPI DB | 8 + 2 x 3 + 10 x 3   | A9HTPI12                 | 12 Ways    | 15560        |

### PPI Flexi Tier DB

| Description        | Total Module Cutout (no. of rows x No. of modules per row) | Double Door Metal (IP43) | No of Ways | Unit MRP [₹] |
|--------------------|--|--------------------------|------------|--------------|
| 4T40M Flexi PPI DB | 4 x 10   | A9HFPI10                 | 10         | 15100        |
| 4T56M Flexi PPI DB | 4 x 14   | A9HFPI14                 | 14         | 17000        |

### Phase Segregated DBs



- Phase Segregated DBs to provide total safety for installer and maintenance personnel, by compartmentalizing each Phase and separating Incomer, Sub-Incomer and Outgoing
- Offers better continuity of supply in case of faults during maintenance at DB level.
- Incomer - Modular (FP MCB/Isolator) / MCCB 100A (TP/FP during maintenance Compact NSX or EasyPact CVS)
- Sub-Incomer - DP RCCB/RCBO
- Outgoing - SP MCBs
- GI sheet ensures improved rust resistance
- Type-tested system conforming IEC 61439-3
- Built-in 8th segment (for modular incomer only)
- Increased incomer DIN space of 12M for 6 ways to 12 ways
- Split door for all variants
- New design ensures clean alignment of doors, centerplates
- 4 piece architecture with removable frame
- Improved, intuitive door lock design with clear indication of lock and unlock positions

| Description          | Total Module Cutout (Incomer + Sub-incomer + Outgoing) | Double Door Metal (IP43) Reference | Unit MRP [₹] |
|----------------------|--|------------------------------------|--------------|
| 4 way                | 8 + 12 + 12+4  | A9HPSG06                           | 16936        |
| 6 way                | 8 + 12 + 18+4  | A9HPSG06                           | 16936        |
| 8 way                | 8 + 12 + 24+4  | A9HPSG08                           | 18910        |
| 12 way               | 8 + 12 + 36+4  | A9HPSG12                           | 23739        |
| 12 way with MCCB I/c | 100A MCCB + 12 + 36                                    | A9HPSG12M                          | 32033        |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### VTPN DBs for Modular Incomer



- Ideal solution to distribute power supply to both 3 Phase and 1 Phase loads in the same DB
- Incomer - FP RCCB / RCBO / Isolator / MCB
- Outgoing - SP MCBs / TP MCBs
- 65% more Incomer Wiring Space.
- New Compact Fishbone with better Thermal Performance
- Short Circuit Withstand – 17 kA for 250mS (100 A)/ 25 kA (250 A) for 500mS
- Secure Connections with Fixed Spreader links
- IP 2X protection at Incomer with new shrouds
- Type tested as per IEC 61439 – 3 in NABL accredited Lab
- Knockout size for Incomer increased to 50mm (to accommodate Aluminium Cable)

| Description                           | Total Module Cutout (Incomer + Outgoing) | Double Door Metal (IP43) Reference | No of Ways | Unit MRP [₹] |
|---------------------------------------|--|------------------------------------|------------|--------------|
| Acti9 VTPN DB 4 Ways Modular i-c 63A  | 12 + 12                                  | A9HVM04                            | 4 Ways     | 14,310       |
| Acti9 VTPN DB 8 Ways Modular i-c 63A  | 12 + 24                                  | A9HVM08                            | 8 Ways     | 18,210       |
| Acti9 VTPN DB 12 Ways Modular i-c 63A | 12 + 36                                  | A9HVM12                            | 12 Ways    | 24,360       |

### VTPN DBs for MCCB Incomer



- DBs for higher incoming current distribution up to 250A
- Incomer - TP/FP Compact NSX or EasyPact CVS MCCB up to 250A
- Outgoing - SP MCBs / TP MCBs
- 65% more Incomer Wiring Space.
- New Compact Fishbone with better Thermal Performance
- Short Circuit Withstand – 17 kA for 250mS (100 A)/ 25 kA (250 A) for 500mS
- Secure Connections with Fixed Spreader links
- IP 2X protection at Incomer with new shrouds
- Type tested as per IEC 61439 – 3 in NABL accredited Lab
- Knockout size for Incomer increased to 50mm (to accommodate Aluminium Cable)

| Description                         | Total Module Cutout (Incomer + Outgoing) | Double Door Metal (IP43) Reference | No of Ways | Unit MRP [₹] |
|-------------------------------------|--|------------------------------------|------------|--------------|
| Acti9 VTPN DB 4 Ways MCCB i-c 100A  | 100 A MCCB + 12                          | A9HVN04L                           | 4 Ways     | 15,670       |
| Acti9 VTPN DB 4 Ways MCCB i-c 160A  | 160 A MCCB + 12                          | A9HVN04M                           | 4 Ways     | 17,250       |
| Acti9 VTPN DB 8 Ways MCCB i-c 100A  | 100 A MCCB + 24                          | A9HVN08L                           | 8 Ways     | 19,860       |
| Acti9 VTPN DB 8 Ways MCCB i-c 160A  | 160 A MCCB + 24                          | A9HVN08M                           | 8 Ways     | 21,490       |
| Acti9 VTPN DB 8 Ways MCCB i-c 250A  | 250 A MCCB + 24                          | A9HVN08H                           | 8 Ways     | 27,550       |
| Acti9 VTPN DB 12 Ways MCCB i-c 100A | 100 A MCCB + 36                          | A9HVN12L                           | 12 Ways    | 26,400       |
| Acti9 VTPN DB 12 Ways MCCB i-c 160A | 160 A MCCB + 36                          | A9HVN12M                           | 12 Ways    | 28,680       |
| Acti9 VTPN DB 12 Ways MCCB i-c 250A | 250 A MCCB + 36                          | A9HVN12H                           | 12 Ways    | 32,590       |

### Mivan Compatible DB SPN DBs

| Description                  | Total Module Cutout (Incomer + Outgoing) | Double Door Metal (IP43) Reference | No of Ways | Unit MRP [₹] |
|------------------------------|--|------------------------------------|------------|--------------|
| Acti9 DB 6 way SPN DD 1.6mm  | 2 + 4                                    | A9HSND06Z                          | 6 Ways     | On Request   |
| Acti9 DB 8 way SPN DD 1.6mm  | 2 + 6                                    | A9HSND08Z                          | 8 Ways     | On Request   |
| Acti9 DB 12 way SPN DD 1.6mm | 2 + 10                                   | A9HSND12Z                          | 12 Ways    | On Request   |
| Acti9 DB 18 way SPN DD 1.6mm | 2 + 16                                   | A9HSND18Z                          | 18 Ways    | On Request   |

### TPN DBs

| Description                  | Total Module Cutout (Incomer + Outgoing) | Double Door Metal (IP43) Reference | No of Ways | Unit MRP [₹] |
|------------------------------|--|------------------------------------|------------|--------------|
| Acti9 DB 4 way TPN DD 1.6mm  | 8 + 4 x 3                                | A9HTND04Z                          | 4 Ways     | On Request   |
| Acti9 DB 6 way TPN DD 1.6mm  | 8 + 6 x 3                                | A9HTND06Z                          | 6 Ways     | On Request   |
| Acti9 DB 8 way TPN DD 1.6mm  | 8 + 8 x 3                                | A9HTND08Z                          | 8 Ways     | On Request   |
| Acti9 DB 12 way TPN DD 1.6mm | 8 + 12 x 3                               | A9HTND12Z                          | 12 Ways    | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Flexi Tier DBs

| Description       | Total Module Cutout<br>(no. of rows x No. of<br>modules per row) | Double Door Metal<br>(IP43) Reference | No of Modules Per Row | Unit MRP [₹] |
|-------------------|--|---------------------------------------|-----------------------|--------------|
| 4 Tier 40 Modules | 4 x 10   | A9HFD440Z                             | 10                    | On Request   |
| 4 Tier 56 Modules | 4 x 14   | A9HFD456Z                             | 14                    | On Request   |

### TV TEL DB

| Description                         | Double Door Metal (IP30)<br>Reference | Unit MRP [₹] |
|-------------------------------------|---------------------------------------|--------------|
| Acti9 DB TVTEL BOX 1mm IP30         | A9HTVTEL                              | On Request   |
| Acti9 DB TVTEL & ONT BOX 1.2MM IP30 | A9HOTVTEL                             | On Request   |

**Note:** For all above Reference MOQ = 1

### Metal Clad P&S Units



- Plug & Socket Unit with Electra Plug & Socket and provision to mount modular protection devices to feed the end load directly

| Description    | Total Module Cutout | Single Door<br>(IP30)<br>Reference | Unit MRP [₹] |
|----------------|---------------------|------------------------------------|--------------|
| 10A 1P+N+E P&S | 2                   | A9HMS210                           | 2645         |
| 20A 1P+N+E P&S | 2                   | A9HMS220                           | 2831         |
| 30A 3P+E P&S   | 3                   | A9HMS330                           | 6196         |

### Industrial P&S Units ( provision to mount PratiKa Sockets)



- Plug & Socket Unit with provision to mount PratiKa straight / angled\* socket and modular protection devices to feed the end load directly

| Description   | Total Module Cutout | Single Door<br>(IP30)<br>Reference | Unit MRP [₹] |
|---------------|---------------------|------------------------------------|--------------|
| 16A 3P PK P&S | 2                   | A9HKS316                           | 2445         |
| 32A 3P PK P&S | 2                   | A9HKS332                           | 4039         |
| 32A 5P PK P&S | 4                   | A9HKS532                           | 4784         |
| 63A 5P PK P&S | 4                   | A9HKS563                           | 9661         |

### Locks for Acti 9 DBs



Key Lock\*

Lock & Unlock symbol  
on door for easy &  
intuitive operation

| Description       | Reference | Unit MRP [₹] |
|-------------------|-----------|--------------|
| New Rotary Lock** | A9HRL901  | 757          |

**Note:** \*\*Use New Rotary lock reference A9HRL901 for:  
Acti9 DBs manufactured September 2020 onwards  
Acti9 DBs with lock & unlock symbol on door.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Modular Distribution Boards - Metallic

## Accessories for Distribution Boards

| Description                 | Reference | Unit MRP [₹] |
|-----------------------------|-----------|--------------|
| <b>Busbars</b>              |           |              |
| Fork Busbar 1P 12MOD. 63A   | R9XFH112  | 1024         |
| Fork Busbar 1P 57MOD. 63A   | R9XFH157  | 2279         |
| Fork Busbar 2P 12MOD. 63A   | R9XFH212  | 1180         |
| Fork Busbar 2P 57MOD. 63A   | R9XFH257  | 4371         |
| Fork Busbar 3P 12MOD. 63A   | R9XFH312  | 2664         |
| Fork Busbar 3P 57MOD. 63A   | R9XFH357  | 9535         |
| Fork Busbar 4P 12MOD. 63A   | R9XFH412  | 2457         |
| Fork Busbar 4P 57MOD. 63A   | R9XFH457  | 10262        |
| <b>Busbar Accessories</b>   |           |              |
| Set of 10 End Caps 1P       | R9XE110   | *            |
| Set of 10 End Caps 2P       | R9XE210   | *            |
| Set of 10 End Caps 3P       | R9XE310   | 1077         |
| Set of 10 End Caps 4P       | R9XE410   | *            |
| Set of 4 Connector Fork 63A | R9XFC04   | *            |
| Set of 20 Tooth Caps        | R9XT20    | 1294         |
| Blanking Plate              | 13229B    | 53           |

**Note:** Blanking Plate MOQ = 10, All other MOQ = 1

## Customized Distribution Boards to Suit Your Need - Available on Request\*

- TV/Telephone DBs
- Pre-Wired DBs
- 8 Segment DBs
- Acrylic Door DBs
- IP54 DBs
- DBs with Phase Indication Lamps

\*upto 32A socket only

**Note:** For all above Reference MOQ = 1

**Note:** \* Please contact nearest Schneider Electric Sales Office or Customer Care Center for coordination chart

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Kaedra enclosures for PratiKa industrial sockets are part of a complete system of Watertight enclosures from 16A to 125A providing solutions for protection, control and electrical distribution for tertiary and industrial applications



- Degree of protection - IP65
- Impact strength - IK09
- Resistant to chemical and atmospheric agents, UVs etc.
- Self extinguishing class 2 insulating material
- Flame and abnormal heat resistance: 650°C
- Reversible front face for opening of door to left/right
- Combining of enclosures horizontally/vertically while still maintaining IP
- DIN channel can be positioned in 2 depths & 2 heights for cabling purpose

## Mini Enclosures for modular devices



| Description | Reference                                 | Unit MRP [₹] |
|-------------|---|--------------|
| 4 module    | 13441 <input checked="" type="checkbox"/> | 3859         |
| 6 module    | 13442                                     | 4392         |
| 8 module    | 13443                                     | 5172         |
| 12 module   | 13444                                     | 8310         |

## Enclosures for modular devices (with terminal blocks)



| Description     | Reference | Unit MRP [₹] |
|-----------------|-----------|--------------|
| 1 row 12 module | 13431     | 9171         |
| 1 row 18 module | 13432     | 12087        |
| 2 row 24 module | 13433     | 13726        |
| 2 row 36 module | 13434     | 17376        |
| 3 row 36 module | 13435     | 18118        |
| 4 row 72 module | 13437     | 34582        |

## Mini Enclosure (suitable to mount modular devices and PratiKa 16A socket)



| Description                   | Reference                                 | Unit MRP [₹] |
|-------------------------------|---|--------------|
| 4 module 1 vertical opening   | 13175 <input checked="" type="checkbox"/> | 1841         |
| 4 module 2 horizontal opening | 13176                                     | 2271         |
| 4 module 3 horizontal opening | 13177                                     | 2858         |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Enclosure (suitable to mount modular devices and PratiKa 16A / 32A sockets)



| Description                   | Reference                                 | Unit MRP [₹] |
|-------------------------------|---|--------------|
| 5 module 2 opening            | 13178 <input checked="" type="checkbox"/> | 4431         |
| 8 module 4 horizontal opening | 13179                                     | 6048         |
| 13 module 3 opening           | 13180                                     | 7992         |
| 13 module 6 opening           | 13181                                     | 8785         |
| 19 module 8 opening           | 13182                                     | 11322        |

## Functional Plaques



| Description                                      | Reference | Unit MRP [₹] |
|--|-----------|--------------|
| Blank - marked for 1 socket 50x50                | 13135     | 573          |
| Blank - marked for 1 socket 65x65 or 75x75       | 13137     | 573          |
| Intermediate with 65x85 opening                  | 13136     | 699          |
| Intermediate with one opening for 65x85 & 90x100 | 13142     | 1159         |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Wander Plugs



- Conforms to IEC 60309-1 & IEC 60309-2
- PK PratiKa Screw Connect: same orientation of clamp's screws
- External impact strength: IK08
- Glow wire test: 850°C

| [In] Rated Current (A)                            | [Ue] Rated Operational Voltage (V) | Poles Description                             | Reference                                     | Unit MRP [₹] |
|---|------------------------------------|---|---|--------------|
| <b>PratiKa Screw</b>                              |                                    |   |   |              |
| <b>IP44</b>                                       |                                    |   |   |              |
| 16  | 200...250                          | 2P + E  | PKE16M423 <input checked="" type="checkbox"/> | 578          |
|   |                                    | 2P + E  | PKX16M423 <input type="checkbox"/>            | 1168         |
|   | 380...415                          | 3P + E  | PKE16M434 <input checked="" type="checkbox"/> | 731          |
| 3P + N + E  |                                    | PKE16M435 <input checked="" type="checkbox"/> | 762   |              |
| 32  | 200...250                          | 2P + E  | PKE32M423 <input checked="" type="checkbox"/> | 909          |
|   |                                    | 3P + E  | PKE32M434                                     | 1055         |
|   | 380...415                          | 3P + N + E                                    | PKE32M435 <input checked="" type="checkbox"/> | 1040         |
| <b>IP67</b>                                       |                                    |   |   |              |
| 16  | 200...250                          | 2P + E  | PKE16M723 <input checked="" type="checkbox"/> | 1262         |
|   |                                    | 2P + E  | PKX16M723 <input type="checkbox"/>            | 1857         |
|   | 380...415                          | 3P + E  | PKE16M734                                     | 1426         |
| 3P + N + E  |                                    | PKE16M735                                     | 1524  |              |
| 32  | 200...250                          | 2P + E  | PKE32M723                                     | 1786         |
|   |                                    | 3P + E  | PKE32M734 <input checked="" type="checkbox"/> | 1927         |
|   | 380...415                          | 3P + N + E                                    | PKE32M735 <input checked="" type="checkbox"/> | 1941         |
| <b>PK (63A &amp; 125A available in IP67 only)</b> |                                    |   |   |              |
| 63  | 200...250                          | 2P + E  | 81378   | 5063         |
|   |                                    | 3P + E  | 81382 <input checked="" type="checkbox"/>     | 4827         |
|   | 380...415                          | 3P + N + E                                    | 81383 <input checked="" type="checkbox"/>     | 4834         |
| 125   | 200...250                          | 2P + E  | 81390   | 12929        |
|   |                                    | 3P + E  | 81394   | 14765        |
|   | 380...415                          | 3P + N + E                                    | 81395   | 14765        |

Note: \* Fast Connection

## Small Wall Mounted Sockets



- Conforms to IEC 60309-1 & IEC 60309-2
- External impact strength: IK08
- Glow wire test: 850°C

| [In] Rated Current (A) | [Ue] Rated Operational Voltage (V) | Poles Description | Reference | Unit MRP [₹] |
|------------------------|------------------------------------|-------------------|-----------|--------------|
| <b>IP44</b>            |                                    |                   |           |              |
| 16                     | 200...250                          | 2P + E            | PKF16W423 | 1011         |
|                        |                                    | 3P + E            | PKF16W434 | 1173         |
|                        | 380...415                          | 3P + N + E        | PKF16W435 | 1282         |
| 32                     | 200...250                          | 2P + E            | PKF32W423 | 1322         |
|                        |                                    | 3P + E            | PKF32W434 | 1587         |
|                        | 380...415                          | 3P + N + E        | PKF32W435 | 1675         |
| <b>IP67</b>            |                                    |                   |           |              |
| 16                     | 200...250                          | 2P + E            | PKF16W723 | 1607         |
|                        |                                    | 3P + E            | PKF16W734 | 2018         |
|                        | 380...415                          | 3P + N + E        | PKF16W735 | 2087         |
| 32                     | 200...250                          | 2P + E            | PKF32W723 | 2010         |
|                        |                                    | 3P + E            | PKF32W734 | 2936         |
|                        | 380...415                          | 3P + N + E        | PKF32W735 | 3894         |

Note: For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Wall Mounted Sockets



81178



81183

- Conforms to IEC 60309-1 & IEC 60309-2
- Rated operational voltage upto 415V
- Rated operational current upto 125A
- External impact strength: IK08
- Glow wire test: 850°C
- Available only in IP67

| [In] Rated Current (A) | [Ue] Rated Operational Voltage (V) | Poles Description | Reference | Unit MRP [₹] |
|------------------------|------------------------------------|-------------------|-----------|--------------|
| 63                     | 200...250                          | 2P + E            | 81178     | 6237         |
|                        |                                    | 3P + E            | 81182 ●   | 6419         |
|                        | 3P + N + E                         | 81183             | 6511      |              |
| 125                    | 380...415                          | 3P + E            | 81194     | 22493        |
|                        |                                    | 3P + N + E        | 81195     | 22603        |

## Wander Sockets



PKF16M423



81483



PKF32M735

- PK PratiKa Screw Connect: same orientation of clamp's screws.
- PK PratiKa: 16A & 32A; IP44 & IP67
- External impact strength: IK08
- Glow wire test: 850 °C
- Conforms to IEC 60309-1 & IEC 60309-2

| [In] Rated Current (A)                            | [Ue] Rated Operational Voltage (V) | Poles Description | Reference   | Unit MRP [₹] |
|---|------------------------------------|-------------------|-------------|--------------|
| <b>PratiKa Screw</b>                              |                                    |                   |             |              |
| <b>IP44</b>                                       |                                    |                   |             |              |
| 16  | 200...250                          | 2P + E            | PKF16M423 ✓ | 800          |
|   |                                    | 2P + E            | PKY16M423   | 882          |
|   | 380...415                          | 3P + E            | PKF16M434   | 923          |
|   |                                    | 3P + N + E        | PKF16M435   | 1007         |
| 32  | 200...250                          | 2P + E            | PKF32M423 ✓ | 1100         |
|   |                                    | 3P + E            | PKF32M434   | 1335         |
|   | 380...415                          | 3P + N + E        | PKF32M435 ✓ | 1344         |
| <b>IP67</b>                                       |                                    |                   |             |              |
| 16  | 200...250                          | 2P + E            | PKF16M723   | 1481         |
|   |                                    | 2P + E            | PKY16M723 ● | 1802         |
|   | 380...415                          | 3P + E            | PKF16M734   | 1857         |
|   |                                    | 3P + N + E        | PKF16M735   | 1941         |
| 32  | 380...415                          | 2P + E            | PKF32M723   | 2037         |
|   |                                    | 3P + E            | PKF32M734   | 2254         |
|   | 3P + N + E                         | PKF32M735         | 2275        |              |
| <b>PK (63A &amp; 125A available in IP67 only)</b> |                                    |                   |             |              |
| 63  | 200...250                          | 2P + E            | 81478       | 5514         |
|   |                                    | 3P + E            | 81482       | 5563         |
|   | 380...415                          | 3P + N + E        | 81483       | 5653         |
| 125   | 200...250                          | 2P + E            | 81490       | 21116        |
|   |                                    | 3P + E            | 81494       | 17408        |
|   | 380...415                          | 3P + N + E        | 81495       | 17749        |

## Also Available on Request:

- Patented FAST connect Plugs & Sockets - innovative cabling system that enables connection without stripping the conductor and with absolutely no screws required
- Extra Low Voltage Plugs & Sockets down to 50V

Please contact nearest Schneider Electric Sales Office or Customer Care for Reference and Prices

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Panel Mounted Sockets - Angled



PKF16F423



PKF32F723



81283

- PK PratiKa Screw Connect: same orientation of clamp's screws
- External impact strength: IK08
- Glow wire test: 850°C
- Conforms to IEC 60309-1 & IEC309-2

| [In] Rated Current (A)                            | [Ue] Rated Operational Voltage (V) | Poles Description | Reference                                     | Unit MRP [₹] |
|---|------------------------------------|-------------------|---|--------------|
| <b>PratiKa Screw</b>                              |                                    |                   |   |              |
| <b>IP44</b>                                       |                                    |                   |   |              |
| 16  | 200...250                          | 2P + E            | PKF16F423 <input checked="" type="checkbox"/> | 619          |
|   |                                    | 2P + E            | PKY16F423 <input type="checkbox"/>            | 668          |
|   | 380...415                          | 3P + E            | PKF16F434                                     | 923          |
|   |                                    | 3P + N + E        | PKF16F435 <input checked="" type="checkbox"/> | 984          |
| 32  | 200...250                          | 2P + E            | PKF32F423 <input checked="" type="checkbox"/> | 1100         |
|   | 380...415                          | 3P + E            | PKF32F434                                     | 1276         |
|   |                                    | 3P + N + E        | PKF32F435                                     | 1271         |
| <b>IP67</b>                                       |                                    |                   |   |              |
| 16  | 200...250                          | 2P + E            | PKF16F723 <input checked="" type="checkbox"/> | 1166         |
|   |                                    | 2P + E            | PKY16F723 <input type="checkbox"/>            | 1412         |
|   | 380...415                          | 3P + E            | PKF16F734                                     | 1328         |
|   |                                    | 3P + N + E        | PKF16F735 <input checked="" type="checkbox"/> | 1344         |
| 32  | 200...250                          | 2P + E            | PKF32F723                                     | 1517         |
|   | 380...415                          | 3P + E            | PKF32F734                                     | 1773         |
|   |                                    | 3P + N + E        | PKF32F735                                     | 1802         |
| <b>PK (63A &amp; 125A available in IP67 only)</b> |                                    |                   |   |              |
| 63  | 200...250                          | 2P + E            | 81278   | 4979         |
|   |                                    | 3P + E            | 81282 <input checked="" type="checkbox"/>     | 4987         |
|   | 380...415                          | 3P + N + E        | 81283 <input checked="" type="checkbox"/>     | 5085         |
| 125   | 200...250                          | 2P + E            | 81290   | 16372        |
|   |                                    | 3P + E            | 81294   | 16797        |
|   | 380...415                          | 3P + N + E        | 81295   | 16879        |

## Panel Mounted Sockets - Straight



PKF16G423



PKF16G723



81683

- PK PratiKa Screw Connect: same orientation of clamp's screws
- External impact strength: IK08
- Glow wire test: 850°C
- Conforms to IEC 60309-1 & IEC309-2

| [In] Rated Current (A)                            | [Ue] Rated Operational Voltage (V) | Poles Description | Reference                          | Unit MRP [₹] |
|---|------------------------------------|-------------------|------------------------------------|--------------|
| <b>PratiKa Screw</b>                              |                                    |                   |                                    |              |
| <b>IP44</b>                                       |                                    |                   |                                    |              |
| 16  | 200...250                          | 2P + E            | PKF16G423                          | 701          |
|   |                                    | 2P + E            | PKY16G423                          | 909          |
|   | 380...415                          | 3P + E            | PKF16G434                          | 1223         |
|   |                                    | 3P + N + E        | PKF16G435                          | 1055         |
| 32  | 200...250                          | 2P + E            | PKF32G423                          | 1113         |
|   | 380...415                          | 3P + E            | PKF32G434                          | 1282         |
|   |                                    | 3P + N + E        | PKF32G435                          | 1389         |
| <b>IP67</b>                                       |                                    |                   |                                    |              |
| 16  | 200...250                          | 2P + E            | PKF16G723                          | 1173         |
|   |                                    | 2P + E            | PKY16G723 <input type="checkbox"/> | 1322         |
|   | 380...415                          | 3P + E            | PKF16G734                          | 1613         |
|   |                                    | 3P + N + E        | PKF16G735                          | 1344         |
| 32  | 200...250                          | 2P + E            | PKF32G723                          | 1496         |
|   | 380...415                          | 3P + E            | PKF32G734                          | 1684         |
|   |                                    | 3P + N + E        | PKF32G735                          | 1747         |
| <b>PK (63A &amp; 125A available in IP67 only)</b> |                                    |                   |                                    |              |
| 63  | 200...250                          | 2P + E            | 81678                              | 6025         |
|   |                                    | 3P + E            | 81682                              | 5036         |
|   | 380...415                          | 3P + N + E        | 81683                              | 5036         |
| 125   |                                    | 3P + N + E        | 81695                              | 16879        |

\*Fast Connection

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

 NORMAL STOCK ITEMSW.E.F. January 30<sup>th</sup>, 2023

## Sockets with Interlock Switches - for guaranteed safety of operation

- Allows closure of main switch only when the plug is fully inserted in socket - when complete mechanical & electrical connection has occurred
- Plug removal is possible only when the switch is in "off" position

## Wall Mounted Sockets with Interlock Switch Unika (w/o protection)



83047

83081

- Switch designed for use in AC 22A class applications
- Conforms to IEC 60309-1 & IEC 60309-2
- Rated operational voltage upto 415V
- Rated operational current upto 32A
- External impact strength: IK08
- Available in IP44 / IP65 versions
- Glow wire test: 750°C

| [In] Rated Current (A) | [Ue] Rated Operational Voltage (V) | Poles Description | Reference                                 | Unit MRP [₹] |
|------------------------|------------------------------------|-------------------|---|--------------|
| <b>IP44</b>            |                                    |                   |   |              |
| 16                     | 200...250                          | 2P + E            | 83031                                     | 8416         |
|                        | 380...415                          | 3P + E            | 83035                                     | 14155        |
| 32                     |                                    | 3P + N + E        | 83036                                     | 11878        |
|                        | 200...250                          | 2P + E            | 83042 <input checked="" type="checkbox"/> | 10926        |
|                        | 380...415                          | 3P + E            | 83046                                     | 15474        |
|                        |                                    | 3P + N + E        | 83047                                     | 12875        |
| <b>IP65</b>            |                                    |                   |   |              |
| 16                     | 200...250                          | 2P + E            | 83081                                     | 8708         |
|                        | 380...415                          | 3P + E            | 83085                                     | 11991        |
| 32                     |                                    | 3P + N + E        | 83086                                     | 12235        |
|                        | 200...250                          | 2P + E            | 83092                                     | 11412        |
|                        | 380...415                          | 3P + E            | 83096                                     | 16647        |
|                        |                                    | 3P + N + E        | 83097                                     | 13703        |

## Socket with Interlock Switch &amp; DIN Rail Isoblock (4.5 modules)



82754

83796

- Switch designed for use in AC- 22A class applications
- Conforms to IEC 60309-1 & IEC 60309-2
- Provision to DIN mount 4.5 module device
- External impact strength: IK10
- Available in IP65 version
- Glow wire test: 850°C

| [In] Rated Current (A) | [Ue] Rated Operational Voltage (V) | Poles Description | Reference                                 | Unit MRP [₹] |
|------------------------|------------------------------------|-------------------|---|--------------|
| 16                     | 200...250                          | 2P + E            | 82754 <input checked="" type="checkbox"/> | 10433        |
|                        | 380...415                          | 3P + E            | 82758                                     | 15439        |
|                        |                                    | 3P + N + E        | 82759                                     | 15954        |
| 32                     | 200...250                          | 2P + E            | 83791 <input checked="" type="checkbox"/> | 12352        |
|                        | 380...415                          | 3P + E            | 83795                                     | 17763        |
|                        |                                    | 3P + N + E        | 83796                                     | 14716        |

## Socket with Interlock Switch &amp; DIN Rail Isoblock (6 modules)



82766

82771

- Switch designed for use in AC- 22A class applications
- Conforms to IEC 60309-1 & IEC 60309-2
- Provision to DIN mount 6 module device
- External impact strength: IK10
- Available in IP65 version
- Glow wire test: 850°C

| [In] Rated Current (A) | [Ue] Rated Operational Voltage (V) | Poles Description | Reference | Unit MRP [₹] |
|------------------------|------------------------------------|-------------------|-----------|--------------|
| 32                     | 200...250                          | 2P + E            | 82766     | 16295        |
|                        | 380...415                          | 3P + E            | 82770     | 23213        |
|                        |                                    | 3P + N + E        | 82771     | 19684        |
| 63                     |                                    | 3P + E            | 82782     | 21957        |
|                        | 380...415                          | 3P + N + E        | 82783     | 22027        |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**ELECTRA Metal Clad Plugs & Sockets are specially designed incorporating the latest safety, quality and user friendly features.**

**Construction**

- The casting is made from non-corroding die-cast aluminum alloy combining exceptional compactness with high strength
- The design/construction eliminates the possibility of mismatch in fitting of plugs in corresponding sockets
- The floating contacts in the sockets are self aligning and facilitates smooth plugging in without undue pressure (These can be easily removed for wiring )
- A provision for pilot pin facilitates mechanical interlocking in case of 63A ratings

**Human Safety**

Specially designed shroud to avoid accidental finger contact with plug-pins while inserting/removing the plug  
Similarly, the contact tubes in sockets are deeply recessed to avoid human contact

- The earthing pins ensure that earth connection is made first and broken last, being longer than conducting pins
- The visible earth terminals facilitate easy checking of earth connection
- The cable grip to the plug is made very strong by providing a compression gland and by protecting it at the point of entry by a strong rubber guard

**Applications**

Industrial, Commercial & Domestic portable equipments like Hand/Power Tools, Industrial Ovens, Welding Sets, Mobile Generators, Furnaces, Ships, Office Machines, Refrigerators, Coolers, Air-Conditioners, Overhead Cranes, Chilling Cabinets, Tile Polishers and Sewing Machines

**Plug**



| Rating (A) | Poles Description | Voltage (V) | MOQ | Reference                                | Unit MRP [₹] |
|------------|-------------------|-------------|-----|--|--------------|
| 10         | 2P                | 250         | 30  | AP10 <input checked="" type="checkbox"/> | 275          |
| 20         | 2P                | 250         | 30  | AP20 <input checked="" type="checkbox"/> | 289          |
| 20         | 3P                | 440         | 30  | BP20 <input checked="" type="checkbox"/> | 384          |
| 30         | 3P                | 440         | 20  | BP30 <input checked="" type="checkbox"/> | 700          |
| 63         | 3P+N+E            | 440         | 4   | CP63 <input checked="" type="checkbox"/> | 3166         |

**Socket**



| Rating (A) | Poles Description | Voltage (V) | MOQ | Reference                                | Unit MRP [₹] |
|------------|-------------------|-------------|-----|--|--------------|
| 10         | 2P                | 250         | 30  | AS10 <input checked="" type="checkbox"/> | 289          |
| 20         | 2P                | 250         | 30  | AS20 <input checked="" type="checkbox"/> | 308          |
| 20         | 3P                | 440         | 30  | BS20 <input checked="" type="checkbox"/> | 432          |
| 30         | 3P                | 440         | 20  | BS30 <input checked="" type="checkbox"/> | 741          |
| 63         | 3P+N+E            | 440         | 4   | CS63 <input checked="" type="checkbox"/> | 3479         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



Complete range of switches & sockets suitable for both indoor & outdoor applications like Kitchens, Swimming Pools, Landscape Gardens, Exterior Walls and Other Environmentally Challenged Locations.



56SW116LE-GY



56SW216LE-GY



56SW332LE-GY

| Description                                | IP Rating | Reference    | Unit MRP [₹] |
|--|-----------|--------------|--------------|
| <b>Surface Switches</b>                    |           |              |              |
| <b>Single Pole Switches Less Enclosure</b> |           |              |              |
| 1 Pole 250V 10A                            | IP66      | 56SW110LE-GY | 3710         |
| 1 Pole 250V 16A                            | IP66      | 56SW116LE-GY | 3476         |
| 1 Pole 250V 20A                            | IP66      | 56SW120LE-GY | 5264         |
| 1 Pole 250V 32A                            | IP66      | 56SW132LE-GY | 6217         |
| <b>Double Pole Switches Less Enclosure</b> |           |              |              |
| 2 Pole 500V 16A                            | IP66      | 56SW216LE-GY | 6007         |
| 2 Pole 500V 20A                            | IP66      | 56SW220LE-GY | 6007         |
| 2 Pole 500V 32A                            | IP66      | 56SW232LE-GY | 6974         |
| 2 Pole 500V 50A                            | IP66      | 56SW250LE-GY | 8144         |
| <b>Triple Pole Switches Less Enclosure</b> |           |              |              |
| 3 Pole 500V 10A                            | IP66      | 56SW310LE-GY | 5555         |
| 3 Pole 500V 16A                            | IP66      | 56SW316LE-GY | 5795         |
| 3 Pole 500V 20A                            | IP66      | 56SW320LE-GY | 6101         |
| 3 Pole 500V 32A                            | IP66      | 56SW332LE-GY | 7113         |
| 3 Pole 500V 50A                            | IP66      | 56SW350LE-GY | 8207         |
| 3 Pole 500V 63A                            | IP66      | 56SW363LE-GY | 9527         |
| <b>Four Pole Switches Less Enclosure</b>   |           |              |              |
| 4 Pole 500V 20A                            | IP66      | 56SW420LE-GY | 8054         |



66CV563-RG



66P563-EO

| Description  | IP Rating | Reference  | Unit MRP [₹] |
|--|-----------|------------|--------------|
| <b>IP66 Industrial Combination Switch Sockets with Enclosure</b> |           |            |              |
| <b>Single Pole Switches Less Enclosure</b>                       |           |            |              |
| 500V, 63A with 4 pole switch and 63A 5 Pin Socket                | IP66      | 66CV563-RG | 107969       |
| Plug Top 5 Pin 500V 63A  | IP66      | 66P563-EO  | 32407        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



56SO316RP-LE-GY-EX



56SO432LE-GY



56SO532LE-GY

| Description                         | IP Rating | Reference          | Unit MRP [₹] |
|-------------------------------------|-----------|--------------------|--------------|
| <b>Surface Socket Outlets</b>       |           |                    |              |
| <b>3 Pin Sockets Less Enclosure</b> |           |                    |              |
| 3 Pin 250V 16A Indian Standard      | IP66      | 56SO316RP-LE-GY-EX | 3499         |
| 3 Pin 250V 20A Round Pin            | IP66      | 56SO320LE-GY       | 5080         |
| 3 Pin 250V 32A Round Pin            | IP66      | 56SO332LE-GY       | 5605         |
| <b>4 Pin Sockets Less Enclosure</b> |           |                    |              |
| 4 Pin 500V 20A Round Pin            | IP66      | 56SO420LE-GY       | 7515         |
| 4 Pin 500V 32A Round Pin            | IP66      | 56SO432LE-GY       | 8986         |
| 4 Pin 500V 50A Round Pin            | IP66      | 56SO450LE-GY       | 13826        |
| <b>5 Pin Sockets Less Enclosure</b> |           |                    |              |
| 5 Pin 500V 10A Round Pin            | IP66      | 56SO510LE-GY       | 8121         |
| 5 Pin 500V 20A Round Pin            | IP66      | 56SO520LE-GY       | 8121         |
| 5 Pin 500V 32A Round Pin            | IP66      | 56SO532LE-GY       | 9644         |
| 5 Pin 500V 40A Round Pin            | IP66      | 56SO540LE-GY       | 13914        |
| 5 Pin 500V 50A Round Pin            | IP66      | 56SO550LE-GY       | 14286        |

\*Alternate reference 56SO440-GY (coming soon)



56PA420-EO



56PA532-EO



56CV1520-GY

| Description  | IP Rating | Reference   | Unit MRP [₹] |
|--|-----------|-------------|--------------|
| <b>Plugs</b>   |           |             |              |
| <b>3 Pin Angle Plugs</b>                             |           |             |              |
| 3 Pin 250V 20A Round Pin                             | IP66      | 56PA320-EO  | 5264         |
| 3 Pin 250V 32A Round Pin                             | IP66      | 56PA332-EO  | 6023         |
| <b>4 Pin Angle Plugs</b>                             |           |             |              |
| 4 Pin 500V 20A Round Pin                             | IP66      | 56PA420-EO  | 6414         |
| 4 Pin 500V 32A Round Pin                             | IP66      | 56PA432-EO  | 6677         |
| 4 Pin 500V 40A Round Pin                             | IP66      | 56PA440-EO  | 8970         |
| 4 Pin 500V 50A Round Pin                             | IP66      | 56PA450-EO  | 7923         |
| <b>5 Pin Angle Plugs</b>                             |           |             |              |
| 5 Pin 500V 10A Round Pin                             | IP66      | 56PA510-EO  | 6305         |
| 5 Pin 500V 20A Round Pin                             | IP66      | 56PA520-EO  | 6305         |
| 5 Pin 500V 32A Round Pin                             | IP66      | 56PA532-EO  | 7284         |
| 5 Pin 500V 40A Round Pin                             | IP66      | 56PA540-EO  | 7704         |
| 5 Pin 500V 50A Round Pin                             | IP66      | 56PA550-EO  | 7887         |
| <b>Combination Switch Socket Outlet</b>              |           |             |              |
| <b>IP66 Interlocked Switch Socket with Enclosure</b> |           |             |              |
| 4 Pin 500V 20A Round Pin                             | IP66      | 56CVI420-GY | 24114        |
| 5 Pin 500V 20A Round Pin                             | IP66      | 56CVI520-GY | 24932        |
| 5 Pin 500V 32A Round Pin                             | IP66      | 56CVI532-GY | 25160        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# 56 Series



56DB2-GY



56CB4N-GY

| Description                                | IP Rating | Reference | Unit MRP [₹] |
|--|-----------|-----------|--------------|
| <b>Adaptable Enclosures with Gear Tray</b> |           |           |              |
| 2 Gangpoints, 198X101X140mm                | IP66      | 56DB2-GY  | 6879         |
| 3 Gangpoints, 294X101X140mm                | IP66      | 56DB3-GY  | 8748         |
| 6 Gangpoints, 294X198X140mm                | IP66      | 56DB6-GY  | 20649        |
| <b>Junction Boxes</b>                      |           |           |              |
| 1 Gangpoint, 107X101X90mm                  | IP66      | 56JB1-GY  | 2993         |
| 2 Gangpoints, 204X101X90mm                 | IP66      | 56JB2-GY  | 4811         |
| 3 Gangpoints, 300X101X90mm                 | IP66      | 56JB3-GY  | 10310        |
| 4 Gangpoints, 204X198X90mm                 | IP66      | 56JB4-GY  | 9679         |

| Description  | Module Width | Reference | Unit MRP [₹] |
|--|--------------|-----------|--------------|
| <b>Switchgear Cover Assembly</b>                   |              |           |              |
| For 1,2,3 Pole MCB with 4 Pole RCD (max. 4M Width) | 4            | 56CB4N-GY | 5714         |



56FA2-GY



56E2-GY



56E1-GY-EX



56E3-GY

| Description                             | No. of Gangs | Reference | Unit MRP [₹] |
|---|--------------|-----------|--------------|
| <b>Flush Surrounds</b>                  |              |           |              |
| Flush Surround                          | 1            | 56FA1-GY  | 2790         |
| Flush Surround                          | 2            | 56FA2-GY  | 2815         |
| Flush Surround                          | 3            | 56FA3-GY  | 4432         |
| <b>Mounting Enclosures (Back Boxes)</b> |              |           |              |
| 198X101X63mm                            | 2            | 56E2-GY   | 3141         |
| 294X101X63mm                            | 3            | 56E3-GY   | 4986         |
| 198X198X63mm                            | 4            | 56E4-GY   | 6414         |
| 294X198X63mm                            | 6            | 56E6-GY   | 10256        |
| 391X198X63mm                            | 8            | 56E8-GY   | 13456        |
| 391X391X63mm                            | 16           | 56E16-GY  | 24381        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# SWITCH TO STYLE



Perfect solutions for the perfect you



**Clipsal X**



**Opale**



Anti-Bacterial  
Range

**LIVIA**  
Life. Style.



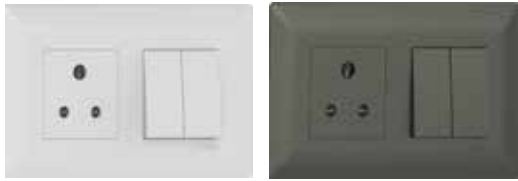
**Avatar On**



**ZENcelo**



**Unica Pure**



- **Sleek Design** - 2.7mm thin plate with curved body to minimize dust accumulation
- **Stylish Looks** - Soft white texture with glossy finish
- **Robust & Strong** - Innovative honeycomb designed grid plate for extra rigidity
- **Reliable** - High grade heat-resistant polycarbonate and laser marked wiring diagrams. Tested for 4 Lac clicks
- **Easy to Install** - Snap-In / Snap-Out front loading modules and Bigger terminal holes
- **Green & Eco Friendly** - RoHS compliant range

**NEW** Livia Painted Grey to be launched soon.



| Description                               | Reference for White | Unit MRP [₹] | Box Qty | Reference for Steel Grey | Unit MRP [₹] | Box Qty |
|---|---------------------|--------------|---------|--------------------------|--------------|---------|
| <b>Switches</b>                           |                     |              |         |                          |              |         |
| 10AX 1 way switch                         | P1001               | 136          | 20      | P1001_PG                 | 190          | 20      |
| 10AX 1 way switch with Indicator lamp     | P1081               | 281          | 20      | P1081_PG                 | 391          | 20      |
| 10AX 2 way switch                         | P1002               | 222          | 20      | P1002_PG                 | 276          | 20      |
| 16AX 1 way switch                         | P1101               | 239          | 20      | P1101_PG                 | 297          | 20      |
| 16AX 1 way switch with Indicator lamp     | P1181               | 336          | 20      | P1181_PG                 | 388          | 20      |
| 16AX 1 way switch (2M)                    | P1121               | 375          | 10      | P1121_PG                 | 496          | 10      |
| 16AX 2 way switch                         | P1102               | 329          | 10      | P1102_PG                 | 456          | 1       |
| 20A 1 way switch (1M) with indicator lamp | P11201              | 303          | 20      | P11201_PG                | 395          | 20      |
| 20A DP switch with Indicator lamp         | P1120               | 534          | 20      | P1120_PG                 | 749          | 20      |
| 32A DP switch with Indicator lamp         | P1132               | 781          | 10      | P1132_PG                 | 1,023        | 20      |
| <b>Motor Starter Switch</b>               |                     |              |         |                          |              |         |
| 25A Motor Starter switch                  | P1186MS             | 1,353        | 1       | P1186MS_PG               | 1,834        | 1       |
| <b>Bell Push</b>                          |                     |              |         |                          |              |         |
| 10A Bell Push switch                      | P1005               | 248          | 20      | P1005_PG                 | 341          | 10      |
| 10A Bell Push switch (2M)                 | P1025               | 333          | 10      | P1025_PG                 | 503          | 10      |
| 10A bell push switch with Indicator       | P1085               | 300          | 20      | P1085_PG                 | 419          | 20      |
| 10A bell push switch with Indicator (2M)  | P1086               | 388          | 10      | P1086_PG                 | 542          | 10      |
| <b>Sockets</b>                            |                     |              |         |                          |              |         |
| 6A 3Pin socket Outlet with shutter (BIS)  | P2005NS             | 264          | 10      | P2005NS_PG               | 322          | 10      |
| 6A/16A 3-pin Socket Outlet with Shutter   | P2106               | 397          | 10      | P2106_PG                 | 473          | 10      |
| <b>Fan Regulators &amp; Dimmers</b>       |                     |              |         |                          |              |         |
| Step type fan regulator (1M)              | P3100               | 765          | 10      | P3100_PG                 | 966          | 10      |
| Step type fan regulator (2M)              | P3200               | 889          | 6       | P3200_PG                 | 1,121        | 10      |
| Dimmer 400W (1M)                          | P3004               | 1,421        | 6       | P3004_PG                 | 1,938        | 6       |
| Dimmer 1000W (2M)                         | P3012               | 2,104        | 6       | P3012_PG                 | 2,463        | 6       |
| <b>USB Charger</b>                        |                     |              |         |                          |              |         |
| USB Charger                               | P7002               | 1,752        | 10      | P7002_PG                 | 2,138        | 10      |
| Livia - A+C Type USB Charger (1M)         | P7003               | 2842         | 10      | P7003_PG*                | 3420         | 10      |
| <b>Accessories</b>                        |                     |              |         |                          |              |         |
| RJ 11 Telephone outlet with shutter       | P4011               | 218          | 20      | P4011_PG                 | 311          | 20      |
| RJ 45 Cat 5e Data outlet with shutter     | P4045               | 745          | 20      | P4045_PG                 | 919          | 20      |
| RJ 45 Cat6 Data outlet with shutter       | P4046               | 829          | 20      | P4046_PG                 | 1,056        | 20      |
| TV socket                                 | P4500               | 210          | 20      | P4500_PG                 | 297          | 20      |
| Blank off unit (1M)                       | P0001               | 59           | 40      | P0001_PG                 | 77           | 40      |
| Foot Lamp with LED                        | P7001               | 899          | 1       | P7001_PG                 | 1,108        | 1       |
| Cord Outlet                               | P4550               | 276          | 20      | P4550_PG                 | 339          | 20      |
| LED Phase Indicator                       | P5001               | 372          | 20      | -                        | -            | -       |
| <b>Hotel Series</b>                       |                     |              |         |                          |              |         |
| DND Switch                                | P6002               | 306          | 20      | P6002_PG                 | 373          | 20      |
| MMR Switch                                | P6004               | 306          | 20      | P6004_PG                 | 373          | 20      |
| DND & MMR Indicator                       | P6013               | 863          | 20      | P6013_PG                 | 1,210        | 20      |
| 20A Key Card Switch - Electronic (3M)     | P6005               | 4,685        | 1       | P6005_PG                 | 6,541        | 1       |
| <b>Cover Plates</b>                       |                     |              |         |                          |              |         |
| 1-2 M Grid & 1 M Cover Frame              | P0701               | 149          | 15      | P0701_PG                 | 203          | 15      |
| 1-2 M Grid & 2 M Cover Frame              | P0702               | 149          | 15      | P0702_PG                 | 186          | 15      |
| 3 M Grid & 3 M Cover Frame                | P0703               | 189          | 10      | P0703_PG                 | 219          | 10      |
| 4 M Grid & 4 M Cover Frame                | P0704               | 219          | 8       | P0704_PG                 | 270          | 8       |
| 6 M Grid & 6 M Cover Frame                | P0706               | 276          | 5       | P0706_PG                 | 357          | 5       |
| 8 M Grid & 8 M Cover Frame - Horizontal   | P0708               | 363          | 5       | P0708_PG                 | 441          | 5       |
| 8 M Grid & 8 M Cover Frame - Square       | P0709               | 438          | 5       | P0709_PG                 | 615          | 5       |
| 9 M Grid & 9M Cover Frame                 | P07010              | 412          | 5       | P07010_PG                | 569          | 5       |
| 12 M Grid & 12 M Cover Frame              | P0712               | 530          | 5       | P0712_PG                 | 657          | 5       |
| 16 M Grid & 16M Cover Frame               | P07016              | 631          | 5       | P07016_PG                | 753          | 5       |
| 18 M Grid & 18 M Cover Frame              | P0718               | 763          | 5       | P0718_PG                 | 1,071        | 5       |

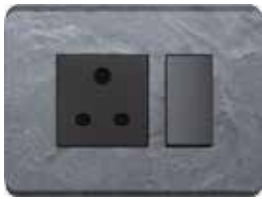
Please contact Customer Care Center for Stockable and Non stockable status of references.

\*\*Livia Dark Grey will be available only till stock last.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Clipsal X - As Stylish As Your World



## Xtra STYLE

- Trendy Dual tone colour and finish
- Contemporary sloped design that blends seamlessly with the wall
- Vibrant and youthful colours and textured finishes that can stand out or blend in
- Textured finishes to match most Indian decors – Wood, Slate & Leather

## Xtra STRONG

- Made to last for more than 1 Million Clicks
- 10A rated switches to enable Grouping – add as many loads as you want
- UV Stabilized to avoid decoloring

## Xtra COMFORT

- Least noise level for unobtrusive switching
- Smooth finish which avoids light reflection off the surface
- Glossy Band making it Easy to Clean
- Large plate overhang to hide wall & paint imperfections



CPX101SW1M\_WE



CPX161SWL1M\_WE



CPX20DP2M\_WE



CPX6BP2M\_WE



CPX6SK3PNS\_WE



CPXACUSB1P1M\_WE



CPX5STFAN2M\_WE



CPX21USB1P1M\_WE



CPXACUSB1P1M\_WE



CPXTVCOAX1M\_WE



CPXCORD1M\_WE



CPXDNDIN1M\_WE



CPXMMRIN1M\_WE



CPXKEYCARDSW\_WE

| Description                                 | Reference for White | Unit MRP (₹) | Pack | Reference for Coke Grey | Unit MRP (₹) | Pack |
|---|---------------------|--------------|------|-------------------------|--------------|------|
| <b>Switches</b>                             |                     |              |      |                         |              |      |
| 10AX 1 Way Switch                           | CPX101SW1M_WE       | 127          | 20   | CPX101SW1M_GY           | 226          | 20   |
| 10A X1 Way Switch with Indicator            | CPX101SWL1M_WE      | 311          | 20   | CPX101SWL1M_GY          | 368          | 1    |
| 10AX 2 Way Switch                           | CPX102SW1M_WE       | 264          | 20   | CPX102SW1M_GY           | 319          | 20   |
| 16AX 1 Way Switch                           | CPX161SW1M_WE       | 319          | 1    | CPX161SW1M_GY           | 393          | 1    |
| 16AX 1 Way Switch with Indicator            | CPX161SWL1M_WE      | 419          | 20   | CPX161SWL1M_GY          | 496          | 20   |
| 16AX 2 Way Switch                           | CPX162SW1M_WE       | 423          | 1    | CPX162SW1M_GY           | 500          | 20   |
| 10AX 1 Way Switch (2M)                      | CPX101SW2M_WE       | 350          | 1    | CPX101SW2M_GY           | 417          | 10   |
| 16AX 1 Way Switch (2M)                      | CPX161SW2M_WE       | 449          | 1    | CPX161SW2M_GY           | 534          | 10   |
| 10AX 1W Switch with Indicator (2M)          | CPX101SWL2M_WE      | 442          | 1    | CPX101SWL2M_GY          | 528          | 10   |
| 16AX 1W Switch with Indicator (2M)          | CPX161SWL2M_WE      | 516          | 1    | CPX161SWL2M_GY          | 637          | 10   |
| 20A DP Switch with Indicator (2M)           | CPX20DP2M_WE        | 710          | 1    | CPX20DP2M_GY            | 828          | 1    |
| 32A DP Switch with Indicator (2M)           | CPX32DP2M_WE        | 1,080        | 1    | CPX32DP2M_GY*           | 1,634        | 10   |
| <b>Motor Starter Switch</b>                 |                     |              |      |                         |              |      |
| 25A Motor Starter Switch                    | CPXMTSTART2M_WE     | 1,224        | 10   | CPXMTSTART2M_GY         | 2,267        | 10   |
| <b>Bell Press</b>                           |                     |              |      |                         |              |      |
| 6A Bell Push                                | CPX6BP1M_WE         | 297          | 20   | CPX6BP1M_GY             | 340          | 1    |
| 6A Bell Push (2M)                           | CPX6BP2M_WE         | 451          | 10   | CPX6BP2M_GY             | 527          | 1    |
| 6A Bell Push with Indicator                 | CPX6BPL1M_WE        | 411          | 1    | CPX6BPL1M_GY            | 491          | 20   |
| 6A Bell Push with Indicator (2M)            | CPX6BPL2M_WE        | 491          | 1    | CPX6BPL2M_GY            | 558          | 10   |
| <b>Sockets</b>                              |                     |              |      |                         |              |      |
| 6A 3P Socket Outlet with Shutter (BIS Std.) | CPX6SK3PNS_WE       | 337          | 10   | CPX6SK3PNS_GY           | 382          | 10   |
| 6A/16A 3P Socket with Shutter               | CPX616SK_WE         | 510          | 10   | CPX616SK_GY             | 576          | 10   |
| <b>Fan Regulators and Dimmers</b>           |                     |              |      |                         |              |      |
| 5-Step Fan Regulator (2M)                   | CPX5STFAN2M_WE      | 1,133        | 1    | CPX5STFAN2M_GY          | 1,356        | 5    |
| 4-Step Fan Regulator (1M), White            | CPX4STFAN1M_WE      | 1,033        | 10   | CPX4STFAN1M_GY          | 1,237        | 10   |
| 400W Dimmer (1M)                            | CPXDIM1M_WE         | 1,116        | 1    | CPXDIM1M_GY             | 1,274        | 1    |
| 400W Dimmer (2M)                            | CPXDIM2M_WE         | 1,651        | 1    | CPXDIM2M_GY             | 2,065        | 1    |
| 1200W Dimmer                                | CPXDIM2M_1200_WE    | 2,125        | 1    | CPXDIM2M_1200_GY        | 2,548        | 5    |
| <b>USB Chargers</b>                         |                     |              |      |                         |              |      |
| 2.1A USB Charger (1M)                       | CPX21USB1P1M_WE     | 1,836        | 1    | CPX21USB1P1M_GY         | 2,168        | 1    |
| 2.1A USB Charger (2M)                       | CPX21USB2P2M_WE     | 2,585        | 15   | CPX21USB2P2M_GY         | 3,716        | 15   |
| 2.4A A+C USB Charger(1M)                    | CPXACUSB1P1M_WE     | 3,134        | 10   | CPXACUSB1P1M_GY         | 3,382        | 10   |
| <b>Accessories</b>                          |                     |              |      |                         |              |      |
| RJ11 Tel Outlet, No Shutter                 | CPXRJ11NS1M_WE      | 276          | 5    | CPXRJ11NS1M_GY          | 334          | 5    |
| RJ11 Tel Outlet with Shutter                | CPXRJ11_1M_WE       | 267          | 5    | CPXRJ11_1M_GY           | 319          | 5    |
| Twin RJ11 Tel Outlets (1M)                  | CPXRJ11TW1M_WE      | 415          | 12   | CPXRJ11TW1M_GY          | 506          | 12   |
| RJ45 Data Outlet with Shutter               | CPXRJ451M_WE        | 913          | 12   | CPXRJ451M_GY            | 1,070        | 12   |
| TV Socket                                   | CPXTVCOAX1M_WE      | 250          | 5    | CPXTVCOAX1M_GY          | 305          | 5    |
| RJ45 Cover for Keystone Type                | CPXRJ45KS1M_WE      | 313          | 5    | CPXRJ45KS1M_GY          | 384          | 5    |
| Gripped Cord Outlet                         | CPXCORD1M_WE        | 298          | 5    | CPXCORD1M_GY            | 342          | 10   |
| Foot Light with LED                         | CPXFTLP2M_WE        | 1,172        | -    | CPXFTLP2M_GY            | 1,393        | -    |
| Buzzer                                      | CPXBUZZ2M_WE        | 1,224        | -    | CPXBUZZ2M_GY            | 1,283        | 2    |
| Blank Off Unit (1M)                         | CPXBLANK1M_WE       | 70           | -    | CPXBLANK1M_GY           | 94           | 5    |
| <b>Neon Phase Indicator</b>                 |                     |              |      |                         |              |      |
| Neon Phase Indicator (Green)                | CPXPHASEG1M         | 438          | 12   | -                       | -            | -    |
| Neon Phase Indicator (Red)                  | CPXPHASER1M         | 438          | 12   | -                       | -            | -    |
| Neon Phase Indicator (Red)                  | CPXPHASEY1M         | 438          | 12   | -                       | -            | -    |
| <b>Hotel Series</b>                         |                     |              |      |                         |              |      |
| DND Indicator                               | CPXDNDIN1M_WE       | 650          | 12   | -                       | -            | -    |
| DND Switch                                  | CPXDNDSW1M_WE       | 510          | 1    | CPXDNDSW1M_GY           | 603          | 1    |
| MMR Indicator                               | CPXMMRIN1M_WE       | 650          | 12   | -                       | -            | -    |
| MMR Switch                                  | CPXMMRSW1M_WE       | 510          | 1    | CPXMMRSW1M_GY           | 603          | 20   |
| 16A Electronic Keycard Switch               | CPXKEYCARDSW_WE     | 5,926        | 1    | CPXKEYCARDSW_GY         | 6,686        | 1    |
| Shaver Socket Horizontal                    | CPXSHAVER_WE        | 6,126        | 1    | CPXSHAVER_GY            | 7,227        | 1    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Clipsal X - As Stylish As Your World



White



Coke Grey



Metallic Copper



Charcoal Black

| Description                          | Reference for White | Unit MRP [₹] | Pack | Reference for Coke Grey | Unit MRP [₹] | Pack | Reference for Metallic Copper | Unit MRP [₹] | Pack | Reference for Charcoal Black | Unit MRP [₹] | Pack |
|--------------------------------------|---------------------|--------------|------|-------------------------|--------------|------|-------------------------------|--------------|------|------------------------------|--------------|------|
| <b>Cover Plates</b>                  |                     |              |      |                         |              |      |                               |              |      |                              |              |      |
| 1M or 2M Grid & 1M Cover Frame       | CPXCP1M_WE          | 173          | 1    | CPXCP1M_GY              | 296          | 10   | CPXCP1M_MC                    | 344          | 10   | CPXCP1M_CB                   | 344          | 10   |
| 1M or 2M Grid & 2M Cover Frame       | CPXCP2M_WE          | 187          | 10   | CPXCP2M_GY              | 319          | 10   | CPXCP2M_MC                    | 373          | 10   | CPXCP2M_CB                   | 373          | 10   |
| 3M Grid & 3M Cover Frame             | CPXCP3M_WE          | 215          | 10   | CPXCP3M_GY              | 363          | 10   | CPXCP3M_MC                    | 426          | 10   | CPXCP3M_CB                   | 426          | 10   |
| 3M Uni Grid & 3M Cover Frame         | CPXCP3MU_WE         | 255          | 10   | CPXCP3MU_GY             | 451          | 10   | CPXCP3MU_MC                   | 484          | 1    | CPXCP3MU_CB                  | 505          | 1    |
| 4M Grid & 4M Cover Frame             | CPXCP4M_WE          | 253          | 1    | CPXCP4M_GY              | 429          | 10   | CPXCP4M_MC                    | 501          | 10   | CPXCP4M_CB                   | 501          | 10   |
| 6M Grid & 6M Cover Frame             | CPXCP6M_WE          | 367          | 5    | CPXCP6M_GY              | 623          | 5    | CPXCP6M_MC                    | 729          | 1    | CPXCP6M_CB                   | 729          | 1    |
| 8M Grid & 8M Cover Frame, Horizontal | CPXCP8ML_WE         | 454          | 1    | CPXCP8ML_GY             | 772          | 5    | CPXCP8ML_MC                   | 903          | 5    | CPXCP8ML_CB                  | 903          | 5    |
| 8M Grid & 8M Cover Frame, Square     | CPXCP8MSQ_WE        | 491          | 1    | CPXCP8MSQ_GY            | 955          | 1    | CPXCP8MSQ_MC                  | 1066         | 1    | CPXCP8MSQ_CB                 | 1066         | 1    |
| 9M Cover Frame                       | CPXCP9M_WE          | 484          | 5    | CPXCP9M_GY              | 817          | 5    | -                             | -            | -    | -                            | -            | -    |
| 9M Grid & 9M Cover Frame             | -                   | -            | -    | -                       | -            | -    | -                             | -            | -    | CPXCP9M_CB                   | 1235         | 5    |
| 12M Grid & 12M Cover Frame           | CPXCP12M_WE         | 555          | 1    | CPXCP12M_GY             | 1120         | 1    | CPXCP12M_MC                   | 1254         | 5    | CPXCP12M_CB                  | 1254         | 5    |
| 16M Cover Frame                      | CPXCP16M_WE         | 668          | 5    | CPXCP16M_GY             | 1090         | 5    | -                             | -            | -    | -                            | -            | -    |
| 18M Grid & 18M Cover Frame           | CPXCP18M_WE         | 858          | 5    | -                       | -            | -    | -                             | -            | -    | -                            | -            | -    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



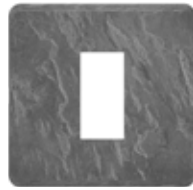
# Clipsal X - As Stylish As Your World



Sheesham



Rich Leather



Slate

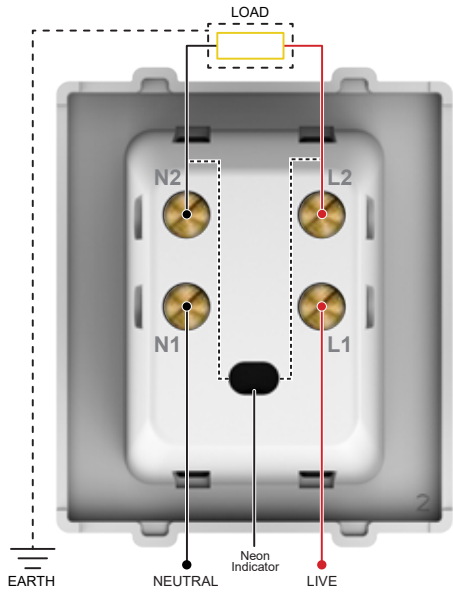
| Description                          | Reference for Sheesham | Unit MRP [₹] | Pack | Reference for Metallic Rich Leather | Unit MRP [₹] | Pack | Reference for Slate | Unit MRP [₹] | Pack |
|--------------------------------------|------------------------|--------------|------|-------------------------------------|--------------|------|---------------------|--------------|------|
| <b>Cover Plates</b>                  |                        |              |      |                                     |              |      |                     |              |      |
| 1M or 2M Grid & 1M Cover Frame       | CPXCP1M_SH             | 544          | 10   | CPXCP1M_RL                          | 544          | 10   | CPXCP1M_SL          | 544          | 10   |
| 1M or 2M Grid & 2M Cover Frame       | CPXCP2M_SH             | 589          | 1    | CPXCP2M_RL                          | 589          | 1    | CPXCP2M_SL          | 589          | 1    |
| 3M Grid & 3M Cover Frame             | CPXCP3M_SH             | 673          | 10   | CPXCP3M_RL                          | 673          | 10   | CPXCP3M_SL          | 673          | 10   |
| 3M Uni Grid & 3M Cover Frame         | CPXCP3MU_SH            | 764          | 1    | CPXCP3MU_RL                         | 797          | 1    | CPXCP3MU_SL         | 764          | 1    |
| 4M Grid & 4M Cover Frame             | CPXCP4M_SH             | 792          | 1    | CPXCP4M_RL                          | 792          | 1    | CPXCP4M_SL          | 792          | 1    |
| 6M Grid & 6M Cover Frame             | CPXCP6M_SH             | 1150         | 1    | CPXCP6M_RL                          | 1150         | 1    | CPXCP6M_SL          | 1150         | 1    |
| 8M Grid & 8M Cover Frame, Horizontal | CPXCP8ML_SH            | 1427         | 5    | CPXCP8ML_RL                         | 1427         | 5    | CPXCP8ML_SL         | 1427         | 5    |
| 8M Grid & 8M Cover Frame, Square     | CPXCP8MSQ_SH           | 1685         | 1    | CPXCP8MSQ_RL                        | 1685         | 1    | CPXCP8MSQ_SL        | 1685         | 1    |
| 12M Grid & 12M Cover Frame           | CPXCP12M_SH            | 1979         | 5    | CPXCP12M_RL                         | 1979         | 5    | CPXCP12M_SL         | 1979         | 5    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

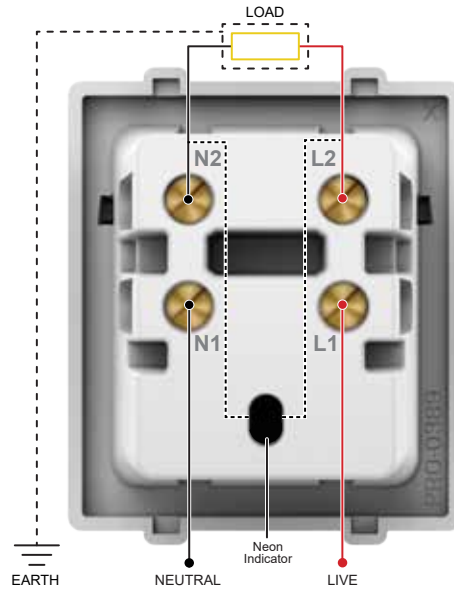
NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

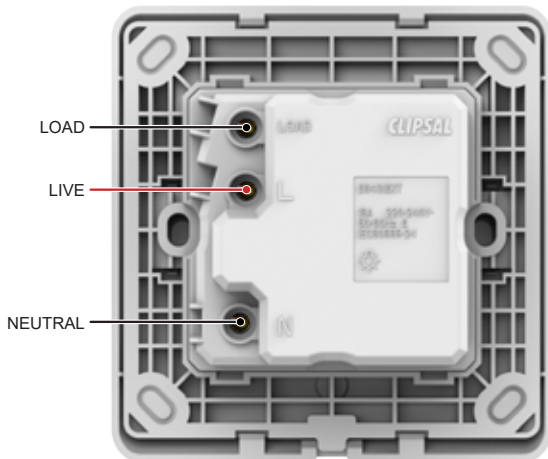
# Wiring Diagram Clipsal X



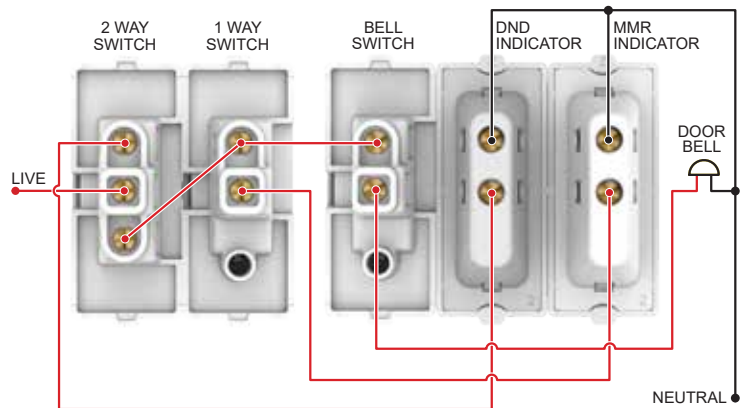
> 20A DP Switch with Indicator (2M)  
CPX20DP2M\_WE, CPX20DP2M\_GY



> 32A DP Switch with Indicator (2M)  
CPX32DP2M\_WE, CPX32DP2M\_GY



> 16A Electronic Keycard Switch  
CPXKEYCARDSW\_WE, CPXKEYCARDSW\_GY



> DND Switch > MMR Switch  
> DND Indicator > MMR indicator  
CPXDND1M\_WE, CPXDND1M\_GY,  
CPXMMRSW1M\_WE, CPXMMRSW1M\_GY,  
CPXDNDIN1M\_WE, CPXMMRIN1M\_WE

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Opale - Switches with Satin Finish



- **Patented Smooth Satin Finish** - Scratch Resistant, Easy to Clean & Prevents light reflection off surface
- **Safe to Use** - High grade flame retardant polycarbonate material & Child Proof sockets with unique shutter design
- **Hassle Free Operation** - 'Soft sound' switches with Gold plated Data Socket contacts for better connection
- **Easy to Install** - Snap-In / Snap-Out front loading modules and terminals with indented screws
- **Green & Eco Friendly** - RoHS compliant range



X1001WH



X1286WH



X1186WH



X1005WH



X1085WH



X2005WHNS



X2106WH



X4020WH



X3200WH



X3104WH



X4010WH



X7003WH



X5001



X5002

| Description                                   | Reference for White | Unit MRP [₹] | Pack | Reference for Coke Grey | Unit MRP [₹] | Pack |
|---|---------------------|--------------|------|-------------------------|--------------|------|
| <b>Switches</b>                               |                     |              |      |                         |              |      |
| 6AX 1 way switch                              | X1001WH             | 227          | 20   | AAKY1001                | 288          | 20   |
| 6AX 1 way switch with Indicator lamp          | X1081WH             | 392          | 20   | AAKY1081                | 464          | 20   |
| 6AX 2 way switch                              | X1002WH             | 313          | 20   | AAKY1002                | 421          | 20   |
| 16AX 1 way switch                             | X1101WH             | 365          | 20   | AAKY1101                | 457          | 20   |
| 16AX 1 way switch with Indicator lamp         | X1181WH             | 512          | 20   | AAKY1181                | 604          | 20   |
| 16AX 2 way switch                             | X1102WH             | 492          | 20   | AAKY1102                | 631          | 20   |
| 6AX 1 way switch (2M)                         | X1021WH             | 431          | 10   | AAKY1021                | 666          | 10   |
| 16AX 1 way switch (2M)                        | X1121WH             | 520          | 10   | AAKY1121                | 671          | 10   |
| 6AX 1 way switch                              | X1001WH             | 227          | 20   | -                       | -            | -    |
| 16AX 1 way switch with Indicator (2M)         | X1128WH             | 650          | 10   | AAKY1128                | 982          | 10   |
| 20A DP switch with Indicator (2M)             | X1286WH             | 846          | 10   | AAKY1286                | 1,090        | 10   |
| 32A DP switch (2M)                            | AAKX1232            | 1,259        | 10   | -                       | -            | -    |
| <b>Motor Starter Switch</b>                   |                     |              |      |                         |              |      |
| 25A Motor Starter switch                      | X1186WH             | 2,201        | 10   | AAKY1186                | 2,864        | 10   |
| <b>Bell Push</b>                              |                     |              |      |                         |              |      |
| 6A Bell Push                                  | X1005WH             | 353          | 20   | AAKY1005                | 469          | 20   |
| 6A Bell Push (2M)                             | X1025WH             | 506          | 10   | AAKY1025                | 666          | 10   |
| 6A Bell Push with Indicator                   | X1085WH             | 509          | 20   | AAKY1085                | 790          | 20   |
| 6A Bell Push with Indicator (2M)              | X1086WH             | 579          | 10   | AAKY1086                | 894          | 10   |
| <b>Sockets</b>                                |                     |              |      |                         |              |      |
| 6A 3Pin Socket outlet with Shutter (BIS)      | X2005WHNS           | 384          | 10   | AAKY2005NS              | 464          | 10   |
| 6A/16A 3-Pin Socket Outlet with Shutter       | X2106WH             | 588          | 10   | AAKY2106                | 700          | 10   |
| 16A 3-Pin Socket Outlet with Shutter          | X2103WH             | 661          | 10   | AAKY2103                | 861          | 10   |
| <b>Fan Regulators &amp; Dimmers</b>           |                     |              |      |                         |              |      |
| Step Fan Regulator (1M)                       | X3100WH             | 985          | 10   | AAKY3100                | 1,206        | 10   |
| Step type fan regulator (2M)                  | X3200WH             | 1,381        | 5    | AAKY3200                | 1,651        | 5    |
| Dimmer 400W (1M)                              | X3104WH             | 1,236        | 10   | AAKY3104                | 1,608        | 10   |
| Dimmer 400W (2M)                              | X3004WH             | 1,923        | 5    | AAKY3004                | 3,182        | 5    |
| <b>USB Chargers</b>                           |                     |              |      |                         |              |      |
| 2 Gang USB Charger - 2.1A (2M)                | X7003WH             | 3,635        | 15   | AAKY7003                | 4,332        | 15   |
| <b>Accessories</b>                            |                     |              |      |                         |              |      |
| RJ11 Telephone outlet (no shutter)            | X4010WH             | 318          | 10   | -                       | 390          | -    |
| RJ11 Telephone outlet with shutter            | X4011WH             | 316          | 10   | AAKY4011                | 421          | 10   |
| Twin RJ11 Telephone outlets (no shutter) (1M) | X4020WH             | 482          | 10   | AAKY4020                | 813          | 20   |
| RJ45 Data Outlet with shutter                 | X4045WH             | 1,088        | 20   | AAKY4045                | 1,303        | 20   |
| TV Socket                                     | X4500WH             | 296          | 10   | AAKY4500                | 401          | 10   |
| RJ45 Cover for Key Stone Type                 | X4050WH             | 395          | 10   | AAKY4050                | 480          | -    |
| Gripped Cord Outlet                           | X4550WH             | 357          | 10   | -                       | 396          | -    |
| Buzzer  | X3300WH             | 1,353        | 2    | AAKY3300                | 1,617        | 2    |
| Blank off unit (1M)                           | X0001WH             | 84           | 10   | AAKY0001                | 119          | 20   |
| Neon Phase Indicator (Red)                    | X5001               | 512          | 20   | -                       | -            | -    |
| Neon Phase Indicator (Green)                  | X5002               | 554          | 20   | -                       | -            | -    |
| Neon Phase Indicator (Yellow)                 | X5003               | 554          | 20   | -                       | -            | -    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑️ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Opale - Switches with Satin Finish



AAKX6002 + AAKX6004 + X0702



AAKX6006 + X0703



AAKX6005

| Description                           | Reference | Unit MRP [₹] | Pack |
|---------------------------------------|-----------|--------------|------|
| <b>Hotel Series*</b>                  |           |              |      |
| DND Panel                             | AAKX6001  | 861          | 20   |
| DND Switch                            | AAKX6002  | 671          | 20   |
| MMR Panel                             | AAKX6003  | 813          | 20   |
| MMR Switch                            | AAKX6004  | 671          | 20   |
| Key Tag Switch (Mechanical Type 20 A) | AAKX6005  | 1,617        | 1    |
| Shaver Socket                         | AAKX6006  | 7,137        | 1    |

\*Available in white colour only



X0733WH



AAKX0744



AAKX0754

| Description                             | Reference for White | Unit MRP [₹] | Pack | Reference for Coke Grey | Unit MRP [₹] | Pack | Reference for Matt Silver | Unit MRP [₹] | Pack | Reference for Matt Gold | Unit MRP [₹] | Pack |
|---|---------------------|--------------|------|-------------------------|--------------|------|---------------------------|--------------|------|-------------------------|--------------|------|
| <b>Cover Plates</b>                     |                     |              |      |                         |              |      |                           |              |      |                         |              |      |
| 1-2 M Grid & 1 M Cover Frame            | X0701               | 207          | 10   | AAKY0801                | 273          | 10   | AAKX0741                  | 676          | 10   | AAKX0751                | 676          | 10   |
| 1-2 M Grid & 2 M Cover Frame            | X0702               | 219          | 10   | AAKY0802                | 287          | 10   | AAKX0742                  | 570          | 10   | AAKX0752                | 570          | 10   |
| 3 M Grid & 3 M Cover Frame              | X0703               | 259          | 10   | AAKY0803                | 316          | 10   | AAKX0743                  | 681          | 10   | AAKX0753                | 681          | 10   |
| 3 M Universal Grid & 3 M Cover Frame    | X0733WH             | 372          | 10   | AAKY0833                | 567          | 10   | AAKX0744                  | 868          | 10   | AAKX0754                | 868          | 10   |
| 4 M Grid & 4 M Cover Frame              | X0704               | 304          | 10   | AAKY0804                | 406          | 10   | AAKX0745                  | 813          | 10   | AAKX0755                | 1,036        | 10   |
| 6 M Grid & 6 M Cover Frame              | X0706               | 423          | 5    | AAKY0806                | 502          | 5    | AAKX0746                  | 1,284        | 5    | AAKX0756                | 1,008        | 5    |
| 8 M Grid & 8 M Cover Frame - Horizontal | X0708               | 551          | 5    | AAKY0808                | 654          | 5    | AAKX0747                  | 1,673        | 5    | AAKX0757                | 1,313        | 5    |
| 8 M Grid & 8 M Cover Frame - Square     | X0709               | 651          | 5    | AAKY0809                | 845          | 5    | AAKX0748                  | 1,673        | 5    | AAKX0758                | 1,673        | 5    |
| 12 M Grid & 12 M Cover Frame            | X0712               | 766          | 5    | AAKY0812                | 991          | 5    | AAKX0749                  | 2,288        | 5    | AAKX0759                | 1,795        | 5    |
| 18 M Grid & 18 M Cover Frame            | AAKX0718            | 998          | 5    | -                       | -            | -    | -                         | -            | -    | -                       | -            |      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Unica Pure - Irresistibly Beautiful



Wood



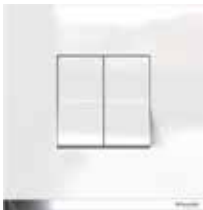
Glass



Metal Rhodium Black



Sandy Beige



Polar White



Volcanic Grey



Pearl Black



Pewter Grey



Oak

## Irresistibly Beautiful

- Authentic finishes - developed from the high quality natural material
- Ingenious Design - Demarcated dolly depicting clear on/off mode of the switch
- Modish Colors - perfectly gel with neutral, accent wall colors and blends perfectly with any decor

## Irresistibly Safe & Sturdy

- Self Piercing Terminal - ensuring completely safe, robust and fast installation
- Facile & Guarded Technology - reduces tension in the switch rocker & increases the longevity of the switch
- Plated metal with Plastic over molded Gridplate - Robust, rigid & shock proof gridplate, ensuring durable installation on the metal box

## Irresistibly Easy

- Key Hole Feature - Angular and linear adjustments of the gridplate can be easily achieved
- Revolutionary Ease of Mounting with Indicators & Markings

## Irresistibly Sustainable

- Green Premium - Complies to HIGHEST INTERNATIONAL STANDARD of Green
- Certification for manufactured products (RoHS, REACH, PEP, EoLI) and is 100% Recyclable

## Irresistibly Innovative

- Future Ready - Features of Voice & Mobile control to fit with smart homes

## Irresistibly Versatile

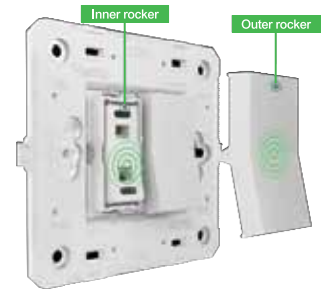
- One Stop Shop - Extensive range covering residential, office, commercial or hospitality
- **Intermediate switches to control multiple 2way switches**

## Unica Pure switches with six patented technologies



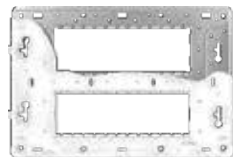
### Life Guarded Sockets

Eliminate possibility of Single Pin Insertion making it extra safe for children



### Facile & Guarded Technology

Reduces tension in the switch rocker & increases the longevity of the switch



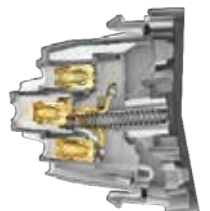
### Key Hole Feature

Angular and linear adjustments of the gridplate can be easily achieved



### Adjoining (V) Feature Technology

Ensuring perfect alignment of switches



### Self-piercing Terminal

Ensuring completely safe, robust and fast installation

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Unica Pure - Irresistibly Beautiful



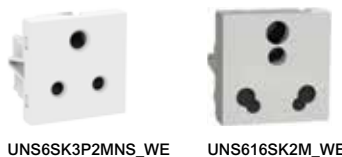
UNS61SW1M\_WE

UNS161SWL1M\_WE



UNS162MSWL1M\_WE

UNS10SW1M\_WE



UNS6SK3P2MNS\_WE

UNS616SK2M\_WE



UNS162SW2M\_WE

UNSMTSTART2M\_WE



UNS21USB2P2M\_WE

UNS21USB1P1M\_WE



UNS5STFAN2M\_WE

UNSLEDDIM1M\_WE



UNSEMERGENCY2M\_WE UNSACUSB1P1M\_WE



UNSHDMI\_WE

UNSCPTVDIG1M\_WE



UNSSKTLT2M\_WE

UNSDM1M

| Description                                     | Reference for Polar White | Unit MRP [₹] | Pack | Reference for Volcanic Grey | Unit MRP [₹] | Pack |
|---|---------------------------|--------------|------|-----------------------------|--------------|------|
| <b>6A Switches</b>                              |                           |              |      |                             |              |      |
| 6AX 1 Way Switch                                | UNS61SW1M_WE              | 214          | 20   | UNS61SW1M_GY                | 246          | 20   |
| 6AX 1 Way Switch With Indicator                 | UNS61SWL1M_WE             | 373          | 20   | UNS61SWL1M_GY               | 428          | 20   |
| 6AX 2 Way Switch                                | UNS62SW1M_WE              | 305          | 10   | UNS62SW1M_GY                | 341          | 10   |
| <b>6A Intermediate Switches</b>                 |                           |              |      |                             |              |      |
| 10AX Intermediate Switch                        | UNS10SW1M_WE              | 1,337        | 1    | UNS10SW1M_GY                | 1,612        | 1    |
| <b>16AX Switches</b>                            |                           |              |      |                             |              |      |
| 16AX 1 Way Switch                               | UNS161SW1M_WE             | 356          | 20   | UNS161SW1M_GY               | 416          | 20   |
| 16AX 1 Way Switch With Indicator                | UNS161SWL1M_WE            | 426          | 20   | UNS161SWL1M_GY              | 496          | 20   |
| 16AX 2 Way Switch, Polar White                  | UNS162SW1M_WE             | 463          | 10   | UNS162SW1M_GY               | 545          | 10   |
| 16A Master Switch, 2 Way, With Locator & Label  | UNS162MSWL1M_WE           | 1,069        | 20   | UNS162MSWL1M_GY             | 1,263        | 1    |
| 16Ax 2 Way 2M Switch                            | UNS162SW2M_WE             | 463          | 10   | UNS162SW2M_GY               | 550          | 10   |
| <b>Double Pole Switches</b>                     |                           |              |      |                             |              |      |
| 20A Double Pole Switch With Indicator           | UNS20DP2M_WE              | 843          | 10   | UNS20DP2M_GY                | 992          | 1    |
| 32A Double Pole Switch With Indicator           | UNS32DP2M_WE              | 1,289        | 10   | UNS32DP2M_GY                | 1,537        | 10   |
| <b>Motor Starter Switch</b>                     |                           |              |      |                             |              |      |
| Motor Starter                                   | UNSMTSTART2M_WE           | 1,884        | 10   | UNSMTSTART2M_GY             | 2,229        | 10   |
| <b>Bell Switches</b>                            |                           |              |      |                             |              |      |
| 6A Bellpress, 1M                                | UNS6BP1M_WE               | 316          | 20   | UNS6BP1M_GY                 | 370          | 20   |
| 6A Bellpress With Indicator, 1M                 | UNS6BPL1M_WE              | 429          | 20   | UNS6BPL1M_GY                | 510          | 1    |
| 6A Bellpress, 2M, Polar White                   | UNS6BP2M_WE               | 426          | 10   | UNS6BP2M_GY                 | 500          | 1    |
| 6A Bellpress With Indicator, 2M                 | UNS6BPL2M_WE              | 525          | 10   | UNS6BPL2M_GY                | 616          | 1    |
| <b>6A Sockets</b>                               |                           |              |      |                             |              |      |
| 6A 3PIN Sockets outlet with Shutter (BIS)       | UNS6SK3P2MNS_WE           | 450          | 10   | UNS6SK3P2MNS_GY             | 496          | 10   |
| <b>6/16A Sockets</b>                            |                           |              |      |                             |              |      |
| 6/16A Socket                                    | UNS616SK2M_WE             | 527          | 10   | UNS616SK2M_GY               | 655          | 10   |
| <b>USB Chargers</b>                             |                           |              |      |                             |              |      |
| 2.1A 5V USB Charger, 2 Module                   | UNS21USB2P2M_WE           | 3,138        | 10   | UNS21USB2P2M_GY             | 3,709        | 1    |
| 2.1A 5V USB Charger, 1 Module                   | UNS21USB1P1M_WE           | 2,210        | 20   | UNS21USB1P1M_GY             | 2,620        | 20   |
| 2.4A 5V A+C USB Charger, 1 Module               | UNSACUSB1P1M_WE           | 3,410        | 10   | UNSACUSB1P1M_GY             | 3,834        | 10   |
| <b>Blank Plates</b>                             |                           |              |      |                             |              |      |
| Single Module Blank Plate                       | UNSBLANK1M_WE             | 77           | 20   | UNSBLANK1M_GY               | 85           | 20   |
| <b>Fan Regulators</b>                           |                           |              |      |                             |              |      |
| 4 Steps 360 Deg Fan Regulator, 1M               | UNS4STFAN1M_WE            | 924          | 20   | UNS4STFAN1M_GY              | 1,071        | 20   |
| 5 Steps 360 Deg Fan Regulator, 2M               | UNS5STFAN2M_WE            | 1,465        | 10   | UNS5STFAN2M_GY              | 1,653        | 10   |
| <b>Dimmers</b>                                  |                           |              |      |                             |              |      |
| 400W Dimmer for Incandescent, 1M                | UNSDIM1M_WE               | 1,379        | 10   | UNSDIM1M_GY                 | 2,062        | 10   |
| 100W Dimmer for LED, 1M                         | UNSLEDDIM1M_WE            | 4,708        | 1    | UNSLEDDIM1M_GY              | 5,625        | 10   |
| <b>Emergency Light Indicator</b>                |                           |              |      |                             |              |      |
| Emergency Light Module*                         | UNSEMERGENCY2M_WE         | 9,894        | 1    | -                           | -            | -    |
| <b>Network, Connectivity &amp; Media Series</b> |                           |              |      |                             |              |      |
| RJ 11 (WITH Shutter)                            | UNSRJ11_1M_WE             | 293          | 20   | UNSRJ11_1M_GY               | 345          | 20   |
| RJ 45 (WITH Shutter), Cat 6                     | UNSRJ45_1M_WE             | 1,071        | 20   | UNSRJ45_1M_GY               | 1,240        | 20   |
| TV Socket Coaxial                               | UNSTVCOAX1M_WE            | 303          | 20   | UNSTVCOAX1M_GY              | 361          | 20   |
| Volume Control                                  | UNSVOLCTRL2M_WE           | 2,343        | 10   | UNSVOLCTRL2M_GY             | 2,793        | 10   |
| HDMI  | UNSHDMI_WE                | 1,997        | 20   | UNSHDMI_GY                  | 2,252        | 20   |
| TV Socket Digital (F-Connector)                 | UNSCPTVDIG1M_WE           | 337          | 1    | UNSCPTVDIG1M_GY             | 405          | 10   |
| Shaver Socket                                   | UNSSHAYER_WE              | 7124         | 1    | UNSSHAYER_GY                | 8391         | 1    |
| PIR Motion Sensor*                              | UNSPIR_WE                 | 9084         | 4    | -                           | -            | -    |
| 1 Socket + 1 Switch Prewired, 3M, Polar White   | UNS1SK1SW3M_WE            | 1679         | 1    | -                           | -            | -    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Unica Pure - Irresistibly Beautiful



UNSEKCSW\_WE



UNSCURTAINSW2M\_WE



UNSSHAVER\_WE



UNSPIR\_WE



UNSPHASEG1M



UNSPHASER1M

| Description                            | Reference for Polar White | Unit MRP [₹] | Pack | Reference for Volcanic Grey | Unit MRP [₹] | Pack |
|--|---------------------------|--------------|------|-----------------------------|--------------|------|
| <b>Hotel Series*</b>                   |                           |              |      |                             |              |      |
| Skirt Light with LED, 2M               | UNSSKTLT2M_WE             | 1,311        | 10   | UNSSKTLT2M_GY               | 1,535        | 10   |
| Buzzer                                 | UNSBUZZER1M_WE            | 2,057        | 10   | UNSBUZZER1M_GY              | 2,255        | 10   |
| Cord Outlet                            | UNSCORD1M_WE              | 381          | 20   | UNSCORD1M_GY                | 424          | 20   |
| Door Chime                             | UNSCHIME2M_WE             | 539          | 10   |                             | -            | -    |
| DND / MMR Indicator*                   | UNSDM1M                   | 1,416        | 20   |                             | -            | -    |
| DND/MMR Indicator v.2                  | UNSDM1M_WE                | 1,637        |      | UNSDM1M_GY                  | 1,870        |      |
| DND Switch                             | UNSDNDSW1M_WE             | 564          | 10   | UNSDNDSW1M_GY               | 688          | 10   |
| MMR Switch                             | UNSMMRSW1M_WE             | 564          | 10   | UNSMMRSW1M_GY               | 688          | 10   |
| Electronic Keycard Switch, White       | UNSEKCSW_WE               | 7,421        | 5    | UNSEKCSW_GY                 | 8,578        | 5    |
| Electronic Keycard Switch, Sandy Beige | UNSEKCSW_CL               | 7,568        | 5    | UNSEKCSW_CD                 | 7,466        | 5    |
| Curtain Control Switch                 | UNSCURTAINSW2M_WE         | 928          | 10   | UNSCURTAINSW2M_GY           | 1,076        | 10   |

| Description                 | Reference   | Unit MRP [₹] | Pack |
|-----------------------------|-------------|--------------|------|
| <b>LED Phase Indicator</b>  |             |              |      |
| LED Phase Indicator, Red    | UNSPHASER1M | 484          | 20   |
| LED Phase Indicator, Green  | UNSPHASEG1M | 484          | 20   |
| LED Phase Indicator, Yellow | UNSPHASEY1M | 484          | 20   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Unica Pure - Irresistibly Beautiful



UNPGP2M



UNPGP6M

| Description                              | Reference for Gridplate | Unit MRP [₹] | Pack |
|--|-------------------------|--------------|------|
| <b>Cover Plates</b>                      |                         |              |      |
| 2Module Gridplate (Fixing Frame) Only    | UNPGP2M                 | 170          | 4    |
| 3Module Gridplate (Fixing Frame) Only    | UNPGP3M                 | 208          | 9    |
| 4Module Gridplate (Fixing Frame) Only    | UNPGP4M                 | 239          | 8    |
| 6Module Gridplate (Fixing Frame) Only    | UNPGP6M                 | 324          | 9    |
| 8M Gridplate (Fixing Frame) Only, Linear | UNPGP8ML                | 335          | 9    |
| 8M Gridplate (Fixing Frame) Only, Square | UNPGP8MSQ               | 429          | 6    |
| 12Module Gridplate (Fixing Frame) Only   | UNPGP12M                | 500          | 6    |



UNPSP2M\_WD



UNPSP6M\_WD

| Description                            | Reference for Oak Wood | Unit MRP [₹] | Pack |
|--|------------------------|--------------|------|
| <b>Cover Plates</b>                    |                        |              |      |
| 1 Module Wood Cover Frame Only         | UNPSP1M_WD             | 2,406        | 6    |
| 2 Module Wood Cover Frame Only         | UNPSP2M_WD             | 2,557        | 6    |
| 3 Module Wood Cover Frame Only         | UNPSP3M_WD             | 3,165        | 6    |
| 4 Module Wood Cover Frame Only         | UNPSP4M_WD             | 3,662        | 6    |
| 6 Module Wood Cover Frame Only         | UNPSP6M_WD             | 5,226        | 3    |
| 8 Module Wood Cover Frame Only, Linear | UNPSP8ML_WD            | 6,350        | 3    |
| 8 Module Wood Cover Frame Only, Square | UNPSP8MSQ_WD           | 7,576        | 6    |
| 12 Module Wood Cover Frame Only        | UNPSP12M_WD            | 10,129       | 6    |



UNPSP2M\_GW



UNPSP6M\_GW

| Description                            | Reference for Aqua Glass | Unit MRP [₹] | Pack |
|--|--------------------------|--------------|------|
| <b>Cover Plates</b>                    |                          |              |      |
| 1Module Aqua Glass Cover Frame Only    | UNPSP1M_GW               | 1,337        | 6    |
| 2Module Aqua Glass Cover Frame Only    | UNPSP2M_GW               | 1,504        | 6    |
| 3Module Aqua Glass Cover Frame Only    | UNPSP3M_GW               | 1,693        | 6    |
| 4Module Aqua Glass Cover Frame Only    | UNPSP4M_GW               | 1,769        | 6    |
| 6Module Aqua Glass Cover Frame Only    | UNPSP6M_GW               | 3,196        | 3    |
| 8M Aqua Glass Cover Frame Only, Linear | UNPSP8ML_GW              | 3,632        | 3    |
| 8M Aqua Glass Cover Frame Only, Square | UNPSP8MSQ_GW             | 4,600        | 6    |
| 12Module Aqua Glass Cover Frame Only   | UNPSP12M_GW              | 5,705        | 6    |

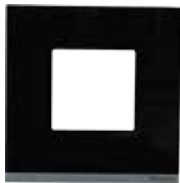
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Unica Pure - Irresistibly Beautiful



UNPSP2M\_GB



UNPSP6M\_GB

| Description                            | Reference for Pearl Black Glass | Unit MRP [₹] | Pack |
|--|---------------------------------|--------------|------|
| <b>Cover Plates</b>                    |                                 |              |      |
| 1M Pearl Black Glass Cover Frame Only  | UNPSP1M_GB                      | 1,583        | 6    |
| 2M Pearl Black Glass Cover Frame Only  | UNPSP2M_GB                      | 1,780        | 6    |
| 3M Pearl Black Glass Cover Frame Only  | UNPSP3M_GB                      | 1,935        | 6    |
| 4M Pearl Black Glass Cover Frame Only  | UNPSP4M_GB                      | 2,097        | 6    |
| 6M Pearl Black Glass Cover Frame Only  | UNPSP6M_GB                      | 3,770        | 3    |
| 8M Pearl Black Glass CF Only, Linear   | UNPSP8ML_GB                     | 4,279        | 3    |
| 8M Pearl Black Glass CF Only, Suare    | UNPSP8MSQ_GB                    | 5,421        | 6    |
| 12M Pearl Black Glass Cover Frame Only | UNPSP12M_GB                     | 6,714        | 6    |

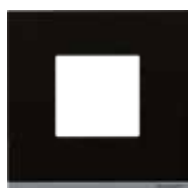


UNPSP2M\_ML



UNPSP6M\_ML

| Description                             | Reference for Pewter Grey Metal | Unit MRP [₹] | Pack |
|---|---------------------------------|--------------|------|
| <b>Cover Plates</b>                     |                                 |              |      |
| 1 Module Pw Grey Metal Cover Frame Only | UNPSP1M_ML                      | 2,377        | 6    |
| 2 Module Pw Grey Metal Cover Frame Only | UNPSP2M_ML                      | 2,638        | 6    |
| 3 Module Pw Grey Metal Cover Frame Only | UNPSP3M_ML                      | 3,002        | 6    |
| 4 Module Pw Grey Metal Cover Frame Only | UNPSP4M_ML                      | 3,156        | 6    |
| 6 Module Pw Grey Metal Cover Frame Only | UNPSP6M_ML                      | 5,589        | 3    |
| 8Module Pw Grey Metal CF Only, Linear   | UNPSP8ML_ML                     | 6,297        | 3    |
| 8 Module Pw Grey Metal CF Only, Suare   | UNPSP8MSQ_ML                    | 7,998        | 6    |
| 12Module Pw Grey Metal Cover Frame Only | UNPSP12M_ML                     | 9,921        | 6    |



UNPSP2M\_MD



UNPSP6M\_MD

| Description                             | Reference for Black Metal | Unit MRP [₹] | Pack |
|---|---------------------------|--------------|------|
| <b>Cover Plates</b>                     |                           |              |      |
| 1Module Rh Black Metal Cover Frame Only | UNPSP1M_MD                | 2,377        | 6    |
| 2Module Rh Black Metal Cover Frame Only | UNPSP2M_MD                | 2,638        | 6    |
| 3Module Rh Black Metal Cover Frame Only | UNPSP3M_MD                | 3,002        | 6    |
| 4Module Rh Black Metal Cover Frame Only | UNPSP4M_MD                | 3,156        | 6    |
| 6Module Rh Black Metal Cover Frame Only | UNPSP6M_MD                | 5,589        | 3    |
| 8Module Rh Black Metal CF Only, Linear  | UNPSP8ML_MD               | 6,297        | 3    |
| 8 Module Rh Black Metal CF Only, Suare  | UNPSP8MSQ_MD              | 7,998        | 6    |
| 12M Rh Black Metal Cover Frame Only     | UNPSP12M_MD               | 9,921        | 6    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Unica Pure - Irresistibly Beautiful



UNPCP3M\_GW



UNPCP6M\_GW



UNPCP3M\_GB



UNPCP6M\_GB

| Description                                   | Reference for Aqua Glass | Unit MRP [₹] | Pack | Reference for Pearl Black Glass | Unit MRP [₹] | Pack |
|---|--------------------------|--------------|------|---------------------------------|--------------|------|
| <b>Cover Plates</b>                           |                          |              |      |                                 |              |      |
| 1 Module Glass Surround and Gridplate         | UNPCP1M_GW*              | 1,512        | 6    | UNPCP1M_GB*                     | 1,758        | 6    |
| 2 Module Glass Surround and Gridplate         | UNPCP2M_GW*              | 1,679        | 6    | UNPCP2M_GB*                     | 1,955        | 6    |
| 3 Module Glass Surround and Gridplate         | UNPCP3M_GW*              | 1,907        | 6    | UNPCP3M_GB*                     | 2,149        | 6    |
| 4 Module Glass Surround and Gridplate         | UNPCP4M_GW*              | 2,015        | 6    | UNPCP4M_GB*                     | 2,344        | 6    |
| 6 Module Glass Surround and Gridplate         | UNPCP6M_GW*              | 3,529        | 3    | UNPCP6M_GB*                     | 4,104        | 3    |
| 8 Module Glass Surround and Gridplate, Linear | UNPCP8ML_GW*             | 3,977        | 3    | UNPCP8ML_GB*                    | 4,623        | 3    |
| 8 Module Glass Surround and Gridplate, Square | UNPCP8MSQ_GW*            | 5,041        | 3    | UNPCP8MSQ_GB*                   | 5,862        | 6    |
| 12 Module Glass Surround and Gridplate        | UNPCP12M_GW*             | 6,219        | 6    | UNPCP12M_GB*                    | 7,228        | 6    |



UNSCP3M\_CL



UNSCP6M\_CL



UNSCP3M\_GY



UNSCP6M\_GY

| Description                                   | Reference for Pewter Grey Metal | Unit MRP [₹] | Pack | Reference for Rhodium Black Metal | Unit MRP [₹] | Pack |
|---|---------------------------------|--------------|------|-----------------------------------|--------------|------|
| <b>Cover Plates</b>                           |                                 |              |      |                                   |              |      |
| 1 Module Metal Surround and Gridplate         | UNPCP1M_ML*                     | 2,552        | 6    | UNPCP1M_MD*                       | 2,552        | 6    |
| 2 Module Metal Surround and Gridplate         | UNPCP2M_ML*                     | 2,813        | 6    | UNPCP2M_MD*                       | 2,813        | 6    |
| 3 Module Metal Surround and Gridplate         | UNPCP3M_ML*                     | 3,216        | 6    | UNPCP3M_MD*                       | 3,216        | 6    |
| 4 Module Metal Surround and Gridplate         | UNPCP4M_ML*                     | 3,402        | 6    | UNPCP4M_MD*                       | 3,402        | 6    |
| 6 Module Metal Surround and Gridplate         | UNPCP6M_ML*                     | 5,923        | 3    | UNPCP6M_MD*                       | 5,923        | 3    |
| 8 Module Metal Surround and Gridplate, Linear | UNPCP8ML_ML*                    | 6,642        | 3    | UNPCP8ML_MD*                      | 6,642        | 3    |
| 8 Module Metal Surround and Gridplate, Square | UNPCP8MSQ_ML*                   | 8,440        | 3    | UNPCP8MSQ_MD*                     | 8,440        | 3    |
| 12 Module Metal Surround and Gridplate        | UNPCP12M_ML*                    | 10,435       | 6    | UNPCP12M_MD*                      | 10,435       | 6    |

\*all real material combined plates shall be discontinued once the existing stock is exhausted.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Unica Pure - Irresistibly Beautiful



UNPCP3M\_WD



UNPCP6M\_WD

| Description                                  | Reference for Oak Wood | Unit MRP [₹] | Pack |
|--|------------------------|--------------|------|
| <b>Real Material Cover Plates</b>            |                        |              |      |
| 1 Module Wood Surround and Gridplate         | UNPCP1M_WD*            | 2,581        | 6    |
| 2 Module Wood Surround and Gridplate         | UNPCP2M_WD*            | 2,732        | 6    |
| 3 Module Wood Surround and Gridplate         | UNPCP3M_WD*            | 3,379        | 6    |
| 4 Module Wood Surround and Gridplate         | UNPCP4M_WD*            | 3,909        | 6    |
| 6 Module Wood Surround and Gridplate         | UNPCP6M_WD*            | 5,560        | 3    |
| 8 Module Wood Surround and Gridplate, Linear | UNPCP8ML_WD*           | 6,695        | 3    |
| 8 Module Wood Surround and Gridplate, Square | UNPCP8MSQ_WD*          | 8,018        | 6    |
| 12 Module Wood Surround and Gridplate        | UNPCP12M_WD*           | 10,643       | 6    |

\*All real material combined plates shall be discontinued once the existing stock is exhausted.



UNSCP3M\_CL



UNSCP6M\_CL



UNSCP3M\_CD



UNSCP6M\_CD



UNSCP3M\_WE



UNSCP6M\_WE



UNSCP3M\_GY



UNSCP6M\_GY

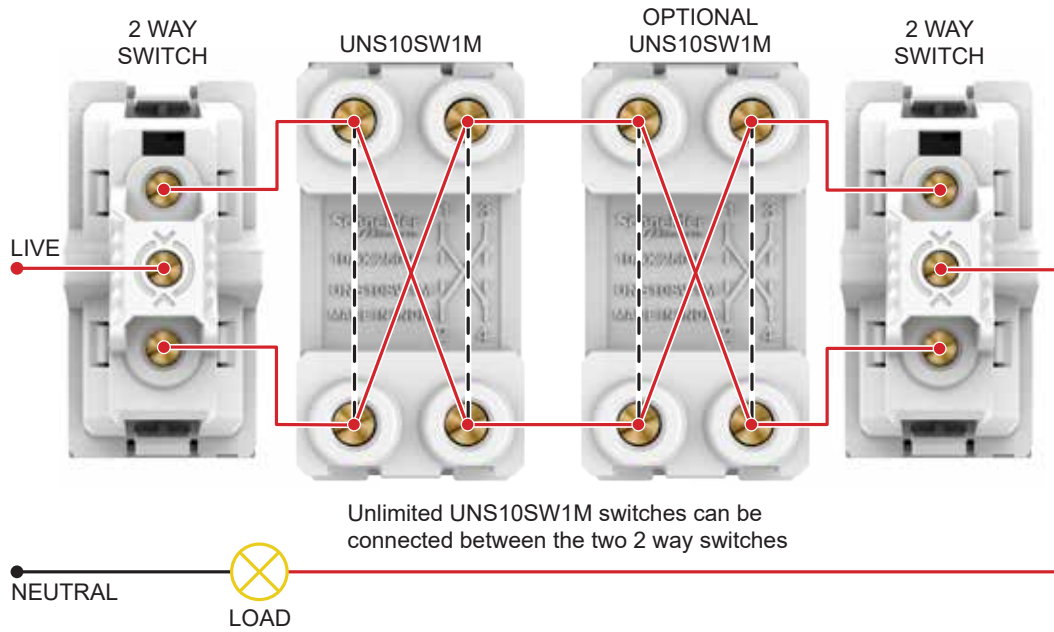
| Description                                     | Reference for Painted Sandy Biege | Unit MRP [₹] | Pack | Reference for Painted Mocha Brown | Unit MRP [₹] | Pack | Reference for Molded Polar White | Unit MRP [₹] | Pack | Reference for Molded Volcanic Grey | Unit MRP [₹] | Pack |
|---|-----------------------------------|--------------|------|-----------------------------------|--------------|------|----------------------------------|--------------|------|------------------------------------|--------------|------|
| <b>Cover Plates</b>                             |                                   |              |      |                                   |              |      |                                  |              |      |                                    |              |      |
| 1 Module Plastic Surround and Gridplate         | UNSCP1M_CL                        | 454          | 20   | UNSCP1M_CD                        | 446          | 20   | UNSCP1M_WE                       | 238          | 20   | UNSCP1M_GY                         | 338          | 20   |
| 2 Module Plastic Surround and Gridplate         | UNSCP2M_CL                        | 515          | 20   | UNSCP2M_CD                        | 497          | 20   | UNSCP2M_WE                       | 265          | 20   | UNSCP2M_GY                         | 378          | 20   |
| 3 Module Plastic Surround and Gridplate         | UNSCP3M_CL                        | 578          | 10   | UNSCP3M_CD                        | 580          | 10   | UNSCP3M_WE                       | 303          | 10   | UNSCP3M_GY                         | 431          | 10   |
| 4 Module Plastic Surround and Gridplate         | UNSCP4M_CL                        | 606          | 14   | UNSCP4M_CD                        | 606          | 14   | UNSCP4M_WE                       | 319          | 14   | UNSCP4M_GY                         | 460          | 14   |
| 6 Module Plastic Surround and Gridplate         | UNSCP6M_CL                        | 1,079        | 5    | UNSCP6M_CD                        | 1,043        | 5    | UNSCP6M_WE                       | 557          | 5    | UNSCP6M_GY                         | 794          | 5    |
| 8 Module Plastic Surround and Gridplate, Linear | UNSCP8ML_CL                       | 1,198        | 5    | UNSCP8ML_CD                       | 1,176        | 5    | UNSCP8ML_WE                      | 627          | 5    | UNSCP8ML_GY                        | 887          | 5    |
| 8 Module Plastic Surround and Gridplate, Square | UNSCP8MSQ_CL                      | 1,489        | 10   | UNSCP8MSQ_CD                      | 1,489        | 10   | UNSCP8MSQ_WE                     | 795          | 10   | UNSCP8MSQ_GY                       | 1,206        | 10   |
| 9 Module Plastic Surround and Gridplate         | -                                 | -            | -    | -                                 | -            | -    | UNSCP9M_WE                       | 993          | 5    | UNSCP9M_GY                         | 1551         | 5    |
| 12 Module Plastic Surround and Gridplate        | UNSCP12M_CL                       | 1,861        | 5    | UNSCP12M_CD                       | 1,864        | 5    | UNSCP12M_WE                      | 1,101        | 5    | UNSCP12M_GY                        | 1,936        | 5    |
| 16 Module Plastic Surround and Gridplate        | UNSCP16M_CL                       | 2,523        | 5    | UNSCP16M_CD                       | 2,523        | 5    | UNSCP16M_WE                      | 1,355        | 5    | UNSCP16M_GY                        | 2,338        | 5    |
| 18 Module Plastic Surround and Gridplate        | UNSCP18M_CL                       | 2,703        | 1    | UNSCP18M_CD                       | 2,703        | 1    | UNSCP18M_WE                      | 1,405        | 1    | UNSCP18M_GY                        | 2,496        | 1    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

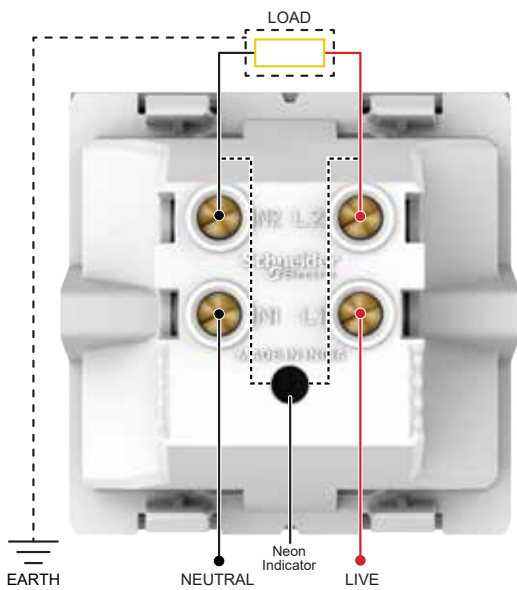
NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

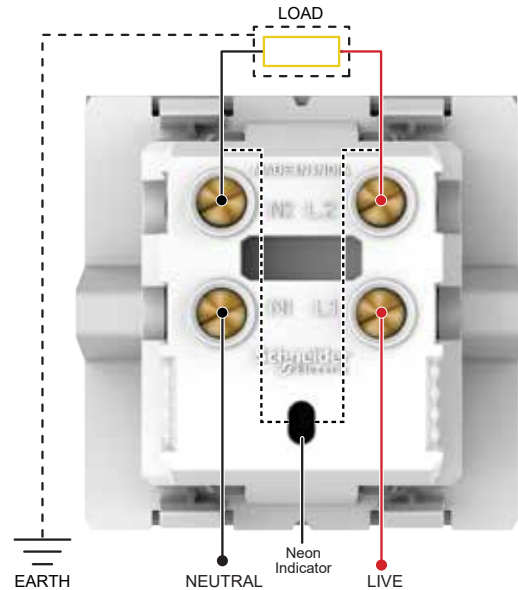
# Wiring Diagram Unica Pure



> 10AX Intermediate Switch  
UNS10SW1M\_WE, UNS10SW1M\_GY



> 20A Double Pole Switch With Indicator  
UNS20DP2M\_WE, UNS20DP2M\_GY



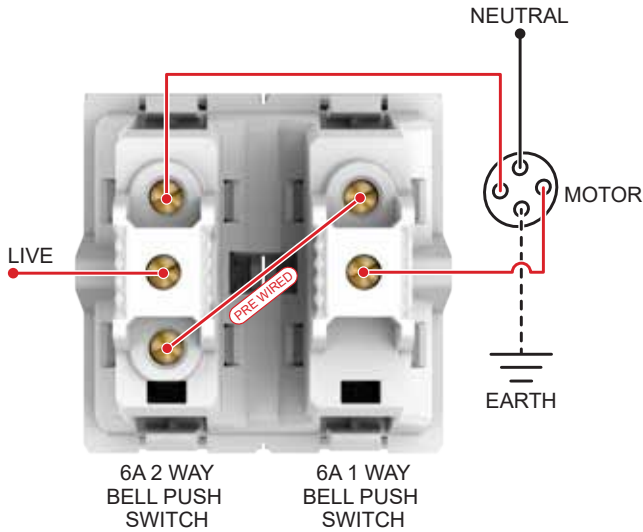
> 32A Double Pole Switch With Indicator  
UNS32DP2M\_WE, UNS32DP2M\_GY

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Wiring Diagram Unica Pure



## > Curtain Control Switch

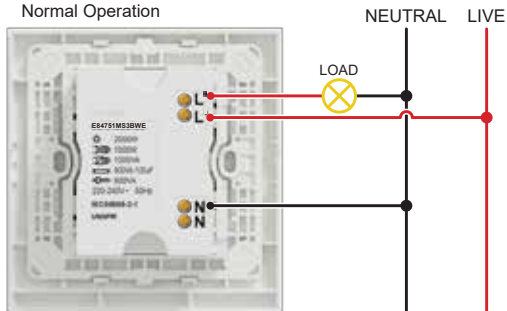
UNSCURTAINSW2M\_WE, UNSCURTAINSW2M\_GY



## > Emergency Light Module\*

UNSEMERGENCY2M\_WE

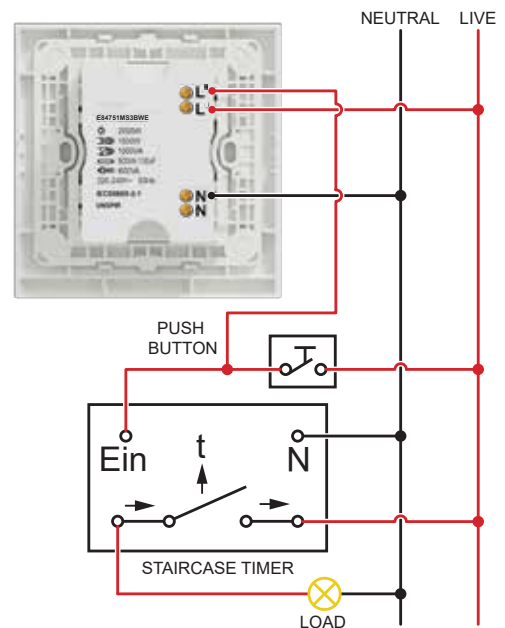
### 1. Normal Operation



## > PIR Motion Sensor\*

UNSPIR\_WE

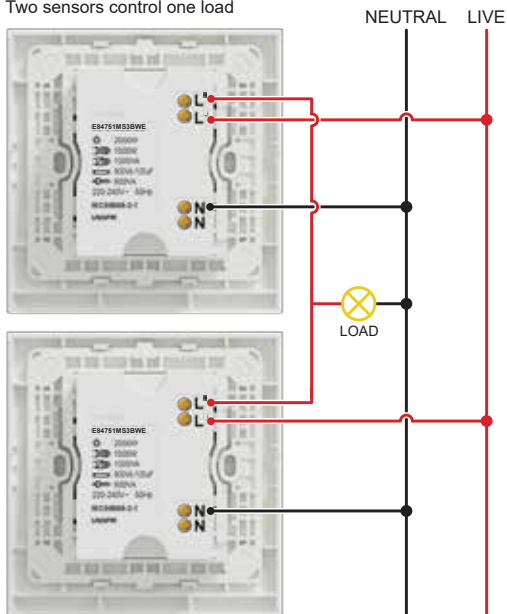
### 3. One sensor control staircase timer (set time knob to 1s)



## > PIR Motion Sensor\*

UNSPIR\_WE

### 2. Two sensors control one load



## > PIR Motion Sensor\*

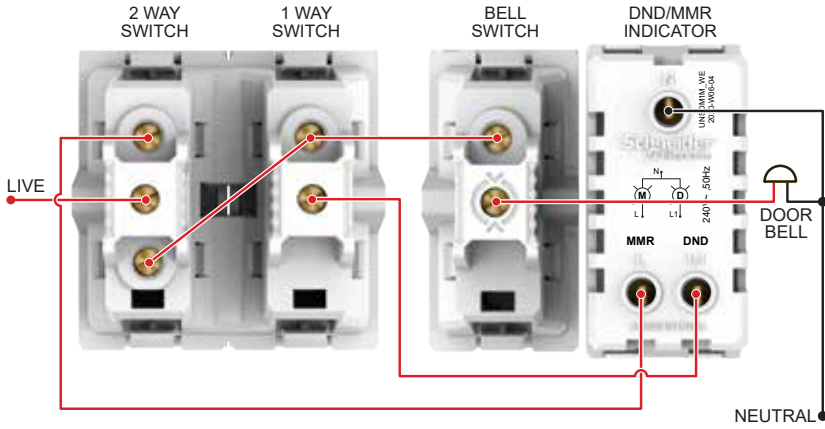
UNSPIR\_WE

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

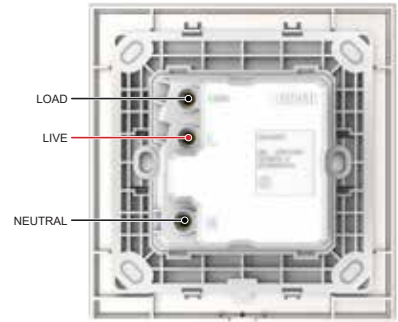
W.E.F. January 30<sup>th</sup>, 2023

# Wiring Diagram Unica Pure



> DND/MMR Indicator v.2 > Do Not Disturb Switch  
 > Make My Room Switch > DND Switch  
 > MMR Switch

UNSDM1M\_WE, UNSDM1M\_GY, UNSDNDSW1M\_WE,  
 UNSDNDSW1M\_GY, UNSMMRSW1M\_WE, UNSMMRSW1M\_GY



> Unica Pure Key Card

UNSEKCSW\_WE, UNSEKCSW\_GY,  
 UNSEKCSW\_CL, UNSEKCSW\_CD

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# ZENcelo India - The Revolutionary Full-Flat Switch



- **World's First and only Full-Flat Mechanical Switch**
- **Patented Iso-Motion Technology** - Ensures switch stays in the same position whether On or Off
- **Robust & Strong** - Made of corrosion-resistant, heat-resistant and impact-resistant polycarbonate
- **Safe to Use** - Electric arc encapsulated switches and Data Sockets with patented integrated shutter
- **Designed to Last** - Switches tested to 80,000 times; Sockets tested to 15,000 cycles.
- **Green & Eco Friendly** - RoHS compliant range
- **Dust Proof Cover**
- **All Dark Grey references covered with electrostatic protective film**
- **Intermediate switches to control multiple 2way switches**
- **16AX~20A 1 Way 2G Switch (1M) - IN8444/16: Single: switch to control two loads**



| Description                                      | Reference for White | Unit MRP [₹] | Pack | Reference for Dark Grey | Unit MRP [₹] | Pack |
|--|---------------------|--------------|------|-------------------------|--------------|------|
| <b>Switches</b>                                  |                     |              |      |                         |              |      |
| 6AX 1 Way switch                                 | IN8401              | 392          | 10   | IN8401(BZ)              | 491          | 10   |
| 6AX 1 Way switch (2M)                            | IN8421              | 653          | 10   | IN8421(BZ)              | 787          | 10   |
| 6AX 2 Way switch                                 | IN8402              | 491          | 10   | IN8402(BZ)              | 589          | 10   |
| 6AX 1 Way switch with Neon                       | IN8481              | 611          | 10   | IN8481(BZ)              | 732          | 10   |
| 16AX~20A 1 Way switch                            | IN8401/16           | 592          | 10   | IN8401/16(BZ)           | 721          | 10   |
| 16AX~20A 1 Way switch (2M)                       | IN8421/16           | 871          | 10   | IN8421/16(BZ)           | 1,216        | 10   |
| 16AX~20A 1 Way switch with Neon                  | IN8481/16           | 834          | 10   | IN8481/16(BZ)           | 989          | 10   |
| 16AX~20A 1 Way switch with Neon (2M)             | IN8482/16           | 1,029        | 10   | IN8482/16(BZ)           | 1,212        | 10   |
| 16AX~20A 2 Way switch                            | IN8402/16           | 826          | 10   | IN8402/16(BZ)           | 1,022        | 10   |
| 16AX~20A 2 Way switch (2M)                       | IN8422/16           | 989          | 10   | IN8422/16(BZ)           | 1,217        | 10   |
| 16AX~20A 1 Way 2G switch (1M)                    | IN8444/16           | 960          | 10   | IN8444/16(BZ)           | 1,157        | 10   |
| 10AX Intermediate switch                         | IN8430/1M           | 1,451        | 10   | IN8430/1M(BZ)           | 1,640        | 1    |
| 20A DP Switch with Neon (2M)                     | IN8486/20           | 1,286        | 5    | IN8486/20(BZ)           | 1,591        | 5    |
| 32A DP Switch with Neon (2M)                     | IN8486/32           | 2,019        | 5    | IN8486/32(BZ)           | 2,403        | 5    |
| <b>Motor Starter Switch</b>                      |                     |              |      |                         |              |      |
| 25A Motor Starter switch (2M)                    | IN8425MS            | 3,274        | 10   | IN8425MS(BZ)            | 3,484        | 10   |
| <b>Bell Push</b>                                 |                     |              |      |                         |              |      |
| 6A Bell Push switch                              | IN8405              | 557          | 10   | IN8405(BZ)              | 672          | 10   |
| 6A Bell Push switch (2M)                         | IN8425              | 851          | 10   | IN8425(BZ)              | 1,008        | 10   |
| 6A Bell Push switch with Neon                    | IN8485              | 758          | 10   | IN8485(BZ)              | 894          | 10   |
| 6A Bell Push switch with Neon (2M)               | IN8486              | 942          | 10   | IN8486(BZ)              | 1,109        | 10   |
| 6A Momentary Switch, WH                          | IN8487              | 723          | 10   | IN8487_BZ               | 854          | 10   |
| <b>Sockets</b>                                   |                     |              |      |                         |              |      |
| 6A 3PIN Socket Outlet with Shutter (BIS)         | IN8426UNS           | 641          | 10   | IN8426UNS_BZ            | 776          | 10   |
| 6A/16A 3 Pin Socket with Shutter                 | IN8426/16           | 954          | 10   | IN8426/16(BZ)           | 1,168        | 10   |
| <b>Fan Regulators &amp; Dimmers</b>              |                     |              |      |                         |              |      |
| Fan Control (5 Speeds)                           | IN84SFR             | 2,268        | 5    | IN84SFR(BZ)             | 2,722        | 5    |
| Full Flat 400W Dimmer Module (1 Gang)            | IN8404D             | 2,041        | 10   | IN8404D(BZ)             | 2,418        | 10   |
| <b>USB Chargers</b>                              |                     |              |      |                         |              |      |
| 1 Gang USB Charger - 2.1A (1M)                   | IN8431USB_WE        | 3,679        | 10   | IN8431USB_BZ            | 4,220        | 10   |
| 2 Gang USB Charger - 2.1A (2M)                   | IN8432USB_WE        | 5,380        | 1    | IN8432USB_BZ            | 6,191        | 10   |
| 2.4A 5V A+C USB Charger (1M)                     | IN8431ACUSB_WE      | 4,027        | 10   | IN8431ACUSB_BZ          | 4,615        | 10   |
| <b>Accessories</b>                               |                     |              |      |                         |              |      |
| RJ11 Telephone Outlet with shutter (1 Gang)      | IN8431RJS4          | 613          | 10   | IN8431RJS4(BZ)          | 749          | 10   |
| RJ45 Cat6 Data Outlet with shutter               | IN8431RJ6           | 2,133        | 10   | IN8431RJ6(BZ)           | 2,606        | 10   |
| Data Outlet Wall Plate (for RJ45 key stone jack) | IN8431RJC           | 635          | 10   | IN8431RJC(BZ)           | 747          | 10   |
| TV Socket  | IN8431TV            | 464          | 10   | IN8431TV(BZ)            | 587          | 10   |
| Cord Outlet                                      | IN8445CO            | 559          | 10   | IN8445CO(BZ)            | 679          | 10   |
| Foot Lamp with White LED (2M)                    | IN8490FLW           | 4,287        | 10   | -                       | -            | -    |
| Foot Lamp with Yellow LED (2M)                   | IN8490FLY           | 4,180        | 10   | -                       | -            | -    |
| Blank off unit (1M)                              | IN8430X             | 143          | 10   | IN8430X(BZ)             | 176          | 10   |
| <b>Hotel Series</b>                              |                     |              |      |                         |              |      |
| Do Not Disturb Panel                             | INH8451             | 3,105        | 10   | INH8451(BZ)             | 3,678        | 10   |
| Make My Room Panel                               | INH8454             | 2,823        | 10   | INH8454(BZ)             | 3,332        | 10   |
| Do Not Disturb Switch                            | INH8452             | 1,542        | 10   | INH8452(BZ)             | 1,734        | 10   |
| Do Not Disturb Switch (2M)                       | INH8453             | 1,856        | 10   | INH8453(BZ)             | 1,855        | 10   |
| Make My Room Switch                              | INH8455             | 1,506        | 10   | INH8455(BZ)             | 1,777        | 10   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

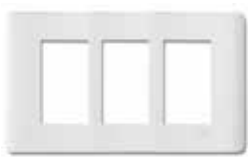
NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# ZENcelo India - The Revolutionary Full-Flat Switch



IN8403C



IN8406C



IN8402C(BZ)



IN8404C(SZ)



IN84012C(SA)

| Description                           | Reference for White | Unit MRP [₹] | Pack | Reference for Dark Grey | Unit MRP [₹] | Pack | Reference for Silver Bronze | Unit MRP [₹] | Pack | Reference for Satin Silver | Unit MRP [₹] | Pack |
|---------------------------------------|---------------------|--------------|------|-------------------------|--------------|------|-----------------------------|--------------|------|----------------------------|--------------|------|
| <b>Cover Plates</b>                   |                     |              |      |                         |              |      |                             |              |      |                            |              |      |
| 1M Grid & 1M Cover Frame              | IN8401C             | 368          | 10   | IN8401C(BZ)             | 436          | 10   | IN8401C(SZ)                 | 1012         | 10   | IN8401C(SA)                | 1060         | 10   |
| 2M Grid & 2M Cover Frame              | IN8402C             | 382          | 10   | IN8402C(BZ)             | 456          | 10   | IN8402C(SZ)                 | 1002         | 10   | IN8402C(SA)                | 1049         | 10   |
| 3M Grid & 3M Cover Frame              | IN8403C             | 450          | 10   | IN8403C(BZ)             | 538          | 10   | IN8403C(SZ)                 | 1231         | 10   | IN8403C(SA)                | 1289         | 10   |
| 4M Grid & 4M Cover Frame              | IN8404C             | 490          | 10   | IN8404C(BZ)             | 632          | 10   | IN8404C(SZ)                 | 1479         | 10   | IN8404C(SA)                | 1550         | 10   |
| 6M Grid & 6M Cover Frame              | IN8406C             | 748          | 5    | IN8406C(BZ)             | 889          | 5    | IN8406C(SZ)                 | 2031         | 5    | IN8406C(SA)                | 2127         | 5    |
| 8M Grid & 8M Cover Frame - Horizontal | IN8408HC            | 889          | 5    | IN8408HC(BZ)            | 1063         | 5    | IN8408HC(SZ)                | 2745         | 5    | IN8408HC(SA)               | 2875         | 5    |
| 8M Grid & 8M Cover Frame - Square     | IN8408SC            | 1175         | 5    | IN8408SC(BZ)            | 1550         | 5    | IN8408SC(SZ)                | 3333         | 5    | IN8408SC(SA)               | 3491         | 5    |
| 9M Grid & 9M Cover Frame              | IN8409C             | 1529         | 5    | IN8409C(BZ)             | 1912         | 5    | IN8409C(SZ)                 | 4608         | 5    | IN8409C(SA)                | 5446         | 5    |
| 12M Grid & 12M Cover Frame            | IN84012C            | 1931         | 5    | IN84012C(BZ)            | 2376         | 5    | IN84012C(SZ)                | 6139         | 5    | IN84012C(SA)               | 6432         | 5    |
| 18M Grid & 18M Cover Frame            | IN84018C            | 2724         | 5    | IN84018C(BZ)            | 3357         | 5    | IN84018C(SZ)                | 8127         | 5    | IN84018C(SA)               | 8514         | 5    |

# ZENcelo - The Revolutionary Full-Flat Switch



E8431EKT-OS



E8432DMS>SZ-OS



E84T727H-OS



E84T727V>SZ-OS

| Description                               | Reference for White | Unit MRP [₹] | Pack | Reference For Silver Bronze | Unit MRP [₹] | Pack |
|---|---------------------|--------------|------|-----------------------------|--------------|------|
| <b>Hotel Series</b>                       |                     |              |      |                             |              |      |
| "Please Clean Up" Symbols                 | E8431BPDM-OS        | 6,115        |      | E8431BPDM>SZ-OS             | 7,629        | 1    |
| 16A Electronic Key Card Time Delay Switch | E8431EKT-OS         | 12,219       |      | E8431EKT>SZ-OS              | 15,275       | 1    |
| Universal Shaver Unit, Vertical           | E84T727V-OS         | 6,913        |      | E84T727V>SZ-OS              | 8,611        | 1    |
| Universal Shaver Unit, Horizontal         | E84T727H-OS         | 6,913        |      | E84T727H>SZ-OS              | 8,611        | 1    |

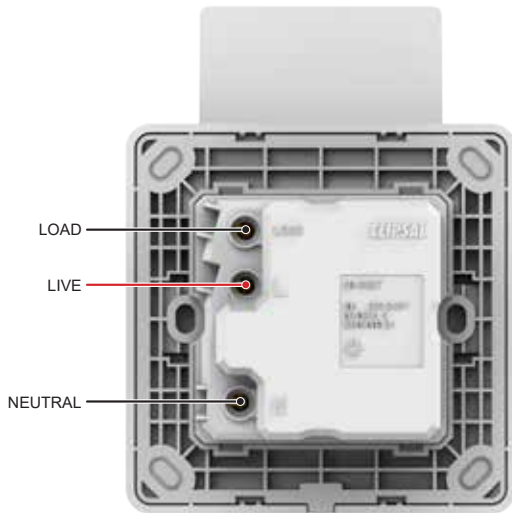
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

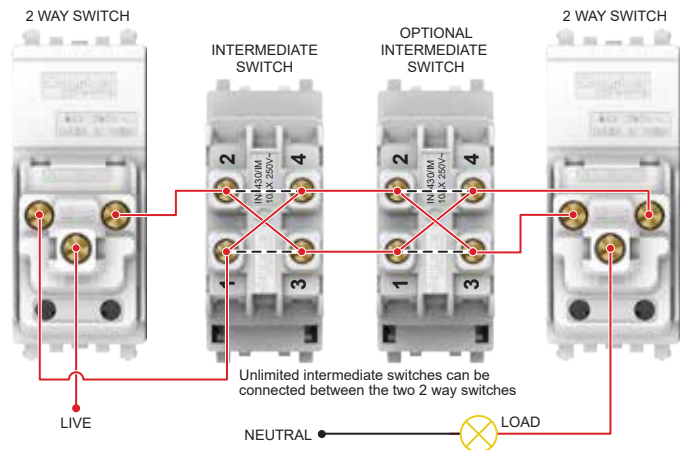
W.E.F. January 30<sup>th</sup>, 2023



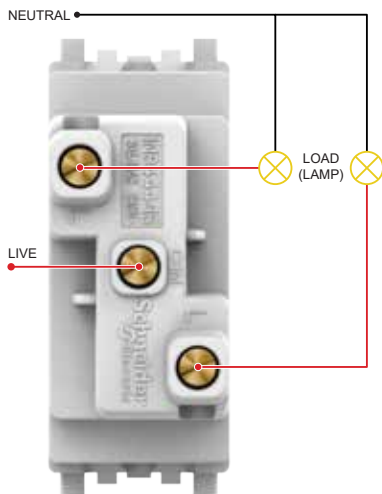
# Wiring Diagram ZENcelo



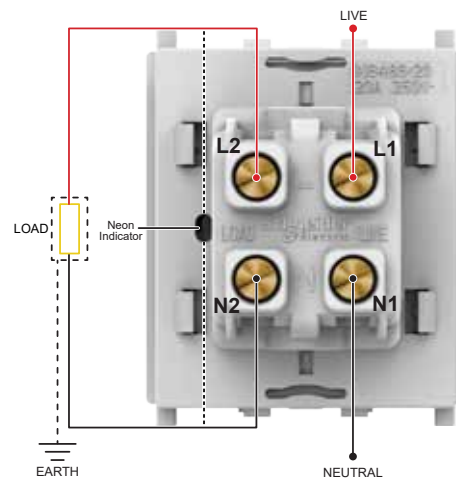
> 16A Electronic Key Card Time Delay  
E8431EKT-OS, E8431EKT>SZ-OS



> 10AX Intermediate Switch  
IN8430/IM, IN8430/IM (BZ)



> 16AX~20A 1 Way 2G Switch (1M)  
IN8444/16, IN8444/16 (BZ)



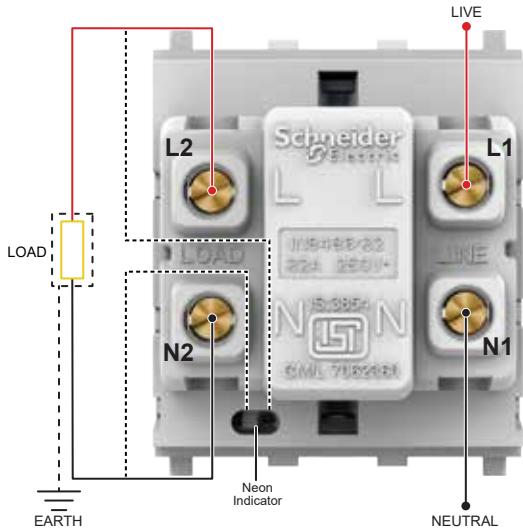
> 20A DP Switch with Neon (2M)  
IN8486/20, IN8486/20 (BZ)

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

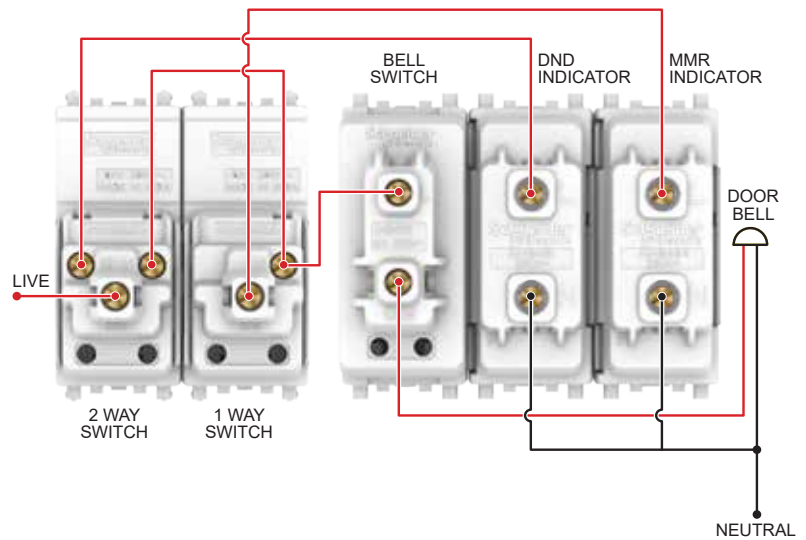
W.E.F. January 30<sup>th</sup>, 2023

# Wiring Diagram ZENcelo



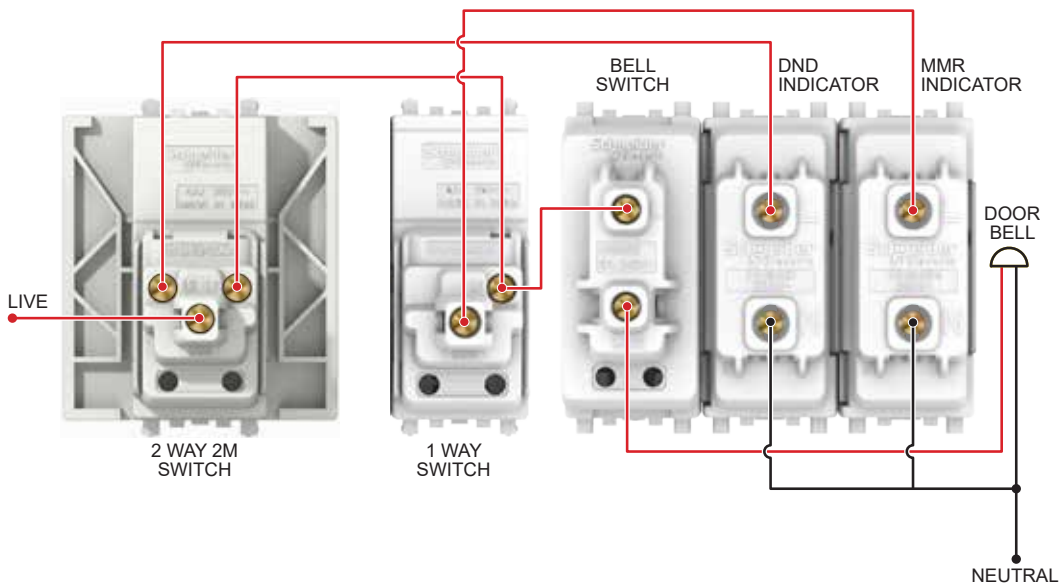
## > 32A DP Switch with Neon (2M)

IN8486/32, IN8486/32 (BZ)



## > Do Not Disturb Panel > Make My Room Panel > Do Not Distrub Switch > Make My Room Switch

INH8451, INH8451 (BZ), INH8454, INH8454 (BZ),  
INH8452, INH8452 (BZ), INH8455, INH8455 (BZ)



## > Do Not Disturb Switch (2M) > Make My Room Switch

INH8451, INH8451 (BZ), INH8454, INH8454 (BZ)  
INH8453, INH8453 (BZ), INH8455, INH8455 (BZ)

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# AvatarOn - It's also a Switch



White  
(WE)



Wine Gold  
(WG)



Dark Grey  
(DG)



Dark Wood  
(WD)



Gold Hairline  
(GH)



Light Wood  
(LW)



**Award-winning Designs:** In 2017, AvatarOn gained international recognition for its innovative design and quality excellence and was awarded the iF Design Award

### Ingenious Beauty

- The ground-breaking AvatarOn series is a true marriage of aesthetics and practicality, making it a perfect choice for all home or office designs.

### Safe and Reliable

- Our patented "Slim Rocker, Sure Click" SS technology not only gives AvatarOn a greater thinness overall, but also a near-zero contact jitter that reduces sparks, thus ensuring a safe and reliable use.

### Customisable Covers for True Adaptability

- AvatarOn switches are available in an array of replaceable covers for full customisation and integration into any home decor. The customised pattern covers of AvatarOn provides you with an extra canvas to showcase your creativity in a subtle yet apparent way.

### Modern Look

- The stylish and streamlined design of AvatarOn switch covers are finished in white, soft wood, dark wood and gold hairline materials for a classic look and universal elegance.

### Tech-chic Design that Shines

- The AvatarOn soft LED locators merges seamlessly with its sleek giant dolly, creating a stylish and streamlined design and glow with a soft luminescent in the dark, indicating the exact location of each switch at night.

### Multifunctional Accessories for Every Day Conveniences

| Product Description                              | Color               | Product Ref. No. | Unit MRP [₹] | Pack |
|--|---------------------|------------------|--------------|------|
| <b>16A Switches (Base + Cover Plate)</b>         |                     |                  |              |      |
| 16AX 250V 1 Gang 1 Way Switch                    | White               | E8331L1_WE_G8    | 555          | 1    |
|  | Wine Gold           | E8331L1_WG_G8    | 834          | 10   |
|  | Dark Grey           | E8331L1_DG_G8    | 834          | 1    |
|  | Metal Gold Hairline | E8331L1_GH_G8    | 834          | 10   |
|  | Light Wood          | E8331L1_LW_G8    | 834          | 10   |
|  | Dark Wood           | E8331L1_WD_G8    | 834          | 10   |
| 16AX 250V 1 Gang 1 Way Switch with LED Indicator | White               | E8331L1LED_WE_G8 | 834          | 1    |
|  | Wine Gold           | E8331L1LED_WG_G8 | 1,247        | 10   |
|  | Dark Grey           | E8331L1LED_DG_G8 | 1,247        | 1    |
|  | Metal Gold Hairline | E8331L1LED_GH_G8 | 1,247        | 10   |
|  | Light Wood          | E8331L1LED_LW_G8 | 1,247        | 10   |
|  | Dark Wood           | E8331L1LED_WD_G8 | 1,247        | 10   |
| 16AX 250V 1 Gang 2 Way Switch                    | White               | E8331L2_WE_G8    | 593          | 1    |
|  | Wine Gold           | E8331L2_WG_G8    | 890          | 10   |
|  | Dark Grey           | E8331L2_DG_G8    | 890          | 1    |
|  | Metal Gold Hairline | E8331L2_GH_G8    | 890          | 10   |
|  | Light Wood          | E8331L2_LW_G8    | 890          | 10   |
|  | Dark Wood           | E8331L2_WD_G8    | 890          | 10   |
| 16AX 250V 1 Gang 2 Way Switch with LED Indicator | White               | E8331L2LED_WE_G8 | 890          | 10   |
|  | Wine Gold           | E8331L2LED_WG_G8 | 1,336        | 10   |
|  | Dark Grey           | E8331L2LED_DG_G8 | 1,336        | 1    |
|  | Metal Gold Hairline | E8331L2LED_GH_G8 | 1,336        | 10   |
|  | Light Wood          | E8331L2LED_LW_G8 | 1,336        | 10   |
|  | Dark Wood           | E8331L2LED_WD_G8 | 1,336        | 10   |
| 16AX 250V 2 Gang 1 Way Switch                    | White               | E8332L1_WE_G8    | 857          | 1    |
|  | Wine Gold           | E8332L1_WG_G8    | 1,287        | 10   |
|  | Dark Grey           | E8332L1_DG_G8    | 1,287        | 1    |
|  | Metal Gold Hairline | E8332L1_GH_G8    | 1,287        | 10   |
|  | Light Wood          | E8332L1_LW_G8    | 1,287        | 10   |
|  | Dark Wood           | E8332L1_WD_G8    | 1,287        | 10   |
| 16AX 250V 2 Gang 1 Way Switch with LED Indicator | White               | E8332L1LED_WE_G8 | 1,287        | 1    |
|  | Wine Gold           | E8332L1LED_WG_G8 | 1,931        | 10   |
|  | Dark Grey           | E8332L1LED_DG_G8 | 1,931        | 1    |
|  | Metal Gold Hairline | E8332L1LED_GH_G8 | 1,931        | 10   |
|  | Light Wood          | E8332L1LED_LW_G8 | 1,931        | 10   |
|  | Dark Wood           | E8332L1LED_WD_G8 | 1,931        | 10   |
| 16AX 250V 2 Gang 2 Way Switch                    | White               | E8332L2_WE_G8    | 1,043        | 1    |
|  | Wine Gold           | E8332L2_WG_G8    | 1,565        | 10   |
|  | Dark Grey           | E8332L2_DG_G8    | 1,565        | 1    |
|  | Metal Gold Hairline | E8332L2_GH_G8    | 1,565        | 10   |
|  | Light Wood          | E8332L2_LW_G8    | 1,565        | 10   |
|  | Dark Wood           | E8332L2_WD_G8    | 1,565        | 10   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# AvatarOn - It's also a Switch

|  |  | Product Description                               | Color               | Product Ref. No. | Unit MRP [₹] | Pack |
|--|--|---|---------------------|------------------|--------------|------|
| <b>16A Switches (Base + Cover Plate)</b>   |  |   |                     |                  |              |      |
| <br><b>E8332L2LED_WE_G8</b>   | <br><b>E8332L2LED_WD_G8</b>   | 16AX 250V 2 Gang 2 Way Switch with LED Indicator  | White               | E8332L2LED_WE_G8 | 1,565        | 10   |
|  |  |   | Wine Gold           | E8332L2LED_WG_G8 | 2,349        | 10   |
|  |  |   | Dark Grey           | E8332L2LED_DG_G8 | 2,349        | 1    |
|  |  |   | Metal Gold Hairline | E8332L2LED_GH_G8 | 2,349        | 10   |
|  |  |   | Light Wood          | E8332L2LED_LW_G8 | 2,241        | 10   |
|  |  |   | Dark Wood           | E8332L2LED_WD_G8 | 2,349        | 10   |
| <br><b>E8333L1LED_WE_G8</b>   | <br><b>E8333L1LED_WD_G8</b>   | 16AX 250V 3 gang 1 Way Switch                     | White               | E8333L1_WE_G8    | 1,407        | 1    |
|  |  |   | Wine Gold           | E8333L1_WG_G8    | 2,111        | 10   |
|  |  |   | Dark Grey           | E8333L1_DG_G8    | 2,111        | 1    |
|  |  |   | Metal Gold Hairline | E8333L1_GH_G8    | 2,111        | 10   |
|  |  |   | Light Wood          | E8333L1_LW_G8    | 2,111        | 10   |
|  |  |   | Dark Wood           | E8333L1_WD_G8    | 2,111        | 10   |
| <br><b>E8333L2_WE_G8</b>      | <br><b>E8333L2_WD_G8</b>      | 16AX 250V 3 gang 1 Way Switch with LED Indicator  | White               | E8333L1LED_WE_G8 | 2,111        | 10   |
|  |  |   | Wine Gold           | E8333L1LED_WG_G8 | 3,165        | 10   |
|  |  |   | Dark Grey           | E8333L1LED_DG_G8 | 3,165        | 1    |
|  |  |   | Metal Gold Hairline | E8333L1LED_GH_G8 | 3,165        | 10   |
|  |  |   | Light Wood          | E8333L1LED_LW_G8 | 3,165        | 10   |
|  |  |   | Dark Wood           | E8333L1LED_WD_G8 | 3,165        | 10   |
| <br><b>E8333L2LED_WE_G8</b>  | <br><b>E8333L2LED_WD_G8</b>  | 16AX 250V 3 gang 2 Way Switch                     | White               | E8333L2_WE_G8    | 1,514        | 1    |
|  |  |   | Wine Gold           | E8333L2_WG_G8    | 2,273        | 10   |
|  |  |   | Dark Grey           | E8333L2_DG_G8    | 2,273        | 1    |
|  |  |   | Metal Gold Hairline | E8333L2_GH_G8    | 2,273        | 10   |
|  |  |   | Light Wood          | E8333L2_LW_G8    | 2,273        | 10   |
|  |  |   | Dark Wood           | E8333L2_WD_G8    | 2,273        | 10   |
| <br><b>E8334L1_WE_G8</b>    | <br><b>E8334L1_WD_G8</b>    | 1 6AX 250V 3 gang 2 Way Switch with LED Indicator | White               | E8333L2LED_WE_G8 | 2,273        | 10   |
|  |  |   | Wine Gold           | E8333L2LED_WG_G8 | 3,408        | 10   |
|  |  |   | Dark Grey           | E8333L2LED_DG_G8 | 3,408        | 1    |
|  |  |   | Metal Gold Hairline | E8333L2LED_GH_G8 | 3,408        | 10   |
|  |  |   | Light Wood          | E8333L2LED_LW_G8 | 3,253        | 10   |
|  |  |   | Dark Wood           | E8333L2LED_WD_G8 | 3,408        | 10   |
| <br><b>E8334L1_WE_G8</b>    | <br><b>E8334L1_WD_G8</b>    | 16AX 250V 4 Gang 1 Way Switch                     | White               | E8334L1_WE_G8    | 2,024        | 1    |
|  |  |   | Wine Gold           | E8334L1_WG_G8    | 3,037        | 10   |
|  |  |   | Dark Grey           | E8334L1_DG_G8    | 3,037        | 1    |
|  |  |   | Metal Gold Hairline | E8334L1_GH_G8    | 3,037        | 10   |
|  |  |   | Light Wood          | E8334L1_LW_G8    | 3,037        | 10   |
|  |  |   | Dark Wood           | E8334L1_WD_G8    | 3,037        | 10   |
| <br><b>E8334L1LED_WE_G8</b> | <br><b>E8334L1LED_WD_G8</b> | 16AX 250V 4 Gang 1 Way Switch with LED Indicator  | White               | E8334L1LED_WE_G8 | 3,037        | 10   |
|  |  |   | Wine Gold           | E8334L1LED_WG_G8 | 4,554        | 10   |
|  |  |   | Dark Grey           | E8334L1LED_DG_G8 | 4,554        | 1    |
|  |  |   | Metal Gold Hairline | E8334L1LED_GH_G8 | 4,554        | 10   |
|  |  |   | Light Wood          | E8334L1LED_LW_G8 | 4,554        | 10   |
|  |  |   | Dark Wood           | E8334L1LED_WD_G8 | 4,554        | 10   |
| <br><b>E8334L2_WE_G8</b>    | <br><b>E8334L2_WD_G8</b>    | 16AX 250V 4 Gang 2 Way Switch                     | White               | E8334L2_WE_G8    | 2,328        | 1    |
|  |  |   | Wine Gold           | E8334L2_WG_G8    | 3,491        | 10   |
|  |  |   | Dark Grey           | E8334L2_DG_G8    | 3,491        | 1    |
|  |  |   | Metal Gold Hairline | E8334L2_GH_G8    | 3,491        | 10   |
|  |  |   | Light Wood          | E8334L2_LW_G8    | 3,491        | 10   |
|  |  |   | Dark Wood           | E8334L2_WD_G8    | 3,491        | 10   |
| <br><b>E8334L2LED_WE_G8</b> | <br><b>E8334L2LED_WD_G8</b> | 16AX 250V 4 Gang 2 Way Switch with LED Indicator  | White               | E8334L2LED_WE_G8 | 3,491        | 10   |
|  |  |   | Wine Gold           | E8334L2LED_WG_G8 | 5,237        | 10   |
|  |  |   | Dark Grey           | E8334L2LED_DG_G8 | 5,237        | 1    |
|  |  |   | Metal Gold Hairline | E8334L2LED_GH_G8 | 5,237        | 10   |
|  |  |   | Light Wood          | E8334L2LED_LW_G8 | 5,237        | 10   |
|  |  |   | Dark Wood           | E8334L2LED_WD_G8 | 5,237        | 10   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# AvatarOn - It's also a Switch

|   |   | Product Description                                   | Color               | Product Ref. No. | Unit MRP [₹] | Pack |
|---|---|---|---------------------|------------------|--------------|------|
| <b>16A Intermediate Switches</b>  |   |   |                     |                  |              |      |
| <br><b>E8331M_WE_G8</b>      | <br><b>E8331M_WD_G8</b>      | 16AX 250V 1 Gang Intermediate Switch                  | White               | E8331M_WE_G8     | 1,647        | 1    |
|   |   |   | Wine Gold           | E8331M_WG_G8     | 2,470        | 1    |
|   |   |   | Dark Grey           | E8331M_DG_G8     | 2,470        | 1    |
|   |   |   | Metal Gold Hairline | E8331M_GH_G8     | 2,357        | 1    |
|   |   |   | Light Wood          | E8331M_LW_G8     | 2,357        | 1    |
|   |   |   | Dark Wood           | E8331M_WD_G8     | 2,357        | 1    |
| <b>10A Momentary Switches</b>   |   |   |                     |                  |              |      |
| <br><b>E8331PRL1_WE_G8</b>   | <br><b>E8331PRL1_WD_G8</b>   | 10A 250V 1 Gang Momentary Switch                      | White               | E8331PRL1_WE_G8  | 605          | 10   |
|   |   |   | Wine Gold           | E8331PRL1_WG_G8  | 905          | 10   |
|   |   |   | Dark Grey           | E8331PRL1_DG_G8  | 905          | 1    |
|   |   |   | Metal Gold Hairline | E8331PRL1_GH_G8  | 905          | 10   |
|   |   |   | Light Wood          | E8331PRL1_LW_G8  | 864          | 10   |
|   |   |   | Dark Wood           | E8331PRL1_WD_G8  | 864          | 10   |
| <br><b>E8332PRL1_WE_G8</b>   | <br><b>E8332PRL1_WD_G8</b>   | 10A 250V 2 Gang Momentary Switch                      | White               | E8332PRL1_WE_G8  | 725          | 10   |
|   |   |   | Wine Gold           | E8332PRL1_WG_G8  | 1,086        | 10   |
|   |   |   | Dark Grey           | E8332PRL1_DG_G8  | 1,086        | 1    |
|   |   |   | Metal Gold Hairline | E8332PRL1_GH_G8  | 1,086        | 10   |
|   |   |   | Light Wood          | E8332PRL1_LW_G8  | 1,086        | 10   |
|   |   |   | Dark Wood           | E8332PRL1_WD_G8  | 1,086        | 10   |
| <b>Double Pole Switches</b>   |   |   |                     |                  |              |      |
| <br><b>E8331D20N_WE_G8</b> | <br><b>E8331D20N_WD_G8</b> | 20A 250V 1 Gang Double Pole Switch with LED Indicator | White               | E8331D20N_WE_G8  | 1,421        | 10   |
|   |   |   | Wine Gold           | E8331D20N_WG_G8  | 2,129        | 10   |
|   |   |   | Dark Grey           | E8331D20N_DG_G8  | 2,129        | 1    |
|   |   |   | Metal Gold Hairline | E8331D20N_GH_G8  | 2,129        | 10   |
|   |   |   | Light Wood          | E8331D20N_LW_G8  | 2,034        | 10   |
|   |   |   | Dark Wood           | E8331D20N_WD_G8  | 2,129        | 10   |
| <br><b>E8331D32N_WE_G8</b> | <br><b>E8332D20N_WD_G8</b> | 20A 250V 2 Gang Double Pole Switch with LED Indicator | White               | E8332D20N_WE_G8  | 1,809        | 10   |
|   |   |   | Wine Gold           | E8332D20N_WG_G8  | 2,556        | 10   |
|   |   |   | Dark Grey           | E8332D20N_DG_G8  | 2,556        | 1    |
|   |   |   | Metal Gold Hairline | E8332D20N_GH_G8  | 2,556        | 10   |
|   |   |   | Light Wood          | E8332D20N_LW_G8  | 2,556        | 10   |
|   |   |   | Dark Wood           | E8332D20N_WD_G8  | 2,556        | 10   |
| <br><b>E8332D20N_WE_G8</b> | <br><b>E8331D32N_WD_G8</b> | 32A 250V 1 Gang Double Pole Switch with LED Indicator | White               | E8331D32N_WE_G8  | 1,885        | 10   |
|   |   |   | Wine Gold           | E8331D32N_WG_G8  | 2,827        | 10   |
|   |   |   | Dark Grey           | E8331D32N_DG_G8  | 2,827        | 1    |
|   |   |   | Metal Gold Hairline | E8331D32N_GH_G8  | 2,827        | 10   |
|   |   |   | Light Wood          | E8331D32N_LW_G8  | 2,827        | 10   |
|   |   |   | Dark Wood           | E8331D32N_WD_G8  | 2,827        | 10   |
| <br><b>E8331D45N_WE_G8</b> | <br><b>E8331D45N_WD_G8</b> | 45A 250V 1 Gang Double Pole Switch with LED Indicator | White               | E8331D45N_WE_G8  | 2,355        | 10   |
|   |   |   | Wine Gold           | E8331D45N_WG_G8  | 3,534        | 10   |
|   |   |   | Dark Grey           | E8331D45N_DG_G8  | 3,534        | 1    |
|   |   |   | Metal Gold Hairline | E8331D45N_GH_G8  | 3,534        | 10   |
|   |   |   | Light Wood          | E8331D45N_LW_G8  | 3,534        | 10   |
|   |   |   | Dark Wood           | E8331D45N_WD_G8  | 3,373        | 10   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# AvatarOn - It's also a Switch

| Product Description   | Color   | Product Ref. No. | Unit MRP [₹] | Pack |
|---|---|------------------|--------------|------|
|  |  |                  |              |      |
| E8331BPL1_WE_G8   | E8331BPL1_WD_G8   |                  |              |      |
| <b>Bell Push Switch</b>   |   |                  |              |      |
| 10A 250V Door Bell Push Switch  | White   | E8331BPL1_WE_G8  | 605          | 1    |
|   | Wine Gold   | E8331BPL1_WG_G8  | 905          | 10   |
|   | Dark Grey   | E8331BPL1_DG_G8  | 905          | 1    |
|   | Metal Gold Hairline   | E8331BPL1_GH_G8  | 905          | 10   |
|   | Light Wood  | E8331BPL1_LW_G8  | 905          | 10   |
|   | Dark Wood   | E8331BPL1_WD_G8  | 905          | 10   |
|  |  |                  |              |      |
| E8315_16_WE   | E8315_16_WD   |                  |              |      |
| <b>Sockets</b>  |   |                  |              |      |
| 6A 2/3 Pin Switched Socket  | White   | E8315_6_WE       | 1,220        | 8    |
|   | Wine Gold   | E8315_6_WG       | 1,551        | 8    |
|   | Dark Grey   | E8315_6_DG       | 1,551        | 1    |
|   | Metal Gold Hairline   | E8315_6_GH       | 1,551        | 8    |
|   | Light Wood  | E8315_6_LW       | 1,551        | 8    |
|   | Dark Wood   | E8315_6_WD       | 1,551        | 8    |
| 6/16A Switched Socket   | White   | E8315_16_WE      | 1,531        | 8    |
|   | Wine Gold   | E8315_16_WG      | 1,947        | 8    |
|   | Dark Grey   | E8315_16_DG      | 1,947        | 1    |
|   | Metal Gold Hairline   | E8315_16_GH      | 1,947        | 8    |
|   | Light Wood  | E8315_16_LW      | 1,947        | 8    |
|   | Dark Wood   | E8315_16_WD      | 1,947        | 8    |
|  |  |                  |              |      |
| E8331_FR350_WE_G8   | E8331_FR350_WD_G8   |                  |              |      |
| <b>Fan Regulators</b>   |   |                  |              |      |
| 5 Steps 360 Deg Fan Regulator   | White   | E8331FR350_WE_G8 | 2,907        | 1    |
|   | Wine Gold   | E8331FR350_WG_G8 | 3,831        | 1    |
|   | Dark Grey   | E8331FR350_DG_G8 | 3,831        | 1    |
|   | Metal Gold Hairline   | E8331FR350_GH_G8 | 3,831        | 1    |
|   | Light Wood  | E8331FR350_LW_G8 | 3,831        | 1    |
|   | Dark Wood   | E8331FR350_WD_G8 | 3,831        | 1    |
| <b>Switch &amp; Socket Covers (Additional)</b>                                    |   |                  |              |      |
| 1 Gang Switch Cover   | White   | E8331_WE         | 160          | 1    |
|   | Wine Gold   | E8331_WG         | 399          | 1    |
|   | Dark Grey   | E8331_DG         | 381          | 1    |
|   | Metal Gold Hairline   | E8331_GH         | 399          | 1    |
|   | Light Wood  | E8331_LW         | 364          | 1    |
|   | Dark Wood   | E8331_WD         | 399          | 1    |
| 1 Gang Switch Cover with Keyholder  | White   | E8331KH_WE       | 352          | 1    |
|   | Wine Gold   | E8331KH_WG       | 636          | 1    |
|   | Dark Grey   | E8331KH_DG       | 513          | 1    |
|   | Metal Gold Hairline   | E8331KH_GH       | 607          | 1    |
|   | Light Wood  | E8331KH_LW       | 490          | 1    |
|   | Dark Wood   | E8331KH_WD       | 636          | 1    |
| 2 Gang Switch Cover   | White   | E8332_WE         | 242          | 1    |
|   | Wine Gold   | E8332_WG         | 545          | 1    |
|   | Dark Grey   | E8332_DG         | 520          | 1    |
|   | Metal Gold Hairline   | E8332_GH         | 545          | 1    |
|   | Light Wood  | E8332_LW         | 520          | 1    |
|   | Dark Wood   | E8332_WD         | 545          | 1    |
| 3 Gang Switch Cover   | White   | E8333_WE         | 374          | 1    |
|   | Wine Gold   | E8333_WG         | 801          | 1    |
|   | Dark Grey   | E8333_DG         | 764          | 1    |
|   | Metal Gold Hairline   | E8333_GH         | 801          | 1    |
|   | Light Wood  | E8333_LW         | 764          | 1    |
|   | Dark Wood   | E8333_WD         | 946          | 1    |
| 3 Gang Switch Cover with Keyholder  | White   | E8333KH_WE       | 487          | 1    |
|   | Wine Gold   | E8333KH_WG       | 1,109        | 1    |
|   | Dark Grey   | E8333KH_DG       | 896          | 1    |
|   | Metal Gold Hairline   | E8333KH_GH       | 1,060        | 1    |
|   | Light Wood  | E8333KH_LW       | 856          | 1    |
|   | Dark Wood   | E8333KH_WD       | 1,109        | 1    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# AvatarOn - It's also a Switch



E8334\_WE



E8334\_WD



E8315C\_6\_WE



E8315C\_6\_WD



E8315C\_16\_WE



E8315C\_16\_WD



E8332USB\_WE\_G8



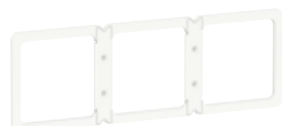
E8332USB\_WD\_G8



E8331\_26\_WE



E8332ACQUSB\_WE



E8331\_36\_WE



E8331\_46\_WE



E8330TX\_WE

| Product Description   | Color               | Product Ref. No. | Unit MRP [₹] | Pack |
|---|---------------------|------------------|--------------|------|
| 4G Switch Cover   | White               | E8334_WE         | 527          | 1    |
|   | Wine Gold           | E8334_WG         | 1,092        | 1    |
|   | Dark Grey           | E8334_DG         | 1,043        | 1    |
|   | Metal Gold Hairline | E8334_GH         | 1,092        | 1    |
|   | Light Wood          | E8334_LW         | 1,043        | 1    |
|   | Dark Wood           | E8334_WD         | 1,092        | 1    |
| 6A 2/3 Pin Switched Socket Cover  | White               | E8315C_6_WE      | 429          | 12   |
|   | Wine Gold           | E8315C_6_WG      | 728          | 12   |
|   | Dark Grey           | E8315C_6_DG      | 728          | 1    |
|   | Metal Gold Hairline | E8315C_6_GH      | 728          | 12   |
|   | Light Wood          | E8315C_6_LW      | 728          | 12   |
|   | Dark Wood           | E8315C_6_WD      | 728          | 12   |
| 6/16A Switched Socket Cover   | White               | E8315C_16_WE     | 463          | 12   |
|   | Wine Gold           | E8315C_16_WG     | 760          | 12   |
|   | Dark Grey           | E8315C_16_DG     | 760          | 1    |
|   | Metal Gold Hairline | E8315C_16_GH     | 760          | 12   |
|   | Light Wood          | E8315C_16_LW     | 726          | 12   |
|   | Dark Wood           | E8315C_16_WD     | 760          | 12   |
| <b>USB Chargers</b>   |                     |                  |              |      |
| 2 Ports Max 2.1A USB Charger with Mobile Holder                                   | White               | E83311USB_WE_G8  | 5,723        | 1    |
|   | Wine Gold           | E83311USB_WG_G8  | 8,584        | 1    |
|   | Dark Grey           | E83311USB_DG_G8  | 8,584        | 1    |
| 2 x 2.1A USB Charger with Mobile Holder (2.1A with 2 outputs used simultaneously) | White               | E8332USB_WE_G8   | 7,154        | 1    |
|   | Wine Gold           | E8332USB_WG_G8   | 10,731       | 1    |
|   | Dark Grey           | E8332USB_DG_G8   | 10,731       | 1    |
|   | Metal Gold Hairline | E8332USB_GH_G8   | 10,731       | 1    |
|   | Light Wood          | E8332USB_LW_G8   | 10,731       | 1    |
|   | Dark Wood           | E8332USB_WD_G8   | 10,731       | 1    |
| 21W Type A+C, PD+QC3.0 USB Charger  | Metal Gold Hairline | E8332ACQUSB_GH   | 6,542        | -    |
|   | Light Wood          | E8332ACQUSB_LW   | 6,542        | -    |
|   | Dark Wood           | E8332ACQUSB_WD   | 6,542        | -    |
|   | White               | E8332ACQUSB_WE   | 5,288        | -    |
|   | Wine Gold           | E8332ACQUSB_WG   | 6,542        | -    |
| <b>Bracket/Frame (to ensure alignment of switches on 2/3/4 Gang metal box)</b>    |                     |                  |              |      |
| 2 Gang Bracket/Frame  | White               | E8331_26_WE      | 265          | 1    |
|   | Wine Gold           | E8331_26_WG      | 347          | 1    |
|   | Dark Grey           | E8331_26_DG      | 331          | 1    |
| 3 Gang Bracket/Frame  | White               | E8331_36_WE      | 292          | 1    |
|   | Wine Gold           | E8331_36_WG      | 408          | 1    |
|   | Dark Grey           | E8331_36_DG      | 390          | 1    |
| 4 Gang Bracket/Frame  | White               | E8331_46_WE      | 311          | 1    |
|   | Wine Gold           | E8331_46_WG      | 438          | 1    |
|   | Dark Grey           | E8331_46_DG      | 418          | 1    |
| <b>Blank Plates</b>   |                     |                  |              |      |
| 1 Gang Blank Plate  | White               | E8330X_WE        | 366          | 1    |
|   | Wine Gold           | E8330X_WG        | 550          | 1    |
|   | Dark Grey           | E8330X_DG        | 550          | 1    |
|   | Metal Gold Hairline | E8330X_GH        | 576          | 1    |
|   | Light Wood          | E8330X_LW        | 550          | 1    |
|   | Dark Wood           | E8330X_WD        | 576          | 1    |
| 2 Gang Blank Plate  | White               | E8330TX_WE       | 511          | 10   |
|   | Wine Gold           | E8330TX_WG       | 794          | 10   |
|   | Dark Grey           | E8330TX_DG       | 794          | 1    |
|   | Metal Gold Hairline | E8330TX_GH       | 794          | 10   |
|   | Light Wood          | E8330TX_LW       | 759          | 10   |
|   | Dark Wood           | E8330TX_WD       | 794          | 10   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# AvatarOn - It's also a Switch



E8331BPDMW\_ WE\_G8



E8331BPDMW\_ WD\_G8



E8331KPB\_ WE



E8331KPB\_ WD



E8332C\_ WE\_G8



E8332C\_ WD\_G8



E83T727V\_ WE



E83T727V\_ WD



E8330FSG\_ WE



E8330FSG\_ WD



E8330FSGN\_ WE



E8330FSGN\_ WD



E8331TB\_ WE



E8331TB\_ WD



E8331RJS4\_ WE



E8331RJS4\_ WD

| Product Description   | Color   | Product Ref. No. | Unit MRP [₹]  | Pack  |
|---|---|------------------|---------------|-------|
| <b>Hotel Series</b>   |   |                  |               |       |
| DND, PCU, PW Indicator with Bell Switch<br>(Do Not Disturb, Please Clean Up, Please Wait) | White   | E8331BPDMW_WE_G8 | 5,209         | 1     |
|   | Wine Gold                                       | E8331BPDMW_WG_G8 | 7,813         | 10    |
|   | Dark Grey                                       | E8331BPDMW_DG_G8 | 7,813         | 1     |
|   | Metal Gold Hairline                             | E8331BPDMW_GH_G8 | 7,813         | 10    |
|   | Light Wood                                      | E8331BPDMW_LW_G8 | 7,457         | 10    |
|   | Dark Wood                                       | E8331BPDMW_WD_G8 | 7,813         | 10    |
| 16AX 3 Gang Switch with PCU, DND, PW Sym (Do Not Disturb, Please Clean Up, Please Wait)   | White   | E8333DMWS_WE_G8  | 5,051         | 1     |
|   | Wine Gold                                       | E8333DMWS_WG_G8  | 7,233         | 10    |
|   | Dark Grey                                       | E8333DMWS_DG_G8  | 7,578         | 1     |
|   | Metal Gold Hairline                             | E8333DMWS_GH_G8  | 7,578         | 10    |
|   | Light Wood                                      | E8333DMWS_LW_G8  | 7,233         | 10    |
|   | Dark Wood                                       | E8333DMWS_WD_G8  | 7,578         | 10    |
| 250V 16A Electronic Keycard Switch  | White   | E8331EKT_WE      | 9,100         | 1     |
|   | Wine Gold                                       | E8331EKT_WG      | 13,651        | 1     |
|   | Dark Grey                                       | E8331EKT_DG      | 13,650        | 1     |
|   | Metal Gold Hairline                             | E8331EKT_GH      | 13,650        | 8     |
|   | Light Wood                                      | E8331EKT_LW      | 13,031        | 8     |
|   | Dark Wood                                       | E8331EKT_WD      | 14,300        | 1     |
| Panic Button with Key Reset   | White   | E8331KPB_WE      | 1,307         | 1     |
|   | Wine Gold                                       | E8331KPB_WG      | 2,080         | 1     |
|   | Dark Grey                                       | E8331KPB_DG      | 1,986         | 1     |
|   | Metal Gold Hairline                             | E8331KPB_GH      | 2,458         | 1     |
|   | Light Wood                                      | E8331KPB_LW      | 1,986         | 1     |
|   | Dark Wood                                       | E8331KPB_WD      | 2,458         | 1     |
| 10A 2 Gang Mechanical Curtain Switch  | White   | E8332C_WE_G8     | 1,080         | 1     |
|   | Wine Gold                                       | E8332C_WG_G8     | 1,619         | 10    |
|   | Dark Grey                                       | E8332C_DG_G8     | 1,619         | 1     |
|   | Metal Gold Hairline                             | E8332C_GH_G8     | 1,619         | 10    |
|   | Light Wood                                      | E8332C_LW_G8     | 1,546         | 10    |
|   | Dark Wood                                       | E8332C_WD_G8     | 1,619         | 10    |
| 115/240V 20VA Universal Version Shaver  | White   | E83T727V_WE      | 5,145         | 1     |
|   | Wine Gold                                       | E83T727V_WG      | 8,181         | 1     |
|   | Dark Grey                                       | E83T727V_DG      | 8,571         | 1     |
|   | Metal Gold Hairline                             | E83T727V_GH      | 8,571         | 1     |
|   | Light Wood                                      | E83T727V_LW      | 8,181         | 1     |
|   | Dark Wood                                       | E83T727V_WD      | 8,979         | 1     |
| <b>Connection Units</b>   |   |                  |               |       |
| 13A 250V 1 Gang Fused Connection Unit   | White   | E8330FSG_WE      | 1,362         | 10    |
|   | Wine Gold                                       | E8330FSG_WG      | 1,525         | 10    |
|   | Dark Grey                                       | E8330FSG_DG      | 1,525         | 1     |
|   | Light Wood                                      | E8330FSG_LW      | 1,525         | 1     |
|   | Dark Wood                                       | E8330FSG_WD      | 1,525         | 10    |
|   | 13A 250V 1 Gang Fused Connection Unit with Neon | White            | E8330FSGN_WE  | 1,476 |
| Wine Gold   |   | E8330FSGN_WG     | 1,904         | 10    |
| Dark Grey   |   | E8330FSGN_DG     | 1,904         | 1     |
| Light Wood  |   | E8330FSGN_LW     | 1,904         | 1     |
| Dark Wood   |   | E8330FSGN_WD     | 1,904         | 10    |
| 13A 250V 1 Gang Fused Connection with DP Switch and Neon                                  |   | White            | E8331DFSGN_WE | 2,666 |
|   | Wine Gold                                       | E8331DFSGN_WG    | 4,442         | 10    |
|   | Dark Grey                                       | E8331DFSGN_DG    | 4,442         | 1     |
|   | Light Wood                                      | E8331DFSGN_LW    | 4,442         | 1     |
|   | Dark Wood                                       | E8331DFSGN_WD    | 4,442         | 10    |
|   | 25A 250V 1 Gang Connection Unit                 | White            | E8331TB_WE    | 1,184 |
| Wine Gold   |   | E8331TB_WG       | 1,973         | 10    |
| Dark Grey   |   | E8331TB_DG       | 2,067         | 1     |
| Metal Gold Hairline Light   |   | E8331TB_GH       | 1,973         | 10    |
| Wood  |   | E8331TB_LW       | 1,973         | 1     |
| Dark Wood   |   | E8331TB_WD       | 2,067         | 10    |
| <b>Telecom, Network, Connectivity &amp; Media Series</b>                                  |   |                  |               |       |
| 1 Gang Telephone Socket, Shuttered Wallplate  | White   | E8331RJS4_WE     | 794           | 1     |
|   | Wine Gold                                       | E8331RJS4_WG     | 1,324         | 1     |
|   | Dark Grey                                       | E8331RJS4_DG     | 1,324         | 1     |
|   | Metal Gold Hairline                             | E8331RJS4_GH     | 1,324         | 1     |
|   | Light Wood                                      | E8331RJS4_LW     | 1,324         | 10    |
|   | Dark Wood                                       | E8331RJS4_WD     | 1,324         | 1     |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# AvatarOn - It's also a Switch



E8332RJS4\_WE



E8331RJS5\_WE



E8332RJS5\_WE



E8331RJS6\_WE



E8332RJS6\_WE



E8331TV\_WE



E8331TVSF\_WE



E8332TVFMM\_WE



E8332TDRJS5\_WE



E8332TVRJS5\_WE



E8332HDUSB\_WE



E8332HDRJS5\_WE



E8332HDHD\_WE



E8331RCA\_S\_WE



E8332HD15PH\_WE



E8331VC\_WE



E8331SC\_WE



E8332SC\_WE



E8331RJS\_WE



E8332RJS\_WE

| Product Description                      | Color                     | Product Ref. No. | Unit MRP<br>[₹] | Pack |
|--|---------------------------|------------------|-----------------|------|
| 2G Tel Socket, Shuttered Wallplate       | White                     | E8332RJS4_WE     | 1,949           | 1    |
|  | Wine Gold                 | E8332RJS4_WG     | 2,926           | 1    |
|  | Dark Grey                 | E8332RJS4_DG     | 2,793           | 1    |
| 1 Gang RJ45 Data Cat5E, Shuttered        | White                     | E8331RJS5_WE     | 1,242           | 1    |
|  | Wine Gold                 | E8331RJS5_WG     | 2,166           | 1    |
|  | Dark Grey                 | E8331RJS5_DG     | 2,067           | 1    |
|  | Metal Gold Hairline Light | E8331RJS5_GH     | 2,067           | 1    |
|  | Wood                      | E8331RJS5_LW     | 2,067           | 10   |
|  | Dark Wood                 | E8331RJS5_WD     | 2,166           | 1    |
|  | White                     | E8332RJS5_WE     | 2,269           | 1    |
| 2 Gang RJ45 Data Cat5E, Shuttered        | Wine Gold                 | E8332RJS5_WG     | 3,785           | 1    |
|  | Dark Grey                 | E8332RJS5_DG     | 3,613           | 1    |
|  | Metal Gold Hairline Light | E8332RJS5_GH     | 3,613           | 10   |
|  | Wood                      | E8332RJS5_LW     | 3,613           | 10   |
|  | Dark Wood                 | E8332RJS5_WD     | 3,785           | 1    |
| 1 Gang RJ45 Data Cat6, Shuttered         | White                     | E8331RJS6_WE     | 1,483           | 1    |
|  | Wine Gold                 | E8331RJS6_WG     | 2,224           | 1    |
| 2 Gang RJ45 Data Cat6, Shuttered         | Dark Grey                 | E8331RJS6_DG     | 2,224           | 1    |
|  | White                     | E8332RJS6_WE     | 2,780           | 1    |
|  | Wine Gold                 | E8332RJS6_WG     | 4,170           | 1    |
| 1 Gang TV Socket, 75Ω, Through-Connect   | Dark Grey                 | E8332RJS6_DG     | 834             | 1    |
|  | White                     | E8331TV_WE       | 626             | 1    |
|  | Wine Gold                 | E8331TV_WG       | 1,043           | 1    |
|  | Dark Grey                 | E8331TV_DG       | 1,043           | 1    |
|  | Metal Gold Hairline Light | E8331TV_GH       | 1,043           | 10   |
| 1 Gang TV Socket, Slave 5-1000           | Wood                      | E8331TV_LW       | 994             | 10   |
|  | Dark Wood                 | E8331TV_WD       | 1,043           | 1    |
|  | White                     | E8331TVSF_WE     | 692             | 10   |
| 2 Gang TV Master/FM Socket               | Wine Gold                 | E8331TVSF_WG     | 1,043           | 10   |
|  | Dark Grey                 | E8331TVSF_DG     | 994             | 1    |
|  | White                     | E8332TVFMM_WE    | 2,513           | 10   |
|  | Wine Gold                 | E8332TVFMM_WG    | 3,767           | 10   |
| 1 Gang Tel + RJ45 Data Cat5E, Shuttered  | Dark Grey                 | E8332TVFMM_DG    | 3,767           | 1    |
|  | White                     | E8332TDRJS5_WE   | 1,949           | 1    |
|  | Wine Gold                 | E8332TDRJS5_WG   | 3,249           | 1    |
|  | Dark Grey                 | E8332TDRJS5_DG   | 3,102           | 1    |
|  | Metal Gold Hairline Light | E8332TDRJS5_GH   | 3,102           | 1    |
|  | Wood                      | E8332TDRJS5_LW   | 2,961           | 10   |
|  | Dark Wood                 | E8332TDRJS5_WD   | 3,249           | 1    |
| 1 Gang TV+ RJ45 Data Cat5E, Shuttered    | White                     | E8332TVRJS5_WE   | 2,417           | 1    |
|  | Wine Gold                 | E8332TVRJS5_WG   | 4,033           | 1    |
|  | Dark Grey                 | E8332TVRJS5_DG   | 3,849           | 1    |
|  | Metal Gold Hairline Light | E8332TVRJS5_GH   | 3,849           | 1    |
|  | Wood                      | E8332TVRJS5_LW   | 3,674           | 10   |
|  | Dark Wood                 | E8332TVRJS5_WD   | 4,033           | 1    |
| 1 Gang TV+ RJ45 Data Cat6, Shuttered     | White                     | E8332TVRJS6_WE   | 2,417           | 1    |
|  | Wine Gold                 | E8332TVRJS6_WG   | 4,033           | 1    |
|  | Dark Grey                 | E8332TVRJS6_DG   | 3,849           | 1    |
| HDMI + USB Socket                        | White                     | E8332HDUSB_WE    | 5,151           | 1    |
|  | Wine Gold                 | E8332HDUSB_WG    | 8,584           | 8    |
|  | Dark Grey                 | E8332HDUSB_DG    | 8,193           | 1    |
| HDMI + RJ45 Data Cat5E, Shuttered        | White                     | E8332HDRJS5_WE   | 3,135           | 1    |
|  | Wine Gold                 | E8332HDRJS5_WG   | 4,701           | 1    |
|  | Dark Grey                 | E8332HDRJS5_DG   | 4,701           | 1    |
| 2 Gang HDMI+HDMI , Keystone on Wallplate | White                     | E8332HDHD_WE     | 2,825           | 1    |
|  | Wine Gold                 | E8332HDHD_WG     | 4,708           | 8    |
|  | Dark Grey                 | E8332HDHD_DG     | 4,708           | 1    |
| RCA/S-Video Socket                       | White                     | E8331RCA_S_WE    | 1,983           | 1    |
|  | Wine Gold                 | E8331RCA_S_WG    | 2,839           | 1    |
|  | Dark Grey                 | E8331RCA_S_DG    | 2,839           | 1    |
| VGA + Mini Audio                         | White                     | E8332HD15PH_WE   | 1,983           | 1    |
|  | Wine Gold                 | E8332HD15PH_WG   | 2,839           | 1    |
|  | Dark Grey                 | E8332HD15PH_DG   | 2,839           | 1    |
| Volume control, 5W, 80hm                 | White                     | E8331VC_WE       | 2,248           | 1    |
|  | Wine Gold                 | E8331VC_WG       | 3,372           | 10   |
|  | Dark Grey                 | E8331VC_DG       | 3,372           | 1    |
| Speaker Connection, One Pair             | White                     | E8331SC_WE       | 1,822           | 10   |
|  | Wine Gold                 | E8331SC_WG       | 2,864           | 10   |
|  | Dark Grey                 | E8331SC_DG       | 2,734           | 1    |
| Speaker Connection, Two Pair             | White                     | E8332SC_WE       | 2,644           | 1    |
|  | Wine Gold                 | E8332SC_WG       | 3,966           | 1    |
|  | Dark Grey                 | E8332SC_DG       | 3,786           | 1    |
| 1 Gang S Keystone Wallplate (w/o Mod)    | White                     | E8331RJS_WE      | 587             | 10   |
|  | Wine Gold                 | E8331RJS_WG      | 881             | 10   |
|  | Dark Grey                 | E8331RJS_DG      | 881             | 1    |
| 2 Gang S Keystone Wallplate (w/o Mod)    | White                     | E8332RJS_WE      | 1,103           | 10   |
|  | Wine Gold                 | E8332RJS_WG      | 1,654           | 10   |
|  | Dark Grey                 | E8332RJS_DG      | 1,654           | 1    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Kavacha - Weather Protected Series



- Pleasing looks with **IP56 protection**
- Large press switch
- Co-moulded sealing with no risk of gasket damage
- Chemical resistant & UV stabilised



WHT20-GY-EX



CSW110-GY-EX



A3031WBP\_WE

| Description  | Reference       | Unit MRP [₹] | Pack |
|--|-----------------|--------------|------|
| <b>Kavacha IP56 Surface Mount Switches</b>                         |                 |              |      |
| <b>Switches with Looping Terminal</b>                              |                 |              |      |
| 10A 1 Gang 2 Way Switch  | CSW110-GY-EX    | 3,543        | 1    |
| 20A/16A 1 Gang 2 Way Switch  | CSW120-GY-EX    | 5,303        | 1    |
| 10 A 2 Gang 2 Way Switch   | CSW110/2-GY-EX  | 6,287        | 1    |
| 10A 1 Gang 2 Way Bell Press Return Switch                          | CSW110BPR-GY-EX | 3,926        | 1    |
| <b>Switches with Looping Terminal with Neon</b>                    |                 |              |      |
| 20A 1 Gang 2 Way with Looping Terminal with Neon                   | CSW120N-GY-EX   | 4,599        | 1    |
| <b>Double Pole Switches</b>  |                 |              |      |
| 20A 1 Gang Double Pole Switch                                      | CSW220-GY-EX    | 5,323        | 1    |
| <b>Kavacha Heavy Duty Isolator Switches</b>                        |                 |              |      |
| 35A Triple Pole  | WHT35-GY-EX     | 6,454        | 1    |
| 55A Triple Pole  | WHT55-GY-EX     | 10,590       | 1    |
| 63A Triple Pole  | WHT63-GY-EX     | 8,312        | 1    |
| <b>Kavacha IP56 Surface Mount Combined Switched Socket Outlets</b> |                 |              |      |
| <b>Combination Switch Socket Outlets</b>                           |                 |              |      |
| 16A Single Pole Switched Socket Outlet                             | CSC316RP-GY-EX  | 4,360        | 1    |
| <b>Kavacha IP56 Surface Mount Socket Outlets</b>                   |                 |              |      |
| 16A Socket Outlet  | CSO316RP-GY-EX  | 2,933        | 1    |
| <b>Kavacha Full-Time Weatherproof Cover</b>                        |                 |              |      |
| Full-Time Weatherproof Single Gang Socket Cover (Transparent) IP55 | E223R_TR        | 1,062        | 1    |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Metal Boxes



- **Weld free design** to minimize corrosion and rusting without compromising on strength
- Mounting clip and earth pin designed for **easier installation** and to **avoid loss during transportation**
- Removable side plates and optimized knock outs and for **easier wiring**
- Completely tested & validated as per **IS 14772**

| Description   | Reference | Unit MRP [₹] | Pack |
|---|-----------|--------------|------|
| <b>Metal Boxes for Indian Format Ranges (Livia, Opale Clipsal X, Unica Pure &amp; ZENcelo India) <span style="color: green;">NEW</span></b> |           |              |      |
| <b>0.8 mm thickness</b>   |           |              |      |
| Metal Box 1 & 2 modules   | ME0102    | 105          | 20   |
| Metal Box 3 modules   | ME0103    | 135          | 20   |
| Metal Box 4 modules   | ME0104    | 156          | 20   |
| <b>1 mm thickness</b>   |           |              |      |
| Metal Box 1 & 2 modules   | MR1102    | 116          | 20   |
| Metal Box 3 modules   | MR1103    | 153          | 20   |
| Metal Box 4 modules   | MR1104    | 177          | 20   |
| Metal Box 6 modules   | MR1106    | 240          | 10   |
| Metal Box 8 modules - Horizontal  | MR1108    | 311          | 10   |
| Metal Box 8 modules - Square  | MR1109    | 311          | 10   |
| Metal Box 12 module   | MR1112    | 400          | 5    |
| Metal Box 18 modules  | MR1118    | 474          | 5    |

| Description  | Reference | Unit MRP [₹] | Pack |
|--|-----------|--------------|------|
| <b>Metal Boxes for BS Format Ranges (AvatarON, ZENcelo BS, NEO, ULTI) - New &amp; Improved Design <span style="color: green;">NEW</span></b> |           |              |      |
| <b>Use Bracket/Frame to ensure alignment of switches on 2/3/4 Gang Metal Box (refer to Avataron section for references)</b>                  |           |              |      |
| <b>1 mm thickness</b>  |           |              |      |
| 2 GANG GI Metal Boxes  | MM1102    | 291          | 20   |
| 3 GANG GI Metal Boxes  | MM1103    | 413          | 20   |
| 4 GANG GI Metal Boxes  | MM1104    | 534          | 20   |

- Special Metal Box with Gang Partition to accommodate BS format ranges
- Single Metal Box can accommodate up to 4 units
- Number of Gangs for Metal Box = Number of units that it can accommodate (Eg. 3 GANG Metal Box can accommodate up to 3 BS format Units)

Please contact Customer Care Center for Stockable and Non stockable status of references.

**NORMAL STOCK ITEMS**

W.E.F. January 30<sup>th</sup>, 2023



## Make your home smart with our Wiser - Smart Homes offering.

- Easy to operate
- Easy to maintain
- Easy to control
- Easy on pocket

A solution which blends with your existing Switches and all this without any change in Wiring.

With the Internet of Things taking over the lives, automation has made lives simpler and homes smarter.

Smart homes are the base to smart cities and a much secure lifestyle. It is a connected home technology that is designed to automate functions and grant you control over the property.

- Set the schedule, and the rest is automated and based on your personal preferences thus providing convenience, control, money savings, and an overall smarter home.
- Alerts about lights still switched on after leaving the house
- Make personalization's to the home using just an app

## Once there were smart homes, now there are Wiser™.

Smart homes are about technologies. Wiser Homes evolve around people. It adds a new dimension - being Stylish, Living Well and Eco-friendly Interlinks the electrical, multi-media and telecommunication worlds with a single and user-friendly solution - enabling you to monitor, control and access your home beyond physical boundaries at anytime, anywhere.

### Features

- Integrates with any existing switch.
- Interlinks the electrical, multi-media and telecommunications worlds through Wi-Fi, providing
  - True and easy integration for devices from different brands and makes.
- The intuitive graphic user interface with jargon-free language and self-explanatory icons is easy-to-use, while the interface is consistent across different control devices and no need to spend extra time to learn different control interfaces.
- Control and access home anywhere and at any time through the secured wireless connection.
  - With time scheduling, scene control



| SE Ref.  | Description of reference | Unit MRP [₹] |
|--|--------------------------|--------------|
| Wiser 4 Channel Automation Relay                                   | IH14000100               | 12,786       |
| Wiser Automation Gateway   | IH101ZWIFI               | 35,987       |
| 2 Channel Dimmer Controller  | IH12000020               | 15,786       |
| Wiser 1 Channel Analog Dimmer + 1 Channel Direct dimmer Controller | IH12001010               | 15,786       |
| Wiser Curtain Controller   | IH11000200               | 14,915       |
| Fan Speed Controller   | IH1200010F               | 15,786       |
| Smart Doorbell   | IH100WFVDP               | 27,211       |
| IR Controller  | IH101ZW2IR               | 14,786       |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Surface and Flush Mount Occupancy Sensors



PIR, Ultrasonic Sensors & High Frequency sensor suitable for both Surface & Flush Mount

| Description  | Reference       | Unit MRP [₹] |
|--|-----------------|--------------|
| Surface Mount Single-Load 360 degrees PIR              | CSS54E_WE       | 3,788        |
| Flush/Surface Mount Single-Load 360 degrees PIR        | SAE-UE-MS-CSAWE | 4,569        |
| ARGUS Presence Dual-Tech PIR & Ultrasonic Sensor - 1ch | CCT551011       | 18,391       |
| ARGUS Presence Dual-Tech - 2ch                         | CCT551012       | 16,469       |
| ARGUS IR Remote Controller Dual-Tech                   | CCT556011       | 15,267       |
| ARGUS Presence High Frequency High Bay Sensor - 2ch    | CCT551023       | 18,391       |
| ARGUS IR Remote Controller HF                          | CCT556023       | 15,267       |
| ARGUS Presence Wide Sense - 2ch                        | CCT551003       | 15,260       |
| INFRASCAN OUTDOOR 3WIRE 10A                            | 750WPR-GY       | 19,647       |
| INFRASCAN INDOOR 3WIRE 10A                             | 751R-WE         | 10,606       |
| INFRASCAN 360DEGREE 3WIRE                              | 753R-WE         | 11,901       |



PIR Flush Mount Sensors

| Description  | Reference       | Unit MRP [₹] |
|--|-----------------|--------------|
| ARGUS Standard min 360° False ceiling indoor movement detector   | CCT570005       | 5,453        |
| ARGUS Standard 360° False ceiling indoor movement detector - 2ch | CCT570003       | 7,850        |
| Flush Mount Dual load 360 degrees standalone sensor              | SAE-UE-MS-CDBWE | 9,116        |



## Dimmable Sensors with Light Regulation

0-10V Analogue & Dali Dimmable Sensor

| Description  | Reference       | Unit MRP [₹] |
|--|-----------------|--------------|
| Flush/Surface Mount Dual Load 360° PIR, 0-10V Analogue Dimmable Sensor with remote | SAE-UE-MS-CDDWE | 12,089       |
| ARGUS Presence DALI 230V - 2 zones   | CCT552006       | 19,630       |
| ARGUS Presence DALI 230V - Slave   | CCT555006       | 14,070       |
| ARGUS IR Remote Controller DALI  | CCT556006       | 16,032       |
| ARGUS Presence Master with IR, DALI  | MTN5510-1519    | 21,075       |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Wall Mount Sensors



## BS Standard & Outdoor IP55 Sensor

| Description   | Reference     | Unit MRP [₹] |
|---|---------------|--------------|
| Neo C-Metro 200 degrees wall mount sensor, grey colour  | E3751MS3C_GS  | 5,581        |
| Neo C-Metro 90 degrees wall mount sensor, grey colour   | E3751MS3A_GS  | 7,777        |
| Zencelo 110 degrees wall mount sensor, white colour   | E84751MS3B_WE | 5,507        |
| Zencelo 90 degrees wall mount sensor, white colour  | E84751MS3A_WE | 5,507        |
| Argus 110 Electronic outdoor movement detector, angle of detection 110 degrees, max. range 12 mtrs, IP55 protection                     | MTN565119     | 8,029        |
| Argus 220 Electronic movement detector for outdoor ceiling mounting angle of detection 220 degrees, max. range 12 mtrs, IP55 protection | MTN565219     | 12,388       |
| <b>Accessories</b>  |               |              |
| Mounting bracket for Argus 110 and Argus 220 Sensors  | MTN565291     | 1,495        |

## Hotel - ELV Dual Motion Sensor

| Description                 | Reference         | Unit MRP [₹] |
|-----------------------------|-------------------|--------------|
| ELV DUAL TECH MOTION SENSOR | SAE_UE_MS_CULV_WE | 13,114       |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Timers & Time Switches

## Analog Time Switches



- 24H, 7D Programmable switch Voltage Rating: 230V AC +10%, -15%
- Memory: Upto 56 Switching Operations
- Back up of program: Operating reserve for 100, 200 Hours
- Overall dimensions: 5 modules
- Minimum time between two switching operations: 15, 30 min
- Accuracy:  $\leq \pm 1$  s/day at +20°C

| Description  | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|--|-----------------------------|-----------|-----------------|
| IH 24H 16 A 15 mts interval 1 channel                                    | 1                           | 15336     | 5423            |
| IH 24H 16 A 30 mts interval 1 channel                                    | 1                           | CCT15365  | 5915            |
| IH 24H + 7 day 10 A 1 channel- Max 16 On, 16 Off and 7 On + 7 Off cycles | 3                           | 15366     | 9102            |
| IH 7 day 16 A 1 channel- Max 21 On and 21 Off cycles                     | 3                           | CCT15367  | 8468            |
| IH 24H 16 A 30 mts 1 channel without reserve                             | 3                           | CCT16364  | 4805            |

## Digital Time Switches



- 7D, 24H Programmable switch .Voltage Rating: 230V AC +10%, -15%
- Consumption: 1 channel - max. 4VA; 2 channels - max. 7VA
- Memory: Upto 56 Switching Operations
- Back up of program & time by lithium battery: Operating reserve: 6 Years
- Overall dimensions: 5 modules
- Cable length: 100m
- Minimum time between two switching operations: 1 min

| Description                                      | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|--|-----------------------------|-----------|-----------------|
| IHP 1C w (24h/7d) programmable time switch       | 2.5                         | CCT15441  | 11656           |
| IHP+ 1C (24h/7d) SMARTw programmable time switch | 2.5                         | CCT15551  | 14380           |
| IHP 2C w (24h/7d) programmable time switch       | 2.5                         | CCT15443  | 15036           |
| IHP DCF (24h/7d) SMART programmable time switch  | 2.5                         | CCT15858  | 24853           |
| IHP+ 2C (24h/7d) SMARTw programmable time switch | 2.5                         | CCT15553  | 16636           |

## Timers



- Switching capacity 16 A, max
- Delay range from 30 sec to 20 min
- Capacity for lighted pushbutton 150 mA
- Electric distribution busbar compatibility
- Output power capacity CCT15232-2300W
- Output power capacity CCT15223-3600W

| Description  | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|--|-----------------------------|-----------|-----------------|
| MINs - electronic timer - 0.5 to 20 min  | 1                           | CCT15232  | 6584            |
| MINs - electronic timer - 0.5 to 20 min with switch Off Warning                            | 1                           | CCT15233  | 8455            |
| MINs - electronic timer - 0.5 to 20 min with switch Off Warning and Impulse relay function | 1                           | CCT15234  | 8345            |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Twilight switch



- Includes wall mounted cell
- Adjustable brightness threshold 2 to 2000 Lux
- 2 LEDs to signal the sensor status and the output status
- Test button: To check the product and load cabling
- Switching capacity: 16Amp
- Screwless Terminals compatible with rigid and flexible wires
- Consumption 6 VA
- Size 45mm

| Description  | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|--|-----------------------------|-----------|-----------------|
| IC2000 outdoor (2 - 2000 lux) twilight switch                  | 1                           | CCT15369  | 13887           |
| Analogue indoor light sensor cell                              | -                           | CCT15262  | 6852            |
| Wall mounted Analogue outdoor light sensor cell                | -                           | CCT15263  | 10621           |
| IC100 (2 - 100 lux) twilight switch                            | 1                           | CCT15482  | 11682           |
| IC2000 indoor (2 - 2000 lux) twilight switch                   | 1                           | CCT15285  | 10410           |
| IC2000p+ (2 - 2000 lux) programmable twilight switch           | 2.5                         | CCT15483  | 25336           |
| IC100kp+ 1C (1 - 99000 lux) SMART programmable twilight switch | 2.5                         | CCT15494  | 29184           |
| IC100kp+ 2C (1 - 99000 lux) SMART programmable twilight switch | 2.5                         | CCT15495  | 35928           |
| IC Astro 2C SMART programmable twilight switch                 | 2.5                         | CCT15245  | 26484           |
| IC Astro 1C SMART programmable twilight switch                 | 2.5                         | CCT15225  | 21224           |

## Time switch accessories

| Description                  | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|------------------------------|-----------------------------|-----------|-----------------|
| Programming kit for IHP / IC | 1                           | CCT15860  | 11657           |

## Thermostat

| Description                               | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|---|-----------------------------|-----------|-----------------|
| THP1+ 1C (24h/7d) programmable thermostat | 2.5                         | CCT15834  | 26516           |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023









Life Is 

**Schneider**  
 Electric

## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurugram 122002 Haryana  
Tel.: ++91 124 6899000 Fax: ++91 124 4222036/037

### Ahmedabad

Schneider Electric India (P) Ltd.  
1506-1507, 15<sup>th</sup> Floor Shapth-5  
Opp.Karnavati Club, SG Highway,  
Ahmedabad, Gujarat - 380015  
Tel.: 079-66826701

### Bengaluru

Schneider Electric India (P) Ltd.  
No. 3/1, JP Techno Park  
Mezzanine Floor, Millers Tank Bund  
Road, Vasanth Nagar  
Bengaluru - 560052  
Tel.: 080-71481351

### Bhubaneswar

Schneider Electric India (P) Ltd.  
Workloop Co-Working in the property  
Office No. 316, Esplanade One Mall  
Rasulgarh, Bhubaneswar - 751010

### Chennai

Schneider Electric India (P) Ltd.  
No: 29, 2<sup>nd</sup> Floor,  
Bannari Amman Towers, B-Block  
Dr. Radhakrishnan Road, Mylapore  
Chennai - 600 004  
Tel.:044-71912000

### Cochin

Schneider Electric India (P) Ltd.  
Alapatt Properties Private Limited  
(Trade Name : Centre A)  
Main Door Number : 66/4971  
(Old Door Number: 40/6584-H)  
7<sup>th</sup> Floor Alapatt Heritage Building  
MG Road Kochi - 682035

### Coimbatore

Schneider Electric India (P) Ltd.  
Hanudev Info Tech Park, 6<sup>th</sup> Floor  
Unit No. Block-C, SF No. 558/2  
Udalyampalayam Road, Nava India  
Coimbatore - 641028

### Hyderabad

Schneider Electric India (P) Ltd.  
D.No. 1-8-271, # 401, Ashoka  
Bhoopal Chambers, SP Road  
Secunderabad - 500003  
Tel.: 040-67219500

### Indore

Schneider Electric India (P) Ltd.  
219, Dhan Trident Building  
Vijay Nagar, A.B.Road  
Indore - 452001

### Jaipur

Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309  
3<sup>rd</sup> Floor, Sangam Tower 190  
Church Road, Jaipur - 302001  
Tel.: 0141-2374810

### Kolkata

Schneider Electric (I)Pvt.Ltd,  
BP-4, Sector-V, Technopolis  
3<sup>rd</sup> Floor, Salt Lake City  
Kolkata - 700 091  
Tel.: 033-66576400

### Lucknow

Schneider Electric India (P) Ltd.  
Summit, Plot No. TCG 3/3  
6<sup>th</sup> Floor, 604A/B/C, Vibhuti Khand  
Gomti Nagar, Lucknow  
Uttar Pradesh - 226010  
Tel.: 0522-3500334

### Ludhiana

Schneider Electric India (P) Ltd.  
SCO 23, 2nd Floor,  
Chandigarh Road, Sector 32  
Ludhiana, Punjab -141010  
Tel.: 0161- 5203011

### Mohali

Schneider Electric India (P) Ltd.  
2nd Floor, Tower-A  
Bestech Business Tower  
Mega Information & Technology Park  
Industrial Plot No.1, Phase IX  
(Expansion), Mohali - 160059  
Tel.: 0172-7198200

### Mumbai

Schneider Electric India (P)( Ltd)  
Marwah House, 2<sup>nd</sup> Floor  
Krishanlal Marwah Marg  
Andheri (East), Mumbai - 400072  
Tel.: 022-62280000

### Nagpur

Schneider Electric India (P) Ltd.  
6, Vasant Vihar Complex  
W.H.C Road, Shankar Nagar  
Nagpur - 440010  
Tel.: 0712-2558581

### Nashik

Schneider Electric India (P) Ltd.  
401, 4<sup>th</sup> Floor, Rishi Raj Towers  
Jehan Circle, Gangapur Road  
Nashik - 422013  
Tel.: 0253-2344333

### New Delhi

Schneider Electric India (P) Ltd.  
C-56, Mayapuri Industrial Area, Phase-2  
New Delhi - 110064  
Tel.: 011-61317400

### Pune

Schneider Electric India (P) Ltd.  
Amar Caliber, CTS No 911, BMCC Road,  
OFF F.C. Road, Deccan Gymkhana,  
Shivaji Nagar, Pune - 411007  
Tel.: 020-67492500

### Vadodara

Schneider Electric India (P) Ltd.  
Notus IT Park, 10<sup>th</sup> Floor, Block-D  
Sarabhai Campus, Vadiwadi  
Vadodara, Gujarat - 390017

### Vishakhapatnam

Schneider Electric India (P) Ltd.  
D.N.10-1-43, 1<sup>st</sup> Floor  
Ratnam's Business Centre,  
Siripuram Fort, C.B.M.Compound  
Visakhapatnam - 530016  
Tel.: 0891-6675500

### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 419 4272, 1800 103 0011

Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

For more information, visit our website at: [www.se.com/in](http://www.se.com/in)

- All Prices are in Indian Rupees.
- Prices are subject to change without prior notice.
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice.
- Prices charged will be as prevailing on the date of dispatch.
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %
- Tax incidence on invoices is basis applicable GST rates.
- Invoice amount not to exceed MRP.
- Product pictures shown are for illustration purpose only, actual product may vary.

**Distributor**

Life Is On

**Schneider**  
Electric

 Price List

# Industrial Automation Products

With effect from January 30<sup>th</sup>, 2023



[se.com/in](https://se.com/in)



|  |            |
|--|------------|
| <b>Phaseo Power Supplies &amp; Transformers</b>                        |            |
| ■ Phaseo Power Supplies  | 4          |
| ■ Phaseo Transformers  | 6          |
| <b>Harmony Smart Relays</b>  | <b>8</b>   |
| <b>Altivar AC Drives</b>   | <b>10</b>  |
| ■ Altivar Variable Frequency Drives                                    | 13         |
| <b>Altivar Process Modular ATV6XX/9XX</b>                              | <b>25</b>  |
| ■ Altivar Process Variable Frequency Drives                            | 26         |
| <b>Altistart <sup>New</sup></b>  | <b>33</b>  |
| ■ Altistart Soft Starter   | 33         |
| ■ Altistart 480  | 36         |
| <b>Harmony</b>   | <b>37</b>  |
| ■ Harmony Plug - In Relays   | 38         |
| ■ Harmony Electronic Timers/Control Relays                             | 42         |
| <b>Control &amp; Signaling Components</b>                              | <b>44</b>  |
| ■ Harmony Control & Signalling Units XA2 Series                        | 45         |
| ■ Harmony Control & Signalling Units XB5/XB7 Series (Lot size 20 nos.) | 46         |
| ■ Harmony Control & Signalling Units XB2                               | 52         |
| ■ Harmony Control Stations & Enclosures                                | 53         |
| ■ Signalling Illuminated Beacons & Indicator Banks                     | 54         |
| ■ Signalling Monolithic Tower Light                                    | 59         |
| ■ Control Pendant Control and Light Duty Joystick                      | 61         |
| <b>Telemecanique Sensors</b>   | <b>68</b>  |
| ■ Osisense Photoelectric Sensors                                       | 71         |
| ■ Osisense Pressure Switches   | 74         |
| ■ Osisense Limit Switch  | 75         |
| ■ Osisense Inductive Sensors   | 82         |
| ■ Osisense Application Sensors   | 86         |
| ■ Osisense Cable Accessories   | 87         |
| <b>Harmony</b>   | <b>88</b>  |
| ■ Harmony Basic HMI Panels for Simple Machines                         | 90         |
| ■ Harmony Advanced HMI Panels for Performance Machines                 | 93         |
| ■ Harmony HMI Software and Services                                    | 97         |
| <b>TeSys Range</b>   | <b>105</b> |
| ■ TeSys K  | 106        |
| ■ TeSys Deca   | 108        |
| <b>New TeSys Giga Contactors and Relays Futuristic ready</b>           | <b>117</b> |
| ■ TeSys Giga   | 119        |
| ■ TeSys H - Ultra Compact Hybrid Motor Starters                        | 120        |
| <b>Protection Relays for Motor Safety</b>                              | <b>122</b> |
| <b>TeSys Protect</b>   | <b>123</b> |
| ■ TeSys K, TeSys Deca, TeSys F, TeSys Giga                             | 123        |
| ■ EOLR   | 125        |
| ■ Analog EOCR  | 125        |
| ■ EOCR SS  | 125        |
| ■ EOCR SSD   | 125        |
| ■ Digital EOCR   | 126        |
| <b>TeSys Power</b>   | <b>127</b> |
| ■ Circuit Breakers for Motor Protection                                | 128        |
| ■ GV4LE  | 129        |
| ■ GV4PE  | 129        |
| ■ Accessories for GV4  | 130        |
| ■ Auxiliary Contact Blocks   | 130        |
| ■ Accessories compatibility  | 132        |
| ■ TeSys GV4 Overview   | 134        |
| ■ TeSys Switches   | 135        |
| ■ Accessories for Switches   | 136        |
| <b>TeSys island</b>  | <b>137</b> |
| ■ Ultra motor starters   | 140        |
| <b>ComPact NSXm &amp; NSX</b>  | <b>142</b> |
| ■ ComPact NSXm Moulded Case Circuit Breakers                           | 143        |
| ■ MCCB with Integrated Earth Leakage Protection                        | 144        |
| ■ Switch Disconnecter  | 145        |
| ■ EasyPact EZC/CVS   | 146        |
| <b>Acti 9</b>  | <b>148</b> |
| ■ Miniature Circuit Breakers (MCBs)                                    | 149        |
| ■ Residual Current Devices   | 151        |
| ■ Auxiliaries and Accessories for MCBs / RCDs                          | 154        |
| ■ Surge Protection Devices   | 156        |
| ■ Control and Command Products   | 158        |

Panel Mount EasySeries



- Wide power range (7 models from 35 to 350 W)
- High degree of output voltage stability (precision: ± 1%)
- Proven performance (MTBF over 600K hours)
- Diagnostics via LEDs at the output terminal
- 4 quick and simple mounting types

| Input Voltage               | Output Voltage | Output Current | Reference     | Description                             | Unit MRP [₹] |
|-----------------------------|----------------|----------------|---------------|---|--------------|
| 100...240 V AC single phase | 24V            | 1.5A           | ABL2REM24015K | ABL2_K Power Supply, DC24V output, 35W  | 2669         |
| 100...240 V AC single phase | 24V            | 2A             | ABL2REM24020K | ABL2_K Power Supply, DC24V output, 50W  | 2959         |
| 100...240 V AC single phase | 24V            | 4.5A           | ABL2REM24045K | ABL2_K Power Supply, DC24V output, 100W | 4382         |
| 100...240 V AC single phase | 24V            | 6.5A           | ABL2REM24065K | ABL2_K Power Supply, DC24V output, 150W | 5287         |
| 100...240 V AC single phase | 24V            | 8.5A           | ABL2REM24085K | ABL2_K Power Supply, DC24V output, 200W | 7011         |
| 100...240 V AC single phase | 24V            | 10A            | ABL2REM24100K | ABL2_K Power Supply, DC24V output, 250W | 8019         |
| 100...240 V AC single phase | 24V            | 15A            | ABL2REM24150K | ABL2_K Power Supply, DC24V output, 350W | 13076        |

Panel Mount - ABLP



- Multiple mounting positions
- Din rail mounting with accessory
- IEC 61000-3-2 compliant (EMC emissions)
- Output voltage adjustment
- 100-240 Vac Input

| Input Voltage               | Output Voltage | Output Current | Reference   | Description                             | Unit MRP [₹] |
|-----------------------------|----------------|----------------|-------------|---|--------------|
| 100...240 V AC single phase | 12V            | 8.5A           | ABLP1A12085 | Power Supply 12V 8.5A Panel Mount, 100W | 8451         |
| 100...240 V AC single phase | 24V            | 4.5A           | ABLP1A24045 | Power Supply 24V 4.5A Panel Mount, 100W | 7748         |
| 100...240 V AC single phase | 24V            | 6.2A           | ABLP1A24062 | Power Supply 24V 6.2A Panel Mount, 150W | 11043        |
| 100...240 V AC single phase | 24V            | 10A            | ABLP1A24100 | Power Supply 24V 10A Panel Mount, 240W  | 15212        |

Modular ABLM



- Mounting on panel with screw without additional part
- Up to +70°C operating
- Direct access to the documentation
- Over voltage Category III
- Compact size

| Input Voltage               | Output Voltage | Output Current | Reference   | Description                        | Unit MRP [₹] |
|-----------------------------|----------------|----------------|-------------|------------------------------------|--------------|
| 100...240 V AC single phase | 5V             | 3.6A           | ABLM1A05036 | Power Supply 5V 3.6A Modular, 18W  | 7742         |
| 100...240 V AC single phase | 12V            | 1A             | ABLM1A12010 | Power Supply 12V 1A Modular, 12W   | 5509         |
| 100...240 V AC single phase | 12V            | 2.1A           | ABLM1A12021 | Power Supply 12V 2.1A Modular, 25W | 7742         |
| 100...240 V AC single phase | 12V            | 4.2A           | ABLM1A12042 | Power Supply 12V 4.2A Modular, 50W | 10229        |
| 100...240 V AC single phase | 24V            | 0.4A           | ABLM1A24004 | Power Supply 24V 0.4A Modular, 10W | 4631         |
| 100...240 V AC single phase | 24V            | 0.6A           | ABLM1A24006 | Power Supply 24V 0.6A Modular, 15W | 5668         |
| 100...240 V AC single phase | 24V            | 1.2A           | ABLM1A24012 | Power Supply 24V 1.2A Modular, 30W | 7742         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



Optimized ABL5



- 3 housings, select the best suited to the space
- Up to 6 output terminals
- Output voltage adjustment
- Direct access to the documentation
- 100-240 Vac Input

| Input Voltage               | Output Voltage | Output Current | Reference   | Description                            | Unit MRP [₹] |
|-----------------------------|----------------|----------------|-------------|--|--------------|
| 100...240 V AC single phase | 12V            | 6.2A           | ABLS1A12062 | Power Supply 12V 6.2A Optimized, 75W   | 8685         |
| 100...240 V AC single phase | 12V            | 10A            | ABLS1A12100 | Power Supply 12V 10A Optimized, 120W   | 13064        |
| 100...240 V AC single phase | 24V            | 2.1A           | ABLS1A24021 | Power Supply 24V 2.1A Optimized, 50W   | 8103         |
| 100...240 V AC single phase | 24V            | 3.1A           | ABLS1A24031 | Power Supply 24V 3.1A Optimized, 75W   | 8337         |
| 100...240 V AC single phase | 24V            | 3.8A           | ABLS1A24038 | Power Supply 24V 3.8A Optimized, 91.2W | 14029        |
| 100...240 V AC single phase | 24V            | 5A             | ABLS1A24050 | Power Supply 24V 5A Optimized, 120W    | 12318        |
| 100...240 V AC single phase | 24V            | 10A            | ABLS1A24100 | Power Supply 24V 10A Optimized, 240W   | 18041        |
| 100...240 V AC single phase | 24V            | 20A            | ABLS1A24200 | Power Supply 24V 20A Optimized, 480W   | 32597        |
| 100...240 V AC single phase | 48V            | 2.5A           | ABLS1A48025 | Power Supply 48V 2.5A Optimized,120W   | 13064        |

Universal ABL8RP/WP



- 100-500 Vac (1 or 2 Phases) Or 380-500Vac 3 Phases Input terminals
- Automatic or Manual reset
- 2 diagnosis LED (U/I)
- 4 to 10 mm<sup>2</sup> output terminals
- Tool-free removal from omega (DIN) rail
- Protection of settings (sealable)
- Diagnosis relay

| Input Voltage   | Output Voltage | Output Current | Reference    | Description                         | Unit MRP [₹] |
|---|----------------|----------------|--------------|-------------------------------------|--------------|
| 100...120 V AC single phase, terminal(s): N-L1<br>200...500 V AC phase to phase, terminal(s): L1-L2 | 24V            | 3A             | ABL8RPS24030 | Univ. Power Supply 1P 24V 3A, 72W   | 17518        |
| 100...120 V AC single phase, terminal(s): N-L1<br>200...500 V AC phase to phase, terminal(s): L1-L2 | 24V            | 5A             | ABL8RPS24050 | Univ. Power Supply 1P 24V 5A, 120W  | 22647        |
| 100...120 V AC single phase, terminal(s): N-L1<br>200...500 V AC phase to phase, terminal(s): L1-L2 | 24V            | 10A            | ABL8RPS24100 | Univ. Power Supply 1P 24V 10A, 240W | 25872        |
| 380...500 V AC three phase, terminal(s): L1, L2, L3   | 24V            | 20A            | ABL8WPS24200 | Univ. Power Supply 3P 24V 20A, 480W | 38696        |
| 380...500 V AC three phase, terminal(s): L1, L2, L3   | 24V            | 40A            | ABL8WPS24400 | Univ. Power Supply 3P 24V 40A, 960W | 67492        |

Accessories for ABLP

| Input Voltage | Output Voltage | Output Current | Reference | Description                              | Unit MRP [₹] |
|---------------|----------------|----------------|-----------|--|--------------|
|               |                |                | ABLPA01   | Mounting Kit for Power Supply up to 150W | 1127         |
|               |                |                | ABLPA02   | Mounting Kit for Power Supply 240W       | 1127         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**ABT7 - Economy Range (Single Winding)**

| Input Voltage                               | Output Voltage | Rated Power in VA | Reference   | Unit MRP [₹] |
|---|----------------|-------------------|-------------|--------------|
| <b>Single phase 230V 40VA - 400VA 40° C</b> |                |                   |             |              |
| 230 V AC single phase ±15 V                 | 24 V AC        | 40                | ABT7ESM004B | 10252        |
| 230 V AC single phase ±15 V                 | 24 V AC        | 63                | ABT7ESM006B | 7957         |
| 230 V AC single phase ±15 V                 | 24 V AC        | 100               | ABT7ESM010B | 8524         |
| 230 V AC single phase ±15 V                 | 24 V AC        | 160               | ABT7ESM016B | 10408        |
| 230 V AC single phase ±15 V                 | 24 V AC        | 250               | ABT7ESM025B | 13915        |
| 230 V AC single phase ±15 V                 | 24 V AC        | 320               | ABT7ESM032B | 17232        |
| 230 V AC single phase ±15 V                 | 24 V AC        | 400               | ABT7ESM040B | 19232        |

**ABL6 - Optimum Range (Single Winding)**

| Input Voltage                                    | Output Voltage | Rated Power in VA | Reference                                      | Unit MRP [₹] |
|--|----------------|-------------------|--|--------------|
| <b>Single phase 230/400V 25VA - 2500VA 50° C</b> |                |                   |  |              |
| 230/400 V single phase ±15 V                     | 24 V AC        | 25                | ABL6TS02B                                      | 9974         |
| 230/400 V single phase ±15 V                     | 24 V AC        | 40                | ABL6TS04B                                      | 9496         |
| 230/400 V single phase ±15 V                     | 24 V AC        | 63                | ABL6TS06B                                      | 9765         |
| 230/400 V single phase ±15 V                     | 24 V AC        | 100               | ABL6TS10B                                      | 11530        |
| 230/400 V single phase ±15 V                     | 24 V AC        | 160               | ABL6TS16B                                      | 13293        |
| 230/400 V single phase ±15 V                     | 24 V AC        | 250               | ABL6TS25B                                      | 17102        |
| 230/400 V single phase ±15 V                     | 24 V AC        | 400               | ABL6TS40B                                      | 24565        |
| 230/400 V single phase ±15 V                     | 24 V AC        | 630               | ABL6TS63B                                      | 34113        |
| 230/400 V single phase ±15 V                     | 24 V AC        | 1000              | ABL6TS100B                                     | 41909        |
| 230/400 V single phase ±15 V                     | 24 V AC        | 1600              | ABL6TS160B                                     | 86932        |
| 230/400 V single phase ±15 V                     | 24 V AC        | 2500              | ABL6TS250B                                     | 142438       |
| 230/400 V single phase ±15 V                     | 115 V AC       | 100               | ABL6TS10G                                      | 11445        |
| 230/400 V single phase ±15 V                     | 115 V AC       | 160               | ABL6TS16G                                      | 13536        |
| 230/400 V single phase ±15 V                     | 115 V AC       | 250               | ABL6TS25G                                      | 17237        |
| 230/400 V single phase ±15 V                     | 115 V AC       | 400               | ABL6TS40G                                      | 26151        |
| 230/400 V single phase ±15 V                     | 115 V AC       | 630               | ABL6TS63G                                      | 35092        |
| 230/400 V single phase ±15 V                     | 115 V AC       | 1000              | ABL6TS100G                                     | 42842        |
| 230/400 V single phase ±15 V                     | 115 V AC       | 1600              | ABL6TS160G                                     | 76352        |
| 230/400 V single phase ±15 V                     | 115 V AC       | 2500              | ABL6TS250G                                     | 124882       |
| 230/400 V single phase ±15 V                     | 230 V AC       | 25                | ABL6TS02U                                      | 9496         |
| 230/400 V single phase ±15 V                     | 230 V AC       | 40                | ABL6TS04U                                      | 9958         |
| 230/400 V single phase ±15 V                     | 230 V AC       | 63                | ABL6TS06U                                      | 10301        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 100               | ABL6TS10U                                      | 10862        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 160               | ABL6TS16U                                      | 13536        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 250               | ABL6TS25U                                      | 16285        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 400               | ABL6TS40U                                      | 25316        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 630               | ABL6TS63U                                      | 32355        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 1000              | ABL6TS100U <input checked="" type="checkbox"/> | 44783        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 1600              | ABL6TS160U                                     | 71634        |
| 230/400 V single phase ±15 V                     | 230 V AC       | 2500              | ABL6TS250U                                     | 117080       |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**ABT7 - Universal Range (Double Winding)**

| Input Voltage                                    | Output Voltage | Rated Power in VA | Reference   | Unit MRP<br>₹ |
|--|----------------|-------------------|-------------|---------------|
| <b>Single phase 230/400V 25VA - 2500VA 60° C</b> |                |                   |             |               |
| 230/400 V single phase ±15 V                     | 24/48 V AC     | 40                | ABT7PDU004B | 12537         |
| 230/400 V single phase ±15 V                     | 24/48 V AC     | 63                | ABT7PDU006B | 12888         |
| 230/400 V single phase ±15 V                     | 24/48 V AC     | 250               | ABT7PDU025B | 20367         |
| 230/400 V single phase ±15 V                     | 24/48 V AC     | 400               | ABT7PDU040B | 25330         |
| 230/400 V single phase ±15 V                     | 24/48 V AC     | 630               | ABT7PDU063B | 38183         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 40                | ABT7PDU004G | 11804         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 100               | ABT7PDU010G | 13053         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 160               | ABT7PDU016G | 14678         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 250               | ABT7PDU025G | 20643         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 400               | ABT7PDU040G | 23074         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 630               | ABT7PDU063G | 38220         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 1000              | ABT7PDU100G | 45990         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 1600              | ABT7PDU160G | 73850         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 2500              | ABT7PDU250G | 123650        |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 25                | ABT7PDU002B | 13797         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 100               | ABT7PDU010B | 14196         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 160               | ABT7PDU016B | 17972         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 1000              | ABT7PDU100B | 50722         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 1600              | ABT7PDU160B | 83898         |
| 230/400 V single phase ±15 V                     | 115/230 V AC   | 2500              | ABT7PDU250B | 135977        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



Zelio 2 compact smart relay with display



Zelio 2 compact smart relay without display



Zelio 2 modular smart relay with display

## Relays

| Description  | Reference                                     | Unit MRP [₹] |
|--|---|--------------|
| <b>Voltage 24V DC</b>  |   |              |
| Zelio Logic module - 10 I O, RLY - w/o clock - with display  | SR2A101BD <input checked="" type="checkbox"/> | 17653        |
| Zelio Logic module - 20 I O, RLY - w/o clock - with display  | SR2A201BD <input checked="" type="checkbox"/> | 28817        |
| Zelio Logic module - 12 I O, TRN - with clock - with display | SR2B121BD <input checked="" type="checkbox"/> | 16144        |
| Zelio Logic module - 12 I O, TRN - with clock - with display | SR2B122BD                                     | 24215        |
| Zelio Logic module - 20 I O, RLY - with clock - with display | SR2B201BD <input checked="" type="checkbox"/> | 32061        |
| Zelio Logic module - 20 I O, RLY - with clock - with display | SR2B202BD                                     | 33343        |
| Zelio Logic module - 10 I O, RLY - w/o clock - w/o display   | SR2D101BD <input checked="" type="checkbox"/> | 12891        |
| Zelio Logic module - 20 I O, RLY - w/o clock - w/o display   | SR2D201BD <input checked="" type="checkbox"/> | 25875        |
| Zelio Logic module - 12 I O, RLY - with clock - w/o display  | SR2E121BD                                     | 16595        |
| Zelio Logic module - 20 I O, RLY - with clock - w/o display  | SR2E201BD                                     | 30054        |
| Zelio Logic module - 10 I O, RLY - with clock - with display | SR3B101BD                                     | 19463        |
| Zelio Logic module - 10 I O, TRN - with clock - with display | SR3B102BD                                     | 17955        |
| Zelio Logic module - 26 I O, RLY - with clock - with display | SR3B261BD <input checked="" type="checkbox"/> | 40433        |
| Zelio Logic module - 26 I O, TRN - with clock - with display | SR3B262BD                                     | 40509        |
| <b>Voltage 100-240V AC</b>                                   |   |              |
| Zelio Logic module - 10 I O, RLY - w/o clock - with display  | SR2A101FU <input checked="" type="checkbox"/> | 19990        |
| Zelio Logic module - 20 I O, RLY - w/o clock - with display  | SR2A201FU <input checked="" type="checkbox"/> | 29646        |
| Zelio Logic module - 12 I O, RLY - with clock - with display | SR2B121FU <input checked="" type="checkbox"/> | 19839        |
| Zelio Logic module - 20 I O, RLY - with clock - with display | SR2B201FU <input checked="" type="checkbox"/> | 32967        |
| Zelio Logic module - 10 I O, RLY - w/o clock - w/o display   | SR2D101FU                                     | 13799        |
| Zelio Logic module - 20 I O, RLY - w/o clock - w/o display   | SR2D201FU                                     | 29260        |
| Zelio Logic module - 12 I O, RLY - with clock - w/o display  | SR2E121FU                                     | 17484        |
| Zelio Logic module - 20 I O, RLY - with clock - w/o display  | SR2E201FU                                     | 34631        |
| Zelio Logic module - 10 I O, RLY - with clock - with display | SR3B101FU                                     | 20951        |
| Zelio Logic module - 26 I O, RLY - with clock - with display | SR3B261FU <input checked="" type="checkbox"/> | 41790        |
| <b>Voltage 12V DC</b>  |   |              |
| Zelio Logic module - 12 I O - with clock - with display      | SR2B121JD                                     | 20746        |
| Zelio Logic module - 20 I O - with clock - with display      | SR2B201JD                                     | 25284        |
| <b>Voltage 24V AC</b>  |   |              |
| Zelio Logic module - 12 I O - with clock - with display      | SR2B121B                                      | 20746        |
| Zelio Logic module - 20 I O - with clock - with display      | SR2B201B                                      | 38002        |
| Zelio Logic module - 20 I O - with clock - w/o display       | SR2E201B                                      | 30200        |
| Zelio Logic module - 10 I O - with clock - with display      | SR3B101B                                      | 22224        |
| Zelio Logic module - 24 I O - with clock - with display      | SR3B261B                                      | 44130        |

**Note:** Zelio Smart Relays are also available in other voltages. Please contact our nearest Sales Office for the same.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



I/O Extension module

## I/O Extension modules

| Description   | Reference                                      | Unit MRP<br>[₹] |
|---|--|-----------------|
| discrete I/O extension module - 6 I O 4DI, 2DO - 24 V DC  | SR3XT61BD                                      | 7950            |
| discrete I/O extension module - 6 I O 4DI, 2DO            | SR3XT61FU                                      | 7840            |
| discrete I/O extension module - 10 I O 6DI, 4DO - 24 V DC | SR3XT101BD <input checked="" type="checkbox"/> | 8548            |
| discrete I/O extension module - 10 I O 6DI, 4DO           | SR3XT101FU                                     | 10360           |
| discrete I/O extension module - 14 I O 8DI, 6DO - 24 V AC | SR3XT141B                                      | 17231           |
| discrete I/O extension module - 14 I O 8DI, 6DO - 24 V DC | SR3XT141BD <input checked="" type="checkbox"/> | 11790           |
| discrete I/O extension module - 14 I O 8DI, 6DO           | SR3XT141FU                                     | 12529           |
| Analogue I/O extension module - 2 AI/ 2AO                 | SR3XT43BD                                      | 18887           |

## Accessories

| Description   | Reference                                    | Unit MRP<br>[₹] |
|---|--|-----------------|
| SUB-D 9-pin PC connecting cable - 3 m                     | SR2CBL01 <input checked="" type="checkbox"/> | 12986           |
| SUB-D 9-pin modem connecting cable - 0.5 m                | SR2CBL07 <input checked="" type="checkbox"/> | 31983           |
| communication interface                                   | SR2COM01                                     | 22644           |
| documentation - programming on the smart relay - EN       | SR2MAN01EN                                   | 4639            |
| memory cartridge firmware - up to v 2.4 - EEPROM          | SR2MEM01 <input checked="" type="checkbox"/> | 4304            |
| memory cartridge firmware - for v 3.0 - EEPROM            | SR2MEM02 <input checked="" type="checkbox"/> | 3179            |
| modem interface - analog PSTN                             | SR2MOD01                                     | 96596           |
| modem interface - GSM                                     | SR2MOD02                                     | 66265           |
| programming software "Zelio Soft 2" multilingual - CD-ROM | SR2SFT01                                     | 4969            |
| USB PC connecting cable - 3 m                             | SR2USB01 <input checked="" type="checkbox"/> | 16156           |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Altivar™ AC Drives

Advanced energy management  
and performance in motor control

## Variable Speed Drives

### Process



**Mining,  
Minerals &  
Metals**



**Marine**



**Food &  
Beverage**



**Water &  
Wastewater**



**Oil & Gas**



**Power  
Plants**

### Fluid Management

#### Altivar Process 600



Wall Mounting  
0.75...315 kW  
200...690 V



Cabinet Integration  
0.75...2600 kW  
380...690 V

### Industrial Processes

#### Altivar Process 900



Wall Mounting  
0.75...315 kW  
200...690 V



Cabinet Integration  
0.75...2600 kW  
380...690 V

### Machines



**Hoisting**



**Material  
Handling**



**Textile**



**Material  
Working**



**Packaging**

### Commercial Equipment

#### Altivar 12



0.18...4 kW  
100...240 V

### Basic Machines

#### Altivar 310



IP20  
0.75 to 22 kW  
380...460 V

### Simple & Advanced Machines

#### Altivar 320B/C



Book/compact format  
0.18...15 kW  
200...600 V

#### Altivar340



Book/compact  
format  
0.75...75 kW  
380...480 V

#### Altivar 320W



Harsh environment  
IP65/66  
0.18...7.5 kW  
380...480 V

### Building



**Pumps**



**Lift**



**Fans &  
Compressors**

### HVAC & Pumps

#### Altivar 212



IP21  
0.75...75 kW  
200...480 V



IP55  
0.75...75 kW  
380...480 V

### Utilities

#### Altivar 610



0.75...160 kW  
380...460 V

## Soft Starters

### Simple Machines

#### Altistart 01



3...85 A  
110...480 V

#### Altivar Soft Starter ATS130



38...105 A  
200...480 V

Coming  
Soon

### Industrial Processes & Utility

#### Altistart 22



17...590 A  
208...600 V

#### Altivar Soft Starter ATS480

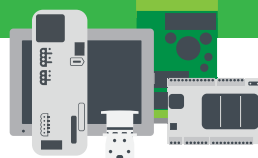


208 to 690V  
17 to 1700A

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Altivar™ Easy 310

## Drives for Simple Machines

### Now available upto 22kW

*When just enough  
is just right!*

Reliable & cost effective solution to manage the speed of your motors in your machines.

[se.com/drives](http://se.com/drives)



General Purpose Drives

Altivar™ 12: Drives for 1-Phase / 3-Phase 230 Volts Input & 3-Phase 230 Volts Output



- Small: easily integrated in any machine
- Discreet & Intuitive
- Reliable: quality which stands the test of time
- High-performance: even without adjustment

| kW (HD)  | HP Rating | Max. continuous current(A) | Reference   | Unit MRP [₹] |
|--|-----------|----------------------------|-------------|--------------|
| <b>Single phase-Supply Voltage: 200...240V</b> |           |                            |             |              |
| 0.18   | 0.25      | 1.4                        | ATV12H018M2 | On Request   |
| 0.37   | 0.55      | 2.4                        | ATV12H037M2 | On Request   |
| 0.55   | 0.75      | 3.5                        | ATV12H055M2 | On Request   |
| 0.75   | 1         | 4.2                        | ATV12H075M2 | On Request   |
| 1.5  | 2         | 7.5                        | ATV12HU15M2 | On Request   |
| 2.2  | 3         | 10                         | ATV12HU22M2 | On Request   |
| <b>Three phase-Supply Voltage: 200...240V</b>  |           |                            |             |              |
| 0.37   | 0.55      | 2.4                        | ATV12H037M3 | On Request   |
| 0.75   | 1         | 4.2                        | ATV12H075M3 | On Request   |
| 1.5  | 2         | 7.5                        | ATV12HU15M3 | On Request   |
| 2.2  | 3         | 10                         | ATV12HU22M3 | On Request   |
| 3  | ~         | 12.2                       | ATV12HU30M3 | On Request   |
| 4  | 5         | 16.7                       | ATV12HU40M3 | On Request   |

Altivar™ 310: Drives for 3-Phase 440 Volts Input & 3-Phase 440 Volts Output



- Optimized installation space & Optimized time and cost
- Service cost savings
- Easy to operate
- Easy to maintain & Easy to integrate in automation system
- 55deg Celsius ambient temperature without derating

| ND  | KW |      | Max. Continuous Current (A) |      | Reference      | Unit MRP [₹] |
|-----|----|------|-----------------------------|------|----------------|--------------|
|     | ND | HD   | ND                          | HD   |                |              |
| ~   |    | 0.37 | ~                           | 1.5  | ATV310H037N4E  | On Request   |
| ~   |    | 0.75 | ~                           | 2.3  | ATV310H075N4E  | On Request   |
| ~   |    | 1.5  | ~                           | 4.1  | ATV310HU15N4E  | On Request   |
| ~   |    | 2.2  | ~                           | 5.5  | ATV310HU22N4E  | On Request   |
| 4   |    | 3    | 8.9                         | 7.1  | ATV310HU30N4E  | On Request   |
| 5.5 |    | 4    | 12.1                        | 9.5  | ATV310HU40N4E  | On Request   |
| 7.5 |    | 5.5  | 16                          | 12.6 | ATV310HU55N4E  | On Request   |
| 11  |    | 7.5  | 22.8                        | 17   | ATV310HU75N4E  | On Request   |
| 15  |    | 11   | 30                          | 24   | ATV310HD11N4E  | On Request   |
| 18  |    | 15   | 36                          | 33   | ATV310HD15N4E  | On Request   |
| 22  |    | 18   | 43                          | 39   | ATV310HD18N4E  | On Request   |
| 30  |    | 22   | 60                          | 46   | ATV310HD22N4E  | On Request   |
| 18  | 15 |      | 36                          | 33   | ATV310HD15N4EF | On Request   |
| 22  | 18 |      | 43                          | 39   | ATV310HD18N4EF | On Request   |
| 30  | 22 |      | 60                          | 46   | ATV310HD22N4EF | On Request   |

\*F refer to inbuilt EMC

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Automation and control made easy

Easy Altivar™ 610 variable speed drives.



Easy Altivar™ 610 variable speed drives for three-phase synchronous motors address the challenges faced by new economies. They are fit for purpose at affordable prices with no compromise on ease of use, robustness, and availability – the core values supported by a worldwide leader in automation.



Water & wastewater



Oil & gas



Constant, negative pressure water supply



Building



Power



Other OEM

### Fit for purpose

- Optimized control system
- Multi-pump control function
- Harmonic mitigation solution

### Designed for easiness

- Easy to install
- Easy to set up and use
- Easy to maintain

### Strong on robustness

- Robust design for harsh environments
- Ever higher protection and performance

### Always available

- Wide availability
- Worldwide technical assistance

Contact with Schneider Electric sales for country of origin.

[se.com/easyaltivar610](http://se.com/easyaltivar610)

# Easy Altivar™ 610

## Now available upto 460V

### Main features

**Power range:**  
0.75 to 160kW

**Main voltage range:**  
380~460V, 3 phase, -15 to +10%

**Overload capability:**  
ND: 110% 60s; 120% 20s;  
HD: 150% 60s

**EMC:**  
C3 level filter embedded

**Harmonics:**  
DC choke embedded (above 4kW)

**Protection:**  
IP20

**Operation temperature:**  
-15°C to +60°C (derating above  
+45°C)

**Motor control law:**  
Asy motor: V/f 2 pts; V/f 5 pts;  
UF quad; energy saving



### Control I/O

**Control terminal:**

- Analog input: 3
- Analog output: 2
- Digital input: 6
- Relay output: 3

**Communication:**

- Modbus embedded;
- option: Profibus DP



### Display terminal

**Basic keypad (standard)**

- LCD backlight, removable
- 2 lines, 6 languages
- Configuration save
- Easy mounting kit (Ø22mm)



For more information and product references visit

[se.com/easyaltivar610](http://se.com/easyaltivar610)

**Altivar™ 610: Drives for pumps and fans from 0.75 to 160 kW**

Now available upto 460V



- Compact size: simplicity of integration and reduction of the size of the enclosures
- Electronic cards with protective coating
- Operation temperature: -10...+60°C
- IP40 protection level on the top of the product
- Typical multi-pump configuration without PLC
- 7 preprogrammed function blocks cover 90% of the pump and fan applications
- Colored control circuit terminals to avoid misuse

| ND  | kW |      | Max. continuous current(A) |      | Reference   | Unit MRP [₹] |
|---|----|------|----------------------------|------|-------------|--------------|
|   | ND | HD   | ND                         | HD   |             |              |
| <b>Three phase-Supply Voltage: 380...460V</b> |    |      |                            |      |             |              |
| 4   |    | 3    | 9.3                        | 7.2  | ATV610U40N4 | On Request   |
| 5.5   |    | 4    | 12.7                       | 9.3  | ATV610U55N4 | On Request   |
| 7.5   |    | 5.5  | 15.8                       | 12.7 | ATV610U75N4 | On Request   |
| 11  |    | 7.5  | 23.5                       | 16.5 | ATV610D11N4 | On Request   |
| 15  |    | 11   | 31.7                       | 23.5 | ATV610D15N4 | On Request   |
| 18.5  |    | 15   | 39.2                       | 31.7 | ATV610D18N4 | On Request   |
| 22  |    | 18.5 | 46.3                       | 39.2 | ATV610D22N4 | On Request   |
| 30  |    | 22   | 61.5                       | 46.3 | ATV610D30N4 | On Request   |
| 37  |    | 30   | 74.5                       | 59.6 | ATV610D37N4 | On Request   |
| 45  |    | 37   | 88                         | 74.5 | ATV610D45N4 | On Request   |
| 55  |    | 45   | 106                        | 88   | ATV610D55N4 | On Request   |
| 75  |    | 55   | 145                        | 106  | ATV610D75N4 | On Request   |
| 90  |    | 75   | 173                        | 145  | ATV610D90N4 | On Request   |
| 110   |    | 90   | 211                        | 173  | ATV610C11N4 | On Request   |
| 132   |    | 110  | 250                        | 211  | ATV610C13N4 | On Request   |
| 160   |    | 132  | 302                        | 250  | ATV610C16N4 | On Request   |

**Altivar™ 212: Drives for HVAC, 3-phase asynchronous motors**

from 0.75 to 75 kW



- Embedded communication Modbus, Apogee FLN P1, Metasys N2, BacNet
- More Friendly simplicity & comfort with Universal Graphic Keypad
- Low Harmonics Emissions: Low THDI = 30%
- EMC Immunity Protection & Noise reductions
- AHRI Approved
- N4Z without display, VW3A1111 advance display to be ordered separately

| kW  | Max. continuous current(A) |      | Reference    | Unit MRP [₹] |
|---|----------------------------|------|--------------|--------------|
| <b>Three phase-Supply Voltage: 380...480V</b> |                            |      |              |              |
| 0.75  |                            | 2.2  | ATV212H075N4 | On Request   |
| 1.5   |                            | 3.7  | ATV212HU15N4 | On Request   |
| 2.2   |                            | 5.1  | ATV212HU22N4 | On Request   |
| 3   |                            | 7.2  | ATV212HU30N4 | On Request   |
| 4   |                            | 9.1  | ATV212HU40N4 | On Request   |
| 5.5   |                            | 12   | ATV212HU55N4 | On Request   |
| 7.5   |                            | 16   | ATV212HU75N4 | On Request   |
| 11  |                            | 22.5 | ATV212HD11N4 | On Request   |
| 15  |                            | 30.5 | ATV212HD15N4 | On Request   |
| 18.5  |                            | 37   | ATV212HD18N4 | On Request   |
| 22  |                            | 43.5 | ATV212HD22N4 | On Request   |
| 30  |                            | 58.5 | ATV212HD30N4 | On Request   |
| 37  |                            | 79   | ATV212HD37N4 | On Request   |
| 45  |                            | 94   | ATV212HD45N4 | On Request   |
| 55  |                            | 116  | ATV212HD55N4 | On Request   |
| 75  |                            | 160  | ATV212HD75N4 | On Request   |

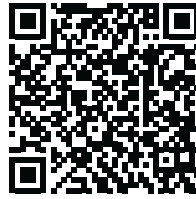
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Machine Drives

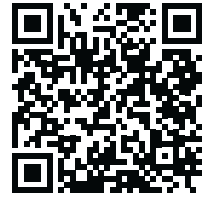
Altivar™ 320: Drives for synchronous and asynchronous motors from 0.18 to 15 kW (0.25 to 20 Hp)



Product selector for ATV320



EcoStruxure™ Motor Control Configurator



EcoStruxure™ Motor Management Design

- Cost Saving: Optimized Space and Time
- Solution Oriented: ATV Logic, Ready for automation integration
- Ambient temperature: 50deg C w/o deration
- Safety embedded as standard (STO SIL3)
- Possibility to connect a graphic terminal as option (Basic & Advanced)
- Modbus & Can Open as standard
- Protection against harsh environment 3C3 class

| kW  | Max. continuous current(A) | Reference     | Unit MRP [₹] |
|---|----------------------------|---------------|--------------|
| <b>Single phase-Supply Voltage: 200...240V</b>          |                            |               |              |
| 0.18  | 1.5                        | ATV320U02M2C  | On Request   |
| 0.37  | 3.3                        | ATV320U04M2C  | On Request   |
| 0.55  | 3.7                        | ATV320U06M2C  | On Request   |
| 0.75  | 4.8                        | ATV320U07M2C  | On Request   |
| 1.1   | 6.9                        | ATV320U11M2C  | On Request   |
| 1.5   | 8                          | ATV320U15M2C  | On Request   |
| 2.2   | 11                         | ATV320U22M2C  | On Request   |
| <b>Three phase-Supply Voltage: 200...240V</b>           |                            |               |              |
| 1.5   | 8                          | ATV320U15M3C  | On Request   |
| 4   | 17.5                       | ATV320U40M3C  | On Request   |
| 5.5   | 27.5                       | ATV320U55M3C  | On Request   |
| 7.5   | 33                         | ATV320U75M3C  | On Request   |
| 11  | 54                         | ATV320D11M3C  | On Request   |
| 15  | 66                         | ATV320D15M3C  | On Request   |
| <b>Three phase-Supply Voltage: 380...500V (COMPACT)</b> |                            |               |              |
| 0.37  | 1.5                        | ATV320U04N4C  | On Request   |
| 0.55  | 1.9                        | ATV320U06N4C  | On Request   |
| 0.75  | 2.3                        | ATV320U07N4C  | On Request   |
| 1.1   | 3                          | ATV320U11N4C  | On Request   |
| 1.5   | 4.1                        | ATV320U15N4C  | On Request   |
| 2.2   | 5.5                        | ATV320U22N4C  | On Request   |
| 3   | 7.1                        | ATV320U30N4C  | On Request   |
| 4   | 9.5                        | ATV320U40N4C  | On Request   |
| 5.5   | 14.3                       | ATV320U55N4C  | On Request   |
| 7.5   | 17                         | ATV320U75N4C  | On Request   |
| 11  | 27.7                       | ATV320D11N4C  | On Request   |
| 15  | 33                         | ATV320D15N4C  | On Request   |
| <b>Three phase-Supply Voltage: 380...500V (BOOK)</b>    |                            |               |              |
| 0.4   | 1.5                        | ATV320U04N4B  | On Request   |
| 0.6   | 1.9                        | ATV320U06N4B  | On Request   |
| 0.8   | 2.3                        | ATV320U07N4B  | On Request   |
| 1.1   | 3                          | ATV320U11N4B  | On Request   |
| 1.5   | 4.1                        | ATV320U15N4B  | On Request   |
| 2.2   | 5.5                        | ATV320U22N4B  | On Request   |
| 3   | 7.1                        | ATV320U30N4B  | On Request   |
| 4   | 9.5                        | ATV320U40N4B  | On Request   |
| 5.5   | 14.3                       | ATV320U55N4B  | On Request   |
| 7.5   | 17                         | ATV320U75N4B  | On Request   |
| 11  | 27.7                       | ATV320D11N4B  | On Request   |
| 15  | 33                         | ATV320D15N4B  | On Request   |
| <b>Three phase-Supply Voltage: 380...500V, IP66</b>     |                            |               |              |
| 0.37  | 1.5                        | ATV320U04N4W* | On Request   |
| 0.55  | 1.9                        | ATV320U06N4W* | On Request   |
| 0.75  | 2.3                        | ATV320U07N4W* | On Request   |
| 1.1   | 3                          | ATV320U11N4W* | On Request   |
| 1.5   | 4.1                        | ATV320U15N4W* | On Request   |
| 2.2   | 5.5                        | ATV320U22N4W* | On Request   |
| 3   | 7.1                        | ATV320U30N4W* | On Request   |
| 4   | 9.5                        | ATV320U40N4W* | On Request   |
| 5.5   | 14.3                       | ATV320U55N4W* | On Request   |
| 7.5   | 17                         | ATV320U75N4W* | On Request   |

**Note:** References ending with B are BOOK type & Reference ending with C are COMPACT type.  
References ending with N4W\* are IP66.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Altivar™ The next SMART manufacturing era

Altivar™ Machine ATV340, innovative  
variable speed drives for high-performance machines

The Altivar™ Machine ATV340\* drive is robust for high overloads, offering safety, various communication protocols, and cutting-edge motor control solution for machine builders.

Traditional machine design is challenged by the smart manufacturing approach. Changing times require innovative features such as the native Ethernet based - Fast Device Replacement. It gives machine operators a seamless service approach. The embedded encoder is compatible with asynchronous and synchronous motors in closed-loop control applications and the load-sharing master/slave configuration makes ATV340 a SMART manufacturing success.

\* From 1 HP to 100 HP in heavy duty with 3-phase supply voltage from 380 to 480 V.



# High performance in material handling, material working and hoisting

The ATV340 improves the capabilities and availability of high-performance machines while reducing build costs thanks to:

- **Superior machine performance.** With a maximum torque availability of 1.8 In and optimized speed bandwidth of up to 400 Hz, the ATV 340 is ideal for dynamic applications with rapid acceleration. Its frequency inverters can handle high overloads in demanding applications up to 220% nominal torque.
- **Faster reaction time.** A combination of fast application reaction time with a minimum 1 ms task cycle and Ethernet connectivity maximizes your machine's throughput.
- **Simplified machine engineering.** Built-in multiprotocol (Ethernet, Modbus, SERCOS) a variety of interfaces, an embedded encoder and integrated application functions offer maximum flexibility in design. Remote monitoring via the embedded web server enables predictive maintenance. EcoStruxure™ Machine & FDR allow faulty device replacement service with short time machine recovery.
- **Reduced design time.** Complete project replication is possible with one-button auto-tuning for motor identification and supports efficient machine commissioning and production. Additionally, ready-to-use Tested, Validated, and Documented Architectures (TDVAs) and SoMachine software facilitate seamless automation integration.
- **Comprehensive functional safety and cyber security.** With embedded STO (SIL3) and a full range of safety functions (SS1, SLS, SMS, SBC, GDL), the ATV340 is compliant with machine related safety standards EN ISO 13849-1 and EN 62061. The ATV340 also has Achilles level 2 cyber-security certification to protect people and assets while ensuring continuity of service.
- **Robust.** In harsh environments with high levels of dust and vibration and operating temperatures up to 60°C. Due to high IGBT and thermal dissipation efficiency, it allows additional 40% of rated current taking motor power to 130kW under normal duty operation.

**220%**  
Nominal torque

**1 ms**  
Application cycle time



**Modular and Ethernet version**  
with different application approach



**Optional Safety card offers for high-end safety functions**

Safe Stop 1 (SS1)  
Safe Limited Speed (SLS)  
Safe Maximum Speed (SMS)  
Safe Brake Control (SBC)  
Guard Door Lock (GDL)



**High power Safety solution**  
(up to 75kW), Safety card and additional module support

For more information and product references visit

[se.com/drives](https://se.com/drives)

## Altivar™ 340: Drives with innovative variable speed drives for high-performance machines upto 75kW



- Reduced requirement for additional devices thanks to rich interfaces, I/Os, and PTIs/PTOs, and an embedded encoder
- 5 DI +2 (DI/DO);2 RO ;2 AI ;1 AO
- 30kW...75kW : 8 DI ;1DO ;3RO ;3AI ;2AO
- DC choke inbuilt from 30kW and above
- Heavy duty 150%In for 60sec & 180%In for 2sec
- Embedded STO SIL3
- On board A/B/I & SinCos 1Vpp encoder
- Chemical class for harsh environment 3C3
- High-speed native multi-Ethernet connectivity – real-time communication
- 1 ms application cycle time

ATV340 Modular Drive: Power & Supply Voltage: 0.75 – 22 kW & 400/480 V three phase

ATV340 Ethernet Drive(ATV340\*\*\*N4E): Power & Supply Voltage: 0.75 – 75 kW & 400/480 V three phase

| ND  | kW   |    | Max. continuous current (A) |      | Reference    | Unit MRP [₹] |
|---|------|----|-----------------------------|------|--------------|--------------|
|   | HD   | LD | ND                          | HD   |              |              |
| <b>Three phase-Supply Voltage: 380...480V (Modular)</b>       |      |    |                             |      |              |              |
| 1.1   | 0.75 |    | 2.8                         | 2.2  | ATV340U07N4  | On Request   |
| 2.2   | 1.5  |    | 5.6                         | 4    | ATV340U15N4  | On Request   |
| 3   | 2.2  |    | 7.2                         | 5.6  | ATV340U22N4  | On Request   |
| 4   | 3    |    | 9.3                         | 7.2  | ATV340U30N4  | On Request   |
| 5.5   | 4    |    | 12.7                        | 9.3  | ATV340U40N4  | On Request   |
| 7.5   | 5.5  |    | 16.5                        | 12.7 | ATV340U55N4  | On Request   |
| 11  | 7.5  |    | 24                          | 16.5 | ATV340U75N4  | On Request   |
| 15  | 11   |    | 32                          | 24   | ATV340D11N4  | On Request   |
| 18.5  | 15   |    | 39                          | 32   | ATV340D15N4  | On Request   |
| 22  | 18.5 |    | 46                          | 39   | ATV340D18N4  | On Request   |
| 30  | 22   |    | 62                          | 46   | ATV340D22N4  | On Request   |
| <b>Three phase-Supply Voltage: 380...480V (With Ethernet)</b> |      |    |                             |      |              |              |
| 1.1   | 0.75 |    | 2.8                         | 2.2  | ATV340U07N4E | On Request   |
| 2.2   | 1.5  |    | 5.6                         | 4    | ATV340U15N4E | On Request   |
| 3   | 2.2  |    | 7.2                         | 5.6  | ATV340U22N4E | On Request   |
| 4   | 3    |    | 9.3                         | 7.2  | ATV340U30N4E | On Request   |
| 5.5   | 4    |    | 12.7                        | 9.3  | ATV340U40N4E | On Request   |
| 8   | 5.5  |    | 16.5                        | 12.7 | ATV340U55N4E | On Request   |
| 11  | 8    |    | 24                          | 16.5 | ATV340U75N4E | On Request   |
| 15  | 11   |    | 32                          | 24   | ATV340D11N4E | On Request   |
| 18.5  | 15   |    | 39                          | 32   | ATV340D15N4E | On Request   |
| 22  | 18.5 |    | 46                          | 39   | ATV340D18N4E | On Request   |
| 30  | 22   |    | 62                          | 46   | ATV340D22N4E | On Request   |
| 37  | 30   |    | 74.5                        | 61.5 | ATV340D30N4E | On Request   |
| 45  | 37   |    | 88                          | 74.5 | ATV340D37N4E | On Request   |
| 55  | 45   |    | 106                         | 88   | ATV340D45N4E | On Request   |
| 75  | 55   |    | 145                         | 106  | ATV340D55N4E | On Request   |
| 90  | 75   |    | 173                         | 145  | ATV340D75N4E | On Request   |

\*ATV340 display is optional - VW3A1113





## How do you benefit from Altivar™ Process's application expertise?



ROD PUMPS



MIXERS



HOISTING

### ATV900

- DC Bus sharing and 4Q apps. using ATV980/990
- Control all types of synchronous motors as well as async. motors in open or closed loop,
- Manage master/slave apps such as conveyor with multi drive link
- Increase asset life using dedicated hoisting, PCP/ESP and rod pump applications functions

Demanding Applications



### ATV600

- Monitor energy consumption, energy based KPIs with 95% accuracy
- Monitor pump operation state and efficiency (BEP)
- Control multi pump applications in WWW & F&B environments with
- Dedicated motor & asset protection functions such as pump and pipe protection

Fluid & Gas Applications



FANS



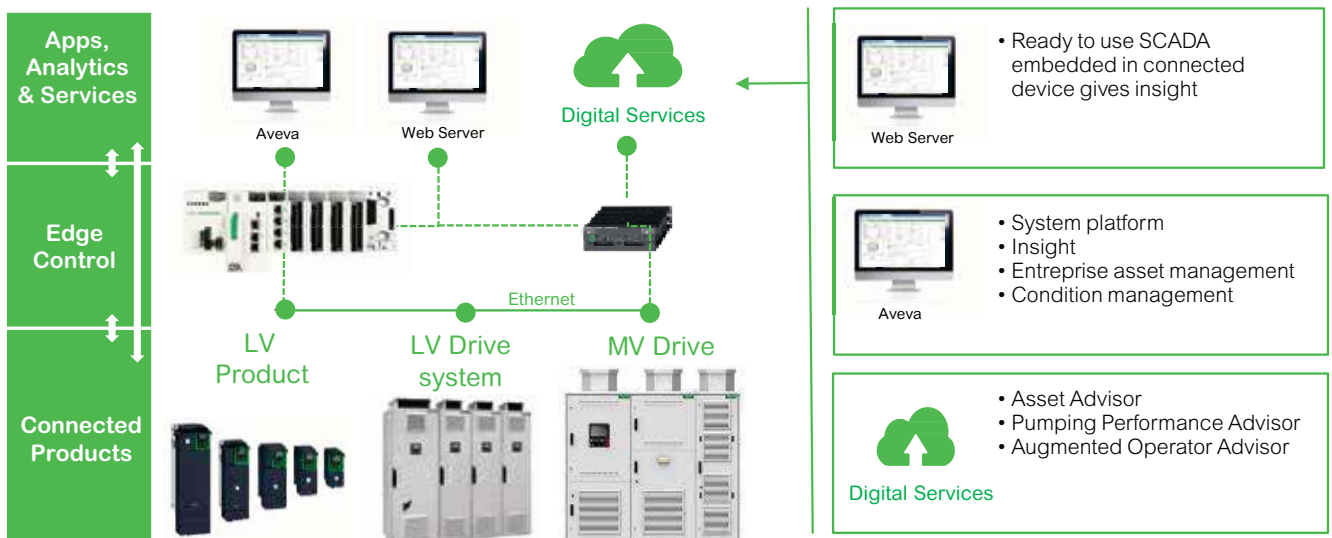
CENTRIF. PUMPS



COMPRESSORS

## Motor's Data Flow within EcoStruxure

### EcoStruxure™ Innovation At Every Level



Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Altivar™ Process Drives for industrial utility applications

Altivar™ process drives deliver added-value services to enable business and process optimization through improved life cycle asset management and optimized energy consumption. Designed to assist OEMs, system integrators, and industrial process owners, Altivar™ process drives improve process performance by enabling full information and operational technology convergence. Embedded PlantStruxure™ and Foxboro™ Evo architectures simplify system integration.



## Water applications

- Booster pumps
- Lift station pumps
- Desalination pumps
- Water supply pumps
- Water suction pumps
- Progressing cavity pumps
- Influent and effluent pumps
- Secondary clean water pumps



## Oil & Gas applications

- Rod pumps
- Feed pumps
- Pipeline, booster, and unloading pumps
- Water injection pumps
- Reciprocating and centrifugal compressors
- Progressing cavity pumps
- Electric submersible pumps



## Mining & Metals applications

- Rod pumps
- Feed pumps
- Pipeline, booster, and unloading pumps
- Water injection pumps
- Reciprocating and centrifugal compressors
- Progressing cavity pumps
- Electric submersible pumps



|                              | Altivar 630  | Altivar 650  | Altivar 930   | Altivar 950   |
|------------------------------|--|--|---|---|
| <b>Voltage</b>               | 480  | 480  | 480   | 480   |
| <b>kW</b>                    | 0.75 – 315 kW  | 0.75 – 90 kW   | 0.75 – 315 kW   | 0.75 – 90 kW  |
| <b>Enclosure</b>             | UL Type 1<br>Heatsink kit option:<br>125 – 250 hp                                    | UL Type 12   | UL Type 1<br>Heatsink kit option:<br>125 – 250 hp               | UL Type 12  |
| <b>Application functions</b> | Multi-pump control,<br>> 30 pump functions,<br>fans, and simple material<br>handling | Multi-pump control,<br>> 30 pump functions,<br>fans, and simple material<br>handling | Load share, master slave,<br>safety inputs,<br>dynamic braking  | Master slave, safety inputs,<br>dynamic braking                 |
| <b>Performance</b>           | Normal or heavy duty   | Normal or heavy duty   | High-torque capacity<br>encoder options, dual<br>Ethernet ports | High-torque capacity<br>encoder options, dual<br>Ethernet ports |

Contact with Schneider Electric sales for country of origin.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

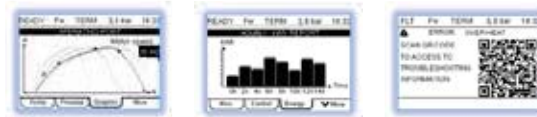
W.E.F. January 30<sup>th</sup>, 2023

**Altivar™ Process ATV630 : Variable Speed I IOT Drive dedicated to process**

**Industry and Utilities (Pump & Fan) from 0.75 kW to 315 kW.**



- Alfa-numeric and graphical display to monitor trends and values
- Inbuilt features dedicated for Pump eg. Pump Curves, Pipe fill, Anti Jam, Pipe cleaning etc
- Calculative power consumption with respect to flow (kwh/m<sup>3</sup>)
- VFD designed for 50 deg C without derating.
- In Built choke & EMC Filter
- Integrated Modbus & Modbus TCP/IP (Ethernet)
- Web server inbuilt
- Ethernet & Modbus in Built
- QR code feature in built to get documents access on line and register service request directly from QR code.



| ND   | kW   |    | Max. continuous current (A) |      | Reference   | Unit MRP [₹] |
|--|------|----|-----------------------------|------|-------------|--------------|
|  | ND   | HD | ND                          | HD   |             |              |
| <b>Three phase-Supply Voltage:380...480V (IP21)</b>  |      |    |                             |      |             |              |
| 0.75   | 0.37 |    | 2.2                         | 1.5  | ATV630U07N4 | On Request   |
| 1.5  | 0.75 |    | 4                           | 2.2  | ATV630U15N4 | On Request   |
| 2.2  | 1.5  |    | 5.6                         | 4    | ATV630U22N4 | On Request   |
| 3  | 2.2  |    | 7.2                         | 5.6  | ATV630U30N4 | On Request   |
| 4  | 3    |    | 9.3                         | 7.2  | ATV630U40N4 | On Request   |
| 5.5  | 4    |    | 12.7                        | 9.3  | ATV630U55N4 | On Request   |
| 7.5  | 5.5  |    | 16.5                        | 12.7 | ATV630U75N4 | On Request   |
| 11   | 7.5  |    | 23.5                        | 16.5 | ATV630D11N4 | On Request   |
| 15   | 11   |    | 31.7                        | 23.5 | ATV630D15N4 | On Request   |
| 18.5   | 15   |    | 39.2                        | 31.7 | ATV630D18N4 | On Request   |
| 22   | 18.5 |    | 46.3                        | 39.2 | ATV630D22N4 | On Request   |
| 30   | 22   |    | 61.5                        | 46.3 | ATV630D30N4 | On Request   |
| 37   | 30   |    | 74.5                        | 61.5 | ATV630D37N4 | On Request   |
| 45   | 37   |    | 88                          | 74.5 | ATV630D45N4 | On Request   |
| 55   | 45   |    | 106                         | 88   | ATV630D55N4 | On Request   |
| 75   | 55   |    | 145                         | 106  | ATV630D75N4 | On Request   |
| 90   | 75   |    | 173                         | 145  | ATV630D90N4 | On Request   |
| 110  | 90   |    | 211                         | 173  | ATV630C11N4 | On Request   |
| 132  | 110  |    | 250                         | 211  | ATV630C13N4 | On Request   |
| 160  | 132  |    | 302                         | 250  | ATV630C16N4 | On Request   |
| 220  | 160  |    | 427                         | 302  | ATV630C22N4 | On Request   |
| 250  | 220  |    | 481                         | 387  | ATV630C25N4 | On Request   |
| 315  | 250  |    | 616                         | 481  | ATV630C31N4 | On Request   |
| <b>Three phase-Supply Voltage: 380...480V (IP55)</b> |      |    |                             |      |             |              |
| 0.75   | 0.37 |    | 2.2                         | 1.5  | ATV650U07N4 | On Request   |
| 1.5  | 0.75 |    | 4                           | 2.2  | ATV650U15N4 | On Request   |
| 2.2  | 1.5  |    | 5.6                         | 4    | ATV650U22N4 | On Request   |
| 3  | 2.2  |    | 7.2                         | 5.6  | ATV650U30N4 | On Request   |
| 4  | 3    |    | 9.3                         | 7.2  | ATV650U40N4 | On Request   |
| 5.5  | 4    |    | 12.7                        | 9.3  | ATV650U55N4 | On Request   |
| 7.5  | 5.5  |    | 16.5                        | 12.7 | ATV650U75N4 | On Request   |
| 11   | 7.5  |    | 23.5                        | 16.5 | ATV650D11N4 | On Request   |
| 15   | 11   |    | 31.7                        | 23.5 | ATV650D15N4 | On Request   |
| 18.5   | 15   |    | 39.2                        | 31.7 | ATV650D18N4 | On Request   |
| 22   | 18.5 |    | 46.3                        | 39.2 | ATV650D22N4 | On Request   |
| 30   | 22   |    | 61.5                        | 46.3 | ATV650D30N4 | On Request   |
| 37   | 30   |    | 74.5                        | 61.5 | ATV650D37N4 | On Request   |
| 45   | 37   |    | 88                          | 74.5 | ATV650D45N4 | On Request   |
| 55   | 45   |    | 106                         | 88   | ATV650D55N4 | On Request   |
| 75   | 55   |    | 145                         | 106  | ATV650D75N4 | On Request   |
| 90   | 75   |    | 173                         | 145  | ATV650D90N4 | On Request   |

N4Z without display, VW3A1111 advance display to be ordered separately

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Altivar™ Process ATV930: Variable speed drives dedicated to constant torque application with excellent motor control and connectivity capabilities (0.75kW to 315kW)**



- Alfa-numeric and graphical display to monitor trends and values.
- Calculative power consumption with respect to flow (kwh/m<sup>3</sup>).
- VFD designed for 50 deg C without derating.
- In Built choke & EMC Filter
- Integrated Modbus & dual Ethernet port
- Web server in built
- Macro configuration of hoisting & conveyor are available
- Ethernet & Modbus in Built
- QR code feature in built to get documents access on line and register service request directly from QR code.



| ND   | kW |      | Max. continuous current (A) |      | Reference     | Unit MRP [₹] |
|--|----|------|-----------------------------|------|---------------|--------------|
|  | ND | HD   | ND                          | HD   |               |              |
| <b>Three phase-Supply Voltage: 380...480V (IP21)</b> |    |      |                             |      |               |              |
| 0.75   |    | 0.37 | 2.2                         | 1.5  | ATV930U07N4   | On Request   |
| 1.5  |    | 0.75 | 4                           | 2.2  | ATV930U15N4   | On Request   |
| 2.2  |    | 0.75 | 5.6                         | 4    | ATV930U22N4   | On Request   |
| 3  |    | 1.5  | 7.2                         | 5.6  | ATV930U30N4   | On Request   |
| 4  |    | 2.2  | 9.3                         | 7.2  | ATV930U40N4   | On Request   |
| 5.5  |    | 3    | 12.7                        | 9.3  | ATV930U55N4   | On Request   |
| 7.5  |    | 4    | 16.5                        | 12.7 | ATV930U75N4   | On Request   |
| 11   |    | 5.5  | 23.5                        | 16.5 | ATV930D11N4   | On Request   |
| 15   |    | 7.5  | 31.7                        | 23.5 | ATV930D15N4   | On Request   |
| 18.5   |    | 15   | 39.2                        | 31.7 | ATV930D18N4   | On Request   |
| 22   |    | 18.5 | 46.3                        | 39.2 | ATV930D22N4   | On Request   |
| 30   |    | 22   | 61.5                        | 46.3 | ATV930D30N4   | On Request   |
| 37   |    | 30   | 74.5                        | 61.5 | ATV930D37N4   | On Request   |
| 45   |    | 37   | 88                          | 74.5 | ATV930D45N4   | On Request   |
| 55   |    | 45   | 106                         | 88   | ATV930D55N4C* | On Request   |
| 55   |    | 45   | 106                         | 88   | ATV930D55N4   | On Request   |
| 75   |    | 55   | 145                         | 106  | ATV930D75N4C* | On Request   |
| 75   |    | 55   | 145                         | 106  | ATV930D75N4   | On Request   |
| 90   |    | 75   | 173                         | 145  | ATV930D90N4C* | On Request   |
| 90   |    | 75   | 173                         | 145  | ATV930D90N4   | On Request   |
| 110  |    | 90   | 211                         | 173  | ATV930C11N4C* | On Request   |
| 110  |    | 90   | 211                         | 173  | ATV930C11N4   | On Request   |
| 132  |    | 110  | 250                         | 211  | ATV930C13N4C* | On Request   |
| 132  |    | 110  | 250                         | 211  | ATV930C13N4   | On Request   |
| 160  |    | 132  | 302                         | 250  | ATV930C16N4C* | On Request   |
| 160  |    | 132  | 302                         | 250  | ATV930C16N4   | On Request   |
| 220  |    | 160  | 427                         | 302  | ATV930C22N4C* | On Request   |
| 220  |    | 160  | 427                         | 302  | ATV930C22N4   | On Request   |
| 250  |    | 200  | 481                         | 387  | ATV930C25N4C* | On Request   |
| 315  |    | 250  | 616                         | 481  | ATV930C31N4C* | On Request   |
| <b>Three phase-Supply Voltage: 380...480V (IP55)</b> |    |      |                             |      |               |              |
| 0.75   |    | 0.37 | 2.2                         | 1.5  | ATV950U07N4   | On Request   |
| 1.5  |    | 0.75 | 4                           | 2.2  | ATV950U15N4   | On Request   |
| 2.2  |    | 0.75 | 5.6                         | 4    | ATV950U22N4   | On Request   |
| 3  |    | 1.5  | 7.2                         | 5.6  | ATV950U30N4   | On Request   |
| 4  |    | 2.2  | 9.3                         | 7.2  | ATV950U40N4   | On Request   |
| 5.5  |    | 3    | 12.7                        | 9.3  | ATV950U55N4   | On Request   |
| 7.5  |    | 4    | 16.5                        | 12.7 | ATV950U75N4   | On Request   |
| 11   |    | 5.5  | 23.5                        | 16.5 | ATV950D11N4   | On Request   |
| 15   |    | 7.5  | 31.7                        | 23.5 | ATV950D15N4   | On Request   |
| 18.5   |    | 15   | 39.2                        | 31.7 | ATV950D18N4   | On Request   |
| 22   |    | 18.5 | 46.3                        | 39.2 | ATV950D22N4   | On Request   |
| 30   |    | 22   | 61.5                        | 46.3 | ATV950D30N4   | On Request   |
| 37   |    | 30   | 74.5                        | 61.5 | ATV950D37N4   | On Request   |
| 45   |    | 37   | 88                          | 74.5 | ATV950D45N4   | On Request   |
| 55   |    | 45   | 106                         | 88   | ATV950D55N4   | On Request   |
| 75   |    | 55   | 145                         | 106  | ATV950D75N4   | On Request   |
| 90   |    | 75   | 173                         | 145  | ATV950D90N4   | On Request   |

\*Reference ending with 'C' is without braking unit  
 N4Z without display, VW3A1111 advance display to be ordered separately  
 Please contact Customer Care Center for Stockable and Non stockable status of references.



## Altivar™ Process Modular ATV6XX/9XX LV Variable Speed Drive

Altivar™ Process Modular 110kW to 1200kW, 415V & 690V  
**\*Coming Soon upto 2.6 MW**

**The Altivar™ Process is the first services-oriented Low Voltage & Medium Voltage Drives allowing End Users with its energy management services and assets management capabilities, to:**

- Measure their plant's energy consumption
- Control process equipment at its best efficiency
- Implement real-time asset management and predictive maintenance
- The Altivar™ Process Modular complete the Altivar Process line-up with a solution to address high end applications.
- The Altivar™ Process Modular offer partners capability to:
  - Lower inventories mix while providing flexibility for faster deliveries.
  - Standardized design and manufacturing processes of systems drives
  - Gain efficiency in servicing endcustomer
- Available in 48% THDi or with 3-level AFE design that is lower than 3% THDi and with less stress on motorse.

Standard Offer

Drive Ratings For 380...480 V

Normal Duty - 400 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |            | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|------------|-----------------|
|                      |                     | Input Current<br>At 400 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |            |                 |
|                      |                     | A                           | kVA            | A                   | ATV600 (2)                 | ATV900 (3) |                 |
| ATV•A0C11Q4          | 110                 | 198                         | 137            | 211                 | 232                        | 253        | On Request      |
| ATV•A0C13Q4          | 132                 | 233                         | 161            | 250                 | 275                        | 300        | On Request      |
| ATV•A0C16Q4          | 160                 | 278                         | 193            | 302                 | 332                        | 362        | On Request      |
| ATV•A0C20Q4          | 200                 | 352                         | 244            | 370                 | 407                        | 444        | On Request      |
| ATV•A0C25Q4          | 250                 | 432                         | 299            | 477                 | 525                        | 572        | On Request      |
| ATV•A0C31Q4          | 315                 | 538                         | 373            | 590                 | 649                        | 708        | On Request      |
| ATV•A0C35Q4          | 355                 | 611                         | 423            | 660                 | 726                        | 792        | On Request      |
| ATV•A0C40Q4          | 400                 | 681                         | 472            | 730                 | 803                        | 876        | On Request      |
| ATV•A0C45Q4          | 450                 | 764                         | 529            | 830                 | 913                        | 996        | On Request      |
| ATV•A0C50Q4          | 500                 | 846                         | 586            | 900                 | 990                        | 1,080      | On Request      |
| ATV•A0C56Q4          | 560                 | 948                         | 657            | 1,020               | 1,122                      | 1,224      | On Request      |
| ATV•A0C63Q4          | 630                 | 1,058                       | 733            | 1,140               | 1,254                      | 1,368      | On Request      |
| ATV•A0C71Q4          | 710                 | 1,192                       | 826            | 1,260               | 1,386                      | 1,512      | On Request      |
| ATV•A0C80Q4          | 800                 | 1,335                       | 925            | 1,420               | 1,562                      | 1,704      | On Request      |
| ATV•A0M10Q4          | 1000                | 1,692                       | 1172           | 1,770               | 1,947                      | 2,124      | On Request      |

Heavy Duty - 400 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                                |        | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|--------------------------------|--------|-----------------|
|                      |                     | Input Current<br>At 400 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) (2) |        |                 |
|                      |                     | A                           | kVA            | A                   | ATV600                         | ATV900 |                 |
| ATV•A0C11Q4          | 90                  | 167                         | 116            | 173                 | 260                            | 260    | On Request      |
| ATV•A0C13Q4          | 110                 | 198                         | 137            | 211                 | 317                            | 317    | On Request      |
| ATV•A0C16Q4          | 132                 | 233                         | 161            | 250                 | 375                            | 375    | On Request      |
| ATV•A0C20Q4          | 160                 | 290                         | 201            | 302                 | 453                            | 453    | On Request      |
| ATV•A0C25Q4          | 200                 | 353                         | 245            | 370                 | 555                            | 555    | On Request      |
| ATV•A0C31Q4          | 250                 | 432                         | 299            | 477                 | 716                            | 716    | On Request      |
| ATV•A0C35Q4          | 280                 | 489                         | 339            | 520                 | 780                            | 780    | On Request      |
| ATV•A0C40Q4          | 315                 | 545                         | 378            | 590                 | 885                            | 885    | On Request      |
| ATV•A0C45Q4          | 355                 | 611                         | 423            | 660                 | 990                            | 990    | On Request      |
| ATV•A0C50Q4          | 400                 | 681                         | 472            | 730                 | 1,095                          | 1,095  | On Request      |
| ATV•A0C56Q4          | 450                 | 767                         | 531            | 830                 | 1,245                          | 1,245  | On Request      |
| ATV•A0C63Q4          | 500                 | 849                         | 588            | 900                 | 1,350                          | 1,350  | On Request      |
| ATV•A0C71Q4          | 560                 | 951                         | 659            | 1,020               | 1,530                          | 1,530  | On Request      |
| ATV•A0C80Q4          | 630                 | 1,061                       | 735            | 1,140               | 1,710                          | 1,710  | On Request      |
| ATV•A0M10Q4          | 800                 | 1,246                       | 950            | 1,420               | 2,130                          | 2,130  | On Request      |

Normal Duty - 690 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |            | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|------------|-----------------|
|                      |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |            |                 |
|                      |                     | A                           | kVA            | A                   | ATV600 (2)                 | ATV900 (3) |                 |
| ATV•A0C11Q6          | 110                 | 118                         | 141            | 125                 | 138                        | 150        | On Request      |
| ATV•A0C13Q6          | 132                 | 138                         | 165            | 145                 | 160                        | 174        | On Request      |
| ATV•A0C16Q6          | 160                 | 163                         | 195            | 175                 | 193                        | 210        | On Request      |
| ATV•A0C20Q6          | 200                 | 200                         | 239            | 215                 | 237                        | 258        | On Request      |
| ATV•A0C25Q6          | 250                 | 255                         | 305            | 275                 | 303                        | 330        | On Request      |
| ATV•A0C31Q6          | 315                 | 316                         | 378            | 340                 | 374                        | 408        | On Request      |
| ATV•A0C40Q6          | 400                 | 394                         | 471            | 425                 | 468                        | 510        | On Request      |
| ATV•A0C50Q6          | 500                 | 495                         | 592            | 520                 | 572                        | 624        | On Request      |
| ATV•A0C63Q6          | 630                 | 615                         | 735            | 650                 | 715                        | 780        | On Request      |
| ATV•A0C80Q6          | 800                 | 776                         | 927            | 830                 | 913                        | 996        | On Request      |
| ATV•A0M10Q6          | 1,000               | 969                         | 1,158          | 1,030               | 1,133                      | 1,236      | On Request      |
| ATV•A0M12Q6          | 1,200               | 1,161                       | 1,388          | 1,230               | 1,353                      | 1,476      | On Request      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Heavy Duty - 690 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                                |             | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|--------------------------------|-------------|-----------------|
|                      |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) (2) |             |                 |
|                      |                     | A                           | kVA            | A                   | ATV600<br>A                    | ATV900<br>A |                 |
| ATV•A0C11Q6          | 90                  | 100                         | 120            | 105                 | 158                            | 158         | On Request      |
| ATV•A0C13Q6          | 110                 | 118                         | 141            | 125                 | 188                            | 188         | On Request      |
| ATV•A0C16Q6          | 132                 | 138                         | 165            | 145                 | 218                            | 218         | On Request      |
| ATV•A0C20Q6          | 160                 | 163                         | 195            | 175                 | 263                            | 263         | On Request      |
| ATV•A0C25Q6          | 200                 | 211                         | 252            | 215                 | 323                            | 323         | On Request      |
| ATV•A0C31Q6          | 250                 | 255                         | 305            | 275                 | 413                            | 413         | On Request      |
| ATV•A0C40Q6          | 315                 | 316                         | 378            | 340                 | 510                            | 510         | On Request      |
| ATV•A0C50Q6          | 400                 | 401                         | 479            | 425                 | 638                            | 638         | On Request      |
| ATV•A0C63Q6          | 500                 | 495                         | 592            | 520                 | 780                            | 780         | On Request      |
| ATV•A0C80Q6          | 630                 | 619                         | 740            | 650                 | 975                            | 975         | On Request      |
| ATV•A0M10Q6          | 800                 | 779                         | 931            | 830                 | 1,245                          | 1,245       | On Request      |
| ATV•A0M12Q6          | 1,000               | 971                         | 1,160          | 1,030               | 1,545                          | 1,545       | On Request      |

LH/Regen offer

Normal Duty - 400 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |                 | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|-----------------|-----------------|
|                      |                     | Input Current<br>At 400 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |                 |                 |
|                      |                     | A                           | kVA            | A                   | ATV600 (2)<br>A            | ATV900 (3)<br>A |                 |
| ATV•B0C11Q4          | 110                 | 175                         | 121            | 211                 | 232                        | 253             | On Request      |
| ATV•B0C13Q4          | 132                 | 208                         | 144            | 250                 | 275                        | 300             | On Request      |
| ATV•B0C16Q4          | 160                 | 252                         | 174            | 302                 | 332                        | 362             | On Request      |
| ATV•B0C20Q4          | 200                 | 313                         | 217            | 370                 | 407                        | 444             | On Request      |
| ATV•B0C25Q4          | 250                 | 389                         | 270            | 477                 | 525                        | 572             | On Request      |
| ATV•B0C31Q4          | 315                 | 491                         | 340            | 590                 | 649                        | 708             | On Request      |
| ATV•B0C35Q4          | 355                 | 553                         | 383            | 660                 | 726                        | 792             | On Request      |
| ATV•B0C40Q4          | 400                 | 620                         | 429            | 730                 | 803                        | 876             | On Request      |
| ATV•B0C45Q4          | 450                 | 697                         | 483            | 830                 | 913                        | 996             | On Request      |
| ATV•B0C50Q4          | 500                 | 775                         | 537            | 900                 | 990                        | 1,080           | On Request      |
| ATV•B0C56Q4          | 560                 | 868                         | 601            | 1,020               | 1,122                      | 1,224           | On Request      |
| ATV•B0C63Q4          | 630                 | 971                         | 673            | 1,140               | 1,254                      | 1,368           | On Request      |
| ATV•B0C71Q4          | 710                 | 1,094                       | 758            | 1,260               | 1,386                      | 1,512           | On Request      |
| ATV•B0C80Q4          | 800                 | 1,227                       | 850            | 1,420               | 1,562                      | 1,704           | On Request      |
| ATV•B0M10Q4          | 1000                | 1,550                       | 1074           | 1,770               | 1,947                      | 2,124           | On Request      |

Heavy Duty - 400 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                                |             | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|--------------------------------|-------------|-----------------|
|                      |                     | Input Current<br>At 400 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) (2) |             |                 |
|                      |                     | A                           | kVA            | A                   | ATV600<br>A                    | ATV900<br>A |                 |
| ATV•B0C11Q4          | 90                  | 144                         | 100            | 173                 | 260                            | 260         | On Request      |
| ATV•B0C13Q4          | 110                 | 174                         | 121            | 211                 | 317                            | 317         | On Request      |
| ATV•B0C16Q4          | 132                 | 208                         | 144            | 250                 | 375                            | 375         | On Request      |
| ATV•B0C20Q4          | 160                 | 252                         | 174            | 302                 | 453                            | 453         | On Request      |
| ATV•B0C25Q4          | 200                 | 313                         | 217            | 370                 | 555                            | 555         | On Request      |
| ATV•B0C31Q4          | 250                 | 389                         | 270            | 477                 | 716                            | 716         | On Request      |
| ATV•B0C35Q4          | 280                 | 436                         | 302            | 520                 | 780                            | 780         | On Request      |
| ATV•B0C40Q4          | 315                 | 491                         | 340            | 590                 | 885                            | 885         | On Request      |
| ATV•B0C45Q4          | 355                 | 553                         | 383            | 660                 | 990                            | 990         | On Request      |
| ATV•B0C50Q4          | 400                 | 620                         | 429            | 730                 | 1,095                          | 1,095       | On Request      |
| ATV•B0C56Q4          | 450                 | 697                         | 483            | 830                 | 1,245                          | 1,245       | On Request      |
| ATV•B0C63Q4          | 500                 | 775                         | 537            | 900                 | 1,350                          | 1,350       | On Request      |
| ATV•B0C71Q4          | 560                 | 868                         | 601            | 1,020               | 1,530                          | 1,530       | On Request      |
| ATV•B0C80Q4          | 630                 | 971                         | 673            | 1,140               | 1,710                          | 1,710       | On Request      |
| ATV•B0M10Q4          | 800                 | 1,227                       | 859            | 1,420               | 2,130                          | 2,130       | On Request      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

LH/Regen offer

Normal Duty - 690 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |            | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|------------|-----------------|
|                      |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |            |                 |
|                      |                     | A                           | kVA            | A                   | ATV600 (2)                 | ATV900 (3) |                 |
| ATV•B0C11Q6          | 110                 | 102                         | 122            | 125                 | 138                        | 150        | On Request      |
| ATV•B0C13Q6          | 132                 | 122                         | 146            | 145                 | 160                        | 174        | On Request      |
| ATV•B0C16Q6          | 160                 | 148                         | 177            | 175                 | 193                        | 210        | On Request      |
| ATV•B0C20Q6          | 200                 | 183                         | 219            | 215                 | 237                        | 258        | On Request      |
| ATV•B0C25Q6          | 250                 | 228                         | 273            | 275                 | 303                        | 330        | On Request      |
| ATV•B0C31Q6          | 315                 | 287                         | 343            | 340                 | 374                        | 408        | On Request      |
| ATV•B0C40Q6          | 400                 | 363                         | 434            | 425                 | 468                        | 510        | On Request      |
| ATV•B0C50Q6          | 500                 | 453                         | 541            | 520                 | 572                        | 624        | On Request      |
| ATV•B0C63Q6          | 630                 | 568                         | 678            | 650                 | 715                        | 780        | On Request      |
| ATV•B0C80Q6          | 800                 | 718                         | 859            | 830                 | 913                        | 996        | On Request      |
| ATV•B0M10Q6          | 1,000               | 898                         | 1,073          | 1,030               | 1,133                      | 1,236      | On Request      |
| ATV•B0M12Q6          | 1,200               | 1,078                       | 1,288          | 1,230               | 1,353                      | 1,476      | On Request      |

Heavy Duty - 690 V

| Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                                |        | Unit MRP<br>[₹] |
|----------------------|---------------------|-----------------------------|----------------|---------------------|--------------------------------|--------|-----------------|
|                      |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) (2) |        |                 |
|                      |                     | A                           | kVA            | A                   | ATV600                         | ATV900 |                 |
| ATV•B0C11Q6          | 90                  | 85                          | 101            | 105                 | 158                            | 158    | On Request      |
| ATV•B0C13Q6          | 110                 | 102                         | 122            | 125                 | 188                            | 188    | On Request      |
| ATV•B0C16Q6          | 132                 | 122                         | 146            | 145                 | 218                            | 218    | On Request      |
| ATV•B0C20Q6          | 160                 | 148                         | 177            | 175                 | 263                            | 263    | On Request      |
| ATV•B0C25Q6          | 200                 | 183                         | 219            | 215                 | 323                            | 323    | On Request      |
| ATV•B0C31Q6          | 250                 | 228                         | 273            | 275                 | 413                            | 413    | On Request      |
| ATV•B0C40Q6          | 315                 | 287                         | 343            | 340                 | 510                            | 510    | On Request      |
| ATV•B0C50Q6          | 400                 | 362                         | 433            | 425                 | 638                            | 638    | On Request      |
| ATV•B0C63Q6          | 500                 | 453                         | 541            | 520                 | 780                            | 780    | On Request      |
| ATV•B0C80Q6          | 630                 | 569                         | 680            | 650                 | 975                            | 975    | On Request      |
| ATV•B0M10Q6          | 800                 | 718                         | 859            | 830                 | 1,245                          | 1,245  | On Request      |
| ATV•B0M12Q6          | 1,000               | 898                         | 1,073          | 1,030               | 1,545                          | 1,545  | On Request      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023





APM Liquid Cooled Offer

Normal Duty - 415 V

| ND<br>Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |             | Unit MRP<br>[₹] |
|----------------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|-------------|-----------------|
|                            |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |             |                 |
|                            |                     | A                           | kVA            | A                   | ATV600<br>A                | ATV900<br>A |                 |
| ATV•L0C13Q4                | 132                 | 244                         | 169            | 250                 | 275                        | 300         | On Request      |
| ATV•L0C16Q4                | 160                 | 287                         | 199            | 302                 | 332                        | 362         | On Request      |
| ATV•L0C20Q4                | 200                 | 350                         | 242            | 370                 | 407                        | 444         | On Request      |
| ATV•L0C25Q4                | 250                 | 429                         | 297            | 477                 | 525                        | 572         | On Request      |
| ATV•L0C31Q4                | 315                 | 536                         | 371            | 590                 | 649                        | 708         | On Request      |
| ATV•L0C40Q4                | 400                 | 684                         | 474            | 730                 | 803                        | 876         | On Request      |
| ATV•L0C50Q4                | 500                 | 847                         | 587            | 900                 | 990                        | 1080        | On Request      |
| ATV•L0C63Q4                | 630                 | 1056                        | 732            | 1,140               | 1254                       | 1,368       | On Request      |
| ATV•L0C80Q4                | 800                 | 1335                        | 925            | 1,420               | 1562                       | 1,704       | On Request      |
| ATV•L0C90Q4                | 900                 | 1502                        | 1041           | 1,600               | 1760                       | 1920        | On Request      |
| ATV•L0M10Q4                | 1000                | 1669                        | 1156           | 1,770               | 1947                       | 2124        | On Request      |
| ATV•L0M12Q4                | 1200                | 2005                        | 1389           | 2,140               | 2354                       | 2568        | On Request      |
| ATV•L0M15Q4                | 1500                | 2513                        | 1741           | 2,680               | 2948                       | 3216        | On Request      |
| ATV•L0M18Q4                | 1800                | 3028                        | 2098           | 3,200               | 3520                       | 3840        | On Request      |

Heavy Duty - 415 V

| HD<br>Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |             | Unit MRP<br>[₹] |
|----------------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|-------------|-----------------|
|                            |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |             |                 |
|                            |                     | A                           | kVA            | A                   | ATV600<br>A                | ATV900<br>A |                 |
| ATV•L0C13Q4                | 110                 | 210                         | 145            | 211                 | 317                        | 317         | On Request      |
| ATV•L0C16Q4                | 132                 | 244                         | 169            | 250                 | 375                        | 375         | On Request      |
| ATV•L0C20Q4                | 160                 | 287                         | 199            | 302                 | 453                        | 453         | On Request      |
| ATV•L0C25Q4                | 200                 | 350                         | 242            | 370                 | 555                        | 555         | On Request      |
| ATV•L0C31Q4                | 250                 | 429                         | 297            | 477                 | 716                        | 716         | On Request      |
| ATV•L0C40Q4                | 315                 | 549                         | 380            | 590                 | 885                        | 885         | On Request      |
| ATV•L0C50Q4                | 400                 | 684                         | 474            | 730                 | 1095                       | 1095        | On Request      |
| ATV•L0C63Q4                | 500                 | 847                         | 587            | 900                 | 1350                       | 1350        | On Request      |
| ATV•L0C80Q4                | 630                 | 1062                        | 736            | 1140                | 1710                       | 1710        | On Request      |
| ATV•L0C90Q4                | 710                 | 1188                        | 823            | 1260                | 1890                       | 1890        | On Request      |
| ATV•L0M10Q4                | 800                 | 1339                        | 928            | 1420                | 2130                       | 2130        | On Request      |
| ATV•L0M12Q4                | 1000                | 1669                        | 1156           | 1770                | 2655                       | 2655        | On Request      |
| ATV•L0M15Q4                | 1200                | 2005                        | 1389           | 2140                | 3210                       | 3210        | On Request      |
| ATV•L0M18Q4                | 1400                | 2341                        | 1622           | 2470                | 3705                       | 3705        | On Request      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



Normal Duty - 690 V

| ND<br>Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |             | Unit MRP<br>[₹] |
|----------------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|-------------|-----------------|
|                            |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |             |                 |
|                            |                     | A                           | kVA            | A                   | ATV600<br>A                | ATV900<br>A |                 |
| ATV•L0C20Q6                | 200                 | 218                         | 261            | 215                 | 237                        | 258         | On Request      |
| ATV•L0C28Q6                | 280                 | 290                         | 347            | 308                 | 339                        | 370         | On Request      |
| ATV•L0C31Q6                | 315                 | 322                         | 385            | 340                 | 374                        | 408         | On Request      |
| ATV•L0C40Q6                | 400                 | 399                         | 477            | 425                 | 468                        | 510         | On Request      |
| ATV•L0C45Q6                | 450                 | 446                         | 533            | 480                 | 528                        | 576         | On Request      |
| ATV•L0C56Q6                | 560                 | 563                         | 673            | 590                 | 649                        | 708         | On Request      |
| ATV•L0C71Q6                | 710                 | 700                         | 837            | 740                 | 814                        | 888         | On Request      |
| ATV•L0C90Q6                | 900                 | 875                         | 1046           | 930                 | 1023                       | 1,116       | On Request      |
| ATV•L0M12Q6                | 1200                | 1260                        | 1506           | 1,230               | 1353                       | 1,476       | On Request      |
| ATV•L0M14Q6                | 1400                | 1355                        | 1619           | 1,425               | 1568                       | 1710        | On Request      |
| ATV•L0M16Q6                | 1600                | 1547                        | 1849           | 1,620               | 1782                       | 1944        | On Request      |
| ATV•L0M18Q6                | 1800                | 1740                        | 2080           | 1,820               | 2002                       | 2184        | On Request      |
| ATV•L0M22Q6                | 2200                | 2120                        | 2543           | 2,220               | 2442                       | 2664        | On Request      |
| ATV•L0M26Q6                | 2600                | 2517                        | 3008           | 2,620               | 2882                       | 3144        | On Request      |

Heavy Duty - 690 V

| HD<br>Modular Single Drive | Nominal Power<br>kW | Power Part Supply           |                | Drive (output)      |                            |             | Unit MRP<br>[₹] |
|----------------------------|---------------------|-----------------------------|----------------|---------------------|----------------------------|-------------|-----------------|
|                            |                     | Input Current<br>At 690 Vac | Apparent Power | Nominal Current (1) | Max. Transient current (1) |             |                 |
|                            |                     | A                           | kVA            | A                   | ATV600<br>A                | ATV900<br>A |                 |
| ATV•L0C20Q6                | 160                 | 184                         | 220            | 175                 | 263                        | 263         | On Request      |
| ATV•L0C28Q6                | 220                 | 236                         | 282            | 240                 | 360                        | 360         | On Request      |
| ATV•L0C31Q6                | 250                 | 262                         | 313            | 275                 | 413                        | 413         | On Request      |
| ATV•L0C40Q6                | 315                 | 322                         | 385            | 340                 | 510                        | 510         | On Request      |
| ATV•L0C45Q6                | 355                 | 359                         | 429            | 384                 | 576                        | 576         | On Request      |
| ATV•L0C56Q6                | 450                 | 462                         | 552            | 480                 | 720                        | 720         | On Request      |
| ATV•L0C71Q6                | 560                 | 563                         | 673            | 590                 | 885                        | 885         | On Request      |
| ATV•L0C90Q6                | 710                 | 700                         | 837            | 740                 | 1110                       | 1110        | On Request      |
| ATV•L0M12Q6                | 1000                | 976                         | 1166           | 1030                | 1545                       | 1545        | On Request      |
| ATV•L0M14Q6                | 1100                | 1070                        | 1279           | 1130                | 1695                       | 1695        | On Request      |
| ATV•L0M16Q6                | 1300                | 1262                        | 1508           | 1330                | 1995                       | 1995        | On Request      |
| ATV•L0M18Q6                | 1400                | 1357                        | 1622           | 1425                | 2138                       | 2138        | On Request      |
| ATV•L0M22Q6                | 1700                | 1644                        | 1955           | 1720                | 2580                       | 2580        | On Request      |
| ATV•L0M26Q6                | 2100                | 2030                        | 2426           | 2120                | 3180                       | 3180        | On Request      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Reduce mechanical stress on your machines

Altistart™ 01

Altivar™ ATS130






Altistart™ 22

Altivar™ Soft Starter ATS480

Complete range of soft starters from 0.37 kW (3 Amps)  
to 900 kW (1200 Amps)



# Altivar™ Soft Starters: 3 ranges to match your applications

|   |  |   |
|---|--|---|
|  <p>Small and Simple</p> |  <p>Compact design for normal duty applications</p> |  <p>Digitally integrated for heavy duty and normal duty applications</p> |
| ATS01   | ATS22  | ATS480  |

|   |  |   |
|---|--|---|
|  |  |  |
| Process and infrastructures   | Standard industrial Machines   | Simple machines and HVAC  |

## Main data on Altivar™ Soft Starters



|  |  |   |   |
|--|--|---|---|
| Us rated operational voltage             | 208 to 690V  | 230 to 440V<br>208 to 600V  | 110 to 480V single phase<br>110 to 480V 3 phase |
| Rated operational current                | 17 to 1200A  | 17 to 590A  | 3 to 12A (1 ph) –6 to 32A (3ph)                 |
| Power range                              | 4 to 900kW   | 4 to 400kW  | 0,37 to 15kW                                    |
| UcControl supply voltage                 | 110 to 230Vac  | 110 to 230Vac   | 24V AC/DC 110-240Vac                            |
| Connectivity                             | Modbus, Modbus TCP, EtherNet/IP, Profinet, Profibus DP, CANopen  | Modbus  | -   |
| Type of control                          | Torque Control, voltage control  | Voltage control   | Voltage ramp                                    |
| Current limitation                       | 500% Ie (up to 700% rated motor current)   | 350% Ie   | -   |
| Stop mode                                | Torque ramp, voltage ramp, dynamic braking, DC injection   | Freewheel, voltage ramp   | Freewheel, voltage ramp                         |
| Thermal protections<br>Other protections | Electronic, PTC, PT100 2 or 3 wires<br>Underload, overload, motor phase loss, line phase inversion excessive acceleration time, current overload, ground leakage | Electronic<br>Underload, overload, motor phase loss, line phase inversion excessive acceleration time, current overload, ground leakage | -   |

Soft Starter

ATS01 – Soft Starter for Simple Machine



| [Us] Rated Supply Voltage | Network Number of Phases | Motor Power kW  | Starting Time            | [Ie] Rated Operational Current (A) | Reference   | Unit MRP [₹] |
|---------------------------|--------------------------|-----------------|--------------------------|------------------------------------|-------------|--------------|
| 380....415V<br>50....60Hz | 3                        | 1.5kW/2.2kW/3kW | adjustable from 1 to 10s | 6                                  | ATS01N206QN | On Request   |
|                           |                          | 4kW             | adjustable from 1 to 10s | 9                                  | ATS01N209QN | On Request   |
|                           |                          | 5.5kW           | adjustable from 1 to 10s | 12                                 | ATS01N212QN | On Request   |
|                           |                          | 7.5kW/11kW      | adjustable from 1 to 10s | 22                                 | ATS01N222QN | On Request   |
|                           |                          | 15kW            | adjustable from 1 to 10s | 32                                 | ATS01N232QN | On Request   |

ATS22 - Soft Starter for Utilities (Pump & fan)



- Embedded shorting contactor
- Size reduction: average of 25% less compare to ATS48 alone (without additional by-pass)
- Full starter and motor protections
- True three phases control
- Modbus in Built

| kW (400 V)                                     | Nominal Current (Amps) | Reference | Unit MRP [₹] |
|--|------------------------|-----------|--------------|
| <b>Three phase-Supply Voltage: 230V...440V</b> |                        |           |              |
| 7.5  | 17                     | ATS22D17Q | On Request   |
| 15   | 32                     | ATS22D32Q | On Request   |
| 22   | 47                     | ATS22D47Q | On Request   |
| 30   | 62                     | ATS22D62Q | On Request   |
| 37   | 75                     | ATS22D75Q | On Request   |
| 45   | 88                     | ATS22D88Q | On Request   |
| 55   | 110                    | ATS22C11Q | On Request   |
| 75   | 140                    | ATS22C14Q | On Request   |
| 90   | 170                    | ATS22C17Q | On Request   |
| 110  | 210                    | ATS22C21Q | On Request   |
| 132  | 250                    | ATS22C25Q | On Request   |
| 160  | 320                    | ATS22C32Q | On Request   |
| 220  | 410                    | ATS22C41Q | On Request   |
| 250  | 480                    | ATS22C48Q | On Request   |
| 315  | 590                    | ATS22C59Q | On Request   |

Altivar™ Soft Starter ATS480



The Altivar™ Soft Starter ATS480 is the next evolution of soft starters for digitization, while meeting cybersecurity standard. Designed to address process and infrastructures, ATS480 simplifies projects execution and maximizes the availability of your applications, even in the most demanding environments.

ATS480 builds on the proven robustness and stop/ starting performance of the ATS48.

ATS480 extends the lifetime of ATS48 equipment and preserves your initial investment by reusing current design.

**Benefits**

**Reduced engineering time and cost**

- The integration of Altivar Soft Starter ATS480 in EcoStruxure™ Apps and software for Automation and Power drastically simplify architecture selection, detailed design and execution.

**Reliability for your operations**

- Highly robust and reliable even for the most demanding applications or in harsh environments
- Flexibility to improve the continuity of service of your applications

**Cybersecure**

- User account management to enforce authorization
- ATS480 has enhance cybersecurity features built-in to restrict or disable port and services
- Threat intelligence to generate security related reports
- Secure boot and firmware upgrade

# Complete solution for Process & Infrastructures projects



Only 1 range 208/690 V from 4 to 900kW



Options and accessories common to Altivar™

| Altivar " Soft Starter ATS480 characteristics |   |
|---|---|
| Us Rated operational voltage                  | 208 to 690V                                       |
| Ie rated operational current                  | 17 to 1700A                                       |
| Pe Power range                                | 4 to 900kW  |
| Application type                              | Normal and heavy duty                             |
| Control Type                                  | Torque control, the original                      |
| Current limitation                            | 500% Ie up to 700% motor In                       |
| Stop mode                                     | Torque ramp, dynamic braking, DC injection        |
| Motor thermal protection                      | Embedded electronic thermal relay, PTC, PT100     |
| Connectivity                                  | Modbus serial (embedded)                          |
|   | Modbus TCP  |
|   | EtherNet/IP PROFINET PROFIBUS DP CANopen          |
| Markings and Certifications                   | CE, c.UL.us, CCC, EAC, RCM, UKCA, DNV ABS, BV CCS |

## Soft Starter Selection

Refer to the following table to select ATS480 compatible with the ATS48 to substitute.

| Legacy offers                      |                                    | New offers                          |
|------------------------------------|------------------------------------|-------------------------------------|
| <b>ATS48●●●Q<br/>230...415 Vac</b> | <b>ATS48●●●Y<br/>208...690 Vac</b> | <b>ATS480●●●Y<br/>208...690 Vac</b> |
| ATS48D17Q                          | ATS48D17Y                          | ATS480D17Y                          |
| ATS48D22Q                          | ATS48D22Y                          | ATS480D22Y                          |
| ATS48D32Q                          | ATS48D32Y                          | ATS480D32Y                          |
| ATS48D38Q                          | ATS48D38Y                          | ATS480D38Y                          |
| ATS48D47Q                          | ATS48D47Y                          | ATS480D47Y                          |
| ATS48D62Q                          | ATS48D62Y                          | ATS480D62Y                          |
| ATS48D75Q                          | ATS48D75Y                          | ATS480D75Y                          |
| ATS48D88Q                          | ATS48D88Y                          | ATS480D88Y                          |
| ATS48C11Q                          | ATS48C11Y                          | ATS480C11Y                          |
| ATS48C14Q                          | ATS48C14Y                          | ATS480C14Y                          |
| ATS48C17Q                          | ATS48C17Y                          | ATS480C17Y                          |
| ATS48C21Q                          | ATS48C21Y                          | ATS480C21Y                          |
| ATS48C25Q                          | ATS48C25Y                          | ATS480C25Y                          |
| ATS48C32Q                          | ATS48C32Y                          | ATS480C32Y                          |
| ATS48C41Q                          | ATS48C41Y                          | ATS480C41Y                          |
| ATS48C48Q                          | ATS48C48Y                          | ATS480C48Y                          |
| ATS48C59Q                          | ATS48C59Y                          | ATS480C59Y                          |
| ATS48C66Q                          | ATS48C66Y                          | ATS480C66Y                          |
| ATS48C79Q                          | ATS48C79Y                          | ATS480C79Y                          |
| ATS48M10Q                          | ATS48M10Y                          | ATS480M10Y                          |
| ATS48M12Q                          | ATS48M12Y                          | ATS480M12Y                          |

The specific legacy references and their functionality are included in the substitution:

| Specific Legacy offers                                | New offers |
|---|------------|
| ATS48●●●YS316,<br>ability to set in Delta up to 500 V | ATS480●●●Y |
| ATS48●●●YS338,<br>tropicalization coating             |            |
| ATS48●●●QS338,<br>tropicalization coating             |            |
|   |            |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Green Premium™

## Enhance sustainability with Altivar™ Soft Starter ATS480

### Superior environmental performance thanks to upgradability and modernization solutions

Altivar™ Soft Starter ATS480 is RoHS and REACH compliant

- Transparent environment information
- Life Cycle Analysis, compliant with ISO 14025
- Circularity Profile

Altivar™ Soft Starter ATS480 brings key benefits to help you achieve superior upgradable performance by enhancing its embedded functionality and performance capabilities for both hardware and software. ATS480 also extends the service life of ATS48 equipment: ATS480 replaces ATS48 while keeping the same footprint, circuit breaker, contactors, cables, and behavior of the process, making way for evolution.

The additional power options and the cybersecurity-compliant firmware upgradability capabilities of the Altivar™ Soft Starter ATS480 can help you to maximize process continuity and operation, as well as reduce your operational expenses, by avoiding the need to replace your soft starter or modify your existing installation as a retrofit.

#### Benefits

- Enable a secure and digital area
- Reduce your engineering time and cost
- Help to secure your operations
- Reduce downtime
- Extend the service life of ATS48 equipment
- Make way for evolution
- Preserve your initial investment



#### Communication and Wi-Fi modules

The additional communication modules allow you to easily integrate Altivar™ Soft Starter ATS480 in your scalable automation system. Together with the Wi-Fi access point, they bring easy access to the real data provided by the soft starter, aiding its digitization and easy integration in Industry 4.0 technologies.

#### Cybersecurity-compliant firmware upgrade

You have the possibility to upgrade the Altivar™ Soft Starter ATS480 firmware. Available on se.com, the firmware is digitally signed and can only be applied if authenticity is verified by the ATS480.

#### Graphic display terminal and dynamic QR code

In addition to the detailed warnings and detected errors available on the removable plain text display terminal, the graphic display terminal provides contextual troubleshooting and direct access to the appropriate page of the documentation via a dynamic QR code.

#### Power options (line chokes, bypass contactor)

The power options of Altivar™ Soft Starter ATS480 bring you the possibility to improve the power quality and efficiency of your installation. These options also improve the continuity of service of the installation and its robustness.



Experience our offer on [se.com/green-premium](https://se.com/green-premium)



Product selector for ATS480



EcoStruxure™ Motor Control Configurator



EcoStruxure™ Motor Management Design

# Altistart™ 480

| ATS480 in-line                  |       |       |       |       |       |       |            | ATS480          |
|---------------------------------|-------|-------|-------|-------|-------|-------|------------|-----------------|
| Motor nameplate                 |       |       |       |       |       |       |            | ATS480          |
| Rated operational voltage (Ue)  |       |       |       |       |       |       |            |                 |
| Rated motor power               |       |       |       |       |       |       |            |                 |
| 230 V                           | 400 V | 440 V | 500 V | 525 V | 660 V | 690 V |            |                 |
| kW                              | kW    | kW    | kW    | kW    | kW    | kW    | Reference  | Unit MRP<br>[₹] |
| <b>Normal duty applications</b> |       |       |       |       |       |       |            |                 |
| 4                               | 7.5   | 7.5   | 9     | 9     | 11    | 15    | ATS480D17Y | On Request      |
| 5.5                             | 11    | 11    | 11    | 11    | 15    | 18.5  | ATS480D22Y | On Request      |
| 7.5                             | 15    | 15    | 18.5  | 18.5  | 22    | 22    | ATS480D32Y | On Request      |
| 9                               | 18.5  | 18.5  | 22    | 22    | 30    | 30    | ATS480D38Y | On Request      |
| 11                              | 22    | 22    | 30    | 30    | 37    | 37    | ATS480D47Y | On Request      |
| 15                              | 30    | 30    | 37    | 37    | 45    | 45    | ATS480D62Y | On Request      |
| 18.5                            | 37    | 37    | 45    | 45    | 55    | 55    | ATS480D75Y | On Request      |
| 22                              | 45    | 45    | 55    | 55    | 75    | 75    | ATS480D88Y | On Request      |
| 30                              | 55    | 55    | 75    | 75    | 90    | 90    | ATS480C11Y | On Request      |
| 37                              | 75    | 75    | 90    | 90    | 110   | 110   | ATS480C14Y | On Request      |
| 45                              | 90    | 90    | 110   | 110   | 132   | 160   | ATS480C17Y | On Request      |
| 55                              | 110   | 110   | 132   | 132   | 160   | 200   | ATS480C21Y | On Request      |
| 75                              | 132   | 132   | 160   | 160   | 220   | 250   | ATS480C25Y | On Request      |
| 90                              | 160   | 160   | 220   | 220   | 250   | 315   | ATS480C32Y | On Request      |
| 110                             | 220   | 220   | 250   | 250   | 355   | 400   | ATS480C41Y | On Request      |
| 132                             | 250   | 250   | 315   | 315   | 400   | 500   | ATS480C48Y | On Request      |
| 160                             | 315   | 355   | 400   | 400   | 560   | 560   | ATS480C59Y | On Request      |
| –                               | 355   | 400   | –     | –     | 630   | 630   | ATS480C66Y | On Request      |
| 220                             | 400   | 500   | 500   | 500   | 710   | 710   | ATS480C79Y | On Request      |
| 250                             | 500   | 630   | 630   | 630   | 900   | 900   | ATS480M10Y | On Request      |
| 355                             | 630   | 710   | 800   | 800   | –     | –     | ATS480M12Y | On Request      |
| <b>Heavy duty applications</b>  |       |       |       |       |       |       |            |                 |
| 3                               | 5.5   | 5.5   | 7.5   | 7.5   | 9     | 11    | ATS480D17Y | On Request      |
| 4                               | 7.5   | 7.5   | 9     | 9     | 11    | 15    | ATS480D22Y | On Request      |
| 5.5                             | 11    | 11    | 11    | 11    | 15    | 18.5  | ATS480D32Y | On Request      |
| 7.5                             | 15    | 15    | 18.5  | 18.5  | 22    | 22    | ATS480D38Y | On Request      |
| 9                               | 18.5  | 18.5  | 22    | 22    | 30    | 30    | ATS480D47Y | On Request      |
| 11                              | 22    | 22    | 30    | 30    | 37    | 37    | ATS480D62Y | On Request      |
| 15                              | 30    | 30    | 37    | 37    | 45    | 45    | ATS480D75Y | On Request      |
| 18.5                            | 37    | 37    | 45    | 45    | 55    | 55    | ATS480D88Y | On Request      |
| 22                              | 45    | 45    | 55    | 55    | 75    | 75    | ATS480C11Y | On Request      |
| 30                              | 55    | 55    | 75    | 75    | 90    | 90    | ATS480C14Y | On Request      |
| 37                              | 75    | 75    | 90    | 90    | 110   | 110   | ATS480C17Y | On Request      |
| 45                              | 90    | 90    | 110   | 110   | 132   | 160   | ATS480C21Y | On Request      |
| 55                              | 110   | 110   | 132   | 132   | 160   | 200   | ATS480C25Y | On Request      |
| 75                              | 132   | 132   | 160   | 160   | 220   | 250   | ATS480C32Y | On Request      |
| 90                              | 160   | 160   | 220   | 220   | 250   | 315   | ATS480C41Y | On Request      |
| 110                             | 220   | 220   | 250   | 250   | 355   | 400   | ATS480C48Y | On Request      |
| 132                             | 250   | 250   | 315   | 315   | 400   | 500   | ATS480C59Y | On Request      |
| 160                             | 315   | 355   | 400   | 400   | 560   | 560   | ATS480C66Y | On Request      |
| –                               | 355   | 400   | –     | –     | 630   | 630   | ATS480C79Y | On Request      |
| 220                             | 400   | 500   | 500   | 500   | 710   | 710   | ATS480M10Y | On Request      |
| 250                             | 500   | 630   | 630   | 630   | 900   | 900   | ATS480M12Y | On Request      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023





# Harmony Relays

## Electromechanical, Timer and control Relays

Enhance **operational efficiency** and **optimize equipment availability** with our widest range of relays. Harmony relays are designed, manufactured, and tested to meet your needs for both wired logic functions and PLC Interfaces.

[se.com/in](https://se.com/in)



- **Wide choice:** 1C/O 10 A – 2C/O 5 A, 6 VDC – 230 VAC, multifunctional features
- **Robust installation:** fast-on pin terminal
- **Easy to use:** optional status indication and test function
- **Safe to perform:** feasibility to add protection modules (diode, diode + LED, RC circuit, or varistor + LED)
- **Space saving:** only 16 mm socket for 2C/O
- Complies to CE, UL, CSA, EAC

## RXG Interface Relays NEW

| Description  | Relay       | Control Circuit Voltage (V) |    | Reference | Unit MRP<br>[₹] |
|--|-------------|-----------------------------|----|-----------|-----------------|
| <b>1CO 6 Pin Relay Standard cover lockable test button</b>         |             |                             |    |           |                 |
| Without LED indicator  | 1 CO - 10 A | 24V                         | DC | RXG11BD   | 558             |
|  |             | 24V                         |    | RXG11B7   | 714             |
|  |             | 120V                        | AC | RXG11F7   | 735             |
|  |             | 230V                        |    | RXG11P7   | 694             |
| <b>1CO 6 Pin Relay Standard cover lockable test button</b>         |             |                             |    |           |                 |
| With LED indicator   | 1 CO - 10 A | 24V                         | DC | RXG12BD   | 629             |
|  |             | 24V                         |    | RXG12B7   | 755             |
|  |             | 120V                        | AC | RXG12F7   | 755             |
|  |             | 230V                        |    | RXG12P7   | 755             |
| <b>1CO 6 Pin Relay without locable test button</b>                 |             |                             |    |           |                 |
| With LED indicator   | 1 CO - 10 A | 24V                         | DC | RXG13BD   | 586             |
|  |             | 120V                        | AC | RXG13F7   | 803             |
|  |             | 230V                        |    | RXG13P7   | 739             |
| <b>1CO 6 Pin Relay without locable test button</b>                 |             |                             |    |           |                 |
| Without LED indicator  | 1 CO - 10 A | 12V                         | DC | RXG15JD   | 517             |
|  |             | 24V                         |    | RXG15BD   | 528             |
|  |             | 230V                        | AC | RXG15P7   | 629             |
| <b>2CO 8 Pin Relay Standard cover lockable test button</b>         |             |                             |    |           |                 |
| Without LED indicator  | 2 CO - 5 A  | 12V                         | DC | RXG21JD   | 639             |
|  |             | 24V                         |    | RXG21BD   | 628             |
|  |             | 120V                        | AC | RXG21F7   | 762             |
|  |             | 220V                        |    | RXG21M7   | 820             |
|  |             | 230V                        |    | RXG21P7   | 748             |
| <b>2CO 8 Pin Relay Standard cover lockable test button</b>         |             |                             |    |           |                 |
| With LED indicator   | 2 CO - 5 A  | 24V                         | DC | RXG22BD   | 699             |
|  |             | 48V                         |    | RXG22ED   | 724             |
|  |             | 24V                         | AC | RXG22B7   | 840             |
|  |             | 120V                        |    | RXG22F7   | 840             |
|  |             | 220V                        |    | RXG22M7   | 824             |
|  |             | 230V                        |    | RXG22P7   | 840             |
| <b>2CO 8 Pin Relay Standard cover without lockable test button</b> |             |                             |    |           |                 |
| With LED indicator   | 2 CO - 5 A  | 24V                         | DC | RXG23BD   | 655             |
|  |             | 24V                         |    | RXG23B7   | 793             |
|  |             | 120V                        | AC | RXG23F7   | 793             |
|  |             | 220V                        |    | RXG23M7   | 793             |
|  |             | 230V                        |    | RXG23P7   | 807             |
| <b>2CO 8 Pin Relay Standard cover without lockable test button</b> |             |                             |    |           |                 |
| Without LED indicator  | 2 CO - 5 A  | 12V                         | DC | RXG25JD   | 557             |
|  |             | 24V                         |    | RXG25BD   | 567             |
|  |             | 220V                        | AC | RXG25M7   | 735             |
|  |             | 230V                        |    | RXG25P7   | 695             |

Please contact Customer Care Center for Stockable and Non stockable status of references.

✔ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



- 5A relay with 2C/O contacts or 3A relay with 4 C/O contacts
- Mechanical indicator with transparent cover
- Power On™ LED for readiness
- Socket for both DIN-rail and panel mounting
- Eco-design with ROHS, CE, GOST

## RXM Miniature Relays

| Description  | Relay      | Control Circuit Voltage (V) |    | Reference | Unit MRP [₹] |
|--|------------|-----------------------------|----|-----------|--------------|
| <b>2 CO 8 Pin relays Without lockable test button</b>  |            |                             |    |           |              |
| Without LED indicator                                  | 2 CO - 5 A | 24V                         | DC | RXM2LB1BD | 423          |
|  |            | 24V                         |    | RXM2LB1B7 | 442          |
|  |            | 120V                        | AC | RXM2LB1F7 | 442          |
|  |            | 230V                        |    | RXM2LB1P7 | 433          |
| With LED indicator                                     | 2 CO - 5 A | 24V                         | DC | RXM2LB2BD | 455          |
|  |            | 48V                         |    | RXM2LB2ED | 488          |
|  |            | 24V                         |    | RXM2LB2B7 | 488          |
|  |            | 120V                        | AC | RXM2LB2F7 | 488          |
|  |            | 230V                        |    | RXM2LB2P7 | 455          |
| <b>4 CO 14 Pin relays Without lockable test button</b> |            |                             |    |           |              |
| Without LED indicator                                  | 4 CO - 3 A | 12V                         | DC | RXM4LB1JD | 598          |
|  |            | 24V                         |    | RXM4LB1BD | 488          |
|  |            | 24V                         |    | RXM4LB1B7 | 536          |
|  |            | 120V                        | AC | RXM4LB1F7 | 616          |
| With LED indicator                                     | 4 CO - 3 A | 230V                        |    | RXM4LB1P7 | 488          |
|  |            | 12V                         | DC | RXM4LB2JD | 550          |
|  |            | 24V                         |    | RXM4LB2BD | 515          |
|  |            | 48V                         |    | RXM4LB2ED | 550          |
|  |            | 24V                         |    | RXM4LB2B7 | 550          |
|  |            | 120V                        | AC | RXM4LB2F7 | 550          |
|  |            | 230V                        |    | RXM4LB2P7 | 515          |

| Description                             | Type      | Reference | Unit MRP [₹] |
|---|-----------|-----------|--------------|
| <b>Sockets</b>                          |           |           |              |
| Mixed,screw clamp term, for RXM2L range | Socket    | RXZE1M2C  | 214          |
| Mixed,screw clamp term, for RXM4L range |           | RXZE1M4C  | 273          |
| Metal clamp for RXZE1M2C                | Accessory | RXZ420    | 51           |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**RXM\*NB Miniature Relays**

| Description  | Relay       | Control Circuit Voltage (V) |    | Reference | Unit MRP [₹] |
|--|-------------|-----------------------------|----|-----------|--------------|
| <b>Miniature Relays without Lockable Test-Button</b> |             |                             |    |           |              |
| With LED indicators                                  | 2 CO - 10 A | 24V                         | DC | RXM2NB3BD | 492          |
|  |             | 120V                        |    | RXM2NB3FD | 545          |
|  |             | 220V                        |    | RXM2NB3MD | 696          |
|  | 2 CO - 10 A | 230V                        | AC | RXM2NB3P7 | 545          |
|  |             | 24V                         | DC | RXM4NB3BD | 608          |
|  |             | 120V                        | AC | RXM4NB3F7 | 619          |
| 230V   | RXM4NB3P7   | 579                         |    |           |              |

| Description                     | Connection            | Relay Type | Reference | Unit MRP [₹] |
|---------------------------------|-----------------------|------------|-----------|--------------|
| <b>Sockets for RXMNB relays</b> |                       |            |           |              |
| Mixed                           | Screw Clamp connector | RXN2N      | RXZE2M2N  | 229          |
| Mixed                           | Screw Clamp connector | RXN4N      | RXZE2M4N  | 261          |

**RPM Power Relay**

| Description         | Relay       | Control Circuit Voltage (V) |         | Reference | Unit MRP [₹] |      |
|---------------------|-------------|-----------------------------|---------|-----------|--------------|------|
| <b>Power Relay</b>  |             |                             |         |           |              |      |
| With LED Indicators | 1 CO - 15 A | 24V                         | DC      | RPM12BD   | 873          |      |
|                     |             | 24 V                        | DC      | RPM22BD   | 1158         |      |
|                     | 2 CO - 15 A | 120V                        | AC      | RPM22F7   | 1556         |      |
|                     |             | 230V                        |         | RPM22P7   | 1305         |      |
|                     | 3 CO - 15 A | 24V                         | DC      | RPM32BD   | 1474         |      |
|                     |             | 230V                        | AC      | RPM32P7   | 1503         |      |
|                     | 4 CO - 15 A | 24V                         | DC      | RPM42BD   | 1417         |      |
|                     |             |                             |         | 48V       | RPM42ED      | 1512 |
|                     |             |                             |         | 110V      | RPM42FD      | 1536 |
|                     |             | 48V                         | AC      | RPM42B7   | 1401         |      |
|                     |             |                             |         | 110V      | RPM42E7      | 1465 |
|                     |             |                             |         | 230V      | RPM42F7      | 1574 |
|                     |             |                             | RPM42P7 | 1392      |              |      |

| Description                                      | Connection            | Relay Type | Reference | Unit MRP [₹] |
|--|-----------------------|------------|-----------|--------------|
| <b>Sockets</b>                                   |                       |            |           |              |
| Mixed  | Screw Clamp connector | RPM1       | RPZF1     | 562          |
|  |                       | RPM2       | RPZF2     | 564          |
|  |                       | RPM3       | RPZF3     | 996          |
|  |                       | RPM4       | RPZF4     | 962          |
| <b>Clips And Legends</b>                         |                       |            |           |              |
| Metal maintaining clamp - for relay socket RPZF1 |                       |            | RPZR235   | 151          |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## RXM Miniature Relays

| Description   | Relay       | Control Circuit Voltage (V) | Reference | Unit MRP [₹] |
|---|-------------|-----------------------------|-----------|--------------|
| <b>2CO 8 Pin Relay Standard cover lockable test button</b>        |             |                             |           |              |
| Without LED indicator   | 2 CO - 12 A | 12V                         | RXM2AB1JD | 659          |
|   |             | 24V                         | RXM2AB1BD | 634          |
|   |             | 48V                         | RXM2AB1ED | 696          |
|   |             | 110V                        | RXM2AB1FD | 665          |
|   | AC          | 24V                         | RXM2AB1B7 | 659          |
|   |             | 48V                         | RXM2AB1E7 | 659          |
|   |             | 120V                        | RXM2AB1F7 | 659          |
|   |             | 230V                        | RXM2AB1P7 | 634          |
| <b>2CO 8 Pin Relay Standard cover lockable test button</b>        |             |                             |           |              |
| With LED indicator  | 2 CO - 12 A | 12V                         | RXM2AB2JD | 688          |
|   |             | 24V                         | RXM2AB2BD | 659          |
|   |             | 48V                         | RXM2AB2ED | 726          |
|   |             | 110V                        | RXM2AB2FD | 675          |
|   | AC          | 24V                         | RXM2AB2B7 | 683          |
|   |             | 48V                         | RXM2AB2E7 | 675          |
|   |             | 120V                        | RXM2AB2F7 | 688          |
|   |             | 230V                        | RXM2AB2P7 | 659          |
| <b>3CO 11 Pin Relay Standard cover with lockable test button</b>  |             |                             |           |              |
| With LED indicator  | 3 CO - 10 A | 12V                         | RXM3AB1JD | 881          |
|   |             | 24V                         | RXM3AB1BD | 880          |
|   |             | 24V                         | RXM3AB1B7 | 981          |
|   | AC          | 120V                        | RXM3AB1F7 | 906          |
|   |             | 230V                        | RXM3AB1P7 | 906          |
| <b>3 CO 11 Pin Relay Standard cover with lockable test button</b> |             |                             |           |              |
| Without LED indicator   | 3 CO - 10 A | 24V                         | RXM3AB2BD | 842          |
|   |             | 48V                         | RXM3AB2ED | 1036         |
|   |             | 110V                        | RXM3AB2FD | 975          |
|   | AC          | 24V                         | RXM3AB2B7 | 916          |
|   |             | 120V                        | RXM3AB2F7 | 881          |
|   |             | 230V                        | RXM3AB2P7 | 881          |
| <b>4CO 14 Pin Relay Standard cover with lockable test button</b>  |             |                             |           |              |
| With LED indicator  | 4 CO - 6 A  | 12V                         | RXM4AB1JD | 789          |
|   |             | 24V                         | RXM4AB1BD | 789          |
|   |             | 48V                         | RXM4AB1ED | 879          |
|   |             | 110V                        | RXM4AB1FD | 879          |
|   | AC          | 24V                         | RXM4AB1B7 | 805          |
|   |             | 48V                         | RXM4AB1E7 | 827          |
|   |             | 120V                        | RXM4AB1F7 | 805          |
|   |             | 230V                        | RXM4AB1P7 | 805          |
| <b>4 CO 14 Pin Relay Standard cover with lockable test button</b> |             |                             |           |              |
| Without LED indicator   | 4 CO - 6 A  | 12V                         | RXM4AB2JD | 920          |
|   |             | 24V                         | RXM4AB2BD | 874          |
|   |             | 48V                         | RXM4AB2ED | 920          |
|   |             | 110V                        | RXM4AB2FD | 920          |
|   | AC          | 24V                         | RXM4AB2B7 | 937          |
|   |             | 48V                         | RXM4AB2E7 | 937          |
|   |             | 120V                        | RXM4AB2F7 | 937          |
|   |             | 230V                        | RXM4AB2P7 | 891          |

## RXM Miniature Relays

| Description                                    | Relay       | Control Circuit Voltage (V) | Reference | Unit MRP [₹] |      |
|--|-------------|-----------------------------|-----------|--------------|------|
| <b>4CO 14 Pin Relay with Low level contact</b> |             |                             |           |              |      |
| Without LED indicator                          | 4 CO - 3 A  | 24V                         | DC        | RXM4GB1BD    | 967  |
|  |             | 230V                        | AC        | RXM4GB1P7    | 912  |
| <b>4CO 14 Pin Relay with Low level contact</b> |             |                             |           |              |      |
| With LED indicator                             | 2 CO - 12 A | 12V                         | DC        | RXM4GB2JD    | 997  |
|  |             | 24V                         | DC        | RXM4GB2BD    | 951  |
| With Locakable test button                     | 2 CO - 12 A | 220 V                       | DC        | RXM4GB2MD    | 676  |
|  |             | 120V                        | AC        | RXM4GB2F7    | 997  |
|  |             | 230V                        | AC        | RXM4GB2P7    | 978  |
|  |             | 240V                        | AC        | RXM4GB2U7    | 1005 |

| Description    | Connection      | Relay Type    | Thermal Current (Ith) | Reference  | Unit MRP [₹] |
|----------------|-----------------|---------------|-----------------------|------------|--------------|
| <b>Sockets</b> |                 |               |                       |            |              |
| Mixed contact  | Screw Clamp     | RXM2* / RXM4* | 10A                   | RXZE2M114  | 334          |
|                | Screw Connector | RXM2* / RXM4* | 10A                   | RXZE2M114M | 300          |
| Separate       | Screw Connector | RXM2*         | 12A                   | RXZE2S108M | 348          |
|                |                 | RXM3*         | 10A                   | RXZE2S111M | 385          |
|                |                 | RXM4*         | 10A                   | RXZE2S114M | 411          |

| Description    | Voltage V        | For use with | Reference | Unit MRP [₹] |
|----------------|------------------|--------------|-----------|--------------|
| <b>Sockets</b> |                  |              |           |              |
| Diode          | 6...250 V DC     | All Aockets  | RXM040W   | 157          |
| RC Circuit     | 24..60 V AC      | All Aockets  | RXM041BN7 | 168          |
|                | 110..240 V AC    | All Aockets  | RXM041FU7 | 168          |
| RC Circuit     | 6..24 V AC/DC    | All Aockets  | RXM021RB  | 198          |
|                | 24..60 V AC/DC   | All Aockets  | RXM021BN  | 198          |
|                | 110..240 V AC/DC | All Aockets  | RXM021FP  | 188          |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



RE17 Electronic Timers

| Description           | Supply Voltage         | Time Range     | Output  | Reference | Unit MRP [₹] |
|-----------------------|------------------------|----------------|---------|-----------|--------------|
| <b>RE10 Timers</b>    |                        |                |         |           |              |
| MultiFunction         | 24 V DC, 24...240 V AC | 1 s .. 100 h   | 1 CO    | RE10RMMU  | 2045         |
| <b>RE17 Timers</b>    |                        |                |         |           |              |
| On Delay              | 24 ...240 V AC/DC      | 0.1 s .. 100 h | 1 CO SS | RE17LAMW  | 2879         |
| Off -delay            | 24 ...240 V AC         | 1 s .. 100 h   | 1 CO SS | RE17LCBM  | 3367         |
| Interval on delay     | 24 ...240 V AC         | 1 s .. 100 h   | 1 CO SS | RE17LHBM  | 4307         |
| Asymmetrical flashing | 24 ...240 V AC         | 1 s .. 100 h   | 1 CO SS | RE17LLBM  | 3539         |
| Multifunction         | 24 ...240 V AC         | 1 s .. 100 h   | 1 CO SS | RE17LMBM  | 3467         |
| On Delay              | 24 VDC /24...240 VAC   | 1 s .. 100 h   | 1 CO    | RE17RAMU  | 2701         |
| single Interval       | 24 VDC /24...240 VAC   | 1 s .. 100 h   | 1 CO    | RE17RBMU  | 4015         |
| Off- Delay            | 24 VDC /24...240 VAC   | 1 s .. 100 h   | 1 CO    | RE17RCMU  | 2825         |
| Interval on delay     | 24 VDC /24...240 VAC   | 1 s .. 100 h   | 1 CO    | RE17RHMU  | 2906         |
| Asymmetrical flashing | 24 VDC /24...240 VAC   | 1 s .. 100 h   | 1 CO    | RE17RLMU  | 3777         |
| Multifunction         | 12 V DC                | 1 s .. 100 h   | 1 CO    | RE17RMJU  | 3573         |
| Multifunction         | 24 VDC /24...240 VAC   | 1 s .. 100 h   | 1 CO    | RE17RMMU  | 3473         |
| Multifunction         | 12 ...240 VAC/DC       | 0.1 s .. 100 h | 1 CO    | RE17RMMW  | 3868         |
| Multifunction         | 12 ...240 VAC/DC       | 0.1 s .. 100 h | 1 CO    | RE17RMMWS | 4166         |
| Multifunction         | 24 VDC /24...240 VAC   | 0.1 s .. 100 h | 1 CO    | RE17RMXMU | 4369         |
| Multifunction         | 24 VDC /24...240 VAC   | 0.1 s .. 10 h  | 1 CO    | RE17RMEMU | 3427         |



RE22 Electronic Timers

| Description           | Supply Voltage       | Time Range    | Output | Reference  | Unit MRP [₹] |
|-----------------------|----------------------|---------------|--------|------------|--------------|
| <b>RM22 Timers</b>    |                      |               |        |            |              |
| On Delay              | 24 ...240 V AC/DC    | 0.05s...300h  | 1 CO   | RE22R1AMR  | 4982         |
| Off Delay             | 24 ...240 V AC/DC    | 0.05s...300h  | 1 CO   | RE22R1CMR  | 9467         |
| Off Delay             | 24 ...240 V AC/DC    | 0.05s...10min | 1 CO   | RE22R1KMR  | 11232        |
| Asymmetrical flashing | 24 ...240 V AC/DC    | 0.05s...300h  | 1 CO   | RE22R1MLMR | 7825         |
| Multi function        | 24 ...240 V AC/DC    | 0.05s...300h  | 1 CO   | RE22R1MYMR | 7621         |
| Start Delta           | 24 VDC /24...240 VAC | 0.05s...300s  | 1 CO   | RE22R1QCMU | 5936         |
| Start Delta           | 230/380 V AC         | 1s...100h     | 1 CO   | RE22R1QMQ  | 4788         |
| Start Delta           | 24 VDC /24...240 VAC | 1s...100h     | 1 CO   | RE22R1QMU  | 5620         |
| On Delay              | 24 ...240 V AC/DC    | 0.05s...300h  | 2 CO   | RE22R2AMR  | 9565         |
| Off Delay             | 24 VDC /24...240 VAC | 1s...100h     | 2 CO   | RE22R2AMU  | 4700         |
| Off Delay             | 24 ...240 V AC/DC    | 0.05s...300h  | 2 CO   | RE22R2CMR  | 13784        |
| Asymmetrical flashing | 24 ...240 V AC/DC    | 0.05s...300h  | 2 CO   | RE22R2DMR  | 7825         |
| Off Delay             | 24 ...240 V AC/DC    | 0.05s...10min | 2 CO   | RE22R2KMR  | 13760        |
| Multi function        | 24 ...240 V AC/DC    | 1s...100h     | 2 CO   | RE22R2MMU  | 4721         |
| Multi function        | 12 ...240 VAC/DC     | 1s...100h     | 2 CO   | RE22R2MMW  | 5393         |
| Multi function        | 24 ...240 V AC/DC    | 0.05s...300h  | 2 CO   | RE22R2MYMR | 15355        |
| Start Delta           | 24 ...240 V AC/DC    | 0.05s...30s   | 2 CO   | RE22R2QEMR | 7207         |
| Start Delta           | 24 ...240 V AC/DC    | 0.05s...300h  | 2 CO   | RE22R2QGMR | 10789        |
| Start Delta           | 24 ...240 V AC/DC    | 0.05s...300h  | 2 CO   | RE22R2QTRM | 7582         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Control - Monitoring & Control Relays

| Description  | Supply Voltage | Measurement Range | Time Range | Output     | Reference | Unit MRP [₹] |
|--|----------------|-------------------|------------|------------|-----------|--------------|
| <b>RM10 Measurement &amp; Control Relays</b>                 |                |                   |            |            |           |              |
| 3 Phase Multifunction  | Self Powered   | 208...480 VAC     | -          | 1 CO       | RM10TE00  | 3001         |
| 3 Phase Multifunction  |                | 183...528 VAC     | -          | 1 CO       | RM10TG00  | 2770         |
| <b>RM17 Measurement &amp; Control Relays ( self Powered)</b> |                |                   |            |            |           |              |
| 3 Ø: Phase loss/ Phase sequence                              | Self Powered   | 208...480 VAC     | -          | 1 CO       | RM17TG00  | 14408        |
| 3 Ø: Phase loss/ Phase sequence                              |                | 208...440 VAC     | -          | 2 CO       | RM17TG20  | 3851         |
| Phase Sequence, Phase,loss,Undervoltage                      |                | 208...480 VAC     | -          | 1 CO       | RM17TU00  | 7743         |
| Phase Sequence, Phase,loss, Asymmetry                        |                | 208...480 VAC     | -          | 1 CO       | RM17TA00  | 9461         |
| Multifunction  |                | 208...480 VAC     | -          | 1 CO       | RM17TE00  | 24699        |
| 1 phase under or overvoltage control                         |                | 20 to 80 VAC/DC   | 0.1 - 10 s | 1 CO       | RM17UAS16 | 6454         |
| 1 phase under or overvoltage control                         |                | 65 to 260 VAC/DC  | 0.1 - 10 s | 1 CO       | RM17UAS15 | 7743         |
| 1 phase/ under or overvoltage control in window              |                |                   |            | 0.1 - 10 s | 1 CO      | RM17UBE15    |

| Description                                  | Supply Voltage  | Measurement Range | Time Range | Output | Reference  | Unit MRP [₹] |
|--|-----------------|-------------------|------------|--------|------------|--------------|
| <b>RM22 Measurement &amp; Control Relays</b> |                 |                   |            |        |            |              |
| Phase loss/ Phase sequence                   | Self powered    | 208...480 VAC     | -          | 2 CO   | RM22TG20   | 5860         |
| Multifunction                                | Self powered    | 208...480 VAC     | 0.1..30 s  | 2 CO   | RM22TR33   | 4562         |
| Phase Sequence, Phase,loss,Undervoltage      | Self powered    | 208...480 VAC     | -          | 2 CO   | RM22TU23   | 7759         |
| Under or overvoltage                         | 24...240 VAC    | 1...100 VAC/DC    | 0.1..30 s  | 2 CO   | RM22UA32MR | 11849        |
| Under or overvoltage                         |                 | 15...500 VAC/DC   | 0.1..30 s  | 2 CO   | RM22UA33MR | 10404        |
| Under or overcurrent                         | 24...240 VAC    | 4mA...1A          | 0.1..30 s  | 2 CO   | RM22JA31MR | 11064        |
| Level Control                                | 24...240 VAC    | 4K...100K ohm     | -          | 1 CO   | RM22LG11MR | 5917         |
| <b>RM35 Measurement &amp; control relays</b> |                 |                   |            |        |            |              |
| Multifunction                                | Self powered    | 220...480 VAC     | -          | 2C/O   | RM35TF30   | On Request   |
| Under or overvoltage P-N                     | Self powered    | 120...277 VAC     | -          | 2C/O   | RM35UB3N30 | On Request   |
| Over or undervoltage                         | 24...240 VAC/DC | 15...600 VAC/DC   | -          | 2C/O   | RM35UA13MW | On Request   |
| over or undercurrent                         | 24...240 VAC/DC | 0.15...15A        | -          | 2C/O   | RM35JA32MW | On Request   |
| Liquid level control                         | 24...240 VAC/DC | -                 | -          | 1 C/O  | RM35LV14MW | On Request   |
| Liquid level control                         | 24...240 VAC/DC | -                 | -          | 2C/O   | RM35LM33MW | On Request   |
| Under or overspeed                           | 24...240 VAC/DC | -                 | -          | 1 C/O  | RM35S0MW   | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Control & Signaling Unit

Push Buttons, Switches and Pilot Lights



## Pilot lights

| Description   | Supply Voltage  | Colour | Reference  | Unit MRP [₹] |
|---|-----------------|--------|------------|--------------|
| <b>With Direct Integral LED</b>   |                 |        |            |              |
|    | ~/- 12V         | White  | XA2EVJ1LC  | 211          |
|   |                 | Green  | XA2EVJ3LC  | 189          |
|   |                 | Red    | XA2EVJ4LC  | 189          |
|   |                 | Amber  | XA2EVJ5LC  | 189          |
|   |                 | Blue   | XA2EVJ6LC  | 280          |
|   |                 | Yellow | XA2EVJ8LC  | 189          |
|   | ~/- 24V         | White  | XA2EVB1LC  | 211          |
|   |                 | Green  | XA2EVB3LC  | 189          |
|   |                 | Red    | XA2EVB4LC  | 189          |
|   |                 | Amber  | XA2EVB5LC  | 189          |
|   |                 | Blue   | XA2EVB6LC  | 280          |
|   |                 | Yellow | XA2EVB8LC  | 189          |
|  | ~/- 30V         | White  | XA2EVC1LC  | 211          |
|   |                 | Green  | XA2EVC3LC  | 189          |
|   |                 | Red    | XA2EVC4LC  | 189          |
|   |                 | Amber  | XA2EVC5LC  | 189          |
|   |                 | Blue   | XA2EVC6LC  | 280          |
|   |                 | Yellow | XA2EVC8LC  | 189          |
|  | ~/- 48V         | White  | XA2EVE1LC  | 211          |
|   |                 | Green  | XA2EVE3LC  | 189          |
|   |                 | Red    | XA2EVE4LC  | 189          |
|   |                 | Amber  | XA2EVE5LC  | 189          |
|   |                 | Blue   | XA2EVE6LC  | 280          |
|   |                 | Yellow | XA2EVE8LC  | 189          |
|  | ~/- 60...63.5 V | White  | XA2EVEE1LC | 211          |
|   |                 | Green  | XA2EVEE3LC | 189          |
|   |                 | Red    | XA2EVEE4LC | 189          |
|   |                 | Amber  | XA2EVEE5LC | 189          |
|   |                 | Blue   | XA2EVEE6LC | 280          |
|   |                 | Yellow | XA2EVEE8LC | 189          |
|  | ~/- 110 V       | White  | XA2EVF1LC  | 219          |
|   |                 | Green  | XA2EVF3LC  | 189          |
|   |                 | Red    | XA2EVF4LC  | 189          |
|   |                 | Amber  | XA2EVF5LC  | 189          |
|   |                 | Blue   | XA2EVF6LC  | 309          |
|   |                 | Yellow | XA2EVF8LC  | 189          |
|  | - 220 V         | White  | XA2EVMD1LC | 263          |
|   |                 | Green  | XA2EVMD3LC | 254          |
|   |                 | Red    | XA2EVMD4LC | 238          |
|   |                 | Amber  | XA2EVMD5LC | 263          |
|   |                 | Blue   | XA2EVMD6LC | 530          |
|   |                 | Yellow | XA2EVMD8LC | 238          |
|  | ~ 220 ... 230 V | White  | XA2EVM1LC  | 211          |
|   |                 | Green  | XA2EVM3LC  | 189          |
|   |                 | Red    | XA2EVM4LC  | 189          |
|   |                 | Amber  | XA2EVM5LC  | 189          |
|   |                 | Blue   | XA2EVM6LC  | 280          |
|   |                 | Yellow | XA2EVM8LC  | 189          |
|  | ~ 380 ... 400 V | White  | XA2EVQ1LC  | 290          |
|   |                 | Green  | XA2EVQ3LC  | 290          |
|   |                 | Red    | XA2EVQ4LC  | 280          |
|   |                 | Amber  | XA2EVQ5LC  | 309          |
|   |                 | Blue   | XA2EVQ6LC  | 623          |
|   |                 | Yellow | XA2EVQ8LC  | 280          |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Pushbuttons**

| Description   | Contacts    | Color  | Reference | Unit MRP [₹] |
|---|-------------|--------|-----------|--------------|
| <b>Pushbuttons plastic circular bezel - complete, spring return</b> |             |        |           |              |
| Flush unmarked  | 1 NO        | White  | XB5AA11N  | 192          |
|   | 1 NO        | Black  | XB5AA21N  | 180          |
|   | 1 NO        | Green  | XB5AA31N  | 180          |
|   | 1 NO        | Yellow | XB5AA51N  | 180          |
|   | 1 NO        | Blue   | XB5AA61N  | 180          |
|   | 1 NC        | Red    | XB5AA42N  | 180          |
|   | 1 NO        | Red    | XB5AA41N  | 180          |
|   | 1 NO        | Blank  | XB5AA01N  | 192          |
| Projecting  | 1 NC        | Red    | XB5AL42N  | 219          |
| Flush, marked "I/O"   | 1 NO + 1 NC | Green  | XB5AL845N | 1272         |
| Flush with silicon transparent boot                                 | 1 NO        | Green  | XB5AP31N  | 275          |

**Illuminated Pushbuttons**

| Description  | Contacts | Color  | Reference  | Unit MRP [₹] |
|--|----------|--------|------------|--------------|
| <b>Illuminated Pushbuttons plastic circular bezel - complete, Clear Lens</b> |          |        |            |              |
| Flush Integral LED<br>24V AC/DC  | 1 NO     | White  | XB5AW31B1N | 528          |
|  | 1 NO     | Green  | XB5AW33B1N | 528          |
|  | 1 NC     | Red    | XB5AW34B2N | 528          |
|  | 1 NO     | Yellow | XB5AW35B1N | 528          |
|  | 1 NO     | Amber  | XB5AW38B1N | 590          |
| Flush Integral LED<br>110V AC  | 1 NO     | Blue   | XB5AW36B1N | 1020         |
|  | 1 NO     | Green  | XB5AW33G1N | 642          |
|  | 1 NC     | Red    | XB5AW34G2N | 642          |
| Flush Integral LED<br>230V AC  | 1 NO     | White  | XB5AW31M1N | 601          |
|  | 1 NO     | Green  | XB5AW33M1N | 528          |
|  | 1 NC     | Red    | XB5AW34M2N | 528          |
|  | 1 NO     | Yellow | XB5AW35M1N | 528          |
|  | 1 NO     | Amber  | XB5AW38M1N | 590          |
|  | 1 NO     | Blue   | XB5AW36M1N | 1020         |

\* Clear type illuminated Push buttons are provided with striated lens.

**Pilot Lights**

| Description                                   | Supply Voltage V | Color      | Reference  | Unit MRP [₹] |
|---|------------------|------------|------------|--------------|
| <b>With smooth lens (except clear colour)</b> |                  |            |            |              |
| Direct Integral LED                           | 24V AC/DC        | White      | XB7EV01BPN | 293          |
|   |                  | Green      | XB7EV03BPN | 272          |
|   |                  | Red        | XB7EV04BPN | 272          |
|   |                  | Yellow     | XB7EV05BPN | 272          |
|   |                  | Amber      | XB7EV08BPN | 272          |
|   |                  | Blue       | XB7EV06BPN | 558          |
|   | 120V AC          | Green      | XB7EV03GPN | 272          |
|   |                  | Red        | XB7EV04GPN | 272          |
|   |                  | Amber      | XB7EV08GPN | 272          |
|   |                  | White      | XB7EV01MPN | 293          |
|   |                  | Green      | XB7EV03MPN | 272          |
|   |                  | Red        | XB7EV04MPN | 272          |
| 230V AC                                       | Yellow           | XB7EV05MPN | 272        |              |
|   | Amber            | XB7EV08MPN | 272        |              |
|   | Blue             | XB7EV06MPN | 558        |              |

\* Clear type pilot lights are provided with striated lens.

**Biometric Switches**

| Description   | Reference  | Unit MRP [₹] |
|---|------------|--------------|
| Bistable biometric switch, 24 V DC - PNP - by 2m cable        | XB5S1B2L2  | 40275        |
| Bistable biometric switch, 24 V DC - PNP - by M12 connector   | XB5S1B2M12 | 42491        |
| Monostable biometric switch, 24 V DC - PNP - by 2m cable      | XB5S2B2L2  | 40803        |
| Monostable biometric switch, 24 V DC - PNP - by M12 connector | XB5S2B2M12 | 42360        |

**Accessories**

| Description        | Reference | Unit MRP [₹] |
|--------------------|-----------|--------------|
| Diameter 22 mm nut | ZB5SZ71   | 444          |

**Selector Switch**

| Description                                       | Type                                       | Contacts | Color | Reference | Unit MRP [₹] |
|---|--|----------|-------|-----------|--------------|
| <b>Selector Switch-Complete( Non-Illuminated)</b> |  |          |       |           |              |
| Stanadard Handle                                  | 2 Position stay put                        | 1 NO     | Black | XB5AD21N  | 444          |
|   | 2 Position spring return, right to left    | 1 NO     | Black | XB5AD41N  | 705          |
|   | 3 Position stay put                        | 2 NO     | Black | XB5AD33N  | 484          |
|   | 3 Position spring return to center         | 2 NO     | Black | XB5AD53N  | 515          |
|   | 3 Position spring return, left to center   | 2 NO     | Black | XB5AD73N  | 601          |
|   | 3 Position spring return, right to center  | 2 NO     | Black | XB5AD83N  | 615          |
| Long Handle                                       | 2 Position stay put                        | 1 NO     | Black | XB5AJ21N  | 499          |
|   | 3 Postion stay put                         | 2 NO     | Black | XB5AJ33N  | 533          |
|   | 3 Spring return to center                  | 2 NO     | Black | XB5AJ53N  | 519          |
| Key Switch  | 2 Position stay put L- Key release         | 1 NO     | Black | XB5AG21N  | 679          |
|   | 2 Position stay put R-L Key release        | 1 NO     | Black | XB5AG41N  | 724          |
|   | 2 Position spring return, right to left, L | 1 NO     | Black | XB5AG61N  | 1286         |
|   | 3 Position stay put, All pos Key release   | 2 NO     | Black | XB5AG03N  | 576          |
|   | 3 Position stay put, Center Key release    | 2 NO     | Black | XB5AG33N  | 795          |
|   | 3 Position stay put, R-L Key release       | 2 NO     | Black | XB5AG53N  | 804          |

| Description                                 | Supply Voltage | Contacts  | Color  | Reference   | Unit MRP [₹] |
|---|----------------|-----------|--------|-------------|--------------|
| <b>Illuminated Selector Switch-Complete</b> |                |           |        |             |              |
| 2 Position Stay put                         | 24 VAC/ DC     | 1 NO      | White  | XB5AK121B1N | 976          |
|   |                | 1 NO      | Green  | XB5AK123B1N | 761          |
|   |                | 1 NC      | Red    | XB5AK124B2N | 761          |
|   |                | 1 NO      | Yellow | XB5AK125B1N | 761          |
| 2 Position Spring Return                    | 24 VAC/ DC     | 1 NO      | Green  | XB5AK143B1N | 1482         |
|   |                | 1 NO      | White  | XB5AK121M1N | 976          |
| 2 Position Stay put                         | 230V AC        | 1 NO      | Green  | XB5AK123M1N | 761          |
|   |                | 1 NC      | Red    | XB5AK124M2N | 761          |
|   |                | 1 NO      | Yellow | XB5AK125M1N | 845          |
| 2 Position Spring Return                    | 230V AC        | 1 NC      | Red    | XB5AK144M2N | 1943         |
|   |                | 2 NO      | Green  | XB5AK133B3N | 796          |
| 3 Position Stay put                         | 24 VAC/ DC     | 1 NO+1 NC | Red    | XB5AK134B5N | 885          |
|   |                | 2 NO      | White  | XB5AK151B3N | 963          |
| 3 Position Spring Return                    | 24 VAC/ DC     | 2 NO      | Green  | XB5AK153B3N | 797          |
|   |                | 1 NO+1 NC | Red    | XB5AK154B5N | 1292         |
|   |                | 2 NO      | Yellow | XB5AK155B3N | 1292         |
| 3 Position Stay put                         | 230 VAC        | 2 NO      | Green  | XB5AK133M3N | 796          |
|   |                | 1 NO+1 NC | Red    | XB5AK134M5N | 885          |
|   |                | 2 NO      | Yellow | XB5AK135M3N | 929          |
| 3 Position Spring Return                    | 230 VAC        | 2 NO      | White  | XB5AK151M3N | 866          |
|   |                | 2 NO      | Green  | XB5AK153M3N | 797          |
|   |                | 2 NO      | Yellow | XB5AK155M3N | 1292         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Mushhead Pushbutton

| Description  | Dia of Head | Type of Contact | Colour | Reference  | Unit MRP [₹] |
|--|-------------|-----------------|--------|------------|--------------|
| <b>Mushroom Head Pushbuttons</b>                         |             |                 |        |            |              |
| Spring return  | 40          | 1 NO            | Black  | XB5AC21N   | 373          |
|  |             | 1 NO            | Green  | XB5AC31N   | 349          |
|  |             | 1 NC            | Red    | XB5AC42N   | 349          |
|  | 60          | 1 NO            | Green  | XB5AR31N   | 485          |
| <b>Emergency Switching Off Mushroom Head push button</b> |             |                 |        |            |              |
| Turn to release  | 30          | 1 NC            | Red    | XB5AS442N  | 342          |
|  | 40          | 1 NC            | Red    | XB5AS542N  | 342          |
| Key release (n°155)                                      | 40          | 1 NC            | Red    | XB5AS142N  | 624          |
| Trigger action Turn to release                           | 40          | 1 NO+ 1 NC      | Red    | XB5AS8445N | 804          |
| Trigger action key to release                            | 40          | 1 NO+ 1 NC      | Red    | XB5AS9445N | 796          |

## Illuminated Pushbutton with yellow LED

| Description  | Supply Voltage | Type of Contact | Color     | Reference  | Unit MRP [₹] |
|--|----------------|-----------------|-----------|------------|--------------|
| <b>Double Headed Pushbuttons (Spring return)</b>                       |                |                 |           |            |              |
| 1 flush push (marked "I") 1 pilot light 1 projecting push (marked "O") | 24V AC/DC      | NO+NC           | Green+Red | XB5AW84B5N | 1261         |
|  | 230V AC        | NO+NC           | Green+Red | XB5AW84M5N | 1261         |
| <b>Illuminated Emergency Switching Off Pushbutton ( Mushroom head)</b> |                |                 |           |            |              |
| Turn to release  | 24V AC/DC      | NC              | Red       | XB5AW74B2N | 1086         |
|  | 230V AC        | NC              | Red       | XB5AW74M2N | 1155         |

## Accessories

| Description                                      | Marking on Yellow background | Color  | Reference | Unit MRP [₹] |
|--|------------------------------|--------|-----------|--------------|
| <b>Double Headed Pushbuttons (Spring return)</b> |                              |        |           |              |
| Circular Legends for Emergency stop function     | Emergency Stop               | Yellow | ZBY9330N  | 135          |

| Description   | Contact Type | Reference | Unit MRP [₹] |
|---|--------------|-----------|--------------|
| <b>Contact blocks with screw clamp terminal connections</b> |              |           |              |
| Single contact block  | 1 NO         | ZBE101N   | 106          |
| Single contact block  | 1 NC         | ZBE102N   | 106          |

| Description   | Reference | Unit MRP [₹] |
|---|-----------|--------------|
| <b>Contact blocks with screw clamp terminal connections</b> |           |              |
| Boot for cylindrical flush PB                               | ZBPAN     | 73           |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Flush mounting kit and harmony+



- Only addition to the BOM is a flush mounting kit
- Installation into a 30.50 mm hole
- New aesthetics for machine control panel using the same control devices as before
- Possibility to refurbish old machine with new style



| Description                             | Reference | Unit MRP [₹] |
|---|-----------|--------------|
| Metal flush mounting kit (PB and PL).   | ZB4BZ021  | 1157         |
| Metal flush mounting kit (SS and IPB).  | ZB4BZ022  | 1217         |
| Plastic flush mounting kit (PB and PL). | ZB5AZ021  | 1010         |

| Description   | Reference    | Unit MRP [₹] |
|---|--------------|--------------|
| HeadØ22+mountingbase+potentiometer4K7                             | XB4BD912R4K7 | On Request   |
| HeadØ22+mountingbase+potentiometer4K7                             | XB5AD912R4K7 | On Request   |
| 100...240VAC/DCPanelmountedØ22mmtimermonofunctionwith3s..60sdelay | XB5DTGM3     | On Request   |
| PanelmountedUSB3port-Ø22mm-forUSBinterfacejacktypeA               | XB5PUSB3     | On Request   |
| PanelmountedRJ45port-Ø22mm-forEthernetconnectionXB5PRJ45          | XB5PRJ45     | On Request   |
| RedemergencystopTTR40mm2NC1NOmoniXB5AS84449                       | XB5AS84449   | On Request   |
| RedilluestopTTR40mm2NC1NOmonit.ct                                 | XB5AS86449B4 | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Easy Harmony XB2

Just enough robust switch with added strength

Reliable, flexible and just enough



Easy Harmony XB2 Ø 22 mm metal modular push buttons and switches, are the basic products perfectly suited to meet majority of installation requirements, with metal features for added strength.

Designed for robust applications without compromising on ease of use, safety, flexibility and availability. Providing just enough and a little more.

### Target Segments

Consumer packaging, material working, textile machine, printing, hoisting, process control, lift and elevator.



## Ø 22 mm metal modular push buttons and switches

### Fit for purpose

- Designed to be used in numerous control and signaling applications
- Easy selection of the key functions for standard applications
- Diameter Ø 22 mm for standard OEM and panel-builder applications

### Robustness

- Metal bezels with metal fixing collars for impact endurance
- Excellent resistance to mechanical shocks and vibrations
- Metal screws for secure fix and grounding contact to the panel
- Conforming to CE, CCC and RoHS
- Tested and certified performance
- IP65
- Supports an operating temperature range from -25°C to +70°C

### Easiness

- Simple installation with screwdriver
- Flexibility with sub-assemblies for easy mix and match of functionalities
- Simple modular design facilitates post installation servicing, modification and adaptation of machines by non-specialists
- Anti-loosening system for screw clamp terminals of contact blocks

### Availability

- Supported by the service of Schneider Electric, a worldwide leader in automation and control
- Wide availability via an extensive distribution network

| Type of functions    | Contact functions   |   |   |  | Contact and signaling functions  | Signaling functions            |
|----------------------|---|---|---|--|--|--------------------------------|
| Type of products     | Pushbuttons   | Emergency switching off and emergency stop pushbuttons                      | Selector and key switches   | Special functions                        | Illuminated pushbuttons  | Pilot lights                   |
|                      |   |   |   |  |  |                                |
| Description of range | Pushbuttons, spring return: flush push, mushroom head, projecting or booted         | Emergency switching off and stop pushbuttons: turn to release and push-pull | Selector switches, 2- or 3-position standard or long handle or key switches | Joystick and buzzer                      | Illuminated pushbuttons with integral LED, spring return: flush push or projecting | Pilot lights with integral LED |
| Type references      | XB2BA..C/ BC..C/ BL..C/ BP..C/BR..C (Complete) ZB2BA.C/ BC.C/BL.C/ BPC/ BR.C (Head) | XB2BS...C/ BT.C (Complete) ZB2BS..C/ BTC (Head)                             | XB2BD..C/ BJ..C/ BG..C (Complete) ZB2BD.C/ BJ.C/ BG.C (Head)                | XD2PA.. CR (Joystick) XB2BS...C (Buzzer) | XB2BW3..1C (Complete) ZB2BW..C (Head)  | XA2EV..LC                      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Push Button** NEW

| Description                                   | Color  | Reference | Unit MRP [₹] |
|---|--------|-----------|--------------|
| <b>Spring Return Pushbutton Head</b>          |        |           |              |
| Flush unmarked                                | White  | ZB2BA1C   | 128          |
|   | Black  | ZB2BA2C   | 128          |
|   | Green  | ZB2BA3C   | 128          |
|   | Red    | ZB2BA4C   | 128          |
|   | Yellow | ZB2BA5C   | 128          |
|   | Blue   | ZB2BA6C   | 128          |
| 60 mm Mushroom Pushbutton Head, spring return | Red    | ZB2BR4C   | 488          |

**Emergency Stop PushButton**

| Description                      | Color | Reference | Unit MRP [₹] |
|----------------------------------|-------|-----------|--------------|
| <b>Mushroom Push button Head</b> |       |           |              |
| 40 mm Turn to release            | Red   | ZB2BT4C   | 515          |
| 30 mm Turn to release            | Red   | ZB2BS44C  | 257          |
| 40 mm Turn to release            | Red   | ZB2BS54C  | 257          |
| 60 mm Turn to release            | Red   | ZB2BS64C  | 515          |

**Illuminated Pushbutton**

| Description  | Color  | Reference | Unit MRP [₹] |
|--|--------|-----------|--------------|
| <b>Spring Return Illuminated Pushbutton Head with 1 NO contact</b> |        |           |              |
| Flush unmarked   | White  | ZB2BW31C  | 231          |
|  | Green  | ZB2BW33C  | 231          |
|  | Red    | ZB2BW34C  | 231          |
|  | Yellow | ZB2BW35C  | 231          |
|  | Blue   | ZB2BW36C  | 231          |
| <b>Illuminated Pushbutton Body</b>                                 |        |           |              |
| 24 V AC/DC with integral LED                                       | White  | ZB2BWB11C | 450          |
|  | Green  | ZB2BWB31C | 450          |
|  | Red    | ZB2BWB41C | 450          |
|  | Yellow | ZB2BWB51C | 450          |
|  | Blue   | ZB2BWB61C | 553          |
| 220V AC with integral LED  | White  | ZB2BWM11C | 450          |
|  | Green  | ZB2BWM31C | 450          |
|  | Red    | ZB2BWM41C | 450          |
|  | Yellow | ZB2BWM51C | 450          |
|  | Blue   | ZB2BWM61C | 553          |

**Selector Switch**

| Description                                      | Color | Reference | Unit MRP [₹] |
|--|-------|-----------|--------------|
| <b>Selector Switch Head with standard handle</b> |       |           |              |
| 2 Position stay put                              | Black | ZB2BD2C   | 282          |
| 2 Position spring return, right to left          | Black | ZB2BD4C   | 282          |
| 3 Position stay put                              | Black | ZB2BD3C   | 322          |
| 3 Position spring return to center               | Black | ZB2BD5C   | 322          |
| 3 Position spring return, left to center         | Black | ZB2BD7C   | 322          |
| <b>Selector Switch Head with Key Switch</b>      |       |           |              |
| 2 Position stay put                              | Black | ZB2BG2C   | 450          |
| 2 Position stay put                              | Black | ZB2BG4C   | 450          |
| 2 Position spring return, right to left          | Black | ZB2BG6C   | 450          |
| 3 Position stay put                              | Black | ZB2BG3C   | 515          |
| 3 Position spring return to center               | Black | ZB2BG5C   | 515          |
| 3 Position spring return, left to center         | Black | ZB2BG0C   | 515          |

**Body Assemblies**

| Description                               | Contact type | Reference | Unit MRP [₹] |
|---|--------------|-----------|--------------|
| <b>Body assemblies with contact block</b> |              |           |              |
|   | 1 NO         | ZB2BZ101C | 116          |
|   | 1 NC         | ZB2BZ102C | 116          |
|   | 2 NO         | ZB2BZ103C | 231          |
|   | 2 NC         | ZB2BZ104C | 231          |
|   | 1 NO + 1 NC  | ZB2BZ105C | 231          |
| <b>Contact block</b>                      |              |           |              |
|   | 1 NO         | ZB2BE101C | 103          |
|   | 1 NC         | ZB2BE102C | 103          |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Universal Light Blocks for LED Pilot light

| Descriptions                                | Supply Voltage | Colour | Reference | Unit MRP [₹] |
|---|----------------|--------|-----------|--------------|
| For XAL Metal Enclosures                    | 24V AC/DC      | White  | ZALVB1    | 740          |
|   | 220V AC        | White  | ZALVM1    | 2278         |
| For XB5/XB4 references without end with "N" | 24V AC/DC      | White  | ZBVB1     | 635          |
|   | 120V AC        | White  | ZBVG1     | 1417         |
|   | 220V AC        | White  | ZBVM1     | 1450         |

## XAL - Empty enclosures for XB5 and XB4 Push button and Pilot light

| Description                                 | No of Cut out | Color of Enclosure | Reference | Unit MRP [₹] |
|---|---------------|--------------------|-----------|--------------|
| For normal environment Light grey base IP65 | 1             | Dark grey          | XALD01    | 751          |
|   | 2             | Dark grey          | XALD02    | 931          |
|   | 3             | Dark grey          | XALD03    | 1155         |
|   | 4             | Dark grey          | XALD04    | 1579         |
|   | 5             | Dark grey          | XALD05    | 2060         |
| For normal environment Light Grey base IP54 | 1             | Yellow             | XALK01    | 863          |
|   | 2             | Light Grey         | XALE2     | 619          |
|   | 3             | Light Grey         | XALE3     | 755          |

## XAL – Empty enclosures for use with XB2 (ZB2\*)

| Description  | No of Cut out | Color of Enclosure | Reference | Unit MRP [₹] |
|--|---------------|--------------------|-----------|--------------|
| Plastic empty control station ( light grey cover )                           | 1             | Dark Grey base     | XALB01C   | On Request   |
| Plastic empty control station (for mounting XB2BS542C) - yellow cover        | 1             | Dark Grey base     | XALB01YC  |              |
| Plastic empty control station ( light grey cover )                           | 2             | Dark Grey base     | XALB02C   |              |
| Plastic empty control station ( light grey cover )                           | 3             | Dark Grey base     | XALB03C   |              |
| Plastic control station with 1 Emergency stop push button - ( yellow cover ) | 1             | Dark Grey base     | XALJ01C   |              |

## ZEN - Contact block for mounting on Metal plate at back of enclosure

| Description     | Contacts Type and Composition | Reference                                    | Unit MRP [₹] |
|-----------------|-------------------------------|--|--------------|
| Standard single | 1 NO                          | ZENL1111 <input checked="" type="checkbox"/> | 428          |
| Contact block   | 1 NC                          | ZENL1121 <input checked="" type="checkbox"/> |              |



## Buzzers from XB2 Series

| Description                     | Reference | Unit MRP [₹] |
|---------------------------------|-----------|--------------|
| Red illuminated buzzer DC/AC24V | XB2BSB4LC | On Request   |
| Red illuminated buzzer AC220V   | XB2BSM4LC |              |
| Buzzer 24V AC/DC                | XB2BSBC   |              |
| Buzzer 220V AC                  | XB2BSMC   |              |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## XVB-C Illuminated Lens Units

| Description                                      | Color  | Reference | Unit MRP [₹] |
|--|--------|-----------|--------------|
| Lens unit - steady light - 250 V 10 W            | Green  | XVBC33    | 3095         |
|  | Red    | XVBC34    | 3155         |
|  | Orange | XVBC35    | 3155         |
|  | Blue   | XVBC36    | 3095         |
|  | Clear  | XVBC37    | 3096         |
| Lens unit - flashing light - 24..48 V DC 24 V AC | Yellow | XVBC38    | 3095         |
|  | Red    | XVBC4B4   | 8400         |
| Lens unit - flashing light - 48..230 V AC        | Red    | XVBC4M4   | 8833         |
|  | Orange | XVBC4M5   | 8810         |
| Lens unit - steady light - 24 V AC DC            | Green  | XVBC2B3   | 6811         |
|  | Red    | XVBC2B4   | 6811         |
|  | Orange | XVBC2B5   | 6811         |
|  | Blue   | XVBC2B6   | 8785         |
|  | Clear  | XVBC2B7   | 8785         |
|  | Yellow | XVBC2B8   | 6805         |
|  | Green  | XVBC2G3   | 6675         |
| Lens unit - steady light - 120 V AC              | Red    | XVBC2G4   | 6680         |
|  | Orange | XVBC2G5   | 6943         |
|  | Blue   | XVBC2G6   | 8416         |
| Lens unit - steady light - 230 V AC              | Yellow | XVBC2G8   | 6977         |
|  | Green  | XVBC2M3   | 6680         |
|  | Red    | XVBC2M4   | 6680         |
|  | Orange | XVBC2M5   | 6680         |
|  | Blue   | XVBC2M6   | 9264         |
| Lens unit - flashing light - 24 V AC DC          | Yellow | XVBC2M8   | 7272         |
|  | Green  | XVBC5B3   | 12000        |
|  | Red    | XVBC5B4   | 11635        |
| Lens unit - flashing light - 24 V AC DC          | Orange | XVBC5B5   | 11753        |
|  | Blue   | XVBC5B6   | 14666        |
|  | Clear  | XVBC5B7   | 9657         |
|  | Yellow | XVBC5B8   | 11568        |
| Lens unit - flashing light - 230 V AC            | Red    | XVBC5M4   | 11531        |
|  | Blue   | XVBC5M6   | 14525        |

## XVB Units

| Description   | Reference | Unit MRP [₹] |
|---|-----------|--------------|
| <b>XVB Audible Signalling Unit</b>  |           |              |
| Sound unit - continuous or intermittent buzzer - 75..90 dB - 12..48 V AC DC   | XVBC9B    | 9493         |
| Sound unit - continuous or intermittent buzzer - 75..90 dB - 120..230 V AC    | XVBC9M    | 15958        |
| <b>XVB Base Unit + Cover</b>  |           |              |
| Base unit + cover for bank XVB - without flash discharge tube - black - IP 65 | XVBC21    | 4292         |
| <b>XVB Accessories</b>  |           |              |
| Set of coloured indicator pins - 6 colors - XVB                               | XVBC22    | 498          |
| Support tube + fixing base l=400 mm - aluminium black - XVB                   | XVBZ03    | 3574         |
| Support tube + fixing base l=80 mm - aluminium black - XVB                    | XVBZ02    | 2701         |
| Support tube + fixing base l=800 mm - aluminium black - XVB                   | XVBZ04    | 5320         |
| <b>XVB Incandescent Bulb</b>  |           |              |
| Clear incandescent bulb for signalling - BA 15d - 24 V 10 W                   | DL1BLB    | 381          |
| Clear incandescent bulb for signalling - BA 15d - 120 V 10 W                  | DL1BLG    | 650          |
| Clear incandescent bulb for signalling - BA 15d - 230 V 10 W                  | DL1BLM    | 414          |

## XVB LED BA 15d Base Fitting

| [Us] Rated Supply Voltage | Signalling Colour | Reference | Unit MRP [₹] |
|---------------------------|-------------------|-----------|--------------|
| 24 V AC/DC                | White             | DL1BDB1   | 5096         |
|                           | Green             | DL1BDB3   | 4076         |
|                           | Red               | DL1BDB4   | 4076         |
|                           | Blue              | DL1BDB6   | 4623         |
|                           | Yellow-Orange     | DL1BDB8   | 4790         |
|                           | White             | DL1BDG1   | 6138         |
| 120 V AC                  | Yellow-Orange     | DL1BDG8   | 5086         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



- Motor less + LED Flashing
- External Buzzer volume adjustor 70 DB to 90 DB
- Straight & Side wiring- more flexible

## XVR3 Multifunctional LED Beacon NEW

| Description   | Reference | Unit MRP [₹] |
|---|-----------|--------------|
| Multi-functional LED Beacon green witout buzzer DC/AC 12~24V  | XVR3B03   | 14591        |
| Multi-functional LED Beacon red witout buzzer DC/AC 12~24V    | XVR3B04   | 14616        |
| Multi-functional LED Beacon orange witout buzzer DC/AC 12~24V | XVR3B05   | 14368        |
| Multi-functional LED Beacon green witout buzzer AC 100~230V   | XVR3M03   | 14321        |
| Multi-functional LED Beacon red witout buzzer AC 100~230V     | XVR3M04   | 14104        |
| Multi-functional LED Beacon Orange witout buzzer AC 100~230V  | XVR3M05   | 14368        |
| Multi-functional LED Beacon red with buzzer DC/AC 12~24V      | XVR3B04S  | 28756        |
| Multi-functional LED Beacon orange with buzzer DC/AC 12~24V   | XVR3B05S  | 29602        |
| Multi-functional LED Beacon green with buzzer AC 100~230V     | XVR3M03S  | 15890        |
| Multi-functional LED Beacon red with buzzer AC 100~230V       | XVR3M04S  | 13185        |
| Multi-functional LED Beacon orange with buzzer AC 100~230V    | XVR3M05S  | 14154        |
| Multi-functional LED Beacon blue with buzzer AC 100~230V      | XVR3M06S  | 15595        |

## XVS Sirens

| Description                                     | Reference | Unit MRP [₹] |
|---|-----------|--------------|
| 2 tones siren - 106 dB - 12...24V AC/DC - white | XVS10BMW  | 26493        |
| 2 tones siren - 106 dB - 120V AC - white        | XVS10GMW  |              |
| 2 tones siren - 106 dB - 230V AC - white        | XVS10MMW  |              |

## DL1 Incandescent Bulb

| Description   | Light Block Colour | Reference | Unit MRP [₹] |
|---|--------------------|-----------|--------------|
| Clear incandescent bulb for signalling - ba 15d - 24 v 4 w  |                    | DL1BEBS   | 362          |
| Clear incandescent bulb for signalling - ba 15d - 120 v 7 w |                    | DL1BEG    | 383          |
| Clear incandescent bulb for signalling - ba 15d - 230 v 5 w |                    | DL1BEMS   | 393          |

## XVR Rotating Mirror Beacon

| Description  | Light Block Colour | Reference | Unit MRP [₹] |
|--|--------------------|-----------|--------------|
| Rotating mirror beacon w/o buzzer XVR - Ø 130 - 24 V AC DC | Red                | XVR13B04L | 16006        |
|  | Orange             | XVR13B05L | 15259        |
| Rotating mirror beacon w/o buzzer XVR - Ø 120 - 24 V AC DC | Blue               | XVR12B06  | 20710        |
| Rotating mirror beacon w/o buzzer XVR - Ø 130 - 120 V AC   | Red                | XVR13G04L | 18914        |
|  | Red                | XVR13M04L | 20131        |
| Rotating mirror beacon w/o buzzer XVR - Ø 130 - 230 V AC   | Red                | XVR13M04L | 20131        |
|  | Orange             | XVR13M05L | 18743        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## XVM Series

| Description                       | Reference | Unit MRP [₹] |
|-----------------------------------|-----------|--------------|
| Base and Cover                    | XVMC21    | 888          |
| Tube and Base                     | XVMC213T  | 1792         |
| Base with Buzzer 24V              | XVMC29B   | 2553         |
| Base with Buzzer 230V             | XVMC29M   | 2809         |
| Green Lens                        | XVMC33    | 987          |
| Red Lens                          | XVMC34    | 987          |
| Yellow Lens                       | XVMC35    | 987          |
| Blue Lens                         | XVMC36    | 987          |
| Clear Lens                        | XVMC37    | 987          |
| 100mm Aluminium Tube with Stand   | XVMZ02    | 817          |
| 100mm Aluminium Tube with Bracket | XVMZ02T   | 991          |
| 400mm Aluminium Tube with Stand   | XVMZ04    | 1770         |
| Incandescent Bulb 24 V            | DL1EDBS   | 260          |
| White Led Bulb 24 V               | DL2EDB1SB | 1294         |
| Green Led Bulb 24 V               | DL2EDB3SB | 1294         |
| Red Led Bulb 24 V                 | DL2EDB4SB | 1294         |
| Blue Led Bulb 24 V                | DL2EDB6SB | 1494         |
| Orange Led Bulb 24 V              | DL2EDB8SB | 1267         |

## XVM Series

| Description                 | Reference | Unit MRP [₹] |
|-----------------------------|-----------|--------------|
| Blue Flashing Led Bulb 24 V | DL2EKB6SB | 1870         |

### Breakdown of the reference for a complete indicator bank

|                  |                   | 4 units |   |  |  | 3 units |  |  |   | 2 units |  |   |  | 1 units |  |  |  |
|------------------|-------------------|---------|---|--|--|---------|--|--|---|---------|--|---|--|---------|--|--|--|
|                  |                   | XVM     |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
| Voltage          | AC/DC 24 V        | B       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
|                  | AC 110 V          | G       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
|                  | AC 230 V          | M       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
| Light source (2) | Incandescent bulb | 1       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
|                  | LED               | 2       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
| Illuminated      | Colour            | Red     | R |  |  | R       |  |  | R |         |  | R |  |         |  |  |  |
|                  |                   | Orange  | A |  |  | A       |  |  | A |         |  | A |  |         |  |  |  |
|                  |                   | Green   | G |  |  | G       |  |  | G |         |  | G |  |         |  |  |  |
|                  |                   | Blue    | B |  |  | B       |  |  | B |         |  | B |  |         |  |  |  |
|                  |                   | Clear   | C |  |  | C       |  |  | C |         |  | C |  |         |  |  |  |
| Signalling       | Steady            | (3)     |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
|                  | Flashing          | 5       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
|                  | "Flash"           | 6       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
| Buzzer           | Without           | (3)     |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |
|                  | With              | S       |   |  |  |         |  |  |   |         |  |   |  |         |  |  |  |

### Reference example

XVM B2R6AGS=indicator bank for 24V( AC/DC) supply, with LEDs with 1 red lens unit with "flash" discharge tube signalling, 2 lens units (1 orange and 1 green) with steady light signalling and with buzzer.



# Tower light vivid in all kinds of ambient

## Easy Harmony XVG Monolithic tower light

When Simple is just enough without compromise in quality.

### Intuitive clear lens design suitable in bright environment and long distance view

Clear lens design overcome colored lens dull and reflection in bright environment.

From far, can easily differentiate machine status by ON/OFF condition of tower light, even in bright and densed environment.

### Pre-wired and pre-assembled simplify selection, engineering and inventory management

Easy colored code wire with respect to function ease installation and maintenance work.

### Simple yet complete signaling applications

From single layer up to 4 layers. From steady to flashing light pattern. 5 types of mounting option. Wide voltage ranges options from 24V AC/DC, 220~240V AC. Answer most of the signaling applications.





## Offer overview

- Single layer to 4 layers. IP23 to IP53 depends on different mounting.
- Buzzer pressure level max 85dB @1m
- 5 type of mounting options
- Red flashing @ 1Hz on single layer, up to 4 colors (R/O/G/B) in steady pattern
- Long lasting LEDs, can operating more than 100K hours, low power consumption
- CE, CCC and EAC certification approval

| Voltage     | Colors | Light Pattern | Mounting Type   | Without Buzzer    | Buzzer                |
|-------------|--------|---------------|---|-------------------|-----------------------|
| 24V DC/AC   | Red    | Steady        | 100mm pole with L bracket<br>100mm pole with foldable bracket | XVGB1A<br>XVGB1MA | XVGB1SA<br>XVGB1SMA   |
|             |        | Flashing      | 100mm pole with L bracket<br>100mm pole with foldable bracket |                   | XVGB1SFA<br>XVGB1SMFA |
| 220~240V AC |        | Steady        | 100mm pole with L bracket<br>100mm pole with foldable bracket | XVGM1A<br>XVGM1MA | XVGM1SA<br>XVGM1SMA   |
|             |        | Flashing      | 100mm pole with L bracket<br>100mm pole with foldable bracket |                   | XVGM1SFA<br>XVGM1SMFA |



| Voltage     | Colors   | Light Pattern | Mounting Type   | Without Buzzer                                | Buzzer   |
|-------------|--|---------------|---|---|--|
| 24 V DC/AC  | 2 layers: Red/Green<br>3 layers: Red/Orange/Green<br>4 layers: Red/Orange/Green/Blue | Steady        | Base Mount<br>Direct Alu tube<br>Alu tube and L-bracket<br>Alu tube and fixing plate<br>Alu tube and foldable bracket | XVGB*W<br>XVGB*T<br>XVGB*<br>XVGB*H<br>XVGB*M | XVGB*SW<br>XVGB*ST<br>XVGB*S<br>XVGB*SH<br>XVGB*SM |
| 220~240V AC | 2 layers: Red/Green<br>3 layers: Red/Orange/Green                                    | Steady        | Base Mount<br>Direct Alu tube<br>Alu tube and L-bracket<br>Alu tube and fixing plate<br>Alu tube and foldable bracket | XVGM+W<br>XVGM+T<br>XVGM+<br>XVGM+H<br>XVGM+M | XVGM+SW<br>XVGM+ST<br>XVGM+S<br>XVGM+SH<br>XVGM+SM |



ø Replace \* with 2 to 4 represent 2 to 4 layers for DC models  
ø Replace + with 2 to 3 represent 2 to 3 layers for AC models



Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Tower light, Ø 60 mm, Pre-assembled, PreCabled, Monoethic, Economical Version,  
XVGB-Series with LED for steady light - 24VDC**

| Description   | References | Unit MRP<br>[₹] |
|---|------------|-----------------|
| <b>With aluminium tube mounting and L-bracket</b>   |            |                 |
| <b>Without Buzzer</b>   |            |                 |
| 2-Stage Red, Green  | XVGB2      | 3609            |
| 3-Stage Red, Amber, Green   | XVGB3      | 4089            |
| 4-Stage Red, Amber, Green, Blue   | XVGB4      | 5252            |
| <b>With Buzzer</b>  |            |                 |
| 2-Stage Red, Green  | XVGB2S     | 4098            |
| 3-Stage Red, Amber, Green   | XVGB3S     | 4648            |
| 4-Stage Red, Amber, Green, Blue   | XVGB4S     | 4949            |
| With direct aluminium tube mounting   |            |                 |
| <b>Without Buzzer</b>   |            |                 |
| 2-Stage Red, Green  | XVGB2T     | 3719            |
| 3-Stage Red, Amber, Green   | XVGB3T     | 4521            |
| <b>With Buzzer</b>  |            |                 |
| 3-Stage Red, Amber, Green   | XVGB3ST    | 4680            |
| <b>Without Buzzer</b>   |            |                 |
| 2-Stage Red, Green  | XVGB2H     | 3609            |
| 3-Stage Red, Amber, Green   | XVGB3H     | 4132            |
| 4-Stage Red, Amber, Green, Blue   | XVGB4H     | 5418            |
| <b>With Buzzer</b>  |            |                 |
| 2-Stage Red, Green  | XVGB2SH    | 4412            |
| 3-Stage Red, Amber, Green   | XVGB3SH    | 4756            |
| 4-Stage Red, Amber, Green, Blue   | XVGB4SH    | 5927            |
| <b>With aluminium tube mounting and foldable bracket</b>  |            |                 |
| <b>Without Buzzer</b>   |            |                 |
| 2-Stage Red, Green  | XVGB2M     | 4137            |
| 3-Stage Red, Amber, Green   | XVGB3M     | 4523            |
| <b>With Buzzer</b>  |            |                 |
| 2-Stage Red, Green  | XVGB2SM    | 4486            |
| 3-Stage Red, Amber, Green   | XVGB3SM    | 4912            |
| 4-Stage Red, Amber, Green, Blue   | XVGB4SM    | 4953            |
| <b>With base mounting - Direct</b>  |            |                 |
| <b>Without Buzzer</b>   |            |                 |
| 2-Stage Red, Green  | XVGB2W     | 3392            |
| 3-Stage Red, Amber, Green   | XVGB3W     | 3991            |
| <b>With Buzzer</b>  |            |                 |
| 2-Stage Red, Green  | XVGB2SW    | 3969            |
| 3-Stage Red, Amber, Green   | XVGB3SW    | 4489            |
| 4-Stage Red, Amber, Green, Blue   | XVGB4SW    | 5364            |
| <b>XVG-USB Based Towerlights</b>  |            |                 |
| Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 Direct base mounting                | XVGU3SWV   | 9219            |
| Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 With 100 mm aluminium tube mounting | XVGU3SHAV  | 10554           |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Tower light, Ø 60 mm, Pre-assembled , PreCabled , Monoethic , Economical Version , XVGM-Series with LED for steady light - 220..240 VAC

| Description  | References | Unit MRP [₹] |
|--|------------|--------------|
| <b>With aluminium tube mounting and L-bracket</b>        |            |              |
| <b>Without Buzzer</b>                                    |            |              |
| 2-Stage Red, Green                                       | XVGM2      | 3815         |
| 3-Stage Red, Amber, Green                                | XVGM3      | 4317         |
| <b>With Buzzer</b>                                       |            |              |
| 2-Stage Red, Green                                       | XVGM2S     | 4330         |
| 3-Stage Red, Amber, Green                                | XVGM3S     | 4912         |
| <b>With direct aluminium tube mounting</b>               |            |              |
| <b>Without Buzzer</b>                                    |            |              |
| 2-Stage Red, Green                                       | XVGM2T     | 3931         |
| 3-Stage Red, Amber, Green                                | XVGM3T     | 4783         |
| <b>With Buzzer</b>                                       |            |              |
| 2-Stage Red, Green                                       | XVGM2ST    | 4818         |
| 3-Stage Red, Amber, Green                                | XVGM3ST    | 4946         |
| <b>With aluminium tube mounting and fixing plate</b>     |            |              |
| <b>Without Buzzer</b>                                    |            |              |
| 2-Stage Red, Green                                       | XVGM2H     | 3815         |
| 3-Stage Red, Amber, Green                                | XVGM3H     | 4363         |
| <b>With Buzzer</b>                                       |            |              |
| 2-Stage Red, Green                                       | XVGM2SH    | 4666         |
| 3-Stage Red, Amber, Green                                | XVGM3SH    | 5028         |
| <b>With aluminium tube mounting and foldable bracket</b> |            |              |
| <b>Without Buzzer</b>                                    |            |              |
| 2-Stage Red, Green                                       | XVGM2M     | 4374         |
| 3-Stage Red, Amber, Green                                | XVGM3M     | 4783         |
| <b>With Buzzer</b>                                       |            |              |
| 2-Stage Red, Green                                       | XVGM2SM    | 4736         |
| 3-Stage Red, Amber, Green                                | XVGM3SM    | 5191         |
| <b>With Buzzer LED Flashing light</b>                    |            |              |
| 1-Stage Red  | XVGM1SMFA  | 4363         |
| <b>With base mounting - Direct</b>                       |            |              |
| <b>Without Buzzer</b>                                    |            |              |
| 2-Stage Red, Green                                       | XVGM2W     | 3527         |
| 3-Stage Red, Amber, Green                                | XVGM3W     | 4200         |
| <b>With Buzzer</b>                                       |            |              |
| 2-Stage Red, Green                                       | XVGM2SW    | 4200         |
| 3-Stage Red, Amber, Green                                | XVGM3SW    | 4748         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023





- One-hand operation
- Wireless e-stop compliant with sil3
- 30H runtime, 15min to recharge
- Instant alarm notification by vibration
- 2.4Ghz frequency up to 50 systems at the same time

### Radio Remote Control

| Description                                | References     | Unit MRP<br>[₹] |
|--|----------------|-----------------|
| ZART8L + ZARB12W                           | XARS8L12W      | On Request      |
| ZART8L + ZARB12H                           | ZART8L+ZARB12H | On Request      |
| ZART8D + ZARB18W                           | XARS8D18W      | On Request      |
| ZART12D + ZARB18W                          | XARS12D18W     | On Request      |
| Starter kit = XARS8L12W + ZARC01 + ZARC02  | XARSK8L12W     | On Request      |
| Starter kit = XARS12D18W + ZARC01 + ZARC02 | XARSK12D18W    | On Request      |
| Starter kit = XARS12D18H + ZARC01 + ZARC02 | XARSK12D18H    | On Request      |
| Basic features – 8 pushbuttons - LEDs      | ZART8L         | On Request      |
| Basic features – 8 pushbuttons - Display   | ZART8D         | On Request      |
| Extended features – 12 pushbuttons         | ZART12D        | On Request      |
| 12 outputs wired connection – cable gland  | ZARB12W        | On Request      |
| 18 outputs wired connection – cable gland  | ZARB18W        | On Request      |
| Charger                                    | ZARC01         | On Request      |
| Shoulder belt                              | ZARC02         | On Request      |
| External antenna                           | ZARC03         | On Request      |
| Holder                                     | ZARC04         | On Request      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Wireless Remote-Control system - Harmony Pocket Remote (Transmitter, Receiver & Accessories)

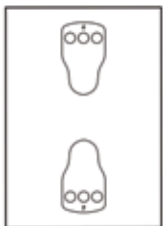
### Transmitter

| Description                 | References | Unit MRP [₹] |
|-----------------------------|------------|--------------|
| 3 Single Step Push Buttons  | ZART03     | On Request   |
| 4 Single Step Push Buttons  | ZART04     | On Request   |
| 6 Single Step Push Buttons  | ZART06     | On Request   |
| 8 Single Step Push Buttons  | ZART08     | On Request   |
| 10 Single Step Push Buttons | ZART10     | On Request   |



### Receiver

| Description   | References | Unit MRP [₹] |
|---|------------|--------------|
| 5 relays small size receiver pre-wired with 1.5 m of cable  | ZARB05WSP  | On Request   |
| 11 relays small size receiver pre-wired with 1.5 m of cable | ZARB11WSP  | On Request   |



### Accessories

| Description  | References | Unit MRP [₹] |
|--|------------|--------------|
| DIY adhesive label kit for remote transmitter, 66 x 114 mm/2.60 x 4.49 in. for use with ZART03                                 | ZARC603    | On Request   |
| DIY adhesive label kit for remote transmitter, 66 x 114 mm/2.60 x 4.49 in. for use with ZART04                                 | ZARC604    | On Request   |
| DIY adhesive label kit for remote transmitter, 66 x 114 mm/2.60 x 4.49 in. for use with ZART06                                 | ZARC606    | On Request   |
| DIY adhesive label kit for remote transmitter, 66 x 114 mm/2.60 x 4.49 in. for use with ZART08                                 | ZARC608    | On Request   |
| DIY adhesive label kit for remote transmitter, 66 x 114 mm/2.60 x 4.49 in. for use with ZART10                                 | ZARC610    | On Request   |
| DIY adhesive label kit for remote transmitter, 66 x 114 mm/2.60 x 4.49 in. for use with ZART03, ZART04, ZART06, ZART08, ZART10 | ZARC620    | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**XAC-A Type**

For Control Circuits

- Complete Stations IP657
- Double Insulated
- "Small Hoist" applications

| Control station composition    | Mechanical interlocking                       | Contact composition    | Reference | Unit MRP<br>[₹] |
|--------------------------------|---|------------------------|-----------|-----------------|
| <b>For Single Hoist Motors</b> |   |                        |           |                 |
| 2 pushbuttons                  | With mechanical interlocking                  | 1 NO                   | XACA201   | 5709            |
|                                |   | 1 NC + 1 NO            | XACA205   | 6018            |
| 2 booted pushbuttons           | With mechanical interlocking                  | 1 NO                   | XACA211   | 5765            |
|                                |   | 1 NC + 1 NO            | XACA215   | 6569            |
| <b>For Single-Speed Motors</b> |   |                        |           |                 |
| 2 pushbuttons                  | With mechanical interlocking                  | 1 NO                   | XACA271   | 5855            |
|                                |   | 1 NC + 1 NO            | XACA281   | 6591            |
| 4 pushbuttons                  | With mechanical interlocking<br>Between pairs | 1 NO                   | XACA471   | 7464            |
|                                |   | 1 NC + 1 NO            | XACA481   | 8475            |
| 6 pushbuttons                  | With mechanical interlocking<br>Between pairs | 1 NO                   | XACA671   | 8724            |
|                                |   | 1 NC + 1 NO            | XACA681   | 10771           |
| 8 pushbuttons                  | With mechanical interlocking<br>Between pairs | 1 NO (for 7 operators) | XACA871   | 10219           |
|                                |   | 1 NO (for 8 operators) | XACA881   | 12780           |

**Joystick Controllers**

| Description   | Legend plate<br>without text | Legend plate<br>Price | Reference | Unit MRP<br>[₹] |
|---|------------------------------|-----------------------|-----------|-----------------|
| XD2-P (One Step in Each Position) Dia. 22mm               |                              |                       |           |                 |
| 2-Direction Stay-Put                                      | ZD2-GY2201                   | 103                   | XD2PA12   | 6507            |
| 2-Direction Spring Return to Zero                         |                              |                       | XD2PA22   | 6024            |
| 4-Direction Stay-Put                                      | ZD2-GY4201                   | 123                   | XD2PA14   | 7442            |
| 4-Direction Spring Return to Zero                         |                              |                       | XD2PA24   | 7560            |
| XD2-G (Two steps in each position) Dia. 22mm              |                              |                       |           |                 |
| 2 - Direction (2 notches with spring return to zero)      | ZD2-GY5201                   | 139                   | XD2GA8241 | 14445           |
| 4-Direction spring (2 notches with spring return to zero) | ZD2-GY6201                   | 146                   | XD2GA8441 | 19057           |

**Foot Switch**

| Contacts Type and Composition   | Reference | Unit MRP<br>[₹] |
|---------------------------------|-----------|-----------------|
| Insulated Enclosure 1 NC + 1 NO | XPEA110   | 6016            |

Please contact Customer Care Center for Stockable and Non stockable status of references.

 NORMAL STOCK ITEMS
W.E.F. January 30<sup>th</sup>, 2023



## Upgrade to Harmony XAPD/K for a modern and optimal design



### Better integration in machines and modern aesthetic

New XAPD color follows the industrial standard for enclosures and machines (RAL7035).

### Allow any type of XB4/XB5 functions, including E-stops with legend plate

Increase legend holders usage (our 2 sizes can be used in both vertical and horizontal direction). Our new flush XB4F/XB5F are also compatible. No change on external dimensions.

### Easy to select range with rationalized number of references

Substitution table available on this document.

[se.com/in](https://se.com/in)

## Discontinued

## Available



XAPD\*6\* + ZB4FBZ014



### 1. Optimized features and performances



XAPM\* = Pg  
XAPM\*H29 = ISO metric



XAPD\* = ISO metric



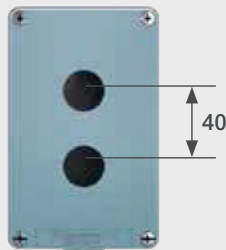
XAPG = Pg & 3/4 NPT



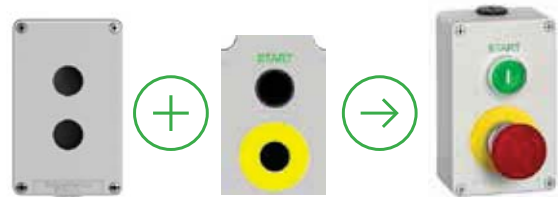
XAPG\* = 3/4 NPT



### 2. Compatible with our complete offer of products and accessories



### 3. Friendly customization with configurable legend panels



Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Substitution table

| Existing references   | Substitution |
|---|--------------|
| XAPJ11<br>XAPJ11H29   | XAPK11       |
| XAPJ1201<br>XAPJ1201H29   | XAPK1201     |
| XAPJ14<br>XAPJ14H29   | XAPK14       |
| XAPJ1501<br>XAPJ1501H29   | XAPK1501     |
| XAPM11<br>XAPM11H29   | XAPD11       |
| XAPM1201<br>XAPM1201H2<br>XAPM1201H29<br>XAPM1201H6<br>XAPM1201H7 | XAPD1201     |
| XAPM1202<br>XAPM1202H2<br>XAPM1202H29                             | XAPD1202     |
| XAPM14<br>XAPM14H2<br>XAPM14H29                                   | XAPD14       |
| XAPM1501<br>XAPM1501H2<br>XAPM1501H29                             | XAPD1501     |
| XAPM1502<br>XAPM1502H2<br>XAPM1502H29                             | XAPD1502     |
| XAPM1601<br>XAPM1601H2<br>XAPM1601H29                             | XAPD1601     |
| XAPM21<br>XAPM21H29   | XAPD21       |
| XAPM2202<br>XAPM2202H2<br>XAPM2202H29                             | XAPD2202     |
| XAPM2203<br>XAPM2203H2<br>XAPM2203H29                             | XAPD2203     |
| XAPM2204<br>XAPM2204H2<br>XAPM2204H29                             | XAPD2204     |

| Existing references                                 | Substitution |
|---|--------------|
| XAPM24<br>XAPM24H29                                 | XAPD24       |
| XAPM2502<br>XAPM2502H2<br>XAPM2502H29               | XAPD2502     |
| XAPM2503<br>XAPM2503H2<br>XAPM2503H29               | XAPD2503     |
| XAPM2504<br>XAPM2504H29                             | XAPD2504     |
| XAPM2602<br>XAPM2602H2<br>XAPM2602H29               | XAPD2602     |
| XAPM31<br>XAPM31H29                                 | XAPD31       |
| XAPM3203<br>XAPM3203H2<br>XAPM3203H29<br>XAPM3203H6 | XAPD3203     |
| XAPM3204<br>XAPM3204H2<br>XAPM3204H29<br>XAPM3204H6 | XAPD3204     |
| XAPM3206<br>XAPM3206H2<br>XAPM3206H29               | XAPD3206     |
| XAPM34<br>XAPM34H2<br>XAPM34H29                     | XAPD34       |
| XAPM3503<br>XAPM3503H2<br>XAPM3503H29               | XAPD3503     |
| XAPM3504<br>XAPM3504H2<br>XAPM3504H29               | XAPD3504     |
| XAPM3506<br>XAPM3506H2<br>XAPM3506H29               | XAPD3506     |
| XAPM3603<br>XAPM3603H2<br>XAPM3603H29               | XAPD3603     |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Substitution table

| Existing references                   | Substitution |
|---------------------------------------|--------------|
| XAPM44<br>XAPM44H2<br>XAPM44H29       | XAPD44       |
| XAPM4504<br>XAPM4504H2                | XAPD4504     |
| XAPM4505                              | XAPD4505     |
| XAPM4506<br>XAPM4506H2<br>XAPM4506H29 | XAPD4506     |
| XAPM4508<br>XAPM4508H2<br>XAPM4508H29 | XAPD4508     |
| XAPM4604<br>XAPM4604H2<br>XAPM4604H29 | XAPD4604     |
| XAPM54<br>XAPM54H29                   | XAPD54       |
| XAPM5508<br>XAPM5508H29               | XAPD5508     |
| XAPM5512                              | XAPD5510     |
| XAPM5512H29                           | XAPD5512     |
| XAPM5606<br>XAPM5606H29               | XAPD5606     |
| XAPH1201<br>XAPH1201H29               | XAPK1201     |
| XAPH1501                              | XAPK1501     |
| XAPH1601                              | XAPK1601     |

| Existing references | Substitution |
|---------------------|--------------|
| XAPG11              | XAPD11       |
| XAPG1201            | XAPD1201     |
| XAPG1202            | XAPD1202     |
| XAPG14              | XAPD14       |
| XAPG1501            | XAPD1501     |
| XAPG1502            | XAPD1502     |
| XAPG1601            | XAPD1601     |
| XAPG2202            | XAPD2202     |
| XAPG2203            | XAPD2203     |
| XAPG24              | XAPD24       |
| XAPG2502            | XAPD2502     |
| XAPG2504            | XAPD2504     |
| XAPG31              | XAPD31       |
| XAPG3203            | XAPD3203     |
| XAPG34              | XAPD34       |
| XAPG3503            | XAPD3503     |
| XAPG3504            | XAPD3504     |
| XAPG3506            | XAPD3506     |
| XAPG3603            | XAPD3603     |
| XAPG3802            | XAPD2602     |
| XAPG44              | XAPD44       |
| XAPG4506            | XAPD4506     |
| XAPG4508            | XAPD4508     |
| XAPG4604            | XAPD4604     |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Factory Automation Sensors







## Miniature photoelectric sensors: Simply spot on!

Regardless of the detection target or the production line speed, New XUM is the solution.

Telemecanique Sensors, known for robust and reliable sensors since 1924, introduces a new generation of photoelectric sensors. This range completes the large Telemecanique Sensors portfolio and provides an optimum offer for photoelectric sensor applications.



### Features and Benefits

#### Top level quality & performance

- Precise light spot of approximately 5mm with no halo around the spot.
- Highly immune to bright environments, detecting even in 40k lux sunlight and 10klux incandescent lamp light.
- Fast detection with a switching frequency at 1KHz and a response time at 0.5ms.

#### Simple integration

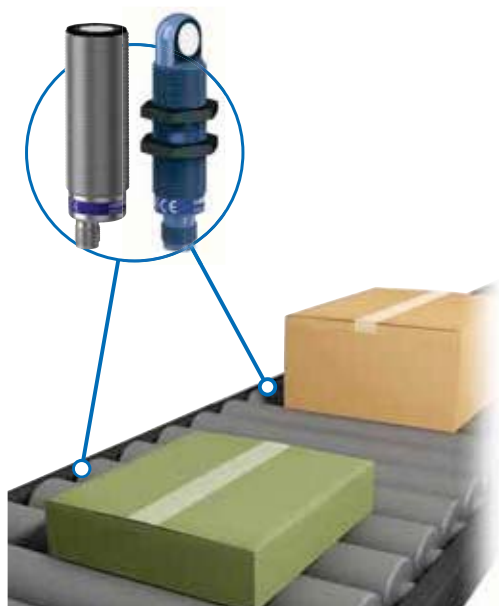
- 2 potentiometers to easily configure the sensing distance and output functions
- Miniature size (20mm x 34mm x 11mm) for installation in limited spaces
- Robust PBT Valox plastic housing

#### Easy product selection

- 35% less product references compared to the market simplifies sensor selection and reduces stock management costs

## XX Ultrasonic Sensors for mobile equipment, material handling & Conveying.

Groundbreaking software-configurable ultrasonic sensors to detect virtually any object.



### Features and Benefits

#### Standard format

- M18 & M30 cylindrical: straight & 90° angled (select models)
- M12, 5-pin connector
- Available in plastic, Nickel-plated brass & SS316L

#### High performance

- High tilt angle of +/- 35° or more at 50% sensing distance for detecting objects with irregular positioning
- Detect Ø1mm cylinders up to 600mm
- Synchronization of up to 8 sensors and multiplexing features for improved flexibility

#### Easy configuration using the XX Configuration Kit or XXZPB100 remote accessory for 1, 2, & 4m; (8m version features integrated pushbutton)

- Analog output function: Select between Direct or Inverse
- Digital output: Select between NO/NC and Window / Reflex / Proximity / Pump modes
- Easy live monitoring and troubleshooting available when using XX Configuration Kit



OsiSense™ XCKW, welcome to the wireless era

## New wireless and battery-less OsiSense™ XCKW limit switch



Our new wireless OsiSense™ XCKW limit switch is a breakthrough device serving a vast number of applications.

### Wireless

Simplify machine communication where cabling is difficult, expensive, or unwanted. It's also the perfect way to give mobile machines more freedom of movement.

### Easy to install

To further simplify the installation process, the device comes in a plug & play kit, and is also offered in out-of-the-box compatible packs comprising an OsiSense XCKW limit switch and a receiver.

### Proven design and robustness

OsiSense XCKW has been designed with simplicity in mind. It uses a head that is 100% compatible with XCKS and XCKM limit switches to make update to wireless seamless. Like our standard range of limit switches, we guarantee robustness of our products. The new OsiSense XCKW also benefits from an excellent waterproofness thanks to a complete sealed body.

W.E.F. January 30<sup>th</sup>, 2023



**Optical Sensors**

- XUB M18 Body
- 100mA (with overload and short circuit protection)

| Principle of operation | Sensing Distance | Output | Reference   | Unit MRP [₹]         |
|------------------------|------------------|--------|---|----------------------|
| Diffuse                | 0.6 m            | PNP NO | XUB5APANM12 <input checked="" type="checkbox"/>         | 4691                 |
|                        |                  | PNP NO | XUB5BPANM12 (Metal) <input checked="" type="checkbox"/> | 6217                 |
|                        |                  | PNP NO | XUB5APANL2 <input checked="" type="checkbox"/>          | 4658                 |
|                        |                  | PNP NO | XUB5BPANL2 <input checked="" type="checkbox"/>          | 5567                 |
| Polarised reflex       | 2m               | PNP NO | XUB9APANM12 <input checked="" type="checkbox"/>         | 4941                 |
|                        |                  | PNP NO | XUB9BPANM12   | 6128                 |
|                        |                  | PNP NO | XUB9APANL2  | 4681                 |
| Fixed Diffuse          | 100 mm           | PNP NO | XUB4APANL2  | 4515                 |
|                        |                  |        | XUB4APANM12   | 4515                 |
|                        |                  |        | XUB4BPANM12 (Metal)                                     | 5614                 |
| Reflex                 | 4 m              | PNP NO | XUB1APANL2 (Without Reflector)*                         | 4515                 |
|                        |                  |        | XUB1APANM12   | 4515                 |
|                        |                  | PNP NC | XUB1BPANM12 (Metal)                                     | 5173                 |
|                        |                  |        | XUB1APBNL2 (Without Reflector)*                         | 4515                 |
| Receiver Thru Beam     | 15 m             | PNP NO | XUB2APANL2R   | 4002                 |
|                        |                  |        | XUB2AKSNL2T   | 4005                 |
|                        |                  |        | XUB2AKSNM12T  | 2724                 |
|                        |                  |        | PNP NC  | XUB2BKSNM12T (Metal) |
| Receiver Thru Beam     | 15m              | PNP NO | XUB2APANM12R  | 4002                 |
| Receiver Thru Beam     |                  |        | XUB2BPANM12R (Metal)                                    | 5385                 |
| Transmitter Thru Beam  |                  |        | XUB2AKSNL2T   | 4005                 |

**Note :**

1. L2 stands for sensors with 2m cable
4. M12 stand for universal connectors.

| Principle of operation | Sensing range | Connection | Reference           | Unit MRP [₹] |
|------------------------|---------------|------------|---------------------|--------------|
| <b>Cylindrical M18</b> |               |            |                     |              |
| Multi Mode             | > 0...20 m    | Cable 2 m  | XUB0APSNL2          | 8891         |
| Multi Mode             | > 0...20 m    | Connector  | XUB0APSNM12         | 9139         |
| Multi Mode             | > 0...20 m    | Connector  | XUB0BPSNM12 (Metal) | 9297         |

| Principle of operation    | Sensing Distance | Output           | Reference    | Unit MRP [₹] |
|---------------------------|------------------|------------------|--------------|--------------|
| <b>Compact 50 x 50 mm</b> |                  |                  |              |              |
| Reflex                    | 7 m              | AC/DC 1C/O Relay | XUK1ARCNL2   | 8713         |
| Diffuse                   | 1 m              | AC/DC 1C/O Relay | XUK5ARCNL2   | 8713         |
| Reflex polarized          | 5 m              | AC/DC 1C/O Relay | XUK9ARCNL2   | 8566         |
| Multimode                 | 30 m             | pnp/npn no/nc    | XUK0AKSAL2   | 11707        |
| Multimode                 | 30 m             | AC/DC 1C/O Relay | XUK0ARCTL2   | 13442        |
| <b>Compact 92 x 71 mm</b> |                  |                  |              |              |
| Diffuse                   | 2.1 m            | AC/DC 1C/O relay | XUX5ARCNT16  | 10724        |
| Reflex Polarized          | 11 m             | AC/DC 1C/O relay | XUX9ARCNT16  | 11865        |
| Reflex                    | 14 m             | AC/DC 1C/O relay | XUX1ARCNT16  | 9611         |
| Thru beam transmitter     |                  | AC/DC            | XUX0ARCTT16T | 9262         |
| Multimode                 | 1.3 m...40 m     | PNP/NPN NO/NC    | XUX0AKSAT16  | 17675        |
| Multimode                 | 1.3 m...40 m     | AC/DC 1C/O relay | XUX0ARCTT16  | 18598        |

\*Reflector to be ordered separately.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**XUK Colour Sensors**



- Supply Voltage 10..30 VDC
- Teach Button Sensitivity Adjustment
- 3 Wire
- IP 65

| Principle of operation  | Sensing Distance | Output    | Reference   | Unit MRP [₹] |
|-------------------------|------------------|-----------|-------------|--------------|
| Multi Mode              | > 0...10 m       | Cable 2 m | XUM0APSAL2  | 9600         |
| Principle of operation  | Sensing Distance | Output    | Reference   | Unit MRP [₹] |
| Diffuse contrast sensor | 19 mm            | PNP NO    | XUKR1PSMM12 | 19837        |

**Fixing Bracket**

| Description | Reference | Unit MRP [₹] |
|-------------|-----------|--------------|
| For XUB     | XUZA118   | 1050         |
| For XUK     | XUZA51    | 958          |

**Reflector (mm)**

| Description | Reference                                   | Unit MRP [₹] |
|-------------|---|--------------|
| 24 x 21     | XUZC24                                      | 1330         |
| 50 x 50     | XUZC50 <input checked="" type="checkbox"/>  | 1364         |
| 80 (dia)    | XUZC80 <input checked="" type="checkbox"/>  | 2000         |
| 100 x 100   | XUZC100 <input checked="" type="checkbox"/> | 1936         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

OsiSense XU



| SN [mm]            | Light Mode | Output   | Connection   | Reference     | Unit MRP [₹] |
|--------------------|------------|----------|--------------|---------------|--------------|
| <b>Fork Sensor</b> |            |          |              |               |              |
| 30mm               | Red LED    | PNP,[NO] | 2m Cable     | XUVR0303PANL2 | 8856         |
| 50mm               | Red LED    | PNP,[NO] | M8 Connector | XUVR0605PANM8 | 10804        |

Fiber Design Amplifier



- 3 Wire DC, Teach Mode

|                    |   |                        |          |  |            |
|--------------------|---|------------------------|----------|--|------------|
| Depending on fiber | - | PNP NO/NC programmable | 2M Cable | XUDA2PSML2 <input checked="" type="checkbox"/> | On Request |
|--------------------|---|------------------------|----------|--|------------|

XU.8 Background Suppresion

| SN [m] | Body Type     | Output                     | Connection    | Reference                                       | Unit MRP [₹] |
|--------|---------------|----------------------------|---------------|---|--------------|
| 1m     | Compact 50x50 | PNP/NPN,NO/NC programmable | 2m Cable      | XUK8AKSNL2                                      | 9755         |
| 1m     | Compact 50x50 | PNP/NPN,NO/NC programmable | M12 Connector | XUK8AKSNM12 <input checked="" type="checkbox"/> | 10892        |
| 0.3m   | Miniature     | PNP NO/NC programmable     | 2m Cable      | XUM8APCNL2                                      | 6571         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Electromechanical Pressure Switches**



| Description  | Pressure Range | Reference  | Unit MRP [₹] |
|--|----------------|--|--------------|
| Electromechanical pressure switches for control circuit  |                |  |              |
| <ul style="list-style-type: none"> <li>• Suitable for air, fresh water, sea water</li> <li>• Adjustable differential</li> <li>• 1 C/O single pole contact</li> <li>• G 1/4 (BSP female) fluid connection</li> <li>• Mechanical durability - 1 x 10<sup>6</sup> operating cycles</li> </ul> |                |  |              |
| Setting screw external   | 1-6 bar        | XMAV06L2135                                      | 5184         |
| Adjustable range of rising pressure  | 1.3-12 bar     | XMAV12L2135                                      | 4428         |
|  | 3.5-25 bar     | XMAV25L2135                                      | 5455         |
| Electromechanical pressure switches for power circuits   |                |  |              |
| <ul style="list-style-type: none"> <li>• Suitable for fresh water &amp; sea water</li> <li>• Adjustable differential</li> <li>• 2 pole 2 N/C contact</li> <li>• Degree of protection - IP20</li> <li>• G 1/4 (BSP female) fluid connection</li> </ul>                                      |                |  |              |
| Adjustable range of rising pressure 1.4 - 4.6 bar  |                | FSG2 <input checked="" type="checkbox"/>         | 1915         |
| Electromechanical pressure switches (Nautilus)   |                |  |              |
| <ul style="list-style-type: none"> <li>• Conforming to IEC/EN 60947-5-1</li> <li>• 1 C/O single pole contact (4 terminal) snap action with setting scale</li> </ul>  |                |  |              |
| <b>Fixed differential</b>  |                |  |              |
| 0.4 to 4 bar   |                | XMLA004A2S11 <input checked="" type="checkbox"/> | 13927        |
| 0.7 to 20 bar  |                | XMLA020A2S11 <input checked="" type="checkbox"/> | 10337        |
| 1.5 to 35 bar  |                | XMLA035A2S11 <input checked="" type="checkbox"/> | 9436         |
| 5 to 70 bar  |                | XMLA070D2S11 <input checked="" type="checkbox"/> | 10388        |
| <b>Adjustable differential</b>   |                |  |              |
| 0.25 to 4 bar  |                | XMLB004A2S11 <input checked="" type="checkbox"/> | 15051        |
| 1.3 to 20 bar  |                | XMLB020A2S11 <input checked="" type="checkbox"/> | 15051        |
| 3.5 to 35 bar  |                | XMLB035A2S11                                     | 22247        |
| 7 to 70 bar  |                | XMLB070D2S11                                     | 16124        |

**XMLP Pressure Transmitter**

- For Hydraulic Oil, air, fresh water, sea water, gas & Refrigeration fluids



| Pressure Range | Output | Connection | Reference  | Unit MRP [₹] |
|----------------|--------|------------|--|--------------|
| 0 to 10 bar    | 4-20mA | DIN 43650  | XMLP010BC21F <input checked="" type="checkbox"/> | 11919        |
| 0 to 400 bar   | 4-20mA | DIN 43650  | XMLP400BC21F                                     | 11919        |
| 0 to 400 bar   | 0-10V  | M12        | XMLP400BD71F                                     | 10559        |

Note: 10,16, 25, 40, 60, 100, 250, 400 and 600 , bar version available in stock

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**XCKD Limit Switches**



- Metal body
- Conforming to IEC60947-5-1, EN60947-5-1, UL 508, CSA
- C22-2 n°14 standards
- Degree of Protection - IP67
- Tapped entry for n°11 cable gland
- 2 pole N/O + N/C, snap action contact available as standard (3 output contacts also available in same size and replaceable at site)

| Description  | number of Poles | Reference                                       | Unit MRP [₹] |
|--|-----------------|---|--------------|
| Steel roller plunger - 1 NC + 1 NO                                     |                 | XCKD2102G11 <input checked="" type="checkbox"/> | 2249         |
| Cat's whisker - 1 NC + 1 NO  |                 | XCKD2106G11                                     | 2533         |
| Steel end plunger - 1 NC + 1 NO  |                 | XCKD2110G11                                     | 3002         |
| Thermoplastic roller lever - 1 NC + 1 NO                               |                 | XCKD2118G11 <input checked="" type="checkbox"/> | 2745         |
| Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO |                 | XCKD2121G11 <input checked="" type="checkbox"/> | 2511         |
| Thermoplastic adjustable roller lever - 1 NC + 1 NO                    |                 | XCKD2145G11 <input checked="" type="checkbox"/> | 2348         |
| <b>Sub-assemblies Metal Bodies for XCKD</b>                            |                 |   |              |
| Body ZCD 1 NC + 1 NO Snap Action                                       | 2               | ZCD21 <input checked="" type="checkbox"/>       | 2883         |
| Body ZCD 2 NC + 1 NO Snap Action                                       | 3               | ZCD39   | 3311         |
| <b>Gland and Head for ZCD Bodies</b>                                   |                 |   |              |
| Cable gland entry Pg 11 - metal body                                   |                 | ZCDEG11   | 266          |
| Head for Limit switch - ZCE without operating lever                    |                 | ZCE01 <input checked="" type="checkbox"/>       | 742          |
| Steel roller plunger   |                 | ZCE02 <input checked="" type="checkbox"/>       | 983          |
| Cat's whisker  |                 | ZCE06   | 1319         |
| Steel end plunger  |                 | ZCE10   | 782          |
| Thermoplastic roller lever plunger, horizontal direction               |                 | ZCE21 <input checked="" type="checkbox"/>       | 1251         |
| Thermoplastic roller lever ZCY   |                 | ZCY18*  | 312          |
| Steel roller lever ZCY   |                 | ZCY19*  | 830          |
| Variable length thermoplastic roller lever                             |                 | ZCY45* <input checked="" type="checkbox"/>      | 1095         |
| *To be used with head ZCE01  |                 |   |              |
| <b>Contact block for ZCD bodies</b>                                    |                 |   |              |
| 1NO + 1NC  | 2               | XE2SP2151 <input checked="" type="checkbox"/>   | 802          |
| 1NO + 2NC  | 3               | XE3SP2141                                       | 1979         |

**XCK-M Limit Switches**



- 1 NO + 1 N/C with positive opening operation
- Heavy duty oil-tight to IP 665
- Up to 20 million operations

| Description  | Reference                                     | Unit MRP [₹] |
|--|---|--------------|
| <b>Body</b>  |   |              |
| Body - 1 NC + 1 NO - terminals   | ZCKM1 <input checked="" type="checkbox"/>     | 2074         |
| Spare contacts   | XE2SP2151 <input checked="" type="checkbox"/> | 802          |
| For ordering complete limit switches, please select body and head listed above |   |              |
| <b>Head</b>  |   |              |
| Head - steel roller plunger  | ZCKD02 <input checked="" type="checkbox"/>    | 1059         |
| Head - cat's whisker   | ZCKD06 <input checked="" type="checkbox"/>    | 1163         |
| Head - spring rod lever  | ZCKD08 <input checked="" type="checkbox"/>    | 1198         |
| Head - steel end plunger   | ZCKD10 <input checked="" type="checkbox"/>    | 616          |
| Delrin roller lever head   | ZCKD15 <input checked="" type="checkbox"/>    | 1279         |
| Delrin roller lever plunger head   | ZCKD21 <input checked="" type="checkbox"/>    | 1198         |
| Steel roller lever plunger head  | ZCKD23  | 1509         |
| Variable length Delrin roller lever  | ZCKD41 <input checked="" type="checkbox"/>    | 1563         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**XCK-P Thermoplastic**



Conforming to IEC 947-5-1  
 Degree of Protection - IP 653  
 Double insulated  
 Class II conforming to IEC 536  
 15 million mechanical durability  
 1 NO+1 NC 2 pole snap action contacts with positive opening

| Description   | Reference                                       | Unit MRP [₹] |
|---|---|--------------|
| Steel roller plunger - 1 NC + 1 NO                              | XCKP2102G11 <input checked="" type="checkbox"/> | 1595         |
| Cat's whisker - 1 NC + 1 NO                                     | XCKP2106G11 <input checked="" type="checkbox"/> | 2416         |
| Steel end plunger - 1 NC + 1 NO                                 | XCKP2110G11 <input checked="" type="checkbox"/> | 1326         |
| Delrin roller lever <sup>(1)</sup>                              | XCKP2118G11 <input checked="" type="checkbox"/> | 1365         |
| Delrin roller lever plunger, horizontal direction - 1 NC + 1 NO | XCKP2121G11 <input checked="" type="checkbox"/> | 1639         |
| Delrin roller lever plunger, vertical direction - 1 NC + 1 NO   | XCKP2127G11 <input checked="" type="checkbox"/> | 2522         |
| Adjustable roller lever - 1 NC + 1 NO (1) (Variable Length)     | XCKP2145G11 <input checked="" type="checkbox"/> | 1595         |
| Spare contact block   | XE2SP2151 <input checked="" type="checkbox"/>   | 802          |

**Note :** 1 tapped entry for size 11 cable gland  
 (1) Adjustable through 360° in 5 steps

**XCMD Metal, compact**



Conforming to IEC 947-5-1  
 IP 67 conforming to IEC 529  
 Pre-cabled, 5 x 0.75 mm<sup>2</sup>  
 Single pole 1 C/O contact, snap action

| Description                | Reference                                      | Unit MRP [₹] |
|----------------------------|--|--------------|
| Steel roller plunger       | XCMD2102L1 <input checked="" type="checkbox"/> | 3775         |
| Metal end plunger          | XCMD2110L1 <input checked="" type="checkbox"/> | 3191         |
| Thermoplastic roller lever | XCMD2115L1 <input checked="" type="checkbox"/> | 3298         |

**XCK - J Metal**



1NO + 1NC  
 Snap action  
 Positive opening operation  
 30 million operations  
 Heavy Duty Oil Tight to IP 667  
 Accuracy = 0.01 mm

| Description                                  | Reference                                     | Unit MRP [₹] |
|--|---|--------------|
| Head - without operating lever - Rotary head | ZCKE05 <input checked="" type="checkbox"/>    | 2179         |
| Head - cat's whisker                         | ZCKE06 <input checked="" type="checkbox"/>    | 2195         |
| Head - spring rod lever                      | ZCKE08 <input checked="" type="checkbox"/>    | 2381         |
| Head - steel roller lever                    | ZCKE23  | 3856         |
| Head - metal end plunger                     | ZCKE61  | 1866         |
| Head - reinforced end plunger                | ZCKE67 <input checked="" type="checkbox"/>    | 3110         |
| Body - 1 NC + 1 NO - terminals               | ZCKJ1 <input checked="" type="checkbox"/>     | 2622         |
| Body - 2 OC - terminals 2 NO + 2 NC          | ZCKJ2 <input checked="" type="checkbox"/>     | 4249         |
| Steel roller lever                           | ZCKY13 <input checked="" type="checkbox"/>    | 564          |
| Delrin roller lever Ø 50 mm                  | ZCKY41 <input checked="" type="checkbox"/>    | 824          |
| Nylon round rod Ø 6 mm                       | ZCKY59 <input checked="" type="checkbox"/>    | 475          |
| spare contacts                               | XE2SP2151 <input checked="" type="checkbox"/> | 802          |

**Note:**  
 • For ordering complete Limit Switches, please select body, head and, if necessary, roller listed above

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



**Tiger Limit Switches**

XCJ-Thermoplastic



Conforming to IEC 60947-5-1  
 Degree of Protection - IP 40, IK 04  
 Mechanical durability - 10 million operations  
 Operating frequency - 120 operations per minute  
 Light Duty application

| Description                       | Reference                                   | Unit MRP [₹] |
|-----------------------------------|---|--------------|
| Steel roller plunger - 1OC        | XCJ102C <input checked="" type="checkbox"/> | 1297         |
| Steel roller plunger              | XCJ103C <input checked="" type="checkbox"/> | 1380         |
| Steel end plunger                 | XCJ110C <input checked="" type="checkbox"/> | 1161         |
| Short flat roller lever plunger   | XCJ121C                                     | 1734         |
| Short flat lever plunger          | XCJ125C                                     | 941          |
| Long flat lever plunger           | XCJ126C <input checked="" type="checkbox"/> | 1080         |
| short roller lever plunger - flat | XCJ127C <input checked="" type="checkbox"/> | 972          |
| Long roller lever plunger - flat  | XCJ128C <input checked="" type="checkbox"/> | 1087         |

**XCE-Metal Zinc Alloy**



Conforming to IEC 60947-5-1  
 Degree of Protection - IP 65  
 Mechanical durability - 10 million operations  
 Operating frequency - 120 operations per minute  
 Medium Duty application

| Description                                   | Reference                                   | Unit MRP [₹] |
|---|---|--------------|
| Steel roller plunger for lateral cam movement | XCE102C <input checked="" type="checkbox"/> | 1742         |
| Steel end plunger                             | XCE110C <input checked="" type="checkbox"/> | 1596         |
| Thermoplastic roller lever                    | XCE118C <input checked="" type="checkbox"/> | 1789         |
| Variable length thermoplastic roller lever    | XCE145C <input checked="" type="checkbox"/> | 2162         |
| Round rod Ø3 mm steel rod                     | XCE154C                                     | 3122         |
| Spring rod lever                              | XCE181C                                     | 2077         |

**XCKN Limit Switches**



Plastic body  
 Conforming to IEC60947-5-1, EN60947-5-1, UL 508, CSA  
 C22-2 n°14 standards  
 Degree of Protection - IP65  
 Tapped entry for n°11 cable gland  
 2 pole N/C + N/O, snap action

| Description  | Type of Approach                  | Reference  | Unit MRP [₹] |
|--|-----------------------------------|--|--------------|
| Steel roller plunger - 1 NC + 1 NO   | Lateral cam approach 2 directions | XCKN2102G11 <input checked="" type="checkbox"/>    | 1118         |
| Cat's whisker - 1 NC + 1 NO  | Multi-directional approach        | XCKN2106G11 <input checked="" type="checkbox"/>    | 1336         |
| Spring lever - 1 NC + 1 NO   | Multi-directional approach        | XCKN2108G11 <input checked="" type="checkbox"/>    | 1989         |
| Steel end plunger - 1 NC + 1 NO  | Vertical approach 1 direction     | XCKN2110G11 <input checked="" type="checkbox"/>    | 943          |
| Thermoplastic roller lever - 1 NC + 1 NO   | Lateral approach 2 directions     | XCKN2118G11 <input checked="" type="checkbox"/>    | 986          |
| Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO   | Lateral approach 1 direction      | XCKN2121G11 <input checked="" type="checkbox"/>    | 1232         |
| Variable length adjustable roller lever - 1 NC + 1 NO  | Lateral approach 2 directions     | XCKN2145G11 <input checked="" type="checkbox"/>    | 1184         |
| Variable length adjustable Thermoplastic roller lever Ø 50 mm - 1 NC + 1 NO                                      | Lateral approach 2 directions     | XCKN2149G11 <input checked="" type="checkbox"/>    | 1455         |
| Variable length adjustable Thermoplastic large roller lever Ø 50 mm - 1 NC + 1 NO, snap action                   | Lateral approach 2 directions     | XCKN2149P20S64 <input checked="" type="checkbox"/> | 1028         |
| Variable length adjustable Thermoplastic large roller lever Ø 50 mm - 1 NC + 1 NO, Slow-break, break before make | Lateral approach 2 directions     | XCKN2549P20S64 <input checked="" type="checkbox"/> | 1036         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**XCMN Limit Switches**



Miniature design  
 Conforming to IEC60947-5-1, EN60947, UL 508, CSA C22-2 n°14 standards  
 Degree of Protection - IP65  
 Plastic body with metal head  
 1 metre PVR cable supplied as standard (4 x 0.75mm<sup>2</sup>)  
 2 pole N/C + N/O, snap action contact  
 Mechanical durability - 5 million operating cycles

| Description  | Reference  | Unit MRP [₹] |
|--|------------|--------------|
| Steel roller plunger for lateral cam approach                | XCMN2102L1 | 2343         |
| Steel end plunger  | XCMN2110L1 | 2036         |
| Thermoplastic roller lever - 1 NC + 1 NO                     | XCMN2115L1 | 2247         |
| roller lever plunger - 1 NC + 1 NO - one direction actuation | XCMN2121L1 | 2638         |
| Thermoplastic adjustable roller lever - 1 NC + 1 NO          | XCMN2145L1 | 2556         |

**XCKMR (Metal) Limit Switches**



For Hoisting & material handling Application  
 3 Cable Entry

| Type of Operator         | Contact Type               | Cable Entry       | Reference  | Unit MRP [₹] |
|--------------------------|----------------------------|-------------------|--|--------------|
| With Cruciform metal rod | 2x2 pole NC + NC Staggered | M20 x 1.5         | XCKMR54D1H29 <input checked="" type="checkbox"/> | 13594        |
| With Cruciform metal rod | 2x2 pole NC + NC Staggered | PG 13 Cable Gland | XCKMR54D1 <input checked="" type="checkbox"/>    | 15400        |

**XCKVR (Plastic) Limit Switch**



| Type of Operator         | Contact Type             | Cable Entry | Reference  | Unit MRP [₹] |
|--------------------------|--------------------------|-------------|--|--------------|
| With cruciform metal rod | 2x2 pole NC+NC staggered | M20x1.5     | XCKVR54D1H29 <input checked="" type="checkbox"/> | 5859         |

**Conveyor Belt Shift Monitoring Switches**



| Type of Operator   | Tripping Angle   | Reference     | Unit MRP [₹] |
|--|--|---------------|--------------|
| Spring return roller zinc plated steel with lever for corrosive atmosphere | 10° fault signalling 18° stopping of the conveyor belt | XCRT115       | 22740        |
| Spring return roller stainless steel with lever                            | 10° fault signalling 18° stopping of the conveyor belt | XCRT215       | 48819        |
| Spring Return steel roller lever   | 23° Stopping of the Conveyor Belt (1 C/O)              | XCKJ105217H29 | 5392         |

**Note:**  
 • Accuracy = 0.05 mm  
 • 3 cable entries tapped for CM10 cable glands

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**XCKM.LC Metal**



1NO + 1NC Snap action  
 10 millions operations  
 Heavy Duty Oil tight IP66, IK05

| Operation type                          | Connection | Reference    | Unit MRP [₹] |
|---|------------|--------------|--------------|
| Metal end plunger                       | Pg11       | XCKM110LC    | 3084         |
| Steel roller plunger                    | PG11       | XCKM102LC    | 3084         |
| Steel roller lever                      | Pg11       | XCKM116LC    | 2222         |
| Steel roller lever                      | M20        | XCKM116H29LC | 2713         |
| Steel roller lever Horizontal actuation | Pg11       | XCKM2023LC   | 2222         |

**XCKJ.LC**



1NO + 1NC  
 Snap action  
 10 million operations  
 Heavy Duty Oil Tight to IK07, IP66, IP67

| Operation Type                        | Connection | Reference      | Unit MRP [₹] |
|---------------------------------------|------------|----------------|--------------|
| Metal end plunger                     | Pg 13.5    | XCKJ161LC      | 2133         |
| Steel roller plunger                  | M20        | XCKJ167H29LC   | 2199         |
| Steel roller plunger                  | Pg 13.5    | XCKJ167LC      | 2199         |
| Thermoplastic roller lever            | Pg13.5     | XCKJ10511LC    | 2148         |
| Steel roller lever                    | M20        | XCKJ10513H29LC | 2077         |
| Steel roller lever                    | Pg13.5     | XCKJ10513LC    | 2057         |
| Var.length Thermoplastic roller lever | M20        | XCKJ10541H29LC | 2552         |
| Var.length Thermoplastic roller lever | Pg13.5     | XCKJ10541LC    | 2552         |
| Polyamide 6 mm rod lever              | M20        | XCKJ10559H29LC | 2371         |
| Polyamide 6 mm rod lever              | Pg.13.5    | XCKJ10559LC    | 2856         |
| Var.length Steel roller lever         | M20        | XCKJ10543H29LC | 2148         |
| Var.length Steel roller lever         | Pg13.5     | XCKJ10543LC    | 1961         |

**XCK-T Thermoplastic**



Conforming to IEC 947-5-1  
 Degree of Protection - IP 653  
 Double insulated  
 Class II conforming to IEC 536  
 15 Million Mechanical durability  
 1 NO+1 NC 2 pole snap action contacts with positive opening

| Description   | Reference   | Unit MRP [₹] |
|---|-------------|--------------|
| Steel roller plunger - 1 NC + 1 NO                                | XCKT2102G11 | 2211         |
| Steel end plunger - 1 NC + 1 NO                                   | XCKT2110G11 | 2643         |
| Delrin - roller lever plunger, horizontal direction - 1 NC + 1 NO | XCKT2121G11 | 2211         |

Note : 2 tapped entries for size 11 cable glands  
 (1) Adjustable through 360° in 5 steps

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Wireless and Batteryless OsiSense XCMW**



Uses Zigbee® protocol for best-in-class communication performance  
 Up to 100m distance in open field  
 Up to 32 transmitters per receiver (ZBRRC and ZBRRD receivers)  
 Top performance with access point receiver:  
 • Through Modbus serial  
 • Through Modbus/TCP protocol

| Operation                                  | Reference | Unit MRP [₹] |
|--|-----------|--------------|
| Metal end plunger                          | XCMW110   | On Request   |
| Steel roller plunger                       | XCMW102   | On Request   |
| Thermoplastic roller lever                 | XCMW115   | On Request   |
| Steel roller lever                         | XCMW116   | On Request   |
| Variable length thermoplastic roller lever | XCMW145   | On Request   |

**XZBW, universal wireless solution for sensors**



Brings wireless transmission to any standard sensor or switch.  
 Savings on cables, cable tray & related maintenance costs.  
 Compatible with any type of PNP/ NPN or contact sensor  
 One digital input per emitter  
 Connect up to two emitters per receiver

| Operation  | Reference   | Unit MRP [₹] |
|--|-------------|--------------|
| Wireless transmitter for sensors and switches                            | XZBWE112A24 | On Request   |
| Programmable receiver - 4 PNP - 200 mA - 24 V DC - 2 pusbuttons - 6 LEDs | XZBWR2STT24 | On Request   |

**Safety Detection Solution**



Guard Switch, Actuator Operated  
 Plastic, Turret Head  
 Mechanical Durability = >1 Million operating cycle  
 NC contact with positive opening

| Operation                                       | Cable Entry | Reference                                    | Unit MRP [₹] |
|---|-------------|--|--------------|
| 3 Pole NC+ NC + NO - Snap Action                | Pg 11       | XCSPA491                                     | 4156         |
| 2 Pole NC + NO - Break Before Make, Slow Break  | Pg 11       | XCSPA591                                     | 3154         |
| 2 Pole NC + NO - Break Before Make, Slow Break  | ½" NTP      | XCSPA592 <input checked="" type="checkbox"/> | 2566         |
| 2 Pole NC + NC - Slow Break                     | Pg 11       | XCSPA791                                     | 2830         |
| 2 Pole NC + NC - Slow Break                     | ½" NTP      | XCSPA792                                     | 3099         |
| 3 Pole NC+ NO + NO - Slow Break (2NO Staggered) | Pg11        | XCSTA591 <input checked="" type="checkbox"/> | 3848         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**XCS LE /LF Safety Solenoid Interlock**



| Body Type | Contacts     | Voltage   | Locking            | Reference  | Unit MRP [₹] |
|-----------|--------------|-----------|--------------------|--|--------------|
| Metal     | NO + NC      | 24V AC/DC | On de-energisation | XCSLF2525312                                     | 22681        |
| Plastic   | NO + NC      | 24V AC/DC | On de-energisation | XCSLE2525312 <input checked="" type="checkbox"/> | 17468        |
| Plastic   | NC + NC + NO | 24V AC/DC | On de-energisation | XCSLE3737312                                     | 21140        |

**XCSDM Safety coded Magnetic Switch**



| Contact*                              | Body Size                 | Connection    | Reference                                      | Unit MRP [₹] |
|---------------------------------------|---------------------------|---------------|--|--------------|
| 2-pole 1 NC + 1 NO (staggered)        | Compact 51 x 16 x 7       | 2m Cable      | XCSDMC5902 <input checked="" type="checkbox"/> | 6095         |
| 2-pole 1 NO + 1 NO (staggered)        | Compact 51 x 16 x 7       | 2m Cable      | XCSDMC7902                                     | 6693         |
| 2-pole 1 NC + 1 NO (staggered)        | Standard 88 x 25 x 13     | 2m Cable      | XCSDMP5902                                     | 4872         |
| 2-pole 1 NO + 1 NO (staggered)        | Standard 88 x 25 x 13     | 2m Cable      | XCSDMP7902                                     | 5386         |
| 3-pole 1 NC + 1 NO + 1 NO (staggered) | Standard 88 x 25 x 13     | M12 Connector | XCSDMP700L01M12                                | 12818        |
| 3-pole 1 NC + 1 NO + 1 NO (staggered) | Standard 88 x 25 x 13     | M12 Connector | XCSDMP701L01M12                                | 8918         |
| 2-pole 1 NC + 1 NO (staggered)        | Cylindrical D=30, L= 38.5 | M12 Connector | XCSDMR590L01M12                                | 8077         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Specifications: Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15 mm**

| [Sn] nominal sensing distance                                     | Sensor design | Discrete output function | Discrete Output type | Reference  | Unit MRP [₹] |
|---|---------------|--------------------------|----------------------|--|--------------|
| <b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>     |               |                          |                      |  |              |
| 1.5mm   | M8            | 1 NO                     | NPN                  | XS108BLNAL2                                      | 1917         |
|   |               |                          | PNP                  | XS108BLPAL2 <input checked="" type="checkbox"/>  | 1585         |
|   |               |                          |                      | XS108BLPAM12 <input checked="" type="checkbox"/> | 1701         |
|   |               |                          |                      | XS108BLPAM8                                      | 1733         |
| <b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b> |               |                          |                      |  |              |
| 2.5mm   | M8            | 1 NO                     | NPN                  | XS208BLNAL2 <input checked="" type="checkbox"/>  | 2183         |
|   |               |                          | PNP                  | XS208BLPAL2 <input checked="" type="checkbox"/>  | 2203         |
|   |               |                          |                      | XS208BLPAM12                                     | 3240         |
| <b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>     |               |                          |                      |  |              |
| 2mm   | M12           | 1NC                      | PNP                  | XS112BLPBL2 <input checked="" type="checkbox"/>  | 2711         |
|   |               |                          | NPN                  | XS112BLNAL2 <input checked="" type="checkbox"/>  | 1456         |
|   |               | 1 NO                     | NPN                  | XS112BLNAM12                                     | 1850         |
|   |               |                          | PNP                  | XS112BLPAL2 <input checked="" type="checkbox"/>  | 1397         |
|   |               |                          | PNP                  | XS112BLPAM12 <input checked="" type="checkbox"/> | 1358         |

**Specifications : Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15mm**

| [Sn] nominal sensing distance                                     | Sensor design | Discrete output function | Discrete Output type | Reference  | Unit MRP [₹]                                    |      |
|---|---------------|--------------------------|----------------------|--|---|------|
| <b>Two Wire - 12-240V AC Metal, Flush Mountable - Threaded</b>    |               |                          |                      |  |   |      |
| <b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b> |               |                          |                      |  |   |      |
| 4 mm  | M12           | 1 NO                     | NPN                  | XS212BLNBL2 <input checked="" type="checkbox"/>  | 1860  |      |
|   |               |                          | PNP                  | XS212BLPBL2 <input checked="" type="checkbox"/>  | 2022  |      |
|   |               |                          | NPN                  | XS212BLNAL2                                      | 1504  |      |
|   |               |                          |                      | XS212BLNAM12                                     | 2328  |      |
|   |               |                          |                      | PNP  | XS212BLPAL2 <input checked="" type="checkbox"/> | 1500 |
|   |               |                          |                      | PNP  | XS212BLPAL5                                     | 1984 |
| PNP   | XS212BLPAM12  | 1753                     |                      |  |   |      |
| <b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>     |               |                          |                      |  |   |      |
| 5 mm  | M18           | 1 NO                     | PNP                  | XS118BLPBL2                                      | 2238  |      |
|   |               |                          | NPN                  | XS118BLNAL2 <input checked="" type="checkbox"/>  | 1753  |      |
|   |               |                          |                      | XS118BLNAM12                                     | 2365  |      |
|   |               |                          |                      | XS118BLPAL2 <input checked="" type="checkbox"/>  | 1575  |      |
|   |               |                          |                      | PNP  | XS118BLPAL5                                     | 3158 |
|   |               |                          |                      | XS118BLPAM12 <input checked="" type="checkbox"/> | 2260  |      |
| <b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b> |               |                          |                      |  |   |      |
| 8 mm  | M18           | 1 NO                     | NPN                  | XS218BLNAL2 <input checked="" type="checkbox"/>  | 1532  |      |
|   |               |                          |                      | XS218BLNAL5                                      | 3243  |      |
|   |               |                          |                      | XS218BLNAM12                                     | 2311  |      |
|   |               |                          | PNP                  | XS218BLPAL2 <input checked="" type="checkbox"/>  | 1500  |      |
|   |               |                          |                      | XS218BLPAL5                                      | 1984  |      |
|   |               |                          |                      | XS218BLPAM12 <input checked="" type="checkbox"/> | 1679  |      |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Specifications : Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15mm**

| [Sn] Nominal sensing distance                                     | Sensor design | Discrete Output function | Discrete Output type | Reference                                       | Unit MRP [₹] |
|---|---------------|--------------------------|----------------------|---|--------------|
| <b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>     |               |                          |                      |   |              |
| 10mm  | M30           | 1NC                      | PNP                  | XS130BLPBL2                                     | 3015         |
|   |               | 1 NO                     | NPN                  | XS130BLNAL2 <input checked="" type="checkbox"/> | 2924         |
|   |               |                          | PNP                  | XS130BLPAL2 <input checked="" type="checkbox"/> | 1714         |
|   |               |                          |                      | XS130BLPAM12                                    | 2995         |
| <b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b> |               |                          |                      |   |              |
| 15mm  | M30           | 1NC                      | PNP                  | XS230BLPBL2                                     | 1912         |
|   |               | 1 NO                     | NPN                  | XS230BLNAL2                                     | 2666         |
|   |               |                          | PNP                  | XS230BLPAL2 <input checked="" type="checkbox"/> | 1666         |
|   |               |                          |                      | XS230BLPAL5                                     | 2872         |
|   |               |                          |                      | XS230BLPAM12                                    | 3015         |

**Note :**

1. L2 stands for sensors with 2m cable
2. L5 stands for sensors with 5m cable
3. L10 stands for sensors with 10m cable
4. M8 & M12 stand for universal connectors.
5. Connectors to be ordered separately.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

**Extended Sensing Range**

| [Sn] Nominal sensing distance                                 | Sensor design | Discrete Output function | Discrete Output type | Reference  | Unit MRP [₹] |
|---|---------------|--------------------------|----------------------|--|--------------|
| <b>Three Wire Metal 10-36V DC, Flush Mountable - Threaded</b> |               |                          |                      |  |              |
| 2.5 mm (Length 51 mm)   | M8            | 1 NO                     | PNP                  | XS608B1PAL2                                      | 5306         |
| 2.5 mm (Length 51 mm)   | M8            | 1 NO                     | PNP                  | XS608B1PAM12 <input checked="" type="checkbox"/> | 4982         |
| 4 mm (Length 53 mm)   | M12           | 1 NO                     | PNP                  | XS612B1PAL2 <input checked="" type="checkbox"/>  | 4404         |
| 4 mm (Length 53 mm)   | M12           | 1 NO                     | PNP                  | XS612B1PAM12 <input checked="" type="checkbox"/> | 3759         |
| 8 mm (Length 62 mm)   | M18           | 1 NO                     | PNP                  | XS618B1PAL2 <input checked="" type="checkbox"/>  | 5048         |
| 8 mm (Length 62 mm)   | M18           | 1 NO                     | PNP                  | XS618B1PAM12 <input checked="" type="checkbox"/> | 4601         |
| 15 mm (Length 62 mm)  | M30           | 1 NO                     | PNP                  | XS630B1PAL2 <input checked="" type="checkbox"/>  | 6025         |
| 15 mm (Length 62 mm)  | M30           | 1 NO                     | PNP                  | XS630B1PAM12 <input checked="" type="checkbox"/> | 5725         |
| <b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b> |               |                          |                      |  |              |
| 4 mm  | M12           | 1 NO                     | PNP                  | XS112B3PAL2                                      | 3131         |
|   |               |                          |                      | XS112B3PAM12 <input checked="" type="checkbox"/> | 2590         |
| <b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b> |               |                          |                      |  |              |
| 8 mm  | M18           | 1 NO                     | PNP                  | XS118B3PAL2                                      | 3625         |
|   |               |                          |                      | XS118B3PAM12                                     | 4442         |
| 8 mm  | M18           | 1 NO                     | PNP                  | XS118B3PAL2                                      | 3625         |
|   |               |                          |                      | XS118B3PAM12                                     | 4442         |
| <b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b> |               |                          |                      |  |              |
| 15 mm   | M30           | 1 NO                     | PNP                  | XS130B3PAM12                                     | 3810         |

**Multi Current/Multi Voltage sensor for AC/DC Application**

**2 Wire, Supply voltage 20...264 LED Out Put State Indicator**

| [Sn] Nominal sensing distance | Sensor design | Discrete Output function | Reference                                       | Unit MRP [₹] |
|-------------------------------|---------------|--------------------------|---|--------------|
| 4 mm                          | M12           | NO                       | XS612B1MAL2 <input checked="" type="checkbox"/> | 8663         |
| 8 mm                          | M18           | NO                       | XS618B1MAL2 <input checked="" type="checkbox"/> | 6180         |
| 15 mm                         | M30           | NO                       | XS630B1MAL2 <input checked="" type="checkbox"/> | 6722         |

Multi Current/Multi voltage Sensor for AC/DC Application  
 2 wire connection  
 Supply voltage 20...264 V

**Flush-Non flush mountable via teach mode**

|       |              |          |             |       |
|-------|--------------|----------|-------------|-------|
| 60 mm | 80 x 80 x 26 | AC/DC NO | XS8D1A1MAL2 | 18509 |
|-------|--------------|----------|-------------|-------|

**Speed Rotation Monitoring Proximity Switches**

| [Us] Rated Supply voltage                  | Switching capacity                             | Wiring technique | [Sn] Sensing distance | Operating zone | Adjustable Freq. Impulse/min | Reference                                     | Unit MRP [₹] |
|--|--|------------------|-----------------------|----------------|------------------------------|---|--------------|
| 24...210 V DC<br>24...240 V AC<br>50/60 Hz | 5...200 mA DC<br>5...350 mA AC                 | 2-wire AC/DC     | 10 mm                 | 0...8 mm       | 6...150                      | XSAV11801 <input checked="" type="checkbox"/> | 17248        |
|  |  |                  |                       |                | 120...3000                   | XSAV12801 <input checked="" type="checkbox"/> | 28466        |
| 12...48 V DC                               | ≤ 200 mA overload and short-circuit protection | 3-wire DC PNP    | 10 mm                 | 0...8 mm       | 6...150                      | XSAV11373 <input checked="" type="checkbox"/> | 23987        |
|  |  |                  |                       |                | 120...3000                   | XSAV12373 <input checked="" type="checkbox"/> | 19188        |

**Accessories**

| Description                   | Sensor Design | Reference | Unit MRP [₹] |
|-------------------------------|---------------|-----------|--------------|
| Fixing for cylindrical sensor | m18           | XSZB118   | 958          |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



**XS Flat Type [Inductive Sensors]**

Rated Supply voltage-12...24V DC



| Description        | Output Function  | Switching capacity in mA | [Sn] Sensing distance | Reference   | Unit MRP [₹] |
|--------------------|------------------|--------------------------|-----------------------|-------------|--------------|
| Flat form 40x40x15 | PNP [NO], 3-wire | <=100 mA                 | Flush-15mm            | XS7C1A1PAL2 | 5090         |
| Flat form 80x80x26 | PNP [NO], 3-wire | <=100 mA                 | Flush-40mm            | XS7D1A1PAL2 | 7077         |
| Flat form 40x40x15 | PNP [NO], 3-wire | <=200mA                  | Non-Flush-25mm        | XS8C1A1PAL2 | 19197        |
| Flat form 80x80x26 | PNP [NO], 3-wire | <=200mA                  | Non-Flush-60mm        | XS8D1A1PAL2 | 12060        |



XS Cubic C2 Form



XS Turret Form

| Sensing range           | Output                  | Connection | Reference  | Unit MRP [₹] |
|-------------------------|-------------------------|------------|--|--------------|
| <b>XS Cubic C2 Form</b> |                         |            |  |              |
| 15mm                    | 1 NO                    | Terminal   | XS7C2A1PAM12                                     | 4187         |
| 20mm                    | 1 NO + 1 NC             | Terminal   | XS8C2A1PCM12                                     | 5306         |
| 40mm                    | 1 NO + 1 NC             | Terminal   | XS8C2A4PCM12 <input checked="" type="checkbox"/> | 6100         |
| <b>XS Turret Form</b>   |                         |            |  |              |
| 15 mm                   | 1NO + 1 NC programmable | Terminals  | XS7C4A1DPG13                                     | 7494         |
| 15 mm                   | 1NO + 1 NC programmable | Terminals  | XS7C4A1MPG13 <input checked="" type="checkbox"/> | 8475         |
| 20mm                    | 1NO+ 1NC                | Terminals  | XS8C4A1PCG13 <input checked="" type="checkbox"/> | 7454         |
| 20mm                    | 1NO+ 1NC                | Terminals  | XS8C4A1PCP20                                     | 9205         |
| 20mm                    | 1NO + 1 NC programmable | Terminals  | XS8C4A1DPG13                                     | 17553        |
| 20mm                    | 1NO + 1 NC programmable | Terminals  | XS8C4A1MPG13                                     | 11912        |
| 20mm                    | 1NO + 1 NC programmable | Terminals  | XS8C4A1MPP20                                     | 9530         |
| 20mm                    | 1NO + 1 NC programmable | Terminals  | XS8C4A1MPG13                                     | 11912        |

**XT Capacitive sensor**

| Sensing range | Output     | Connection    | Reference  | Unit MRP [₹] |
|---------------|------------|---------------|--|--------------|
| 8mm           | 1 NO       | 2M Cable      | XT218A1PAL2                                      | 4832         |
| 8mm           | 1NC + NO   | M12 Connector | XT218A1PCM12 <input checked="" type="checkbox"/> | 4795         |
| 15mm          | 1NO        | 2M Cable      | XT230A1PAL2 <input checked="" type="checkbox"/>  | 5278         |
| 15mm          | 1NO + 1 NC | M12 connector | XT230A1PCM12                                     | 4950         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

OsiSense Ultrasonic XX



3 wire connection  
Supply voltage 10-28 V DC  
Plastic case

| [Sn] Nominal Sensing Distance                          | Sensor Design | Discrete Output Function | Reference    | Unit MRP [₹] |
|--|---------------|--------------------------|--------------|--------------|
| 50 cm  | M18           | PNP NO                   | XX518A3PAM12 | 14999        |
| 1 m  | M30           | PNP NO                   | XX6V3A1PAM12 | 18146        |
| <b>Sensors with analogue output for DC application</b> |               |                          |              |              |
| 8 m  | M30           | 4..20 mA                 | XX930A3A2M12 | 42948        |

OsiSense XX



Ultrasonic Sensor for monitoring 2 levels

| Sensing Distance | Output   | Connection | Reference    | Unit MRP [₹] |
|------------------|----------|------------|--------------|--------------|
| 0.5m             | PNP [NO] | M12        | XX218A3PHM12 | 17125        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



| Connector Type  | Connection  | Shape    | Length | Reference  | Unit MRP [₹] |
|---|-------------|----------|--------|--|--------------|
| Osi Sense XZ PUR cable<br>Industrial high end use<br>Nominal Current 4A<br>Matt Black Colour<br>Operation temperature -35 .. +90OC<br>IP 67 |             |          |        |  |              |
| PUR Pre-wired connector   | M8, 3 pins  | Straight | 2m     | XZCP0566L2                                       | 1147         |
| PUR Pre-wired connector   | M8, 3 pins  | Straight | 5m     | XZCP0566L5                                       | 1480         |
| PUR Pre-wired connector   | M8, 3 pins  | Elbowed  | 5m     | XZCP0666L5                                       | 1652         |
| PUR Pre-wired connector   | M8, 4 pins  | Straight | 2m     | XZCP0941L2                                       | 1321         |
| PUR Pre-wired connector   | M8, 4 pins  | Straight | 5m     | XZCP0941L5                                       | 1652         |
| PUR Pre-wired connector   | M8, 4 pins  | Elbowed  | 2m     | XZCP1041L2                                       | 1321         |
| PUR Pre-wired connector   | M8, 4 pins  | Elbowed  | 5m     | XZCP1041L5                                       | 1652         |
| PUR Pre-wired connector   | M12, 4 pins | Straight | 2m     | XZCP1141L2 <input checked="" type="checkbox"/>   | 1103         |
| PUR Pre-wired connector   | M12, 4 pins | Straight | 5m     | XZCP1141L5 <input checked="" type="checkbox"/>   | 1725         |
| PUR Pre-wired connector   | M12, 4 pins | Elbowed  | 2m     | XZCP1241L2 <input checked="" type="checkbox"/>   | 1168         |
| PUR Pre-wired connector   | M12, 4 pins | Elbowed  | 5m     | XZCP1241L5 <input checked="" type="checkbox"/>   | 2055         |
| Osi Sense XZ PVC Cable<br>• General use<br>• Nominal Current 3A<br>• Grey Colour<br>• Operating temperature -25..+80°C<br>• IP 65           |             |          |        |  |              |
| PVC Pre-wired connector   | M8, 3 pins  | Straight | 2m     | XZCPV0566L2                                      | 1031         |
| PVC Pre-wired connector   | M8, 3 pins  | Straight | 5m     | XZCPV0566L5                                      | 1052         |
| PVC Pre-wired connector   | M8, 3 pins  | Elbowed  | 5m     | XZCPV0666L5                                      | 1581         |
| PVC Pre-wired connector   | M8, 4 pins  | Straight | 2m     | XZCPV0941L2 <input checked="" type="checkbox"/>  | 991          |
| PVC Pre-wired connector   | M8, 4 pins  | Straight | 5m     | XZCPV0941L5                                      | 1782         |
| PVC Pre-wired connector   | M8, 4 pins  | Elbowed  | 5m     | XZCPV1041L5                                      | 1245         |
| PVC Pre-wired connector   | M12, 4 pins | Straight | 2m     | XZCPV1141L2 <input checked="" type="checkbox"/>  | 773          |
| PVC Pre-wired connector   | M12, 4 pins | Straight | 5m     | XZCPV1141L5 <input checked="" type="checkbox"/>  | 1005         |
| PVC Pre-wired connector   | M12, 4 pins | Elbowed  | 2m     | XZCPV1241L2 <input checked="" type="checkbox"/>  | 882          |
| PVC Pre-wired connector   | M12, 4 pins | Elbowed  | 5m     | XZCPV1241L5 <input checked="" type="checkbox"/>  | 985          |
| Osi Sense XZ Connector<br>• Protection IP67<br>• Connection Type Screw Threaded   |             |          |        |  |              |
| Male connector  | M12, 4 Pin  | Straight |        | XZCC12MDM40B                                     | 622          |
| Male connector  | M12, 4 Pin  | Elbowed  |        | XZCC12MCM40B                                     | 681          |
| Male connector  | M12, 5 Pin  | Straight |        | XZCC12MDM50B                                     | 1376         |
| Male connector  | M12, 5 Pin  | Elbowed  |        | XZCC12MCM50B                                     | 1376         |
| Female connector  | M12, 4 Pin  | Straight |        | XZCC12FDM40B                                     | 609          |
| Female connector  | M12, 4 Pin  | Elbowed  |        | XZCC12FCM40B <input checked="" type="checkbox"/> | 622          |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Human Machine Interfaces Product Line-up Guide

Harmony Panels and Industrial PCs

[se.com/in](https://se.com/in)

# Basic HMI panels for simple machines

## Harmony ST6 — High-resolution and cost-efficient basic HMI



Harmony STM6: W4", W7"  
Harmony ST6/STW6: W4", W7", W10", W12", W15"



Modular Harmony STM6



Modular HMI Gateway Box



Edge Box HMI



### Supporting Software



EcoStruxure Operator Terminal Expert



EcoStruxure Machine SCADA Expert



HTML 5

- Cost-effective with good quality
- Fits into Schneider EcoStruxure Architecture
- Superior high-resolution screen with 16M colors
- Powered by new-generation software "EcoStruxure Operator Terminal Expert" for high-quality graphics and stylish design
- Tool-free mounting with newly-designed mounting fastener, no need for screwdriver
- 2x Ethernet with Dual IP, end-to-end Cybersecurity
- Modular HMI version with push button 22 mm/0.866 in. mounting system
- Web HMI version with embedded browser (instead of HMI software) for visualizing HTML5 servers on industrial devices
- Remote visualization using Web Viewer feature
- Faceless HMI version with STM6 Gateway Box and Web Viewer feature for applications that do not need a full time operator screen
- Supports Cloud Services on Edge Box HMI (HMISTM6BOXIOT) due to the power of EcoStruxure Machine SCADA Expert software

## Harmony STO7 — Compact color HMI



### Supporting Software



Harmony STO7: W4.3"



EcoStruxure Operator Terminal Expert

- TFT color screen with 480 x 272 pixels
- Removable logo stickers
- Larger screen with full-size ratio in the 4.3" class
- 3 versions for various communication types

## Harmony GTO — Standard HMI



### Supporting Software



Harmony GTO: 3.5", 5.7", W7", 7", 10", 12"



Vijeo Designer

- Excellent brightness with TFT 65K colors
- Stainless steel panel for food and beverage applications
- Standard front and IP65 degree of protection
- Extended Temperature - up to 55 °C/131 °F
- Easy to install and sustainable offer
- Full range of international certifications
- No logo and full conformal coating versions available

## Harmony STU — Cut-out free HMI



### Supporting Software



Harmony STU: 3.5", 5.7"



Vijeo Designer

- Compact for space saving
- Innovative tool-free mounting via 22.5 mm/0.885 in. hole
- Ethernet port RJ45 10BASE-T/100BASE-TX
- Separately mounted via 3 m or 5 m cable with mounting adapter
- Modular design for easy maintenance

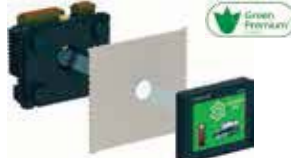
## Harmony SCU — Cut-out free HMI controller



### Supporting Software



Harmony SCU: 3.5", 5.7"



EcoStruxure Machine Expert

- Optimum all-in-one combination for HMI and Control
- Innovative tool-free mounting via 22.5 mm/0.885 in. hole
- Reduce machine assembly time and cost
- Space saving
- Embedded CANopen port for field networking
- Modular design for easy maintenance

## Harmony ST6 — High-resolution and cost-efficient basic HMI



Harmony ST6 HMI panels range in sizes from 4" to 15" wide combining the exceptional quality of good graphics and stylish design. They are available in basic, modular, web and Edge Box. The ST6 and STM6 panels offer an improved user operation experience through an intuitive design powered by EcoStruxure Operator Terminal Expert software. The STW6 panels have a pre-installed browser that provides a ready-to-use agnostic terminal allowing all devices to be visualized within an HTML5 server. The Edge Box HMI, thanks to the power of EcoStruxure™ Machine SCADA Expert software, provides an affordable Box to get ready for Cloud Services EcoStruxure Machine brings together key technologies for product connectivity and on-premise edge control, and cloud technologies to provide analytics and digital services. EcoStruxure Machine helps you bring more innovation and added value to your customers throughout the entire machine life cycle. The Harmony ST6/STW6/STM6 and the Edge Box HMI versions meet IIoT challenges at the Connected Products level, by providing secure communication, connectivity, and efficiency to the required software and applications at the Edge Control level, thus opening up more business opportunities.

| Product Description           | Reference     | Unit MRP [₹] |
|-------------------------------|---------------|--------------|
| 4" W basic operator terminal  | HMIST6200     | On Request   |
| 7" W basic operator terminal  | HMIST6400     | On Request   |
| 10" W basic operator terminal | HMIST6500     | On Request   |
| 12" W basic operator terminal | HMIST6600     | On Request   |
| 15" W basic operator terminal | HMIST6700     | On Request   |
| "4"W basic modular terminal"  | HMISTM6200    | On Request   |
| "7"W basic modular terminal"  | HMISTM6400    | On Request   |
| Basic HMI Gateway , STM6      | HMISTM6BOX    | On Request   |
| "4"W basic Web terminal"      | HMISTW6200    | On Request   |
| 7" W basic Web terminal       | HMISTW6400    | On Request   |
| 10" W basic Web terminal      | HMISTW6500    | On Request   |
| 12" W basic Web terminal      | HMISTW6600    | On Request   |
| 15" W basic Web terminal      | HMISTW6700    | On Request   |
| Basic HMI Edge Box,STM6       | HMISTM6BOXIOT | On Request   |

## Harmony STO7 - Compact color HMI



- Best-in-class display
- With screen quality based on ppi similar to Harmony GTU, the Harmony STO7●●
- 4.3" color screens support crisp-clear visualization and a high quality display.
- This enables you to create more attractive and distinguished applications for industry.

| Product Description                | Reference | Unit MRP [₹] |
|------------------------------------|-----------|--------------|
| 4.3" touch panel screen RS232C     | HMISTO705 | On Request   |
| 4.3" touch panel screen RS232C/485 | HMISTO715 | On Request   |
| 4.3" touch panel screen Ethernet   | HMISTO735 | On Request   |
| RTC battery set                    | HMIZSRTC1 | On Request   |

## Harmony STU - Cut-out free HMI



- Harmony STU panels are compact open panels offering greater communication capabilities. The high resolution touch screens, clever mounting system, and HMI software make them ideal for machine manufacturer solutions in industry and infrastructure
- No panel cut-out is required to install a Harmony STU small panel. All you need to do is drill a hole measuring 22 mm in diameter - just like installing a pushbutton. The front module (comprising the screen) is connected to the rear module (comprising the terminals and connectors) via this 22 mm drilled hole

| Product Description                 | Reference  | Unit MRP [₹] |
|-------------------------------------|------------|--------------|
| Touch Panel Screen 3*5 Color        | HMISTU655  | On Request   |
| Touch Panel Screen 5*7 Color        | HMISTU855  | On Request   |
| STU 3in5 without marking on overlay | HMISTU655W | On Request   |
| STU 5in7 without marking on overlay | HMISTU855W | On Request   |
| STU 3in5 front module               | HMIS65     | On Request   |
| STU 5in7 front module               | HMIS85     | On Request   |
| STU rear module                     | HMIS5T     | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Harmony GTO - Standard HMI



- Standard and Stainless HMI panels with 3.5" to 12.1" screen.
- Harmony GTO Standard HMI panels feature optimized information and communication technologies, which, depending on the model, include:
- High level of communication (embedded Ethernet, multilink, Web server and FTP,e-mail).
- External storage of data (SD memory card and USB memory stick) for storing production data and backing up applications.
- Management of peripherals: printers, etc.
- These panels offer an excellent level of technical performance designed principally for use by OEM customers.
- The Harmony GTO range has been designed in accordance with numerous standards, certifications and requirements:
  - Standards: EN 61131-2, 61000-6-2 and UL508,
  - Certifications: C-tick, GOST-R, KCC Atex and UL Hazardous location (pending), Marine certifications (pending).
  - Operating temperature: up to 55°C
  - Degree of protection (according to IEC 60529):
    - IP 65 for standard version products
    - IP 67 for standard version products fitted with a cover for harsh environments.
    - IP 66K for "Stainless Steel" version products
- Resistance to high-pressure cleaning (conforming to DIN 40050-9): up to 10 bar for "Stainless Steel" version products.

| Product Description                   | Reference     | Unit MRP [€] |
|---------------------------------------|---------------|--------------|
| 3.5 Color Touch Panel QVGA-TFT        | HMIGTO1300    | On Request   |
| 3.5 Color Touch Panel QVGA-TFT        | HMIGTO1310    | On Request   |
| 5.7 Color Touch Panel QVGA-TFT        | HMIGTO2300    | On Request   |
| 5.7 Color Touch Panel QVGA-TFT        | HMIGTO2310    | On Request   |
| 5.7 Color Touch Panel QVGA Stainless  | HMIGTO2315    | On Request   |
| 7.0 Color Touch Panel WVGA-TFT        | HMIGTO3510    | On Request   |
| 7.5 Color Touch Panel VGA-TFT         | HMIGTO4310    | On Request   |
| 10.4 Color Touch Panel VGA-TFT.       | HMIGTO5310    | On Request   |
| HMIGTO5310 Coated                     | HMIGTO5310FC  | On Request   |
| HMIGTO5310 coated and logo removed    | HMIGTO5310FCW | On Request   |
| HMIGTO5310 logo removed               | HMIGTO5310FW  | On Request   |
| 10.4 Color Touch Panel VGA Stainless  | HMIGTO5315    | On Request   |
| 12.1 Color Touch Panel SVGA-TFT       | HMIGTO6310    | On Request   |
| HMIGTO6310 Coated                     | HMIGTO6310FC  | On Request   |
| 12.1 Color Touch Panel SVGA Stainless | HMIGTO6315    | On Request   |

## Harmony SCU — Cut-out free HMI controller



The ultra-compact range of Harmony SCU HMI controllers are part of Schneider Electric's Flexible Machine Control concept, a key element in MachineStruxure™. The Harmony SCU HMI controllers offer brings together Human Machine Interface and control functions within a single product. This reduces the amount of equipment required and the associated costs throughout the life cycle of the machine. The Harmony SCU integrate, as standard, all their functions. They benefit, in particular, from the same innovation as the Harmony STU panels range: Mounting via a 22 mm diameter hole (pushbutton type) which considerably simplifies installation.

Of modular design, this range comprises:

- 2 complete Harmony SCU products for the control of simple machines, comprising:
  - A 3.5" or 5.7" 65 k color TFT Screen module
  - A Controller module with 16 integrated digital inputs/10 integrated digital outputs
- 2 complete Harmony SCU products for the control of simple processes, comprising:
  - A 3.5" or 5.7" 65 k color TFT Screen module.
  - A Controller module with 8 integrated digital inputs/8 integrated digital outputs and 4 integrated analog inputs/2 integrated analog outputs

| Product Description                     | Reference | Unit MRP [€] |
|---|-----------|--------------|
| 3.5 Small Controller Panel For Machine  | HMISCU6A5 | On Request   |
| 3.5 Small Controller Panel For Process  | HMISCU6B5 | On Request   |
| 5.7 Small Controller Panel For Machine. | HMISCU8A5 | On Request   |
| 5.7 Small Controller Panel For Porcess  | HMISCU8B5 | On Request   |
| Rear Module Small Controller Process    | HMISBC    | On Request   |
| Rear Module Small Controller Machine    | HMISAC    | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Advanced HMI panels for performance machines

## Harmony GTU — High performance modular HMI



### Supporting Software



Harmony GTU: W7", 10", W10", 12, W12", 15", W15", W19"



Box      Display      Tool-free mounting      Complete HMI



EcoStruxure Operator Terminal Expert



Vijeo Designer

- 8 sizes of high-resolution displays ranging from 7" to 19", either with modern 16:9 or standard 4:3 ratio
- 3 boxes, two with Real Time OS and one with fully open Windows based
- Up to 2 separate Ethernet ports, serial communication ports, and field bus options suiting IoT
- Industrial multi-touch and fully coated offer
- All memory removable for PC-free box replacements
- Wireless LAN enabled display
- Easy to install with integrated mounting fastener and antidrop lock
- Multi-display capability with Open box using DVI interface or multi-display adapter

## Harmony GTUX — eXtreme HMI



### Supporting Software



Harmony GTUX: W7", W12", W15"



Vijeo Designer

- A wide temperature range from -30...+70 °C /-22 ...+158 °F
- Sunlight Readable: High brightness LCD (1000 cd/m<sup>2</sup>), anti-glare surface
- Robustness: UV Protection, conformal coated (fully coated)
- Dust and water proof (IP66F, IP67F and UL50E Type 4X (Outdoor use))
- Environmental standard: Class 1, Div. 2, ATEX/IECEX Zone 2/22
- Variety of interfaces including dual Ethernet ports
- Modular design with stainless front face
- Suitable for industry segments like Oil & gas, Water and Waste Water (WWW) management

## Harmony GK — Keyboard HMI



### Supporting Software



Harmony GK: 5.7", 10.4"



Vijeo Designer

- Fine control inputs even in severe environment
- Touch screen and keypad keys configurable simultaneously or separately
- Highly robust with operating temperatures up to 55 °C /131 °F, reducing maintenance problems and time



## Harmony GTU — High performance modular HMI



Harmony GTU are universal panels that include smartphone-like interface and Wireless technology. They offer unmatched comfort of use with no compromise on performance and openness.

| Product Description              | Reference | Unit MRP [₹] |
|----------------------------------|-----------|--------------|
| Premium BOX for Universal Panel  | HMIG3U    | On Request   |
| Standard Box for Universal Panel | HMIG2U    | On Request   |
| Open BOX for Universal Panel     | HMIG5U2   | On Request   |
| Open BOX Universal Panel         | HMIG5U22  | On Request   |
| 7W Touch Advanced Display WVGA   | HMIDT351  | On Request   |
| 10W Touch Advanced Display WXGA  | HMIDT551  | On Request   |
| 10.4 Touch Smart Display SVGA    | HMIDT542  | On Request   |
| 12W Touch Advanced Display WXGA  | HMIDT651  | On Request   |
| 12.1 Touch Smart Display XGA     | HMIDT642  | On Request   |
| 15 Touch Smart Display XGA       | HMIDT732  | On Request   |
| 15W Touch Smart Display FWXGA    | HMIDT752  | On Request   |
| 19W Touch Smart Display FWXGA    | HMIDT952  | On Request   |

## Harmony GTUX — eXtreme outdoor HMI panels for harsh outdoor environment



- Harmony GTUX is a modularly designed robust terminal suitable for harsh outdoor environments. Features like high brightness and UV protection to direct sunlight, protection against water and dust, and supporting a wide range of temperatures make it an ideal choice for direct outdoor operation in O&G, WWW, and MMM segments.
- Harmony eXtreme panels can be used in applications like smart energy generation (solar, wind turbine, biomass, hydropower genset, etc.), hoisting, compressor, pumping, and car charging/washing.

| Product Description                     | Reference | Unit MRP [₹] |
|---|-----------|--------------|
| Extreme BOX                             | HMIG3X    | On Request   |
| 7W Touch eXtreme Display WVGA           | HMIDT35X  | On Request   |
| 12W Touch eXtreme Display WXGA          | HMIDT65X  | On Request   |
| 15W Touch eXtreme Display FWXGA         | HMIDT75X  | On Request   |
| Box Module Fixing Bracket for 7W        | HMIZXFIX1 | On Request   |
| Box Module Fixing Bracket for 12W & 15W | HMIZXFIX2 | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Harmony GK — Keyboard HMI



- Harmony HMI GK graphic terminals share technical characteristics with Harmony GTO to enhance the operator’s experience. Ultra-flexible, with two screen sizes (5”7 and 10”4), the Harmony HMI GK can be configured and controlled to precisely match your requirements.
- Designed to operate in severe environments, the Harmony HMI GK offers you optimum control on the keypad, as well as on the touch screen. The latest design is consistent with the Harmony USB keypad (HMIZKB1), ideal for keypad control on small Harmony panels

| Product Description       | Reference | Unit MRP [₹] |
|---------------------------|-----------|--------------|
| 5.7 Keypad Panel QVGA-TFT | HMIGK2310 | On Request   |
| 10.4 Keypad Panel VGA-TFT | HMIGK5310 | On Request   |

## Easy Harmony ET6

### Harmony ET6 - Essential touchscreen panels for simple machines



- Range from 7” to 15”, Easy Harmony ET6 is a robust and cost-effective touch screen panel that provides refined display, quick touch response and Ethernet capability. The Easy Harmony ET6 is designed with the secure development life-cycle (SDL) process and enhanced the Cybersecurity with secure boot and encrypted transfer.
- Target Segments: Packaging, HVAC, Pumping, Metal Working, Pharmacy, and other miscellaneous sectors of activities

| Product Description                   | Reference | Unit MRP [₹] |
|---------------------------------------|-----------|--------------|
| 7”W Easy Touch Panel, Ethernet model  | HMIET6400 | On Request   |
| 10”W Easy Touch Panel, Ethernet model | HMIET6500 | On Request   |
| 12”W Easy Touch Panel, Ethernet model | HMIET6600 | On Request   |
| 15”W Easy Touch Panel, Ethernet model | HMIET6700 | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Harmony Industrial PCs and Edge Box for line management

## Harmony P6 Industrial PCs - Drive efficiency and productivity at the Edge of EcoStruxure



### Supporting Software



Node-RED



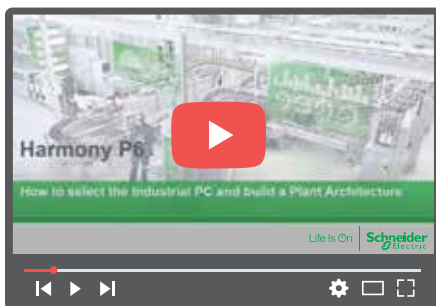
EcoStruxure Operator Terminal Expert



EcoStruxure Machine SCADA Expert



Harmony P6 Modular Box and Modular Display: 12", 15", W10", W12", W15", W19", W22"



How to select the Industrial PC and build a Plant Architecture Click to view the video

- HMIP6 <sup>(1)</sup>
  - Advanced Modular Box PC
    - Intel Core i5 up to 4.1 GHz or Intel Core i7 up to 4.4 GHz or Intel Celeron up to 2.0 GHz, UHD Graphics accelerator
    - 8 to 32 GB or 4 to 16 GB DDR4 RAM, 1x M.2 SSD SATA and 2x 2.5-inch SATA (HDD/SSD) storage slots
    - USB Type A (2x USB 2.0 and 2x USB 3.0), USB Type C (1x USB 3.0), 1x COM RS-232C, 2x RJ45 Ethernet, 1x Display port
    - 2x interface slots and optional extension module for 2x PCI/PCIe slots
    - Default TPM module for encryption
    - RAID HDD with Intel Rapid storage
  - Standard Modular Box PC
    - Intel Core i3 up to 3.9 GHz, UHD Graphics accelerator
    - 8 to 32 GB DDR4 RAM, 1x M.2 SSD SATA and 1x 2.5-inch SATA (HDD/SSD) storage slots
    - USB Type A (2x USB 2.0 and 2x USB 3.0), USB Type C (1x USB3.0), 1x COM RS-232C, 2x RJ45 Ethernet, 1x Display port
    - 2x interfaces slots
    - Default TPM module for encryption
- HMIDM6
  - 4:3 12" and 15" (XGA) color LCD resistive analog multi-touch (2 points) screen with 1x USB 2.0 (Type A), and front USB cover
  - 16:9 10" and 12" (WXGA)/15" (FWXGA)/19" and 21" (FHD) projected capacitive multi-touch (2 points) screen, 7H hardness, anti-scratch, 3 touch mode configuration
  - IP66, Nema 4X indoor front panel
  - All models are certified for CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201 <sup>(2)</sup>, and CSA C22.2 No. 213 <sup>(2)</sup>
  - All DC models are certified for IECEx/ATEX for use in Zone 2 gas/Zone 22 dust <sup>(2)</sup>, DNV

## Harmony FP6 — Industrial Flat Panel Monitors



Harmony HMIFP6: 12", 15", W10", W12", W15", W19", W22"

- HMIFP6
  - 4:3 12" and 15" (XGA) color LCD resistive analog multi-touch (2 points) screen with 1x USB 2.0 (Type A), and front USB cover
  - 16:9 10" and 12" (WXGA)/15" (FWXGA)/19" and 22" (FHD) projected capacitive multi-touch (2 points) screen, 7H hardness, anti-scratch, 3 touch mode configuration IP66, Nema 4X indoor front panel
  - All models are certified for e, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201 <sup>(3)(4)</sup>, and CSA C22.2 No. 213 <sup>(3)(4)</sup>, IECEx/ATEX for use in Zone 2 gas/Zone 22 dust <sup>(3)(4)</sup>

| Product Description                  | Reference    | Unit MRP [€] |
|--------------------------------------|--------------|--------------|
| FP6, 10w WXGA, PCAP, DVI, DC         | HMIFP6500WCD | On Request   |
| 12.1 XGA, Analog-Multi, DVI, DC      | HMIFP6600TMD | On Request   |
| FP6, 12w WXGA, PCAP, DVI, DC         | HMIFP6600WCD | On Request   |
| FP6, 15.0 XGA, Analog-Multi, DVI, DC | HMIFP6700TMD | On Request   |
| FP6, 15w FWXGA, PCAP, DVI, DC        | HMIFP6700WCD | On Request   |
| FP6, 19w Full HD, PCAP, DVI, DC      | HMIFP6800WCD | On Request   |
| FP6, 22w Full HD, PCAP, DVI, DC      | HMIFP6900WCD | On Request   |

(1) Available as Configured-to-order only and can be ordered using the online configurator.

(2) Available in Q4 2022.

(3) Available in Q4 2022.

(4) On the front panel when properly installed in an enclosure and not using the front panel USB port.

## EcoStruxure Operator Terminal Expert — Touchscreen configuration software



EcoStruxure Operator Terminal Expert



- Operate intuitively
  - Ability to go beyond the limitations of the physical screen size to improve productivity
  - Convert already created Landscape screens into Portrait screens for vertical scrolling and for screens that require many operation switches
- Reduce time to market
  - Efficient and intuitive engineering
  - For faster customization and modification
- Improve efficiency
  - High usability and image quality for the operator (experience design)
  - With Web Viewer feature, watch/operate the HMI screen remotely with mirroring function

## EcoStruxure Machine SCADA Expert - Lite SCADA for line management



EcoStruxure Machine SCADA Expert



- Save time
  - Quick and easy to install directly on our iPCs
  - Save days of testing and commissioning thanks to a fully tested and validated association
  - Tailored information at a glance using BI-Dashboard template
- Save money
  - Get peace of mind and save time and resources with our single point of contact for Hardware/Software/Operating System support
  - Access SCADA level software, with all its benefits, at a competitive cost/features ratio
- Connectivity and data management
  - Includes 250+ native communication drivers
  - Monitor and control remotely your application with Mobile Access, using a tablet or smartphone

**Note:** For Harmony HMIP6, EcoStruxure Machine SCADA Expert Runtime preinstalled version is available as an option in the online configurator.

## Vijeo Designer — Classic HMI configuration software



Vijeo Designer



- Multi-platform: from optimized panels to iPCs
- Multi-panel communication: automatic data sharing between up to 8 different panels
- Multi-language: 15 languages in runtime and 38 alphabets
- Multi-protocol: on COM and Ethernet ports
- Multi-access: local or remote display with WEB Gate, Vijeo Designer Air and Vijeo Designer Air Plus
- Multi-media: video/sound record/replay capability

## EcoStruxure Operator Terminal Expert - Touchscreen configuration software



- EcoStruxure Operator Terminal Expert allows you to create and edit application screens that control automation systems for Harmony GTU (Premium and Open Box)/STO color/ST6/STM6 terminals, and Harmony industrial PCs (Panel and Box).
- EcoStruxure Operator Terminal Expert features a modern and simple-to-use user interface, easy-to-access functions and information, and a multi-platform working environment. It also shortens design time by providing pre-made navigation framework.

| Product Description                     | Reference       | Unit MRP [₹] |
|---|-----------------|--------------|
| Operator Terminal Expert Basic, Email   | HMI EELCZLSPAZZ | On Request   |
| Operator Terminal Expert Group, Email   | HMI PELCZLSPAZZ | On Request   |
| Operator Terminal Expert Pro, Email     | HMI PELCZLSPAZZ | On Request   |
| Operator Terminal Expert Team, Email    | HMI PELCZLTPAZZ | On Request   |
| Operator Terminal Expert Fixed T, Email | HMI PEXCZLSRAZZ | On Request   |
| Operator Terminal Expert Runtime Email  | HMI RTWCZLSPAZZ | On Request   |
| EcoStruxure OTE WebGUI RT Single Paper  | HMI WRT001      | On Request   |
| EcoStruxure OTE WebGUI RT Group Paper   | HMI WRT010      | On Request   |
| EcoStruxure OTE WebGUI RT Entity Paper  | HMI WRT100      | On Request   |

## EcoStruxure Machine SCADA Expert - Lite SCADA for line management



- EcoStruxure Machine SCADA Expert enables you to use the key features of Microsoft operating system and build a full-featured SCADA or HMI project for your industrial automation business.
- EcoStruxure Machine SCADA Expert is designed in a modern, ribbon-based Windows interface to provide an integrated and user-friendly development environment.
- EcoStruxure Machine SCADA Expert supports capabilities like scripting, animation, E-mail, recipes, security, tags database, multi-touch, alarms, trends, scalability, multilanguage, FDA traceability, PDF export, graphics and design tools, and so on.
- For applications ranging from complex machine control and monitoring to plant supervision and SCADA, EcoStruxure Machine SCADA Expert with Harmony iPC association makes industrial operations smooth and stress-free.

| Product Description              | Reference        | Unit MRP [₹] |
|----------------------------------|------------------|--------------|
| EMSE 3 Party 1.5K Tag RT License | HMI EMSE3PRT1KA  | On Request   |
| EMSE 3 Party 32K Tag RT License  | HMI EMSE3PRT32KA | On Request   |
| EMSE 3 Party 4K Tag RT License   | HMI EMSE3PRT4KA  | On Request   |
| EMSE 3 Party 64K Tag RT License  | HMI EMSE3PRT64KA | On Request   |
| EMSE 1.5K Tag BT License         | HMI EMSEBT1KA    | On Request   |
| EMSE 32K Tag BT License          | HMI EMSEBT32KA   | On Request   |
| EMSE 4K Tag BT License           | HMI EMSEBT4KA    | On Request   |
| EMSE 64K Tag BT License          | HMI EMSEBT64KA   | On Request   |
| EMSE 1.5K Tag RT License         | HMI EMSERT1KA    | On Request   |
| EMSE 32K Tag RT License          | HMI EMSERT32KA   | On Request   |
| EMSE 4K Tag RT License           | HMI EMSERT4KA    | On Request   |
| EMSE 64K Tag RT License          | HMI EMSERT64KA   | On Request   |
| EMSE Thin Client                 | HMI EMSETCA      | On Request   |
| Vijeo XL USB Hard key            | HMI VXLUSBL      | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Vijeo Designer — Classic HMI configuration software



The cross-platform VijeoDesigner™ configuration software can be used to create operator dialogue applications for controlling automation systems for the following panels:

- Harmony STU (Vijeo Designer Limited Edition is sufficient)
- Harmony GTO
- Harmony GTU
- Harmony GTUX
- Harmony GK
- Magelis XBTGH portable
- Harmony Panel PCs and Box PCs (HMIBMP, HMIBMU, HMIPSP, HMIPSO, HMIPEP)
- Harmony P6

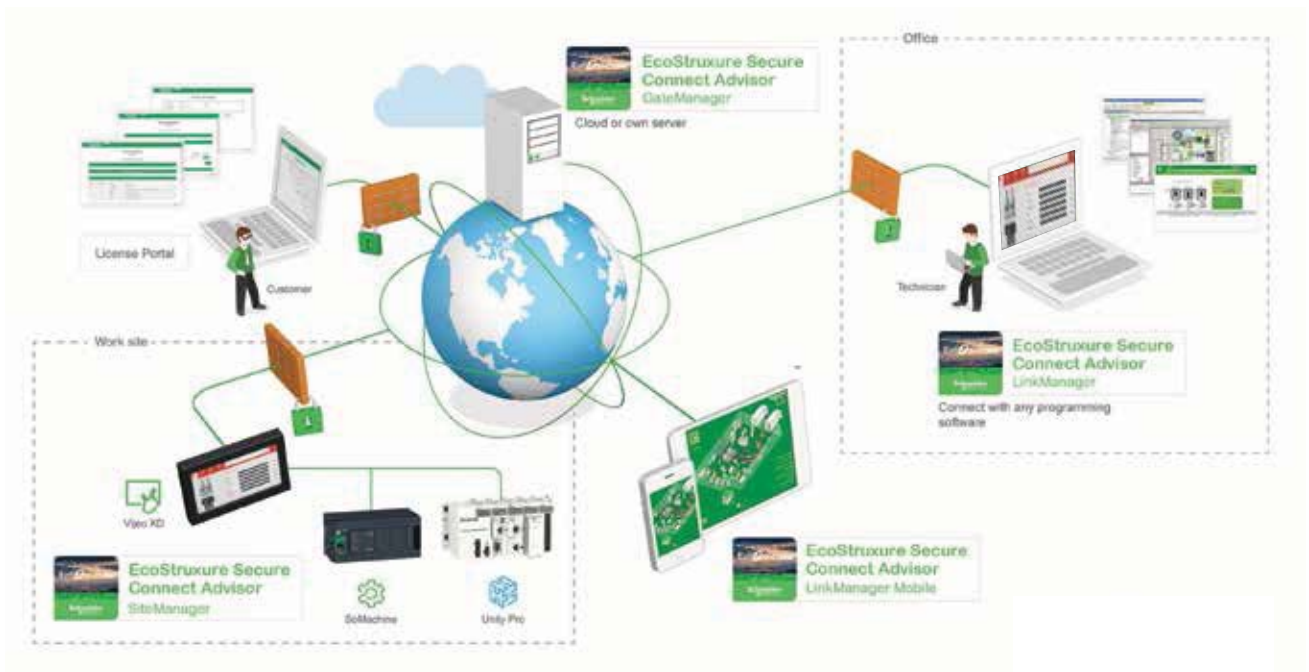
| Product Description                 | Reference      | Unit MRP [₹] |
|-------------------------------------|----------------|--------------|
| Vijeo Designer, Single License      | VJDSNDTGSV62M  | On Request   |
| VJD Runtime PC Single email         | VJDRPCCZLSPAZZ | On Request   |
| VJD Runtime Harmony PC Single email | VJDHPCCZLSPAZZ | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## EcoStruxure Secure Connect Advisor — Secure remote access solution



- Provides a secure connection between remote display units on the work site (via SiteManager Embedded) and computers or smart devices in the office (via LinkManager) over a secure central server (GateManager).
- With EcoStruxure Secure Connect Advisor, maintenance personnel can access Schneider Electric software and update it remotely and securely via the HMI, PLC, and other connected devices as if they were on site.
- Troubleshooting and repairs can be performed remotely upon request.

## EcoStruxure Augmented Operator Advisor - Augmented reality for instant diagnosis and contactless maintenance



EcoStruxure  
Augmented  
Operator Advisor



- Reduces downtime by opening electrical cabinet doors virtually and diagnosing the device status instantly in real-time without the need for lockout or electrical qualifications.
- Speeds up the efficiency of operations and maintenance by offering immediate access to relevant information in the field like real-time data, machine history, user manuals, instructions, diagrams, etc.
- Enables technicians to locate the right equipment and guides them step-by-step to complete the procedures.

## EcoStruxure Secure Connect Advisor - Secure remote access solution



EcoStruxure Secure Connect Advisor provides a secure connection between remote display units on the work site (via SiteManager Embedded) and computers or smart devices in the office (via LinkManager) over a secure central server (GateManager). With EcoStruxure Secure Connect Advisor, technicians and programmers can remotely access the Schneider Electric software and securely update it via the HMI, PLC, and other connected devices just as though they were present on site. Troubleshooting and repair can also be performed remotely upon request.

| Product Description                      | Reference     | Unit MRP [₹] |
|--|---------------|--------------|
| Vijeo Connect Link Manager License       | VJOCNTLML     | On Request   |
| Vijeo Connect Link Manager Mobile Lic    | VJOCNTLMM     | On Request   |
| Secure Connect Enterprise Pack           | VJOCNTPACKENT | On Request   |
| Secure Connect Essential Pack            | VJOCNTPACKESS | On Request   |
| Vijeo Connect Site Manager Basic License | VJOCNTSMBASIC | On Request   |
| Vijeo Connect Site Manager Ext 10 Lic    | VJOCNTSMEXT10 | On Request   |
| Vijeo Connect Site Manager Ext 5 Lic     | VJOCNTSMEXT5  | On Request   |
| Vijeo Connect User statistics            | VJOCNTSTAT    | On Request   |
| Vijeo Connect Gate Manager PremiumAccess | VJOCNTGMPREM  | On Request   |

## EcoStruxure Augmented Operator Advisor- Augmented reality for instant diagnosis and contactless maintenance



EcoStruxure Augmented Operator Advisor App interface

EcoStruxure Augmented Operator Advisor puts real-time information at your fingertips, whenever and wherever it is needed. The custom application improves operational efficiency with augmented reality, enabling operators to superimpose current data and virtual objects onto a cabinet, machine, or plant. This software combines contextual and local dynamic information for mobile users, enabling them to experience a fusion of the physical, real-life environment with virtual objects.

| Product Description                     | Reference      | Unit MRP [₹] |
|---|----------------|--------------|
| Augmented Operator Builder Performance  | AOABM3CZMSXAZZ | On Request   |
| AOA Builder Op Custom App Theme e-Lic   | AOABM3VZMSXAZZ | On Request   |
| Augmented Operator Builder Essential    | AOABS3CZSSXAZZ | On Request   |
| Augmented Operator Builder Ess Renewal  | AOAES3CZSSXAZZ | On Request   |
| AOA Builder Op Local Proj e-Lic         | AOALPJCZZSPAZZ | On Request   |
| Augmented Operator Builder Perf Renewal | AOAPM3CZMSXAZZ | On Request   |
| Augmented Operator RT Perf Level 1      | AOARM1CZMSPAZZ | On Request   |
| Augmented Operator RT Perf Level 2      | AOARM2CZMSPAZZ | On Request   |
| Augmented Operator RT Perf Level 3      | AOARM3CZMSPAZZ | On Request   |
| Augmented Operator RT Essential Level 1 | AOARS1CZSSPAZZ | On Request   |
| Augmented Operator RT Essential Level 2 | AOARS2CZSSPAZZ | On Request   |
| Augmented Operator RT Essential Level 3 | AOARS3CZSSPAZZ | On Request   |
| Augmented Operator RT Multi-areas       | AOARX3CZXSPAZZ | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023





# Green Premium™

An industry leading portfolio of offers delivering sustainable value



More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACh substance information
- Industry leading # of PEP's\*
- Circularity instructions



Discover what we mean by green  
**Check your products!**

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

#### CO2 and P&L impact through... Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO<sub>2</sub> emissions.

#### Cost of ownership optimization through... Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

#### Peace of mind through... Well-being Performance

Green Premium products are RoHS and REACh compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

#### Improved sales through... Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.



# TeSys

> Control > Protect > Power > Active

## Innovative and connected solutions for motor starters

TeSys is an innovative motor control and management solution from the global market leader. TeSys offers connected, efficient products and solutions for switching and protection of motors and electrical loads in compliance with all major global electrical standards

NEW

## TeSys Function Names

TeSys components are grouped by function name, for easier identification. These functions are related to motor, power, control and protection.

### > TeSys Power:

Components for powering motors



### > TeSys Control:

Components for controlling motors



### > TeSys Protect:

Components for protecting motors



### > TeSys Active:

Connected components for motor circuits





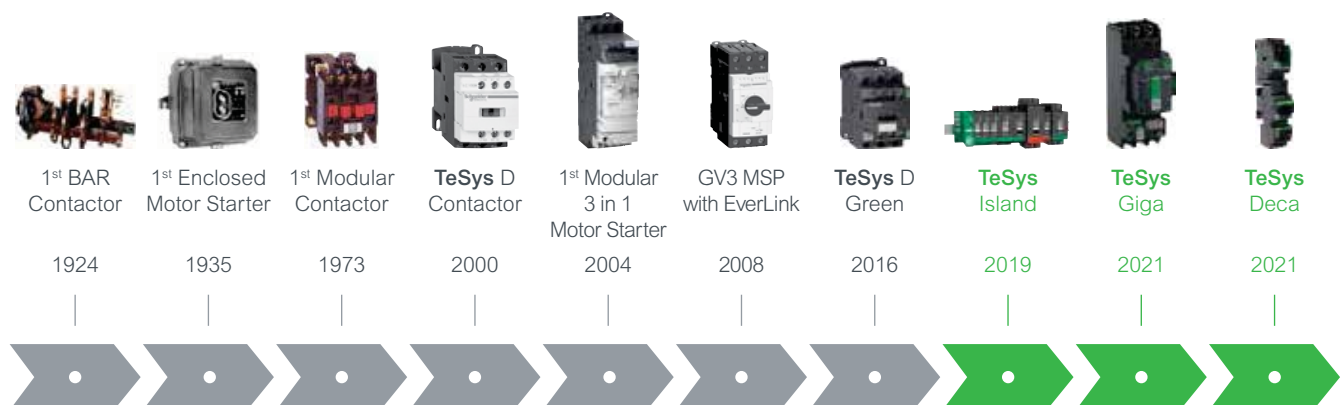
# Start smart. Run smart. With TeSys motor controls.

Stay smart with the world's best-selling motor control solutions from the inventor of the world's first contactor - Schneider Electric™.

For almost a century, TeSys motor controls have driven the industry with innovations in motor protection, monitoring, and control.

It started with the introduction of the industry's first BAR contactor in 1924, and today, the legacy of innovation is built into every TeSys motor control device. Best-in-class safety and reliability, plug-and-play architecture, and flexible functionality mean TeSys motor control solutions can meet your requirements across a wide range of applications, from the most common to the most advanced.

Wherever you are and anywhere your projects come together, you can trust Schneider Electric and TeSys cSontactors, circuit breakers, relays, and switches for unmatched reliability, complete compatibility with international standards, and the robust support of the Schneider Electric global supply network. Start smart, run smart and stay smart with TeSys motor controls.



How do everlinks improve power connection reliability?



For more information on switching and motor management scan!

# Superior safety for all industries

**TeSys** motor controls come with all of the isolation, protection and emergency handling you need to comply with international codes. High-contrast covers identify safety-critical devices to prevent inadvertent manual operation. Every **TeSys** contactor is both mechanically linked and equipped with mirror contacts for safety applications and wherever auxiliary contact state reliability is critical.



## HVAC

Ensure 24/7 availability of your HVAC system with reliable products that can reach high ambient temperatures without derating.



## Conveying

Decentralize the control cabinet of your conveyor line and benefit from up to 80% space reduction.



## Genset

Make certain your generator starts even in the harshest conditions with our robust solutions.



## Pumping

Optimize single or multi-drive boosters for industry or infrastructure with energy and cost-effective solutions.



## Packaging

Keep pace with the most demanding, high-end packing applications with our solutions



## Oil and Gas

Keep your employees and assets safe and improve uptime in onshore and offshore applications: pipeline operations: LNG and natural gas processing: and refining and petrochemical applications.



## Water and Wastewater

Optimize the treatment and delivery of safer water by reducing energy usage and lowering operating costs.



## Food and Beverage

Serve your customers with environmentally friendly products to improve sustainability, efficiency, and flexibility, allowing you to adapt to changing customer habits.

## Online selection tool

### EcoStruxure™ Motor Control Configurator

For Direct-On-Line and Star-Delta starters, motor circuit breakers with advanced protection, motor management relays, configurations for total coordination, drives, and soft starters.

No matter what kind of starting method you need, our online **EcoStruxure™ Motor Control Starter Configurator** will help you to quickly and easily select the optimal combination of components to ensure maximized motor safety, protection, and uptime.



Scan or click on the QR code

# TeSys Range

NEW

## TeSys Component Series Names

Series names are now grouped as per the current ratings

- Series names group conventional components (circuit breakers, contactors, relays, overcurrent relays) by current rating ranges.
  - 0 to 16 A > **TeSys K Series**
  - 9 to 150 A > **TeSys 'Deca' Series**
  - 185 to 800 A > **TeSys 'Giga' Series**.
- TeSys advanced components have a specific classification.
  - 0 to 38 A All-in-one starters > **TeSys 'Ultra' Series**
  - 0 to 80 A Motor Control/Protection/Monitoring system > **TeSys 'island' Series**.
- Other TeSys component names remain unchanged (TeSys F, TeSys B, TeSys T).

### > TeSys K Series

The essential line for motors up to 7.5kW/16A direct on TeSys K series of Motor Starters



### > TeSys Deca Series

The industrial standard for motors up to 75kW/150A direct on TeSys Deca series of Motor Starters



### > TeSys Giga Series

For large motors up to 450kW/800A direct on TeSys Giga Series



### > TeSys Ultra Series

The most compact totally coordinated solution for Motor Starters. For Direct On Line or Reversing Motor Control and Drive Protection upto 18.5kW/38 A on TeSys Ultra series



### > TeSys Island Series

Digitally powered monitoring, control and protection of electrical motors up to 37kW/80 A on TeSys Island Series



# TeSys Control

## TeSys K

### Control Relays - K Model (AC & DC Control)



- Conformance IEC, UL, CSA, CE Marking
- Inbuilt 4 auxiliary contacts
- 10A thermal rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options

| No of Poles | AC Control Reference | Unit MRP [₹] | DC Control Reference (4) | Unit MRP [₹] | DC low consumption Reference (1) (2) (3) | Unit MRP [₹] |
|-------------|----------------------|--------------|--------------------------|--------------|--|--------------|
| 2NO + 2NC   | CA2KN22*             | 1700         | CA3KN22**                | 2345         | CA4KN22***                               | 2905         |
| 3NO + 1NC   | CA2KN31*             |              | CA3KN31**                |              | CA4KN31***                               |              |
| 4NO         | CA2KN40*             | CA4KN40***   |                          |              |  |              |

(1) Compatible with PLC outputs

(2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard

(3) 2 pole auxiliary contact block can be mounted additionally

(4) Optional in-built surge suppressor available

### Power Contactors - K Model (3 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 6A to 16A, AC-3 duty
- 1NO or 1NC inbuilt auxiliary contact
- Available in 3P & 4P version
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption<sup>(5)</sup> coil options

| [Ie] Rated Operational Current (A) | Motor Power (kW) | Auxiliary Contacts | AC Control Reference | Unit MRP [₹] | DC Control Reference <sup>(5)</sup> | Unit MRP [₹] |
|------------------------------------|------------------|--------------------|----------------------|--------------|-------------------------------------|--------------|
| 6                                  | 3                | 1NC                | LC1K0601*            | 1430         | LP1K0601**                          | 2210         |
|                                    |                  | 1NO                | LC1K0610*            |              | LP1K0610**                          |              |
| 9                                  | 5.5              | 1NC                | LC1K0901*            | 1495         | LP1K0901**                          | 2405         |
|                                    |                  | 1NO                | LC1K0910*            |              | LP1K0910**                          |              |
| 12                                 | 7.5              | 1NC                | LC1K1201*            | 1690         | LP1K1201**                          | 2790         |
|                                    |                  | 1NO                | LC1K1210*            |              | LP1K1210**                          |              |
| 16                                 | 10               | 1NC                | LC1K1601*            | 1995         | -                                   | -            |
|                                    |                  | 1NO                | LC1K1610*            |              | -                                   | -            |

(5) For low consumption offer, please contact regional sales office

### Reversing Contactors - K Model



- Conformance to IEC, UL, CSA, CE
- Current Rating : 6A to 16A, AC-3 duty
- 1NO or 1NC inbuilt auxiliary contact
- Available in 3P & 4P version
- Available with AC(50/60Hz Dual frequency), DC & DC low consumption<sup>(6)</sup> coil options

| [Ie] Rated Operational Current (A) | Motor Power (kW) | Auxiliary Contacts | AC Control Reference | Unit MRP [₹] |
|------------------------------------|------------------|--------------------|----------------------|--------------|
| 6                                  | 3                | 1NC                | LC2K0601*            | 4755         |
|                                    |                  | 1NO                | LC2K0610*            |              |
| 9                                  | 5.5              | 1NC                | LC2K0901*            | 5075         |
|                                    |                  | 1NO                | LC2K0910*            |              |
| 12                                 | 7.5              | 1NC                | LC2K1201*            | 5230         |
|                                    |                  | 1NO                | LC2K1210*            |              |
| 16                                 | 10               | 1NC                | LC2K1601*            | 7030         |
|                                    |                  | 1NO                | LC2K1610*            |              |

\* Reference to be completed by adding coil voltage code

(6) For current rating and ref please contact Customer Care

### Coil Voltage Code

| Type                  | Voltage                        | 24  | 48  | 72  | 110 | 220 | 415 |
|-----------------------|--------------------------------|-----|-----|-----|-----|-----|-----|
| AC*                   | CA2KN, LC1-K06 to K16, 50/60Hz | B7  | -   | -   | F7  | M7  | N7  |
|                       | LC2-K06 to K16, 50/60Hz        | -   | -   | -   | F7  | M7  | N7  |
| DC**                  | CA3KN, LP1-K06 to K12          | BD  | -   | -   | FD  | MD  | -   |
| DC low consumption*** | CA4KN                          | BW3 | EW3 | SW3 | -   | -   | -   |

**Note:** (1) For Non standard coil voltage (Except 110, 240 V AC and 24 V DC) prices please contact customer care.

(2) Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team rating.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys K

### Accessories - K Model

| Description             | Mounting | Contacts  | Reference                                   | Unit MRP [₹] |
|-------------------------|----------|-----------|---|--------------|
| Auxiliary contact block | Front    | 2NC       | LA1KN02                                     | 770          |
|                         |          | 1NO + 1NC | LA1KN11 <input checked="" type="checkbox"/> | 705          |
|                         |          | 2NO       | LA1KN20                                     | 770          |
|                         |          | 4NC       | LA1KN04                                     | 1190         |
|                         |          | 1NO + 3NC | LA1KN13                                     |              |
|                         |          | 2NO + 2NC | LA1KN22 <input checked="" type="checkbox"/> |              |
|                         |          | 3NO + 1NC | LA1KN31                                     |              |
|                         |          | 4NO       | LA1KN40                                     |              |

| Description               | Control Voltage | Range  | Reference               | Unit MRP [₹] |
|---------------------------|-----------------|--------|-------------------------|--------------|
| On Delay Electronic Timer | 24..48V AC/DC   | 1..30S | LA2KT2E <sup>(1)</sup>  | 3890         |
|                           | 110..240V AC    | 1..30S | LA2KT2UA <sup>(1)</sup> |              |

| Description                   | Coil Voltage    | Reference | Unit MRP [₹] |
|-------------------------------|-----------------|-----------|--------------|
| Surge Suppressor - RC Circuit | 220..250V AC    | LA4KA1U*  | 1215         |
| Surge Suppressor - Varistor   | 130..250V AC/DC | LA4KE1UG* |              |
| Surge Suppressor - Varistor   | 50..129V AC/DC  | LA4KE1FC* |              |

\* Lot size 5

(1) Front mounted with common point changeover contact

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

The next-generation TeSys Deca series motor starters offer a reliable and robust solution for a faster machine time-to-market. It has a new modern look & feel and is designed to meet the requirements of Electro domestic applications. Ease of operation and reliability is guaranteed with the new multi-standard screws. Digital customer experience is enhanced with a QR embedded from product to packaging.

### TeSys Deca Control Contactors (AC & DC Control)



- Conformance to IEC, UL, CSA
- 5 inbuilt auxiliary contacts, in just 2 variants
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature upto 60 Deg C
- Inbuilt surge suppressor for DC & DC low consumption

| No of Poles | AC Control Reference | Unit MRP [₹] | DC Control Reference <sup>(2)</sup> | Unit MRP [₹] | DC low consumption Reference <sup>(1) (2) (3)</sup> | Unit MRP [₹] |
|-------------|----------------------|--------------|-------------------------------------|--------------|---|--------------|
| 3NO + 2NC   | CAD32*               | 1810         | CAD32**                             | 2590         | CAD32***  | 3240         |
| 5NO         | CAD50*               |              | CAD50**                             |              | CAD50***  |              |

(1) Compatible with PLC outputs

(2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard

(3) 2 pole auxiliary block can be mounted

### TeSys Deca Power Contactors (3P AC & DC)



- Conformance to IEC, UL, CSA
- Current Rating : 9A to 150A
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature, no derating upto 60 Deg C
- Inbuilt 1NO + 1NC auxiliary contacts upto 150A
- High electrical and mechanical life
- Fuse-less Type 2 Co-ordination Charts available
- EverLink® terminal for 40, 50, 65 & 80A contactors
- Inbuilt surge suppressor in DC coil for 9-80A

| [le] Rated Operational Current AC-1 | AC-3 Duty |      |     | Auxiliary Contacts | AC Control Reference                         | Unit MRP [₹] | DC Control Reference <sup>(1)</sup>          | Unit MRP [₹] |
|-------------------------------------|-----------|------|-----|--------------------|--|--------------|--|--------------|
|                                     | kW        | HP   | A   |                    |  |              |  |              |
| 25                                  | 4         | 5.5  | 9   | 1NO + 1NC          | LC1D09* <input checked="" type="checkbox"/>  | 1815         | LC1D09** <input checked="" type="checkbox"/> | 2865         |
|                                     | 5.5       | 7.5  | 12  | 1NO + 1NC          | LC1D12* <input checked="" type="checkbox"/>  | 2040         | LC1D12** <input checked="" type="checkbox"/> | 3225         |
| 32                                  | 9         | 12.5 | 18  | 1NO + 1NC          | LC1D18* <input checked="" type="checkbox"/>  | 2370         | LC1D18** <input checked="" type="checkbox"/> | 3970         |
| 40                                  | 11        | 15   | 25  | 1NO + 1NC          | LC1D25* <input checked="" type="checkbox"/>  | 2930         | LC1D25** <input checked="" type="checkbox"/> | 5020         |
| 50                                  | 15        | 20   | 32  | 1NO + 1NC          | LC1D32* <input checked="" type="checkbox"/>  | 5700         | LC1D32** <input checked="" type="checkbox"/> | 10235        |
|                                     | 18.5      | 25   | 38  | 1NO + 1NC          | LC1D38* <input checked="" type="checkbox"/>  | 8220         | LC1D38** <input checked="" type="checkbox"/> | 12095        |
| 60                                  | 22        | 30   | 40  | 1NO + 1NC          | LC1D40A* <input checked="" type="checkbox"/> | 8625         | LC1D40A#                                     | 14490        |
| 80                                  | 25        | 35   | 50  | 1NO + 1NC          | LC1D50A* <input checked="" type="checkbox"/> | 11240        | LC1D50A#                                     | 18180        |
| 80                                  | 37        | 50   | 65  | 1NO + 1NC          | LC1D65A* <input checked="" type="checkbox"/> | 15595        | LC1D65A#                                     | 20615        |
| 80                                  | 37        | 50   | 80  | 1NO + 1NC          | LC1D80A* <input checked="" type="checkbox"/> | 19490        | LC1D80A#                                     | 25025        |
| 125                                 | 45        | 60   | 80  | 1NO + 1NC          | LC1D80* <input checked="" type="checkbox"/>  | 23585        | LC1D80**                                     | 28000        |
|                                     | 45        | 60   | 95  | 1NO + 1NC          | LC1D95* <input checked="" type="checkbox"/>  | 25100        | LC1D95**                                     | 30685        |
| 250                                 | 59        | 80   | 115 | 1NO + 1NC          | LC1D115* <input checked="" type="checkbox"/> | 30890        | LC1D115**                                    | 36265        |
|                                     | 80        | 110  | 150 | 1NO + 1NC          | LC1D150* <input checked="" type="checkbox"/> | 38615        | LC1D150**                                    | 43520        |

\* Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# TeSys Control

## TeSys Deca

### TeSys Deca Power Contactors (3 Pole DC Low Consumption)

Now available upto 80A with the TeSys Deca Green Low Consumption offer

| [Ie] Rated Operational Current AC-1 | kW  | Motor Power AC-3 HP | A  | Auxiliary Contacts | Reference                                      | Unit MRP [₹] |
|-------------------------------------|-----|---------------------|----|--------------------|--|--------------|
| 25                                  | 4   | 5.5                 | 9  | 1NO + 1NC          | LC1D09**** <input checked="" type="checkbox"/> | 3145         |
|                                     | 5.5 | 7.5                 | 12 | 1NO + 1NC          | LC1D12**** <input checked="" type="checkbox"/> | 3520         |
| 32                                  | 9   | 12.5                | 18 | 1NO + 1NC          | LC1D18**** <input checked="" type="checkbox"/> | 5380         |
| 40                                  | 11  | 15                  | 25 | 1NO + 1NC          | LC1D25**** <input checked="" type="checkbox"/> | 6555         |
| 50                                  | 15  | 20                  | 32 | 1NO + 1NC          | LC1D32**** <input checked="" type="checkbox"/> | 11210        |

| [Ie] Rated Operational Current AC-1 | kW | Motor Power AC-3 HP | A  | Auxiliary Contacts | Reference | Unit MRP [₹] |
|-------------------------------------|----|---------------------|----|--------------------|-----------|--------------|
| 60                                  | 22 | 30                  | 40 | 1NO + 1NC          | LC1D40A#  | 14490        |
| 80                                  | 25 | 35                  | 50 | 1NO + 1NC          | LC1D50A#  | 18180        |
| 80                                  | 37 | 50                  | 65 | 1NO + 1NC          | LC1D65A#  | 20615        |
| 80                                  | 37 | 50                  | 80 | 1NO + 1NC          | LC1D80A#  | 25025        |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### TeSys Deca Power Contactors (4 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 20A to 250A, AC-1 Rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption (1) coil options
- High Operating ambient temperature, no derating upto 60 deg C

| [Ie] Rated Operational Current AC-1 | Poles Composition | AC Control Reference | Unit MRP [₹] | DC Control Reference | Unit MRP [₹] |
|-------------------------------------|-------------------|----------------------|--------------|----------------------|--------------|
| 20                                  | 4NO               | -                    | -            | LC1DT20**            | 3450         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D098**            | 3755         |
| 25                                  | 4NO               | -                    | -            | LC1DT25**            | 4140         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D128**            | 5405         |
| 32                                  | 4NO               | -                    | -            | LC1DT32**            | 4550         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D188**            | 6155         |
| 40                                  | 4NO               | -                    | -            | LC1DT40**            | 7135         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D258**            | 9405         |
| 60                                  | 4NO               | -                    | -            | LC1DT60A#            | 14280        |
|                                     | 2NO + 2NC         | -                    | -            | LP1D40008**          | 18765        |

| [Ie] Rated Operational Current AC-1 | Poles Composition | AC Control Reference | Unit MRP [₹] | DC Control Reference | Unit MRP [₹] |
|-------------------------------------|-------------------|----------------------|--------------|----------------------|--------------|
| 80                                  | 4NO               | -                    | -            | LC1DT80A#            | 21300        |
|                                     | 2NO + 2NC         | -                    | -            | LP1D65008**          | 25225        |
| 125                                 | 4NO               | -                    | -            | LP1D80004**          | 27325        |
|                                     | 2NO + 2NC         | -                    | -            | LP1D80008**          | 31530        |
| 250                                 | 4NO               | LC1D1150046*         | 34440        | LC1D1150046**        | 38260        |

\* Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

### Coil Voltage Code

| Type                  | Voltage   | 24 | 48 | 72 | 110 | 220 | 415 |
|-----------------------|---|----|----|----|-----|-----|-----|
| AC*                   | CAD, LC1D09-D150 50/60 Hz                       | B7 | -  | -  | F7  | M7  | N7  |
|                       | LC1D1150046 50/60 Hz                            | -  | -  | -  | F7  | M7  | N7  |
| DC**                  | CAD, LC1D09-D38, LC1D80-D150                    | BD | -  | -  | FD  | MD  | -   |
|                       | LC1DT20-DT40, LC1D098-D258, LP1D40-D80, LC1D115 | BD | -  | -  | FD  | MD  | -   |
| DC Low Consumption*** | CAD   | BL | -  | -  | FL  | ML  | -   |
|                       | LC1D09-D32                                      | BL | EL | SL | -   | -   | -   |

| Type              | Voltage                     | 24V DC Low consumption | 24-60V AC/DC | 48-130V AC/DC | 100-250V AC/DC |
|-------------------|-----------------------------|------------------------|--------------|---------------|----------------|
| TeSys Deca Green# | LC1D40A-80A, LC1DT60A-DT80A | BBE                    | BNE          | EHE           | KUE            |

**Note:** Please contact Customer Care for 4 Pole AC coil contactor details

For Non standard coil voltage prices please contact customer care

(1) For current rating and ref please contact Customer Care

(2) Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# TeSys Deca Green

## The Revolutionary Electronic Coil Contactor



Complete range in 3 frame sizes:

09-12-18A

25-32-38A

40-50-65-80A

 -80%

Up to 80% less energy consumption than a traditional electromechanical motor starter

10X Reduction  
in references

Only 3 references to cover the complete voltage range for AC and DC

 -35%

Highest currents in smallest size, e.g.

PLC Compatible

Direct connection to a PLC without the need for an interposing relay

SEMIF47

High uptime thanks to wide band coil with high resistance to voltage surges/SEMIF47 conform



Scan to see TeSys Deca Green under voltage performance.

# TeSys Control

## TeSys Deca

### TeSys Deca Green Contactor (3 Pole AC/DC Universal Coil)



- Current Rating: 9-65A
- Universal AC/DC coil from 24 - 250V
- Special low consumption offer from 40-80A
- Fuseless Type 2 Co-ordination charts available

### The Revolutionary Electronic Coil Contactor

| [Ie] Rated<br>Operational Current AC-1 | AC-3 Duty (Long Life) |      |    | Auxiliary<br>Contacts | Reference | Unit MRP<br>[₹] |
|--|-----------------------|------|----|-----------------------|-----------|-----------------|
|  | kW                    | HP   | A  |                       |           |                 |
| 25                                     | 4                     | 5.5  | 9  | 1NO + 1NC             | LC1D09*   | 3735            |
|  | 5.5                   | 7.5  | 12 | 1NO + 1NC             | LC1D12*   | 3870            |
| 32                                     | 9                     | 12.5 | 18 | 1NO + 1NC             | LC1D18*   | 5110            |
| 40                                     | 11                    | 15   | 25 | 1NO + 1NC             | LC1D25*   | 6100            |
| 50                                     | 15                    | 20   | 32 | 1NO + 1NC             | LC1D32*   | 12395           |
|  | 18.5                  | 25   | 38 | 1NO + 1NC             | LC1D38*   | 13375           |
| 60                                     | 22                    | 30   | 40 | 1NO + 1NC             | LC1D40A*  | 14490           |
| 80                                     | 25                    | 35   | 50 | 1NO + 1NC             | LC1D50A*  | 18180           |
| 80                                     | 37                    | 50   | 65 | 1NO + 1NC             | LC1D65A*  | 20615           |

### TeSys Deca Green Power Contactors (4 Pole AC & DC Control)

| [Ie] Rated<br>Operational Current AC-1 | Poles Composition | Auxiliary Contacts | DC Control<br>Reference | Unit MRP<br>[₹] |
|--|-------------------|--------------------|-------------------------|-----------------|
| 60                                     | 4NO               | 1NO + 1NC          | LC1DT60A*               | 14280           |
| 80                                     | 4NO               | 1NO + 1NC          | LC1DT80A*               | 21300           |

### Coil Voltage Code

| Type                    | Voltage   | 24-60V AC/DC      | 48-130V AC/DC | 100-250V AC/DC |
|-------------------------|---|-------------------|---------------|----------------|
| AC/DC*                  | LC1D09 - D38,<br>LC1D40A - 80A,<br>LC1DT60A - 80A | BNE               | EHE           | KUE            |
| 24V DC Low Consumption* | LC1D40A - 80A,<br>LC1DT60A - 80A                  | BBE (24V DC only) | -             | -              |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team



Check the features of  
the TeSys Deca Green

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

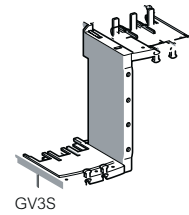
| Description  | For use with  | Reference              | Unit MRP [₹] |
|--|---|------------------------|--------------|
| <b>Power connection accessories</b>                |   |                        |              |
| Terminal block                                     | For supply to one or more GV2 G busbar sets                         | GV1G09                 | 2235         |
| Set of 63A busbars for parallelling of contactors  | 2 contactors LC1D09...D18 or D25...D38                              | GV2G245                | 2165         |
|  | 4 contactors LC1D09...D18 or D25...D38                              | GV2G445                | 3405         |
| Set of 115A busbars for parallelling of contactors | 2 contactors LC1D40A...D80A   | GV3G264                | 3890         |
|  | 3 contactors LC1D40A...D80A   | GV3G364 <sup>(1)</sup> | 2080         |
| Set of S-shape busbars                             | For circuit breakers GV3P** & GV3L** and contactors LC1 D40A...D65A | GV3S                   | 1555         |

\*\*Not applicable for GV3P/GV3L 73A and 80A

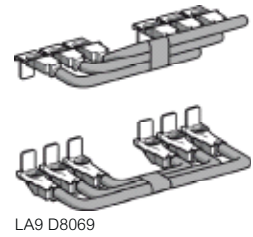


| Description          | For use with                               | Reference | Unit MRP [₹] |
|----------------------|--|-----------|--------------|
| Mechanical interlock | LC1D09 to D38(1)                           | LAD9V2    | 795          |
|                      | LC1D40A to D65A(1)                         | LAD4CM    | 1620         |
|                      | LC1D80 and D95 ( for AC control voltage)   | LA9D4002  | 3545         |
|                      | LC1D80 and D95 (for DC control voltage)(2) | LA9D8002  | 5280         |
|                      | LC1D115 and D150(2)                        | LA9D11502 | 5355         |

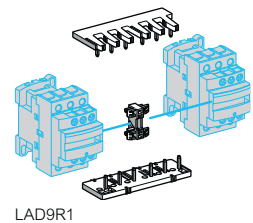
(1) With this set of busbars, any one contactor can be supplied directly by its EverLink® double cage power terminal block. The other two contactors are supplied by the busbar set. The 115A limitation is therefore applied to these two contactors.  
 (2) With electrical interlock



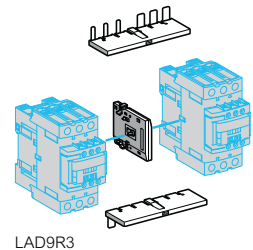
| Description                           | For use with                             | Reference | Unit MRP [₹] |
|---------------------------------------|--|-----------|--------------|
| <b>Power Connection for Reversing</b> |  |           |              |
| Kit Comprising :                      |  | LAD9V5    | 660          |
| 1. A set of parallel bars             | LC1D09 to D38                            | LAD9V6    | 825          |
| 2. A set of reverser bars.            | LC1D40A to D80A                          | LA9D65A69 | 3445         |
|                                       | LC1D80 and D95 ( for AC control voltage) | LA9D8069  | 7370         |
|                                       | LC1D80 and D95 (for DC control voltage)  | LA9D8069  | 7370         |
|                                       | LC1D115 and D150                         | LA9D11569 | 12260        |



| Description   | For use with    | Reference | Unit MRP [₹] |
|---|-----------------|-----------|--------------|
| <b>Reversing Kit</b>  |                 |           |              |
| Kit Comprising :  |                 |           |              |
| 1. A mechanical interlock LAD 9V2 with electrical interlocking LAD 9V1    | LC1D09 to D38   | LAD9R1V   | 1655         |
| 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing). |                 |           |              |
| Kit Comprising :  |                 |           |              |
| 1. A mechanical interlock LAD 9V2 without electrical interlocking         | LC1D09 to D38   | LAD9R1    | 1640         |
| 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing). |                 |           |              |
| Kit Comprising :  |                 |           |              |
| 1. A mechanical interlock LAD 4CM   | LC1D40A to D80A | LAD9R3    | 3930         |
| 2. A set of power connections LA9 D65A69.                                 |                 |           |              |



| Description  | For use with     | Reference | Unit MRP [₹] |
|--|------------------|-----------|--------------|
| <b>Star Delta Kit</b>  |                  |           |              |
| Time delay contact block LAD S2 (LC1D09...D80),                              | LC1D09 and D12   | LAD91217  | 6215         |
| Power circuit connections (LC1D09...D80),                                    | LC1D18 to D32    | LAD93217  | 7995         |
| Hardware required for fixing the contactors onto the mounting plate (LC1D80) | LC1D40A and D50A | LAD9SD3   | 16155        |
|  | LC1D80           | LA9D8017  | 17940        |



Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

| Description  | Time Delay Range | Timer Type | Reference | Unit MRP [₹] |
|--|------------------|------------|-----------|--------------|
| On delay timer <sup>(1) (2)</sup>                  | 15...30 s        | on delay   | LA4DT2U   | 5965         |
| On delay timer <sup>(1) (2)</sup>                  | 0.1...2 s        | on delay   | LA4DT0U   |              |
| On delay timer <sup>(1) (2)</sup>                  | 25...500 s       | on delay   | LA4DT4U   | 6685         |
| Relay interface module - 24V DC <sup>(1) (2)</sup> | -                | -          | LA4DFB    | 5495         |

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3.

(2) For LC1D80...150 (3P), direct mounting, for 100-250V AC Coils only.

| Description                                     | For use with   | Reference | Unit MRP [₹] |
|---|--|-----------|--------------|
| <b>TeSys Deca Model Mechanical Latch Blocks</b> |  |           |              |
| Front, Clip-on                                  | LC1D09...D38 (a or c)<br>LC1DT20...DT40 (a or c)<br>LC1D40A...D65A (3P a or c)<br>LC1DT60A and DT80A (4P a or c)           | LAD6K10*  | 7170         |
|   | LC1D80...D150 (3P a)<br>LC1D80 and D115 (3 P c)<br>LC1D80 (4 P a)<br>LC1D80 and D115 (4 P a)<br>LP1D80 and LC1D115 (4 P c) | LA6DK20*  | 7485         |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### Coil Voltage Code

| VOLTAGE (AC/DC) | 24 | 42/48 | 110/127 | 220/240 | 380/415 |
|-----------------|----|-------|---------|---------|---------|
| Code            | B  | E     | F       | M       | Q       |

### Spare Coils TeSys Deca Model

| Product Compatibility                 | Reference |
|---------------------------------------|-----------|
| <b>AC Coils</b>                       |           |
| CAD, LC1-D09...D38, DT20..40          | LXD1*     |
| LC1D40A, D50A, D65A & LC1DT60A, DT80A | LXD3*     |
| D80 & D95 (3P & 4P)                   | LX1D6*    |
| LC1-D115, D150                        | LX1D8*    |
| <b>DC Coils</b>                       |           |
| LC1-D80-D95                           | LX4D7**   |
| LC1-D115, D150                        | LX4D8**   |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### Coil Voltage Code

| Type | Voltage (V)  | 24 | 110 | 220 | 415 |
|------|--|----|-----|-----|-----|
| AC*  | CAD, LC1-D09...D38, DT20..40, LC1 - D150, LC1D40A, D50A, D65A & LC1DT60A, DT80A, LC1D150 LC1D80, D95, D115 | B7 | F7  | M7  | N7  |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Accessories

| Description                                       | For use With              | Contacts      | Reference | Unit MRP [₹] |      |
|---|---------------------------|---------------|-----------|--------------|------|
| <b>Add On Blocks</b>                              |                           |               |           |              |      |
| Additional instantaneous auxiliary contact blocks | LC1D09 ...LC1D150 & LC1F* | Front Mounted | 1NO + 1NC | LADN11       | 535  |
|   |                           |               | 2NO       | LADN20 ✓     |      |
|   |                           |               | 2NC       | LADN02       | 845  |
|   |                           |               | 2NO + 2NC | LADN22 ✓     | 965  |
|   |                           |               | 4NC       | LADN04       | 1400 |
|   |                           |               | 4NO       | LADN40 ✓     | 965  |
|   | 1NO + 3NC                 | LADN13        |           |              |      |
|   | LC1D80..LC1D95 & LC1F     | Front Mounted | 1NO       | LADN10       | 470  |
|   |                           |               | 1NC       | LADN01       |      |

| Description                                       |                             | Contacts            | Reference | Unit MRP [₹] |
|---|-----------------------------|---------------------|-----------|--------------|
| <b>Add On Blocks</b>                              |                             |                     |           |              |
| Additional instantaneous auxiliary contact blocks | Side Mounted <sup>(1)</sup> | 1NO + 1NC           | LAD8N11   | 2020         |
|   |                             | 2NO                 | LAD8N20   |              |
| Pneumatic timer blocks front mounted              | ON delay                    | 1NO + 1NC 0.1..3s   | LADT0     | 3845         |
|   |                             | 1NO + 1NC 0.1..30s  | LADT2     |              |
|   |                             | 1NO + 1NC 10..180s  | LADT4     | 4105         |
|   | 1NO + 1NC 1..30s (2)        | LADS2 ✓             |           |              |
|   | 1NO + 1NC 0.1 ..3s          | LADR0               | 3845      |              |
|   | OFF delay                   | 1NO + 1NC 0.1 ..30s |           | LADR2 ✓      |
| 1NO + 1NC 10..180s                                |                             | LADR4               |           |              |

(1) Suitable for mounting on TeSys Deca range AC Coil Contactors and Control Relays only

(2) With Switching time of 40 ms between opening of the NC contact and closing of the NO contact recommended for Star - Delta Starters

### Accessories compatibility

| Contactors        |                          | Instantaneous Auxiliary Contacts |                         |           |            |       | Time delay Front Mounted |      |
|-------------------|--------------------------|----------------------------------|-------------------------|-----------|------------|-------|--------------------------|------|
| Type              | Number of Poles and Size | Side mounted                     | Front mounted           |           |            |       |                          |      |
|                   |                          |                                  | 1 contact               | 2 contact | 4 contacts |       |                          |      |
| AC & AC/DC        | 3P                       | LC1D09...D38                     | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1D40A...D80A                   | 1 on LH or 1 on RH side | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1D80 and D95A (50/60 Hz)       | 1 on each side          | or        | 2          | and 1 | or 1                     | or 1 |
|                   |                          | LC1D80 and D95A (50 or 60 Hz)    | 1 on each side          | and       | 2          | and 2 | or 1                     | or 1 |
|                   |                          | LC1D115 and D150                 | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   | 4P                       | LC1DT20...DT40                   | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1DT60A and DT80A               | 1 on LH or 1 on RH side | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1D40008, D65008 and D80        | 1 on each side          | or        | 1          | or 1  | or 1                     | or 1 |
|                   |                          | LC1D115                          | 1 on each side          | and       | 1          | or 1  | or 1                     | or 1 |
|                   |                          | LC1D09...D38                     | -                       | -         | -          | 1     | or 1                     | or 1 |
| DC                | 3P                       | LC1D40A...D80A                   | -                       | -         | 1          | or 1  | or 1                     |      |
|                   |                          | LC1D80 and D95                   | -                       | -         | 1          | or 1  | or 1                     |      |
|                   |                          | LC1D115 and D150                 | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   | 4P                       | LC1DT20...DT40                   | -                       | -         | 1          | or 1  | or 1                     |      |
|                   |                          | LC1DT60A and DT80A               | -                       | -         | 1          | or 1  | or 1                     |      |
|                   |                          | LC1D40008, D65008 and D80        | -                       | -         | 2          | and 1 | or 1                     | or 1 |
|                   |                          | LC1D115                          | 1 on each side          | -         | -          | and 1 | or 1                     | or 1 |
| LC <sup>(3)</sup> | 3P                       | LC1D09...D38                     | -                       | -         | 1          | -     | -                        |      |
|                   | 3P                       | LC1DT20...DT40                   | -                       | -         | 1          | -     | -                        |      |

(3) LC : Low consumption

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

### Accessories

| Description                   | For use with | Reference   | Unit MRP [₹] |
|-------------------------------|--------------|-------------|--------------|
| <b>For Contactor D115/150</b> |              |             |              |
| Contacts set - 3P             | LC1D115      | LA5D1158031 | 23480        |
| Contacts set - 3P             | LC1D150      | LA5D150803  | 24340        |
| Contacts set - 4P             | LC1D1150046  | LA5D115804  | 32365        |

| Product Compatibility  | Fixing | Control Circuit Voltage | Suppressor Type | Reference                                   | Unit MRP [₹] |
|--|--------|-------------------------|-----------------|---|--------------|
| <b>Coil Suppressor Modules</b>   |        |                         |                 |   |              |
| LC1D12...D25 (4P)  | Screw  | 110...240V AC           | RC Circuit AC   | LA4DA1U                                     | 1840         |
| LC1D12...D25 (4P)  |        | 12...250V DC            | Diode DC        | LA4DC1U                                     | 2060         |
| LC1D09...D38, LC2D09...D38,<br>LC1DT20...DT40, LC2DT20...DT40 (3P)       |        | 24...48V AC             | Varistor AC/DC  | LAD4VE                                      | 1785         |
|  |        | 24...48V AC 400Hz       | RC Circuit AC   | LAD4RCE                                     | 1615         |
|  |        | 50...127V AC 200Hz      | RC Circuit AC   | LAD4RCG                                     | 1615         |
| CAD  |        | 110...240V AC 100Hz     | RC Circuit AC   | LAD4RCU <input checked="" type="checkbox"/> | 1785         |
|  |        | 110...250V AC           | Varistor AC/DC  | LAD4VU                                      | 1785         |
| LC1D80, LC1D95, LC2D80, LC2D95 (3P)<br>LC2D80 (4P), LC1D40008, LC1D65008 |        | 24...250V DC            | Diode DC        | LA4DC3U                                     | 1840         |
|  |        | 110...250V AC           | Varistor AC/DC  | LA4DE2U                                     | 1760         |
|  |        | 24...48V AC 400Hz       | RC Circuit AC   | LA4DA2E                                     | 2775         |
|  |        | 50...127V AC 200Hz      | RC Circuit AC   | LA4DA2G                                     | 2775         |
|  |        | 110...240V AC 100Hz     | RC Circuit AC   | LA4DA2U                                     | 1840         |
|  |        | 380...415V AC 150Hz     | RC Circuit AC   | LA4DA2N                                     | 2775         |
|  |        | 24...48V DC             | Varistor AC/DC  | LA4DE3E                                     | 1840         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

Modular marking system simplifies identification of standard contactors in the control panel to enhance visibility of the safety chain

### Simple, customisable modular marking system

#### Standard TeSys Deca contactors

Easy-to-attach covers:



Auxiliary blocks with safety chain identification also available for more contact points:

#### Standard TeSys Ultra motor starters

Translucent labels to identify safety-chain devices:



Flexibility to customise contactors included in the safety chain during panel building



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles

### Complete safety-chain identification system

#### TeSys Deca range

Retrofit contactor safety covers



LAD9ET1S  
9A upto 65A



LAD9ET3S  
80A to 95A



LAD9ET4S  
110A to 150A



LADN22S  
2NO + 2NC

Also available for CAD32/CAD50

#### TeSys Ultra range

Retrofit identification label



LU9ET1S

### Built in Safety

TeSys Ultra motor starters are certified according to IEC 60947-4-1 for safety applications thanks to integrated mirror contact

| Description  | For use with                    | Reference | Unit MRP [₹] |
|--|---------------------------------|-----------|--------------|
| Red Cover (For safety chain indication)                                  | LC1D09...D65A and DT20 .. DT80A | LAD9ET1S  | 765          |
| Auxiliary Contact block with red front face- for safety chain indication | 2NO + 2NC                       | LADN22S   | 1090         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023





## New TeSys Giga Contactors and Relays Futuristic ready...

- **New generation** of high power contactors..115-800 A (AC-3)
- Advanced contact wear diagnostic for **predictive maintenance**
- **Modular design** for easy maintenance and short down times
- **Compact** design for less installation space consumption
- Less product references for **easier selection** and **reduced inventory**
- Right choice for a wide range of **demanding applications!!**



[se.com/in/TeSys](https://se.com/in/TeSys)

# TeSys Control

## TeSys Giga

A comprehensive range of TeSys Giga Contactors that are available in 'Advanced' and 'Standard' versions, in 3 sizes, covering several ratings.  
A common range of auxiliary contacts and accessories, enabling high flexibility and simplicity.

### > TeSys Giga Contactors - Standard version



#### Power & control

- 3 or 4 power poles
- 115 to 800A (AC-3)
- 200 to 1050A (AC-1)
- Embedded 1 NO + 1 NC auxiliary contacts
- Push-in type terminals for coils & control

#### Remote control

- 48-130V, 100-250V AC/DC coils
- Wide voltage range coils (direct coil control)
- Embedded surge-suppressor

#### Diagnostic

- Embedded wear diagnostic
- Embedded control voltages diagnostic
- Self diagnosis function
- Local alarm signaling (LED)

#### Mounting

- 'Cabling memory' adapter enables maintenance without removing power cables and busbar connections. (Provided as an accessory in standard version)

### > TeSys Giga Contactors - Advanced version



#### Power & control

- 3 or 4 power poles
- 115 to 800A (AC-3)
- 200 to 1050A (AC-1)
- Embedded 1 NO + 1 NC auxiliary contacts
- Push-in type terminals for coils & control

#### Remote control

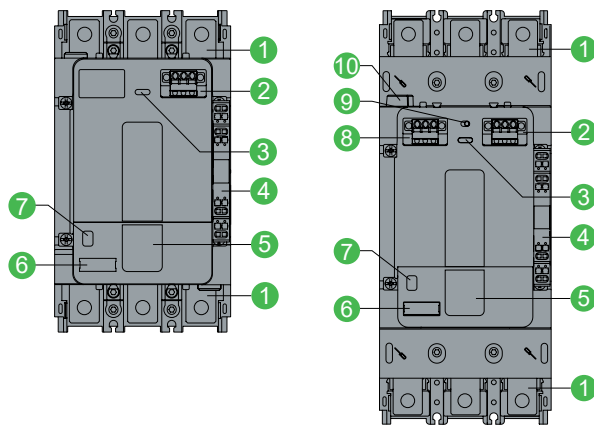
- 24-48V, 48-130V, 200-500V AC/DC coils
- Low consumption coils
- Wide voltage range coils (direct coil control)
- Digital control input (PLC output digital coil control)
- Embedded surge suppressor

#### Diagnostic

- Embedded wear diagnostic
- Embedded control voltages diagnostic
- Self diagnosis function
- Local alarm signaling (LED)
- Remote wear diagnostic signaling kit (accessory)

#### Mounting

- 'Cabling memory' adapter enables maintenance without removing power cables and busbar connections. (Provided as default in advanced version)



Standard (\*N) version

Advanced (\*A) version

- 1 Power connection (cable memory kit provided with Advanced version contactor)
- 2 A1-A2 coil terminal
- 3 Contact wear diagnosis LED
- 4 1 NO + 1 NC auxiliary contact
- 5 QR code
- 6 Label holder
- 7 Status indicator
- 8 PLC control terminal
- 9 PLC control ON/OFF switch
- 10 Connector for Remote Wear Diagnostic (RWD) module

\*Product references finishing by A or N.

# TeSys Control

## TeSys Giga

### TeSys Giga Power Contactors (3 Pole AC and DC)



#### Future ready:

Continuous local and remote monitoring of contact wear optimizes the predictive maintenance by allowing you to replace contacts only when necessary, facilitated by diagnostic visual indicator.

- Current Rating: 115-800<sup>(1)</sup> A AC3 rating; and AC1 upto 1050<sup>(1)</sup> A
- Universal AC/DC electronic wideband coil
- Fuseless Type 2 Co-ordination charts as per IEC60947-4-1 available
- Conformity to International Standards – IEC, UL, CSA, CE

| [Ie] Rated Operational Current AC-1 | Motor Power (Long Life) AC-3 |     |     | Standard version Reference | Unit MRP [₹] | Advanced version Reference | Unit MRP [₹] |
|-------------------------------------|------------------------------|-----|-----|----------------------------|--------------|----------------------------|--------------|
|                                     | kW                           | HP  | A   |                            |              |                            |              |
| 250                                 | 59                           | 80  | 115 | LC1G115***N                | 29540        | LC1G115***A                | On Request   |
| 275                                 | 80                           | 110 | 150 | LC1G150***N                | 37665        | LC1G150***A                |              |
| 305                                 | 100                          | 135 | 185 | LC1G185***N                | 46680        | LC1G185***A                |              |
| 330                                 | 110                          | 150 | 225 | LC1G225***N                | 50230        | LC1G225***A                |              |
| 385                                 | 140                          | 190 | 265 | LC1G265***N                | 61740        | LC1G265***A                |              |
| 440                                 | 180                          | 245 | 330 | LC1G330***N                | 74660        | LC1G330***A                |              |
| 550                                 | 220                          | 300 | 400 | LC1G400***N                | 90235        | LC1G400***A                |              |
| 700                                 | 280                          | 380 | 500 | LC1G500***N                | 125180       | LC1G500***A                |              |

### TeSys Giga Power Contactors (4 Pole AC and DC)

| [Ie] Rated Operational Current AC-1 | Power Pole Composition | Standard version Reference | Unit MRP [₹] | Advanced version Reference | Unit MRP [₹] |
|-------------------------------------|------------------------|----------------------------|--------------|----------------------------|--------------|
|                                     |                        |                            |              |                            |              |
| 275                                 | 4 NO                   | LC1G1504***N               | 55765        | LC1G1504***A               |              |
| 305                                 | 4 NO                   | LC1G1854***N               | 69680        | LC1G1854***A               |              |
| 330                                 | 4 NO                   | LC1G2254***N               | 81850        | LC1G2254***A               |              |
| 385                                 | 4 NO                   | LC1G2654***N               | 91515        | LC1G2654***A               |              |
| 440                                 | 4 NO                   | LC1G3304***N               | 106500       | LC1G3304***A               |              |
| 550                                 | 4 NO                   | LC1G4004***N               | 132360       | LC1G4004***A               |              |
| 700                                 | 4 NO                   | LC1G5004***N               | 195050       | LC1G5004***A               |              |

| Standard Coil Reference(***N) | Voltages (AC/DC) |
|-------------------------------|------------------|
| EHEN                          | 48-130           |
| KUEN                          | 100-250          |
| Standard Coil Reference(***A) | Voltages (AC/DC) |
| LSEA <sup>(1)</sup>           | 200-500          |
| BEEA <sup>(1) (2)</sup>       | 24-48            |

1: Advanced version (Price on request)  
2: Available upto 500 A

### Accessories - TeSys Giga

| Add On Blocks            | Push In Type Terminal | Position                    | Contacts | Reference | Unit MRP [₹] |
|--------------------------|-----------------------|-----------------------------|----------|-----------|--------------|
| Auxillary contact module | 1st left or 1st right | Side Mounted <sup>(1)</sup> | 1 NO+1NC | LAG8N113P | 1325         |
|                          |                       | Side Mounted                | 2 NO     | LAG8N203P | 1720         |
|                          | 2nd left or right     | Side Mounted                | 1 NO+1NC | LAG8N113  | 1325         |
|                          |                       | Side Mounted                | 2 NO     | LAG8N203  | 1720         |

(1) Always supplied with TeSys Giga LC1G contactors, fitted to the right side lateral face.

| Mechanical interlock between contactors <sup>(1)</sup> | Reference | Unit MRP [₹] |
|--|-----------|--------------|
| <b>For Use With Contactor</b>                          |           |              |
| Between Identical contactor frames                     | LA9G970   | 2420         |
| Between LC1G(265-500) and LC1G(185-225)                | LA9G971   |              |
| LC1G630 to LC1G800 and LC1G265 to LC1G500              | LA9G972   | On Request   |

(1) Maximum 3 auxillary contacts can be installed between 2 contactors with mechanical interlock kit.



EcoStruxure™ Motor Control Configuration



Product Selector for TeSys Giga



EcoStruxure™ Motor Management Design

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys H - Ultra Compact Hybrid Motor Starters

The most compact 3 KW / 400 V starter in the world



## Up to 75 % of space reduction

- Ultra-compact 22.5 mm starter
- Reversing starter in the same width
- Maximum space savings for group starter architecture

## Long electrical durability

- Suitable for high demanding application
- 30 000 000 of AC53a electrical cycles

> With printed QR code, referring directly to the product data sheet.

## Easy Design

- Wide range setting motor protection
- Automatic, manual or remote reset after thermal trip
- Wide range of control voltage

## Easy to integrate

- Direct mounting installation on DIN rail
- Control terminals on the upper side
- Power terminal on the lower side

It is recommended to check with Customer care team for selection, recommendation ,and availability of stockable and non stockable references









☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Protection Range

TeSys has the most rugged and reliable solution to manage motors

Please find a quick range overview below

|   | TeSys Power   |   | TeSys Protect   |   |   |   | TeSys Active  |   |              |
|---|---|---|---|---|---|---|---|---|--------------|
| Feature                                     | Motor Protection Circuit Breakers   |   | Overload Relays   |   | Multi function Relays   |   | TeSys Ultra   | TeSys T   | TeSys Island |
| TeSys Range of Products                     | GV2P, GV4P<br>GV3P, GV2ME   | GV4PEM  | LR2K, LRD, LR9D, LR9F   | LR9G  | EOCR  |   |   |   |              |
|   |  |  |  |  |  |  |  |  |              |
| Short circuit                               |   |   |   |   |   |   |   |   |              |
| Causes of overheating                       |   |   |   |   |   |   |   |   |              |
| Slight overload                             |   |   |   |   |   |   |   |   |              |
| Locked rotor                                |   |   |   |   |   |   |   |   |              |
| Ventilation fault With probes               |   |   |   |   |   |   |   | With Probes   | With Probes  |
| Abnormal temperature rise                   |   |   |   |   |   |   |   |   | With Probes  |
| Shaft bearing seizure                       |   |   |   |   |   |   |   |   |              |
| Insulation fault                            |   |   |   |   |   | With CBCT   |   |   |              |
| Long starting time<br>Adjustable Adjustable |   | Adjustable  |   |   |   | Adjustable  | Adjustable  | Adjustable  | Adjustable   |
| Heavy duty                                  |   |   | LR9D only   |   |   |   |   |   |              |
| Voltage variation<br>(Derived)              |   |   |   |   |   |   |   |   |              |
| Causes of phase variation                   |   |   |   |   |   |   |   |   |              |
| Phase reversal                              |   |   |   |   |   |   |   |   |              |
| Phase losses                                |   |   |   |   |   |   |   |   |              |
| Phase imbalance                             |   |   |   |   |   |   |   |   |              |
| Earth fault                                 | GV4P only   |   |   |   |   |   |   |   |              |
| Historic fault,<br>Pre-Alarming             |   |   |   |   | Possible<br>Pre alarm   |   |   |   |              |

# Protection Relays for Motor Safety

Providing Motor Safety  
tailored to your needs



# TeSys Protect

## TeSys K, TeSys Deca, TeSys F, TeSys Giga

### Thermal Overload Relays - TeSys K Series (Direct Mounting)



- Conformance to IEC, UL, CSA, CE
- Range : 0.1A to 16A
- Direct & Independent mounting
- Trip class 10A

| Thermal Protection Adjustment | For Use With                 | For Use With | Unit MRP [₹] |
|-------------------------------|------------------------------|--------------|--------------|
| 0.11...0.16                   | LC1K, LP1K, LP4K, LP2K, LC2K | LR2K0301     | 2455         |
| 0.16...0.23                   |                              | LR2K0302     |              |
| 0.23...0.36                   |                              | LR2K0303     |              |
| 0.36...0.54                   |                              | LR2K0304     |              |
| 0.54...0.8                    |                              | LR2K0305     |              |
| 0.8...1.2                     |                              | LR2K0306     |              |
| 1.2...1.8                     |                              | LR2K0307     |              |
| 1.8...2.6                     |                              | LR2K0308     |              |
| 2.6...3.7                     |                              | LR2K0310     |              |
| 3.7...5.5                     |                              | LR2K0312     |              |
| 5.5...8                       |                              | LR2K0314     |              |
| 8...11.5                      |                              | LR2K0316     |              |
| 10...14                       |                              | LR2K0321     |              |
| 12...16                       |                              | LR2K0322     |              |

\*Note: Terminal Block for Clip-on Mounting LA7K0064

### Thermal Overload Relays - TeSys Deca Series



- Conformance to IEC, UL, CSA
- Range : 0.1A to 104A
- Higher operating temperature
- Tripping class 10A & 20 available
- Direct mounting on contactor is possible upto 95A

| Thermal Protection Adjustment Range | For Use With                  | Reference*           | Unit MRP [₹] |         |
|-------------------------------------|-------------------------------|----------------------|--------------|---------|
| <b>LRD Model (Direct Mounting)</b>  |                               |                      |              |         |
| 0.1...0.16                          | GV2L03, LE03, LC1D09...LC1D38 | LRD01                | 2470         |         |
| 0.16...0.25                         |                               | LRD02                |              |         |
| 0.25...0.4                          |                               | LRD03                |              |         |
| 0.4...0.63                          |                               | LRD04                |              |         |
| 0.63...1                            |                               | LRD05 ✓              |              |         |
| 1...1.6                             |                               | LRD06 ✓              |              |         |
| 1.6...2.5                           |                               | LRD07 ✓              |              |         |
| 2.5...4                             |                               | LRD08 ✓              |              |         |
| 4...6                               |                               | LRD10 ✓              |              |         |
| 5.5...8                             |                               | LRD12 ✓              |              |         |
| 7...10                              |                               | LRD14 ✓              |              |         |
| 9...13                              |                               | LRD16 ✓              |              |         |
| 12...18                             |                               | LRD21 ✓              |              | 2770    |
| 16...24                             |                               | GV2L22, LC1D25...D38 |              | LRD22 ✓ |
| 23...32                             | LC1D25...LC1D38, LC1D32       | LRD32 ✓              | 4590         |         |
| 30...38                             | LC1D32, LC1D38                | LRD35                | 5080         |         |
| 23...32                             | LC1D40A...D65a                | LRD332               |              |         |
| 30...40                             | LC1D80...LC1D95               | LRD3353              |              |         |
| 30...40                             | LC1D40A...D65a                | LRD340               |              |         |
| 30...40                             | LC1D80...LC1D95               | LRD3355              |              |         |
| 37...50                             | LC1D40A...D65a                | LRD350 ✓             |              | 6965    |
| 48...65                             | LC1D80...LC1D95               | LRD3357              |              | 8330    |
| 48...65                             | LC1D40A...D65a                | LRD365               |              | 8940    |
| 62...80                             | LC1D80A                       | LRD380               |              | 9325    |
| 48...65                             | LC1D80...LC1D95               | LRD3359              |              | 8940    |
| 63...80                             | LC1D80...LC1D95               | LRD3363              | 9700         |         |
| 80...104                            | LC1D80, LC1D95                | LRD3365              | 11975        |         |

### Electronic Overload Relay - TeSys Deca Series



- Conformance to IEC, UL, CSA
- Range : 0.1A to 32A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5,10, 20 & 30
- Type 1 & Type 2 Co-ordination chart available

| Current Range | For Use With                 | Reference* | Unit MRP [₹] |
|---------------|------------------------------|------------|--------------|
| 0.1...0.5     | LC1D09 - 38A Direct Mounting | LR9D01     | 11215        |
| 0.4...2.0     |                              | LR9D02     | 11515        |
| 1.6...8.0     |                              | LR9D08     |              |
| 6.4...32      |                              | LR9D32     | 12880        |

\*Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205.

### Electronic Overload Relay - TeSys Giga Series



- Wide range of protection with only 4 references (28A to 630A)
- Switchable protection against ground fault and phase imbalance
- ON status and overload alarm signaling by LED
- Direct mounting of relay with contactors saving in panel space and installation time
- Selectable Trip class from 5E to class 30E to suit different application needs

| Thermal Protection Adjustment Range | Reference | Unit MRP [₹] |
|-------------------------------------|-----------|--------------|
| 28...115 A                          | LR9G115   | 19080        |
| 57...225 A                          | LR9G225   | 22260        |
| 125...500 A                         | LR9G500   | 26180        |
| 160...630 A                         | LR9G630*  | on request   |

\*Note:

- For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106
- For LRD33\*\* - Terminal Block for clip-on Mounting LA7D3064 ✓
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560
- The LRD relays can be used for AC or DC current up to 104A
- For long starting, Class 20 relays are available on request.
- Device for remote tripping and electrical reset is available on request.

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Advanced Motor Protection

High performance protection  
for your application



## EOLR Electronic Overload Relay

- Precise Overload Protection
- Wide operating Range 5:1
- Higher Operating Temperature
- Selectable Trip Class



## EOCR Electronic Over Current Relay

- Compact and Robust
- Advanced current protections
- Suitable for 1-phase and 3-phase applications
- Suitable for motors upto 400A
- Pass-through CT for electrical isolation



# TeSys Protect

## EOLR, EOCR

### EOLR

#### Electronic Overload Relay

- Conformance to IEC, UL, CSA
- Range : 0.1A to 630A
- High Operating Temperature
- Field selectable tripping class : 5,10, 20 & 30
- Type 1 & Type 2 Co-ordination chart available

| Current Range                             | For Use With                   | Reference* | Unit MRP [₹] |
|---|--------------------------------|------------|--------------|
| <b>LR9-D Electronic Protection Relays</b> |                                |            |              |
| 0.1...0.5                                 |                                | LR9D01     | 11215        |
| 0.4...2.0                                 | LC1D09 - 38A Direct Mounting   | LR9D02     | 11515        |
| 1.6...8.0                                 |                                | LR9D08     |              |
| 6.4...32                                  |                                | LR9D32     | 12880        |
| <b>LR9-G Electronic Protection Relays</b> |                                |            |              |
| 28...115                                  |                                | LR9G115    | 19080        |
| 57...225                                  | LC1G115 - 630A Direct Mounting | LR9G225    | 22260        |
| 125...500                                 |                                | LR9G500    | 26180        |
| 160...630                                 |                                | LR9G630    | On Request   |

**Note:** For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205.

### Analog EOCR

- Compact
- Protection against over current/phase loss/locked rotor (phase loss/locked rotor operates by over current)
- Manual (instant)/electrical reset
- NVR (No Volt Release) function / Fail Safe
- Suitable for single-phase / 3-phase motors
- LED (operation display and active current display)

### EOCR SS

- Without Display



| EOCR SS       |                 |            |              |
|---------------|-----------------|------------|--------------|
| Current Range | Control Voltage | Reference  | Unit MRP [₹] |
| 0.5-6         | 24-240V AC/DC   | EOCRSS-05S | 6470         |
| 3-30          | 24-240V AC/DC   | EOCRSS-30S |              |
| 5-60          | 24-240V AC/DC   | EOCRSS-60S |              |

**Note:** 2 SPST output contacts

To order an EOCR-SS:

**E 0 C R S S - 0 5 S**

1     2

|   |                        |    |               |  |
|---|------------------------|----|---------------|--|
| 1 | Current Setting Range  | 5  | 0.5-6A        | For 60A or higher, combine 05 Type and an external CT (secondary 5A) for use |
|   |                        | 30 | 3.0-30A       |  |
|   |                        | 60 | 5.0-60A       |  |
| 2 | Operating Power Supply | S  | 24-240V AC/DC |  |
|   |                        | W  | 380-440V AC   |  |

**Note:** For a CT combination type, please write an accessory code from the CT Order Codes separately.

### Protection Relay Selection Table

| Features/product                           | EOLR      |        | EOCR      |                     |
|--|-----------|--------|-----------|---------------------|
|  | LR9D/LR9G | SS/SSD | 3DM2/FDM2 | 3MZ2/FMZ2/3BZ2/FBZ2 |
| Precise Overload Protection (Inverse Time) |           |        |           |                     |
| Over Current Protection (Definite Time)    |           |        |           |                     |
| Selectable Trip Clas 5-30                  |           |        |           |                     |
| Current Unbalance Protection               | LR9G Only |        |           |                     |
| Locked Rotor, Phase Loss                   |           | *      |           |                     |
| Under current Protection                   |           |        |           |                     |
| Ground Current Protection                  | LR9G Only |        |           |                     |
| Current Measurement                        | 3CT       | 2CT    | 3CT       | 3CT                 |
| Current Display                            |           | #      |           |                     |
| Direct Mounting on Contactor               | \$        |        |           |                     |
| Fault History                              |           |        |           |                     |
| Configurable protection functions          |           |        |           |                     |

\* - over current based protection

# - with SSD

\$ - upto 38 Amps

Possible solution

Ideal solution

### EOCR SSD

- With Display (Operating Current & Trip Cause)



| EOCR SSD      |                 |             |              |
|---------------|-----------------|-------------|--------------|
| Current Range | Control Voltage | Reference   | Unit MRP [₹] |
| 0.5-6         | 24-240V AC/DC   | EOCRSSD-05S | 9680         |
| 3-30          | 24-240V AC/DC   | EOCRSSD-30S |              |
| 5-60          | 24-240V AC/DC   | EOCRSSD-60S |              |

**Note:** 2 SPST output contacts

To order an EOCR-SS:

**E 0 C R S S D - 0 5 S**

1     2

|   |                        |    |               |   |
|---|------------------------|----|---------------|---|
| 1 | Current Setting Range  | 5  | 0.5-6A        | For 60A or higher, combine 05Type and an external CT (secondary 5A) for use |
|   |                        | 30 | 3.0-30A       |   |
|   |                        | 60 | 5.0-60A       |   |
| 2 | Operating Power Supply | S  | 24-240V AC/DC |   |
|   |                        | W  | 380-440V AC   |   |

**Note:** For a CT combination type, please write an accessory code from the CT Order Codes separately.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Protect EOCR

## Digital EOCR



### Selection Table for Digital EOCR

3 D M 2 - W R D U W Z  
 1 2 3 4 5 6

|    |                                       |               |  |
|----|---------------------------------------|---------------|--|
| 1  | Digital Electronic Over-current Relay | 3DM2/<br>FDM2 | Without Ground Fault Protection                |
|    |                                       | 3MZ2/<br>FMZ2 | With Ground Fault Protection with External ZCT |
|    |                                       | 3BZ2/<br>FBZ2 | With Ground Fault Protection inbuilt ZCT       |
|    | Built-in display                      | 3●●2          | Flush mounting display F●●2                    |
| No | Item                                  | Type          | Current Range                                  |
| 2  | Standard                              | WR            | 0.5...80A                                      |
| 3  | Relay Output                          | D             | b (95-96), a(97-98), a(07-08) 3DM2, FDM2       |
|    |                                       | A             | a(97-98): OL, a(57-58): GF                     |
|    |                                       | C             | b(95-96), a(97-98): OL/GF                      |
|    |                                       | D             | b(95-96) : OL, a(57-58): GF*                   |
| 4  | Control Power                         | B             | AC/DC 24V                                      |
|    |                                       | U             | AC/DC 100~240V                                 |
| 5  | Wiring Method                         | W             | Window-hole type*                              |
|    |                                       | H             | Bottom-hole type                               |
| 6  | Version                               | Z             | New version                                    |

\* Not Possible with 3BZ2/FBZ2

- Micro-controller unit based
- Real time processing / High precision
- Protections : Over current, Under current, Phase loss, Phase reversal, Stall, Jam, Current Imbalance, Earth fault (3MZ2/FMZ2/3BZ2/FBZ2)
- Current Rating - 0.5 to 400A
- Bar graph indication of a load current to the current setting.
- Ancillary functions : Fail safe, Accumulated running hour, 3 faults records & limitation of auto-restart.
- Individual phase I-THD monitoring
- Suitable low Frequency Operation
- Communication capable RS485 (Optional)

| Digital EOCR  |  |             |                                   |              |
|---------------|--|-------------|-----------------------------------|--------------|
| Current Range | Control Voltage                              | Reference   | Description                       | Unit MRP [₹] |
| 0.5-80A       | 100-240V AC/DC                               | 3DM2-WRDUWZ |                                   | 20420        |
|               |  | 3DM2-WRDUHZ | Without ground - fault protection | 22085        |
|               |  | FDM2-WRDUWZ |                                   |              |
|               |  | FDM2-WRDUHZ |                                   |              |
|               |  | 3MZ2-WRAUWZ |                                   | 20695        |
|               |  | 3MZ2-WRAUHZ |                                   |              |
|               |  | 3MZ2-WRCUWZ |                                   |              |
|               |  | 3MZ2-WRCUHZ |                                   |              |
|               |  | 3MZ2-WRDUWZ |                                   |              |
|               |  | 3MZ2-WRDUHZ | With ground - fault protection    |              |
|               |  | FMZ2-WRAUWZ |                                   | 24845        |
|               |  | FMZ2-WRAUHZ |                                   |              |
|               |  | FMZ2-WRCUWZ |                                   |              |
|               |  | FMZ2-WRCUHZ |                                   |              |
|               |  | FMZ2-WRDUWZ |                                   |              |
|               |  | FMZ2-WRDUHZ |                                   |              |
| 3BZ2-WRAUHZ   |  | 30040       |                                   |              |
| 3BZ2-WRCUHZ   | With ground - fault protection (inbuilt ZCT) | 30525       |                                   |              |
| FBZ2-WRAUHZ   |  |             |                                   |              |
| FBZ2-WRCUHZ   |  |             |                                   |              |

## EOCR Accessories

| ZCT - Ground Fault Protection |               |              |  |
|-------------------------------|---------------|--------------|--|
| Reference                     | Description   | Unit MRP [₹] |  |
| ZCT-035-Z                     | ZCT EP 35 mm  | On Request   |  |
| ZCT-080-Z                     | ZCT EP 80 mm  | 8795         |  |
| ZCT-120-Z                     | ZCT EP 120 mm | 14470        |  |

| Display Cable for FDM2/FMZ2/FBZ2 |             |              |  |
|----------------------------------|-------------|--------------|--|
| Reference                        | Description | Unit MRP [₹] |  |
| CABLE-RJ45-001Q                  | CABLE 1M    | 2365         |  |

| ZCT - Ground Fault Protection |  |  |  |
|-------------------------------|--|--|--|
| 3CT - H1 - 100 - Z            |  |  |  |
| 1                             |  |  |  |

| Reference | Description      | Unit MRP [₹] |
|-----------|------------------|--------------|
| H1-100-Z  | Square 3CT 100:5 | 5200         |
| HH-150-Z  | Square 3CT 150:5 | 6440         |
| H2-200-Z  | Square 3CT 200:5 | 7100         |
| H3-300-Z  | Square 3CT 300:5 | 7475         |
| H4-400-Z  | Square 3CT 400:5 | 8795         |

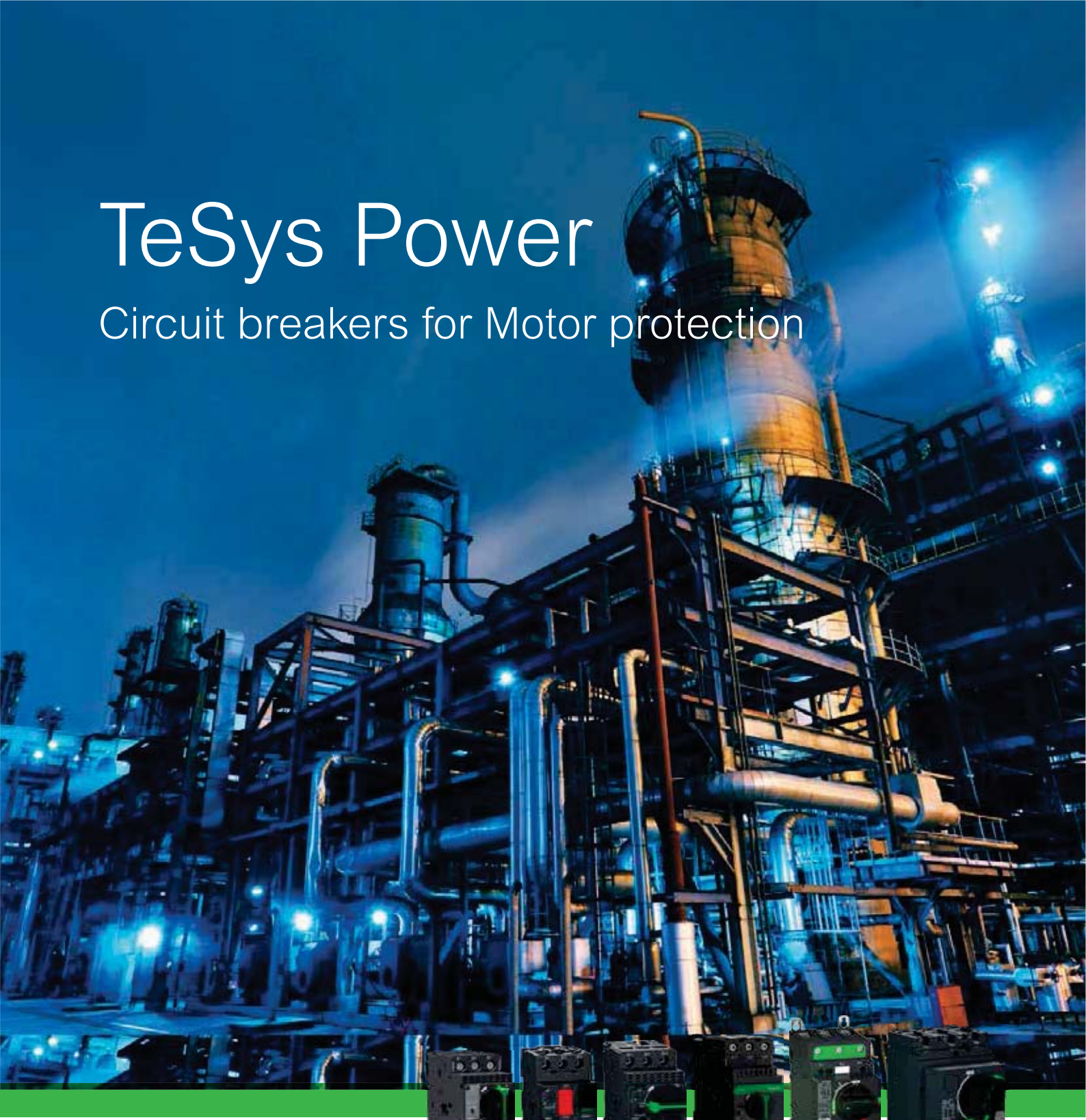
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Power

Circuit breakers for Motor protection



## Circuit breakers for motor protection and control

TeSys Deca and TeSys Giga Circuit Breakers provide compact, reliable and efficient solutions:

- Isolation
- Protection against short circuits and overloads
- Control of motors from 0.06 to 250 kW.
- Conforming to global standards.(IEC/EN/UL/CSA)



For more information  
on motor protection  
circuit breakers

[se.com/in/TeSys](https://se.com/in/TeSys)

# TeSys Power

## Circuit Breakers for Motor Protection

### Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4
- Magnetic circuit breakers range from 0.1-80 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories

### Thermal Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4, conformity to International Standards - UL, CSA, CE
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

| Breaking Capacity at 415V 50Hz              | Motor Power AC-3** |     | Magnetic Protection Rating (A) | Reference  | Unit MRP [₹] |
|---|--------------------|-----|--------------------------------|------------|--------------|
|   | kW                 | HP  |                                |            |              |
| <b>With Rocker Lever Control (Economy)*</b> |                    |     |                                |            |              |
| 100kA                                       | 0.09               | -   | 0.4                            | GV2LE03    | 5215         |
|   | 0.18               | -   | 0.63                           | GV2LE04    |              |
|   | 0.37               | 0.5 | 1                              | GV2LE05    |              |
|   | 0.55               | -   | 1.6                            | GV2LE06    |              |
|   | 1.1                | 1.5 | 2.5                            | GV2LE07    |              |
|   | 1.5                | 2   | 4                              | GV2LE08    |              |
|   | 2.2                | 3   | 6.3                            | GV2LE10    |              |
|   | 3                  | 5.5 | 10                             | GV2LE14    |              |
| 15kA  | 5.5                | 7.5 | 14                             | GV2LE16    | 6055         |
|   | 7.5                | 10  | 18                             | GV2LE20    |              |
| 10kA  | 11                 | 15  | 25                             | GV2LE22    | 10290        |
|   | 15                 | 20  | 32                             | GV2LE32    |              |
| <b>With Rotary Handle Control*</b>          |                    |     |                                |            |              |
| 100kA                                       | 0.09               | -   | 0.4                            | GV2L03     | 5985         |
|   | 0.18               | -   | 0.63                           | GV2L04     |              |
|   | 0.37               | 0.5 | 1                              | GV2L05     |              |
|   | 0.55               | -   | 1.6                            | GV2L06     |              |
|   | 1.1                | 1.5 | 2.5                            | GV2L07     |              |
|   | 1.1                | 2   | 4                              | GV2L08     |              |
|   | 2.2                | 3   | 6.3                            | GV2L10     |              |
|   | 4                  | 5.5 | 10                             | GV2L14     |              |
| 50kA  | 5.5                | 7.5 | 14                             | GV2L16     | 16720        |
|   | 7.5                | 10  | 18                             | GV2L20     |              |
|   | 11                 | 15  | 25                             | GV2L22     |              |
|   | 15                 | 20  | 32                             | GV2L32     |              |
|   | 18.5               | 25  | 40                             | GV3L40     |              |
|   | 22                 | 29  | 50                             | GV3L50     |              |
|   | 30                 | 40  | 65                             | GV3L65     |              |
|   | 37                 | 50  | 73                             | GV3L73     |              |
| <b>With Toggle Control</b>                  |                    |     |                                |            |              |
| 50kA  | 37                 | 50  | 80                             | GV4LE80N6  | 17080        |
|   | 55                 | 74  | 115                            | GV4LE115N6 |              |
|   | 75                 | 101 | 150                            | LV430832   | On Request   |
|   | 110                | 147 | 220                            | LV431752   |              |
|   | 160                | 214 | 320                            | LV432749   |              |
|   | 200                | 268 | 500                            | LV432949   |              |

\* Conforming to IEC 60947-2-3-4

\*\* 50/60Hz - 415V

• GV2-L with the TeSys Deca contactor and LRD overload relay provides Type 2 Co-ordination

\*\* 50/60Hz - 415V

(1) With GV1-L3 current limiter, breaking capacity can be increased to 100kA. Combination of the GV2-M with the TeSys Deca provides Type 2 Co-ordination.

(2) With GV1-L3 current limiter, breaking capacity can be increased to 100kA. Combination of the GV2-P with the TeSys Deca provides Type 2 Co-ordination.

| Breaking Capacity at 415V 50Hz            | Motor Power AC-3** |         | Thermal Protection Adjustment Range | Reference  | Unit MRP [₹] |
|---|--------------------|---------|-------------------------------------|------------|--------------|
|   | kW                 | HP      |                                     |            |              |
| <b>With Push Button Control (Economy)</b> |                    |         |                                     |            |              |
| 100kA                                     | -                  | -       | 0.1 - 0.16                          | GV2ME01    | 5495         |
|   | 0.06               | -       | 0.16 - 0.25                         | GV2ME02    |              |
|   | 0.09               | -       | 0.25 - 0.40                         | GV2ME03    | 5845         |
|   | 0.18               | -       | 0.40 - 0.63                         | GV2ME04    |              |
|   | 0.37               | 0.5     | 0.63 - 1.0                          | GV2ME05    | 5975         |
|   | 0.55               | 0.75    | 1.0 - 1.6                           | GV2ME06    |              |
|   | 0.75               | 1       | 1.6 - 2.5                           | GV2ME07    | 6180         |
|   | 1.1                | 2       | 2.5 - 4                             | GV2ME08    |              |
| 15kA <sup>(1)</sup>                       | 2.2                | 3       | 4 - 6.3                             | GV2ME10    | 6930         |
|   | 3                  | 5.5     | 6 - 10                              | GV2ME14    |              |
|   | 5.5                | 7.5     | 9 - 14                              | GV2ME16    | 7455         |
|   | 7.5                | 10      | 13 - 18                             | GV2ME20    |              |
| 10kA <sup>(1)</sup>                       | 9                  | 12.5    | 17 - 23                             | GV2ME21    | 7960         |
|   | 11                 | 15      | 20 - 25                             | GV2ME22    | 7960         |
|   | 15                 | 20      | 24 - 32                             | GV2ME32    | 12895        |
| <b>With Rotary Handle Control</b>         |                    |         |                                     |            |              |
| 100kA                                     | -                  | -       | 0.1 - 0.16                          | GV2P01     | 5375         |
|   | 0.06               | -       | 0.16 - 0.25                         | GV2P02     |              |
|   | 0.09               | -       | 0.25 - 0.40                         | GV2P03     | 6160         |
|   | 0.18               | -       | 0.40 - 0.63                         | GV2P04     |              |
|   | 0.37               | 0.5     | 0.63 - 1.0                          | GV2P05     | 6350         |
|   | 0.55               | 0.75    | 1.0 - 1.6                           | GV2P06     |              |
|   | 0.75               | 1       | 1.6 - 2.5                           | GV2P07     | 6775         |
|   | 1.1                | 2       | 2.5 - 4                             | GV2P08     |              |
|   | 2.2                | 3       | 4 - 6.3                             | GV2P10     | 8320         |
|   | 3                  | 5.5     | 6 - 10                              | GV2P14     |              |
| 50kA <sup>(2)</sup>                       | 5.5                | 7.5     | 9 - 14                              | GV2P16     | 9605         |
|   | 7.5                | 10      | 13 - 18                             | GV2P20     |              |
|   | 9                  | 12.5    | 17 - 23                             | GV2P21     | 16185        |
|   | 11                 | 15      | 20 - 25                             | GV2P22     |              |
| 35kA <sup>(2)</sup>                       | 15                 | 20      | 24 - 32                             | GV2P32     | 19000        |
|   | 18.5               | 30...40 | 30...40                             | GV3P40     |              |
| 50kA                                      | 22                 | 37...50 | 37...50                             | GV3P50     | 23560        |
|   | 30                 | 48...65 | 48...65                             | GV3P65     | 24165        |
|   | 37                 | 62...73 | 62...73                             | GV3P73     | 24700        |
| <b>With Toggle Control</b>                |                    |         |                                     |            |              |
| 50kA                                      | 37                 | 49.58   | 40...80                             | GV4PE80N6  | 22140        |
|   | 55                 | 73.7    | 65...115                            | GV4PE115N6 |              |
| <b>With Direct Rotary Handle</b>          |                    |         |                                     |            |              |
| 70kA                                      | 75                 | 101     | 70...150                            | GV5P150H   | 45030        |
|   | 110                | 147     | 100...220                           | GV5P220H   | 52530        |
|   | 160                | 214     | 160...320                           | GV6P320H   | 67545        |
|   | 200                | 268     | 250...500                           | GV6P500H   | 93060        |

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Power

## Circuit Breakers for Motor Protection

### GV4LE



- IEC/EN 60947-1, IEC/EN 60947-2, CCC, EAC
- Can be used with class 5, 10 or 20 relay
- Short Circuit Protection with an adjustable pick-up  $I_n = 6$  to 14 In.
- From 0.25 - 55kW

#### Magnetic Toggle Control

| Motor Power AC-3<br>(400/415V AC) |         | In   | Magnetic<br>Setting<br>Range | 25kA Breaking<br>Capacity |                 | 50kA Breaking<br>Capacity |                 | 100kA Breaking<br>Capacity |                 |
|-----------------------------------|---------|------|------------------------------|---------------------------|-----------------|---------------------------|-----------------|----------------------------|-----------------|
| kW                                | HP      | (A)  | A                            | Reference                 | Unit MRP<br>[₹] | Reference                 | Unit MRP<br>[₹] | Reference                  | Unit MRP<br>[₹] |
| 0.25..0.75                        | 0.3..1  | 2    | 12..28                       | -                         | -               | GV4LE02N6                 | -               | GV4LE02S6                  | -               |
| 0.55..1.5                         | 0.7..2  | 3.5  | 21..49                       | -                         | -               | GV4LE03N6                 | -               | GV4LE03S6                  | -               |
| 1.5..3                            | 2.4     | 7    | 42..96                       | -                         | -               | GV4LE07N6                 | -               | GV4LE07S6                  | -               |
| 3..5.5                            | 4..7.5  | 12.5 | 75..175                      | -                         | -               | GV4LE12N6                 | -               | GV4LE12S6                  | -               |
| 5.5..11                           | 7.5..14 | 25   | 150..350                     | GV4LE25B6                 | On Request      | GV4LE25N6                 | On Request      | GV4LE25S6                  | On Request      |
| 11..22                            | 15..30  | 50   | 300..700                     | GV4LE50B6                 |                 | GV4LE50N6                 |                 | GV4LE50S6                  |                 |
| 18.5..37                          | 25..50  | 80   | 480..1120                    | GV4LE80B6                 |                 | GV4LE80N6                 |                 | GV4LE80S6                  |                 |
| 30..55                            | 40..75  | 115  | 690..1610                    | GV4LE115B6                |                 | GV4LE115N6                |                 | GV4LE115S6                 |                 |
|                                   |         |      |                              |                           |                 |                           |                 |                            |                 |

**Note:** For Everlink termination please order after removing the 6 at the end Eg. GV4LE115N

### GV4PE



- IEC/EN 60947-1, IEC/EN 60947-2, IEC/EN 60947-4-1, UL 60497-4-1, CCC, EAC, CSA
- Overload or thermal protection
- Short time delay protection
- Short circuit protection
- Fixed Ground fault protection
- Phase unbalance or phase loss
- Front indications through LED
- Variable Trip class : Trip Class 10/ Trip Class 20

#### Thermal Magnetic Protection Toggle Control

| Motor Power AC-3<br>(400/415V AC) |         | In   | Magnetic<br>Setting<br>Range | 25kA Breaking<br>Capacity |                 | 50kA Breaking<br>Capacity |                 | 100kA Breaking<br>Capacity |                 |
|-----------------------------------|---------|------|------------------------------|---------------------------|-----------------|---------------------------|-----------------|----------------------------|-----------------|
| kW                                | HP      | (A)  | A                            | Reference                 | Unit MRP<br>[₹] | Reference                 | Unit MRP<br>[₹] | Reference                  | Unit MRP<br>[₹] |
| 0.25..0.75                        | 0.3..1  | 2    | 0.8..2                       | -                         | -               | GV4PE02N6                 | -               | GV4PE02S6                  | -               |
| 0.55..1.5                         | 0.7..2  | 3.5  | 1.4..3.5                     | -                         | -               | GV4PE03N6                 | -               | GV4PE03S6                  | -               |
| 1.5..3                            | 2.4     | 7    | 2.9..7                       | -                         | -               | GV4PE07N6                 | -               | GV4PE07S6                  | -               |
| 3..5.5                            | 4..7.5  | 12.5 | 5..12.5                      | -                         | -               | GV4PE12N6                 | -               | GV4PE12S6                  | -               |
| 5.5..11                           | 7.5..14 | 25   | 10..25                       | GV4PE25B6                 | On Request      | GV4PE25N6                 | On Request      | GV4PE25S6                  | On Request      |
| 11..22                            | 15..30  | 50   | 20..50                       | GV4PE50B6                 |                 | GV4PE50N6                 |                 | GV4PE50S6                  |                 |
| 18.5..37                          | 25..50  | 80   | 40..80                       | GV4PE80B6                 |                 | GV4PE80N6                 |                 | GV4PE80S6                  |                 |
| 30..55                            | 40..75  | 115  | 65..115                      | GV4PE115B6                |                 | GV4PE115N6                |                 | GV4PE115S6                 |                 |
|                                   |         |      |                              |                           |                 |                           |                 |                            |                 |

**Note:** For Everlink version please order after removing the 6 at the end. Eg. GV4PE115N

| Crimp Lug/busbar connection                           |                                 |           |          |
|---|---------------------------------|-----------|----------|
| Description   | Sold in lots of                 | Reference |          |
| Crimped lug connector + screws                        | 1                               | GV4LUG    |          |
| Transparent terminal shield for crimped lug connector | 1                               | LAD96590  |          |
| Interphase barriers                                   | 6                               | LV426920  |          |
| Spreader 3-pole                                       | To increase the pitch to 35 min | 1         | LV426940 |

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Power

## Circuit Breakers for Motor Protection

### Accessories for GV4



#### MX Shunt Trip

- Trips the circuit breaker when the control voltage rises above 70% of rated voltage
- Shunt trip 110..130V AC is suitable.. etc for ground fault protection when combined with a Class I ground fault sensing element

#### MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 35% of its rated voltage

| Description              | Mounting          | Voltage   | References | Unit MRP [₹] |
|--------------------------|-------------------|---|------------|--------------|
| Mx Shunt Trip            | Internal, Plug-In | 220-240 VAC 50 Hz, 208-240 VAC 60 Hz, 277 VAC 60 Hz | GV4AS287   | On Request   |
| Mn Under Voltage Release | Internal, Plug-In | 440-480 VAC 60 Hz                                   | GV4AU486   |              |

### Auxiliary Contact Blocks



An auxiliary contact block provides one changeover contact with one common point for OF and SD function, depending on where it is inserted

Open/Close OF Function: indicates position of the circuit breaker contacts

Trip Alarm SD Function: indicates circuit breaker tripping due to:

- Electrical fault (overload, short circuit)
- Shunt trip/Undervoltage release
- "Push to Trip" Function

Resets when the circuit breaker is reset

| Description             | Maximum Number          | Mounting         | Type of Contacts | Reference | Unit MRP [₹] |
|-------------------------|-------------------------|------------------|------------------|-----------|--------------|
| Auxiliary Contact Block | 2 (1 Each For OF or SD) | Internal Plug-In | NO + NC          | GV4AE11   | On Request   |

### Rotary Handles

| Description  | Type                       | Degree of Protection | Reference | Unit MRP [₹] |
|--|----------------------------|----------------------|-----------|--------------|
| Direct Mounting Rotary Handle  | BLACK                      | IP40                 | GV4ADN01  | On Request   |
|  | BLACK                      | IP54                 | GV4APN01  |              |
| Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm) | RED HANDLE ON YELLOW BEZEL | IP54                 | GV4APN02  |              |
|  | RED HANDLE ON YELLOW BEZEL | IP65                 | GV4APN04  |              |

### Connection Accessories

| Description   | Reference |
|---|-----------|
| Spreader 3-pole (To increase pitch to 35mm) (1 pce) | LV426940  |

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Power

## Circuit Breakers for Motor Protection

### Accessories for Motor Circuit Breakers

| Description  | Reference                                    | Unit MRP [₹] |
|--|--|--------------|
| <b>For GV2</b>   |  |              |
| Front contact NO or NC <sup>(1)</sup>  | GVAE1  | 1125         |
| Front contact NO + NC  | GVAE11 <input checked="" type="checkbox"/>   | 1380         |
|  | GVAE20                                       | 1525         |
| Side contact NO + NC   | GVAN11 <input checked="" type="checkbox"/>   | 1665         |
|  | GVAN20                                       |              |
| Fault signalling contact + 1NO contact <sup>(2)</sup>                          | GVAD1010 <input checked="" type="checkbox"/> | 2170         |
| Fault signalling contact + 1NC contact <sup>(2)</sup>                          | GVAD1001                                     |              |
| Short circuit signalling contact block 1 C/O                                   | GVAM11                                       | 2070         |
| Under voltage trip   | 110 ... 115V 50Hz GVAU115                    | 4465         |
|  | 220 ... 240V 50Hz GVAU225                    |              |
|  | 380 ... 400V 50Hz GVAU385                    |              |
| Shunt trip   | 110 ... 115V 50Hz GVAS115                    | 3960         |
|  | 220 ... 240V 50Hz GVAS225                    |              |
|  | 380 ... 400V 50Hz GVAS385                    |              |
| Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P. | GV1L3  | 6390         |
| Connection block - GV2 with contactor LC1-D09..D38                             | GV2AF3                                       | 775          |
| Connection block - LS1 D32 or GV2 with Contactor LC1-K or LP1-K                | GV2AF01                                      | 840          |
| Empty enclosure for GV2ME - plastic  | GV2MP02                                      | 3675         |
|  | GV2MC02                                      | 4035         |

(1) Choice of NC or NO contact operation depending on which way round the reversible block is mounted.

(2) The GV-AD is always mounted next to the circuit breaker.

### Busbars

| Connection Pitch | No. of Tapoff Points | Reference | Unit MRP [₹] |
|------------------|----------------------|-----------|--------------|
| <b>For GV2</b>   |                      |           |              |
| 45 mm            | 2                    | GV2G245   | 2165         |
|                  | 4                    | GV2G445   | 3405         |
| 54 mm            | 2                    | GV2G254   | 1980         |
|                  | 3                    | GV2G354   | 2225         |
|                  | 4                    | GV2G454   | 2790         |
| 72 mm            | 5                    | GV2G554   | 3020         |
|                  | 4                    | GV2G472   | 3415         |

| Description  | Reference | Unit MRP [₹] |
|--|-----------|--------------|
| <b>Accessories for Busbars</b>                           |           |              |
| Terminal block - to supply one or more 3-pole busbar GV2 | GV2G05    | 4280         |
| Protective end covers for unused busbar outlets          | GV1G10    | 755          |
| Terminal block for connection from top                   | GV1G09    | 2235         |

### Accessories for Motor Circuit Breakers

| Description   | Reference                                    | Unit MRP [₹] |
|---|--|--------------|
| <b>For GV2-P/GV2-L</b>                                  |  |              |
| External operator - IP54, Black                         | GV2APN01 <input checked="" type="checkbox"/> | 3930         |
| External operator - IP54, Yellow/Red                    | GV2APN02                                     | 7315         |
| Visible isolation block - for motor circuit breaker GV2 | GV2AK00                                      | 3325         |
| <b>For GV3P/GV3L</b>                                    |  |              |
| <b>Auxiliary Contacts</b>                               |  |              |
| Front contact: 1 NO (fault) + 1NC (Auxiliary)           | GVAED011                                     | 1435         |
| Front contact: 1 NO (fault) + 1NO (Auxiliary)           | GVAED101                                     | 1575         |
| <b>Busbar</b>   |  |              |
| 3-pole, 3 tap, 64 mm pitch                              | GV3G364                                      | 2080         |
| S-shape bus bar   | GV3S   | 1555         |
| <b>External Operator</b>                                |  |              |
| IP54, Black   | GV3APN01                                     | 4740         |
| IP54, Yellow/Red  | GV3APN02                                     | 4590         |

**Note:** All other accessories are same as of GV2.

Busbars GV3G364 and GV3S are not compatible with GV3\*73 and GV3\*80.

| Description   | Operating Voltage | Reference                                   | Unit MRP [₹] |
|---|-------------------|---|--------------|
| <b>For GV5 and GV6</b>  |                   |   |              |
| Auxiliary contact - 1 OC  | -                 | GV7AE11 <input checked="" type="checkbox"/> | 3295         |
| Clip-on connector - upto 150 A - 1.5..95 mm <sup>2</sup>        | -                 | GV7AC021                                    | 1360         |
| Clip-on connector- upto 220 A - 1.5..185 mm <sup>2</sup>        | -                 | GV7AC022                                    | 1870         |
| Front rotary handle   | -                 | GV7AP03                                     | 5665         |
| GV7AP GV7R - black handle <sup>(2)</sup>                        | -                 | GV7AP01                                     | 9850         |
| Padlocking device - 1..3 padlocks Ø 5..8mm shank <sup>(3)</sup> | -                 | GV7V01                                      | 1235         |
| Terminal shields IP405 <sup>(1)</sup>                           | -                 | GV7AC01                                     | 3505         |

### For GV5 and GV6

|                       |                            |          |      |
|-----------------------|----------------------------|----------|------|
| Shunt release         | 200...240 V AC<br>50/60 Hz | GV7AS207 | 7485 |
| Under Voltage release | 200...240 V AC<br>50/60 Hz | GV7AU207 | 7730 |

(1) Terminal shields cannot be used together with spreaders.

(2) For mounting direct rotary handle on enclosure door.

This accessory makes it possible to open the door if the device is closed and prevents the device from being closed if the door is open.

(3) For Circuit breaker not fitted with a rotary handle

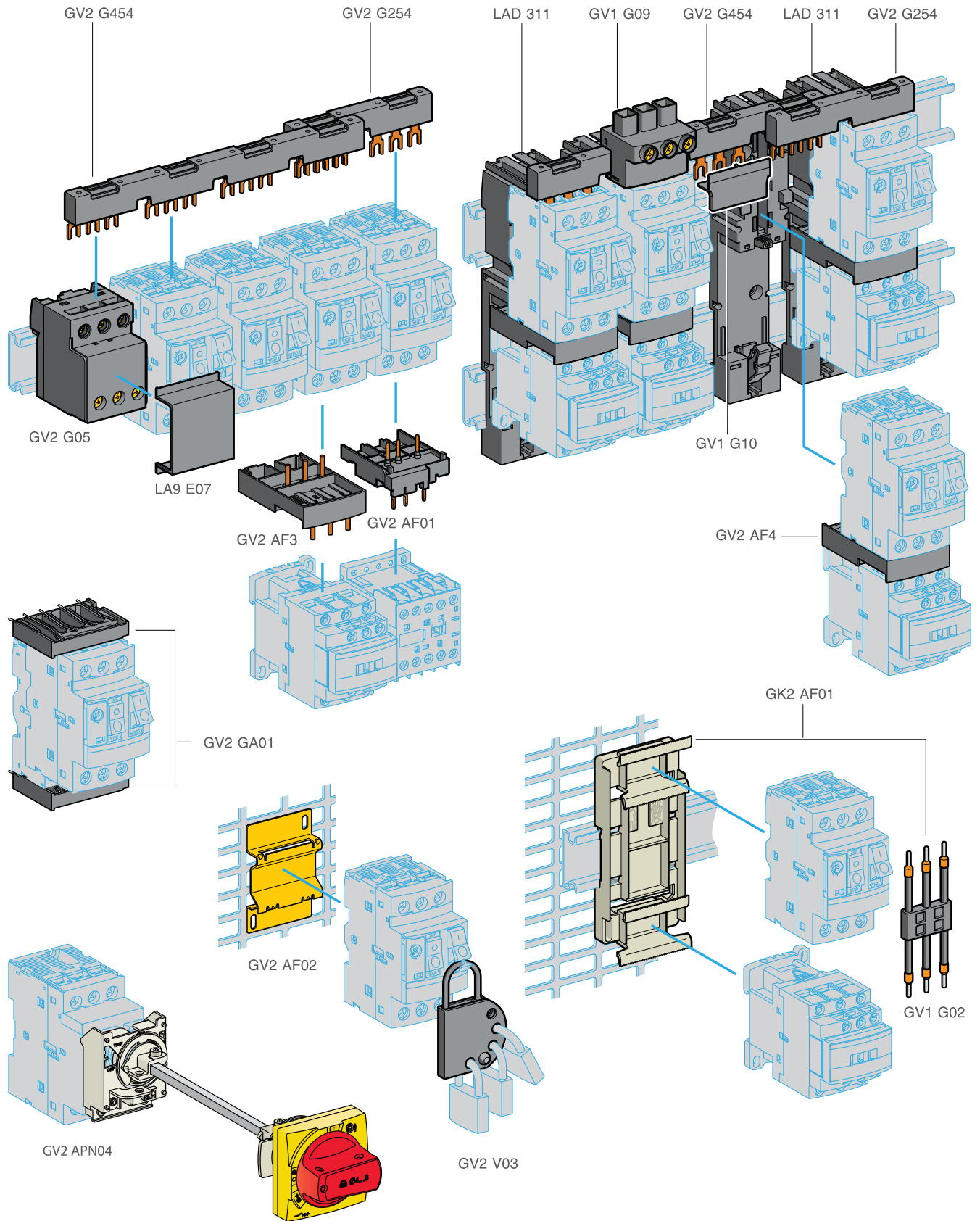
It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys

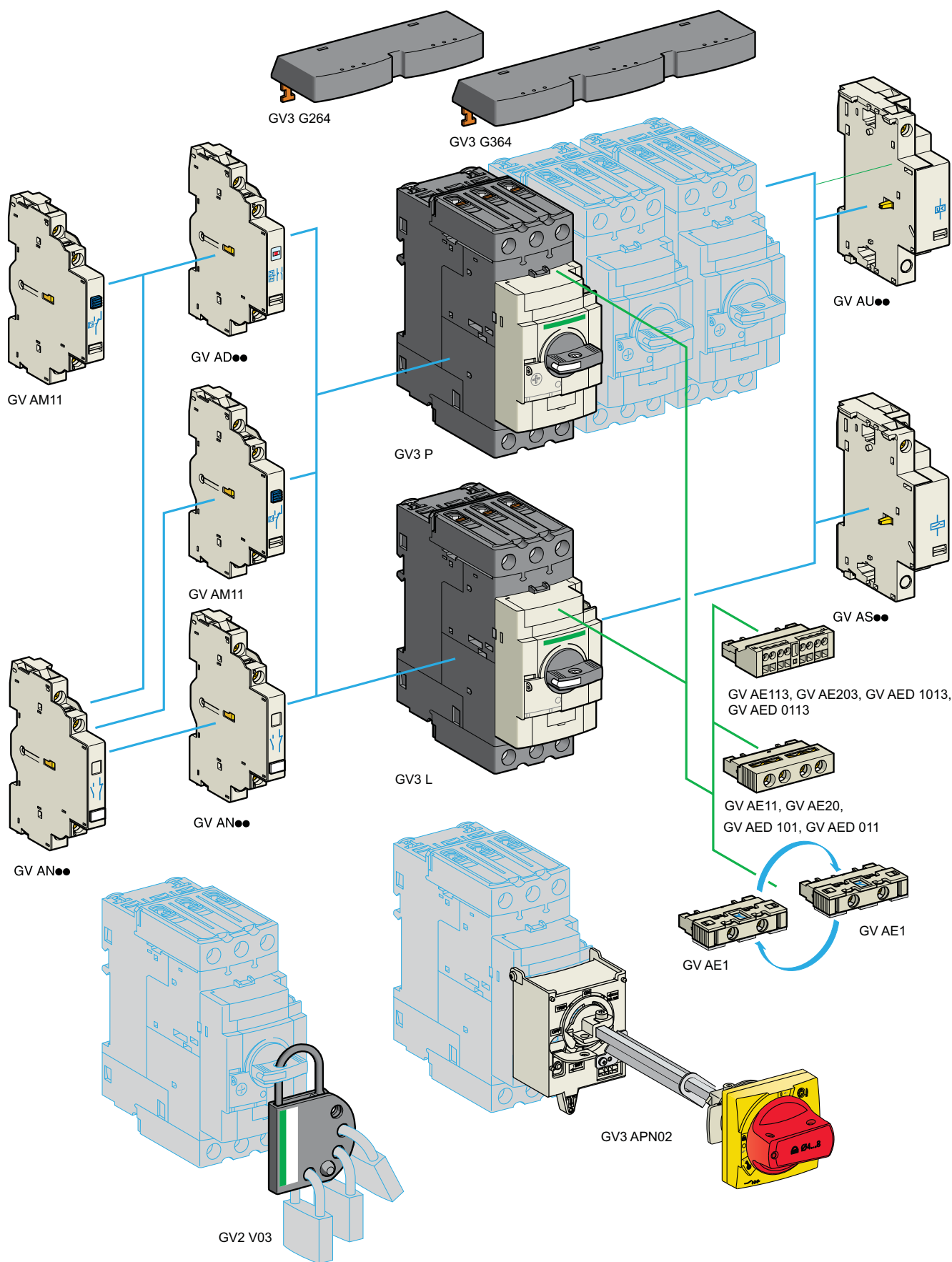
## Accessories compatibility



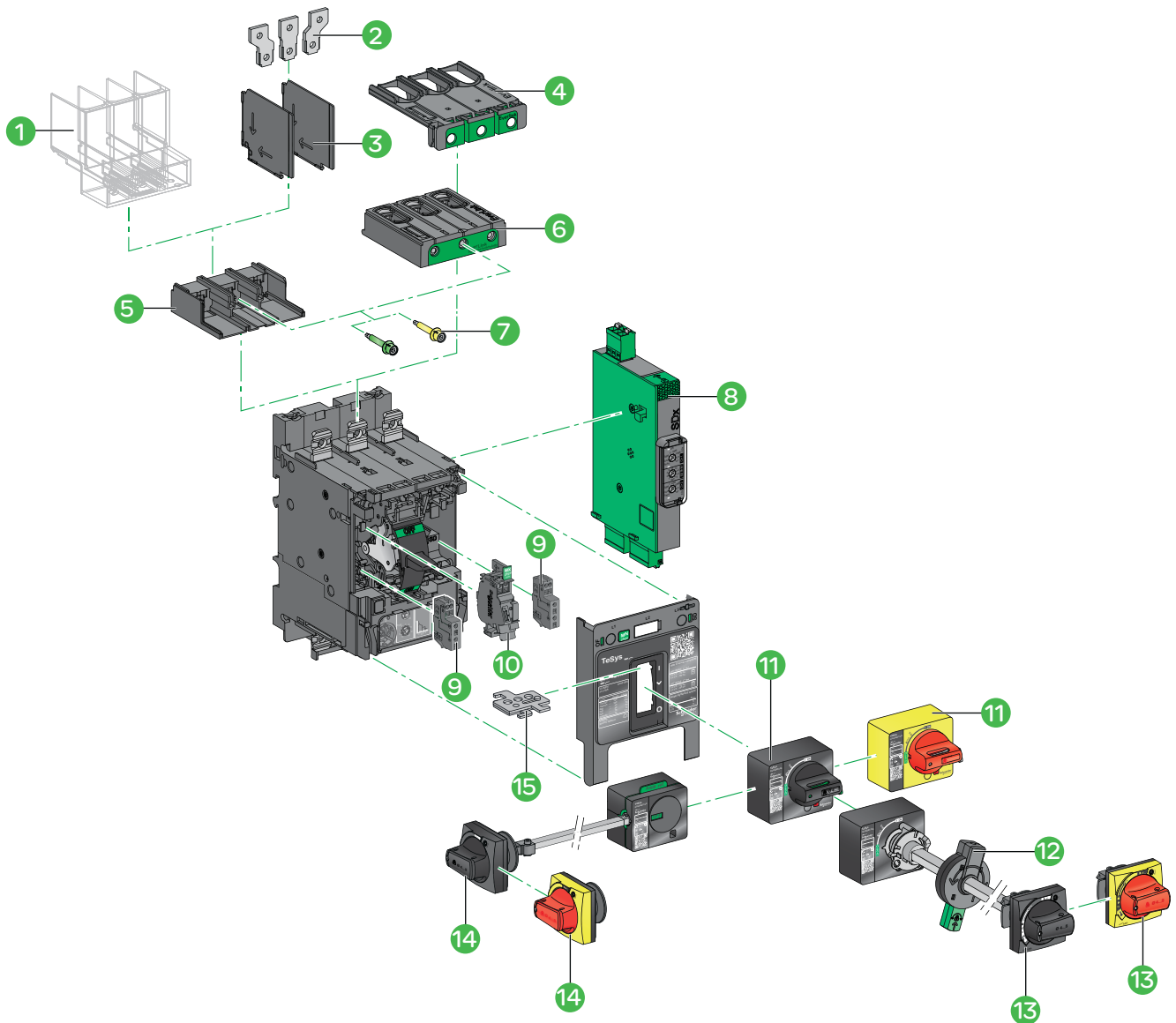


# TeSys

## Accessories compatibility



# TeSys GV4 Overview



- 1 Long terminal shield LAD96590
- 2 Terminal spreaders LV426940
- 3 Interphases barriers LV426920
- 4 Large spacing cover for EverLink connector GV4G66
- 5 Crimp lug connector GV4LUG
- 6 EverLink® connector LAD96595
- 7 Torque limiting breakaway bits LV42699p
- 8 SDx alarming/fault differentiation module GV4ADM1111 (only with GV4PEM)
- 9 Auxiliary contact block for OF or SD function GV4AE11
- 10 - MN undervoltage release GV4AUpp  
- MX shunt trip GV4ASpp
- 11 Direct mounting black or red on yellow bezel rotary handle GV4ADN01/ GV4ADN02
- 12 Open door shaft operator (for front extended rotary handle) LV426937
- 13 Front extended rotary handle kit with red handle on yellow bezel or black handle GV4APN01/ GV4APN02 /GV4APN04
- 14 Side rotary handle kit with red handle on yellow bezel or black handle LV426935/LV426936.
- 15 Toggle locking device 29370

# TeSys Control

## TeSys Switches

### Vario Switch Disconnectors

| [Ithe] Conventional Thermal Current**           | Poles Description | Rated Operational Power (AC-23)* | Reference | Unit MRP [₹] |
|---|-------------------|----------------------------------|-----------|--------------|
| <b>Complete Enclosed Switches</b>               |                   |                                  |           |              |
| • Range 12 to 175A, IP 65 Sealable and Lockable |                   |                                  |           |              |
| 10  | 3P                | 4 kW                             | VCF02GE   | 3875         |
| 16  | 3P                | 5.5 kW                           | VCF01GE   | 4215         |
| 20  | 3P                | 7.5 kW                           | VCF0GE    | 5125         |
| 25  | 3P                | 11 kW                            | VCF1GE    | 5500         |
| 32  | 3P                | 15 kW                            | VCF2GE    | 6445         |
| 50  | 3P                | 22 kW                            | VCF3GE    | 9965         |
| 63  | 3P                | 30 kW                            | VCF4GE    | 11660        |

\* Rated Power at 415V  
\*\* Ith in enclosure

| For Switch Type (Amps)         | Mounting Arrangement | Ingress | Reference | Unit MRP [₹] |
|--------------------------------|----------------------|---------|-----------|--------------|
| <b>Operators (Padlockable)</b> |                      |         |           |              |
| 12 - 40                        | 4 Screw Fixing       | IP65    | KCF1PZ    | 1105         |
| 63 - 80                        | 4 Screw Fixing       | IP65    | KCF2PZ    | 1170         |
| 125 - 175                      | 4 Screw Fixing       | IP40    | KCF3PZ    | 4730         |

### Vario Switch Disconnectors

| [Ithe] Conventional Thermal Current**            | Poles Description | Reference | Unit MRP [₹] |
|--|-------------------|-----------|--------------|
| <b>Complete Switch with Padlockable Operator</b> |                   |           |              |
| • Suitable for Front Mounting or Base Mounting   |                   |           |              |
| 12   | 3P                | VCF02     | 2435         |
| 20   | 3P                | VCF01     | 2650         |
| 25   | 3P                | VCF0      | 3090         |
| 32   | 3P                | VCF1      | 3240         |
| 40   | 3P                | VCF2      | 4015         |
| 63   | 3P                | VCF3      | 8110         |
| 80   | 3P                | VCF4      | 6805         |
| 125  | 3P                | VCF5      | 15595        |
| 175  | 3P                | VCF6      | 18905        |
| <b>Switch Bodies</b>                             |                   |           |              |
| 12   |                   | V02       | 1585         |
| 20   |                   | V01       | 1830         |
| 25   |                   | V0        | 2175         |
| 32   |                   | V1        | 2650         |
| 40   |                   | V2        | 3240         |
| 63   |                   | V3        | 4510         |
| 80   |                   | V4        | 5930         |
| 125  |                   | V5        | 12030        |
| 175  |                   | V6        | 15355        |

### Accessories

| Description                     | For Use with Switch Bodies | Rating in A | Pole Composition | Earth Contact | Auxiliary Contacts | Reference | Unit MRP [₹] |
|---------------------------------|----------------------------|-------------|------------------|---------------|--------------------|-----------|--------------|
| <b>Vario Add-on Modules (1)</b> |                            |             |                  |               |                    |           |              |
| Main Pole Module                | V02/VCF02                  | 12          | 1P               | -             | -                  | VZ02      | 1135         |
|                                 | V01/VCF01                  | 20          | 1P               | -             | -                  | VZ01      | 1155         |
|                                 | V0/VCF0                    | 25          | 1P               | -             | -                  | VZ0       | 1230         |
|                                 | V1/VCF1                    | 32          | 1P               | -             | -                  | VZ1       | 1205         |
|                                 | V2/VCF2                    | 40          | 1P               | -             | -                  | VZ2       | 1290         |
|                                 | V3/VCF3                    | 63          | 1P               | -             | -                  | VZ3       | 1675         |
|                                 | V4/VCF4                    | 80          | 1P               | -             | -                  | VZ4       | 1675         |
| Neutral Pole Module(2)          | V02 / VCF02 to V2 / VCF2   | -           | 1N               | -             | -                  | VZ11      | 1380         |
|                                 | V3 / VCF3 to V4 / VCF4     | -           | 1N               | -             | -                  | VZ12      | 1850         |
|                                 | V5 / VCZ5 to V6 / VCZ6     | -           | 1N               | -             | -                  | VZ13      | 3820         |
| Earthing Module                 | V02 / VCF02 to V2 / VCF20  | -           | -                | -             | -                  | VZ14      | 1365         |
|                                 | V3 / VCF3 to V4 / VCF4     | -           | -                | 1             | -                  | VZ15      | 1610         |
|                                 | V5 / VCZ5 to V6 / VCZ6     | -           | -                | 1             | -                  | VZ16      | 2500         |
| Auxiliary Contact Block Module  | V02/ VCF02 to V6 / VCZ6    | -           | -                | -             | 1NO + 1NC          | VZ7       | 1425         |
|                                 | V2/ VCF02 to V6 / VCZ6     | -           | -                | -             | 2NO                | VZ20      |              |

(1) For mounting option of modules, please refer to the technical catalogue.

(2) With early make and late break contacts

| Description  | For Use With   | Reference | Unit MRP [₹] |
|--|----------------|-----------|--------------|
| <b>Components for Door Interlocking</b>                  |                |           |              |
| Shaft extension - for Mini-VARIO and VARIO - V02..V2     | V02...V2       | VZ17      | 1365         |
|  |                | VZ30      | 1610         |
| Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6 | V3, V4, V5, V6 | VZ18      | 1830         |
|  |                | VZ31      | 470          |
| Door interlock plate                                     | VZ17 / VZ30    | KZ32      | 810          |
|  |                | VZ18/31   | KZ74         |
| <b>Input Terminal Protection Shrouds</b>                 |                |           |              |
| Terminal Shrouds   | V02 - V2       | VZ8       | 460          |
|  |                | VZ26      | 400          |
|  | V3 - V4        | VZ9       | 485          |
|  |                | VZ27      | 400          |
|  | V5 - V6        | VZ10      | 610          |
|  |                | VZ28      | 680          |
| V02 - V6   | VZ29           | 555       |              |

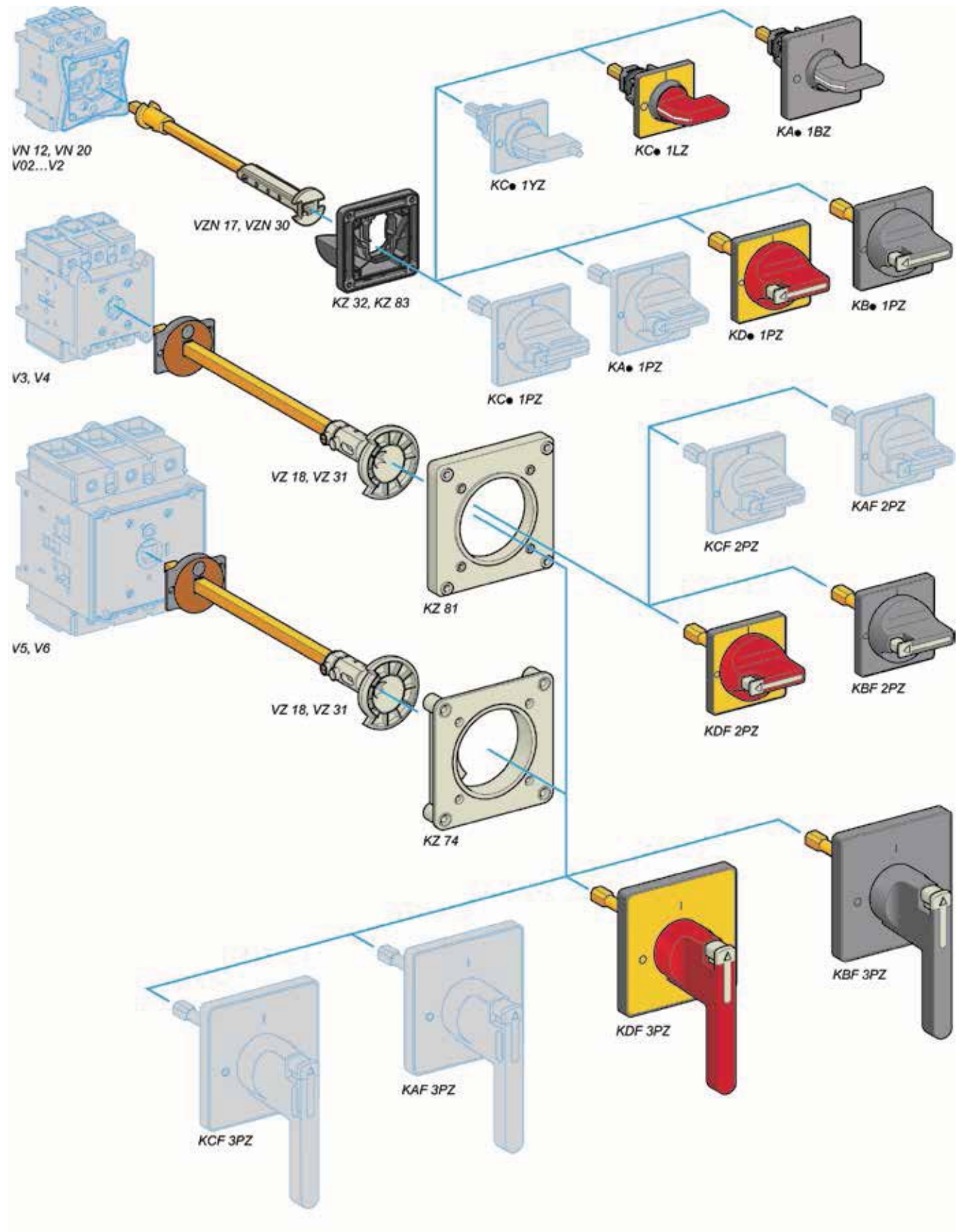
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## Accessories for Switches





## Machine builders, it is time to cut engineering time and costs — DIGITIZE load management

### TeSys island

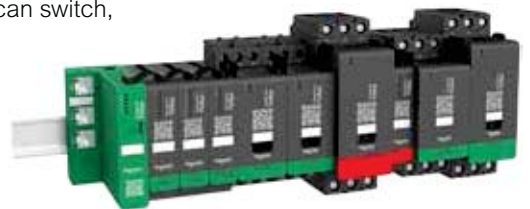
#### Unique features

TeSys island is a smart, digital multifunctional load management system; it can switch, protect, manage motors and other electrical loads up to 80 Amps (AC3) in an electrical control panel.

#### Benefits

Why should you choose TeSys island?

- Quicker engineering and reduce time to market
- Embedded algorithms detect abnormal load behaviors and generate alarms before machine stoppage.
- Pre-trip warnings can also be set on the system for scheduled maintenance.
- Fast device replacement on any portion of the island is possible because of the full integration of the system and the integrated Bus coupler resulting in reduced downtime.
- TeSys island provides energy monitoring at the load level
- Health status can be easily accessed, remotely or locally. This energy management data can be used for advanced analytics to increase machine efficiency further
- TeSys island can be easily integrated into Schneider Electric's EcoStruxure Machine architecture and 3rd party automation systems, supporting all major field buses.



For more information  
on TeSys island  
Digital Load  
Management System

# TeSys Active

## TeSys island

### Enable smarter design and engineering

#### Efficient

Make your machines intelligent, save time and costs with intuitive programming and commissioning using TeSys avatars. Simplify software integration within all major automation environments. One-click mounting on DIN rail and no need for control wiring.

#### Enable new business models

Use load data and status information to create new service enabled business models. Access your machine from remote during operation & maintenance.

#### A data provider

Get relevant data for digital load management & advanced analytics. Monitor energy at load level, remote users can easily check health status, troubleshoot and diagnose issues and take action, reduce machine stoppages and machine downtime.

#### Improved security

Benefit from the highest cybersecurity and safety levels. Safety IO / Scalable with embedded diagnostic.

### Technical specifications

- System consists of DOL Starters & Input / Output modules
- System manages motors and other electrical loads up to 80A/37kW/50hp
- Up to 20 modules / 1 meter at one bus coupler
- No mechanical adjustments/settings required
- International standards-compliant
- Energy monitoring at the load level
- Only 21 commercial references for the complete system, including 5 standard motor starters and 5 functional safety motor starters
- Cybersecurity embedded into the system (Achilles Level 2 & Safety up to Cat 2)
- Safety stop TUV certified (Stop 0 and 1 with wiring categories 1 to 2, suitable for PL c,d (Performance Level) and SIL level 2)
- Open connectivity thanks to Ethernet IP and Modbus TCP fieldbuses

# TeSys Active

## TeSys island

TeSys island is an innovative digital load management solution-providing data for higher machine efficiency and ease of servicing, and allowing faster time to market.

TeSys island is a modular, multifunctional system providing integrated functions inside an automation architecture, primarily for the direct control and management of low-voltage loads.

After commissioning, TeSys island can switch, help protect, and manage motors and other electrical loads up to 37 kW installed in an electrical control panel.

This system is designed around the concept of TeSys avatars. These avatars:

- Are the functional object representing a logical function of the physical module with pre-defined logic
- Determine the configuration of the island.

The logical aspects of the island are managed with software tools, covering all phases of product and application lifecycle: design, engineering, commissioning, operation, and maintenance.



- |                            |                          |
|----------------------------|--------------------------|
| 1 Bus Coupler              | 5 Power interface module |
| 2 Analog I/O module        | 6 Standard Starter       |
| 3 Digital I/O module       | 7 SIL Starter            |
| 4 Voltage interface module | 8 SIL interface module   |

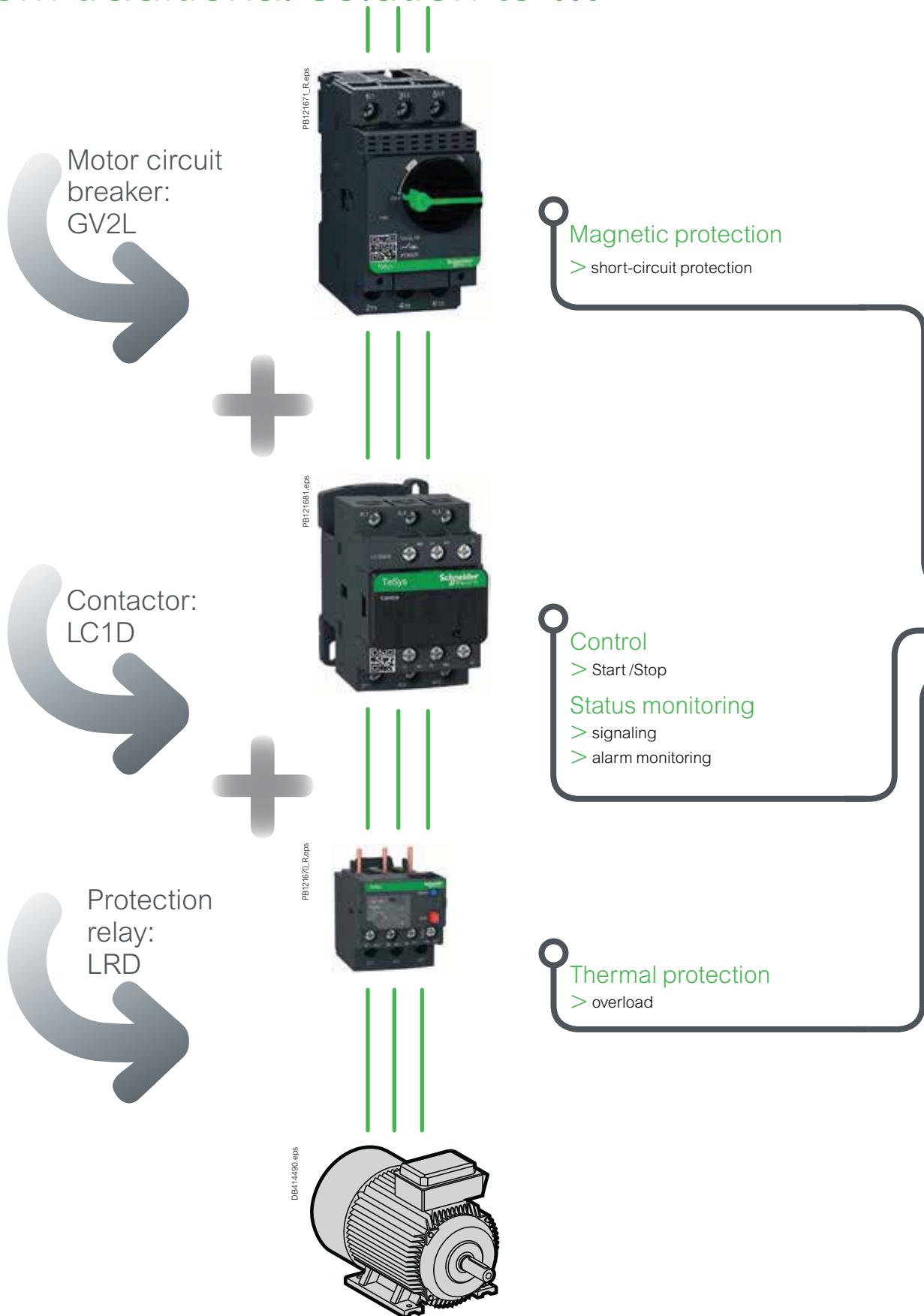
| Designation                                  | Product Commercial Reference                                 |           |
|--|--|-----------|
| <b>TeSys island components</b>               |  |           |
| Standard Starter                             | 9A (AC-3)  | TPRST009  |
|  | 25A (AC-3)   | TPRST025  |
|  | 38A (AC-3)   | TPRST038  |
|  | 65A (AC-3)   | TPRST065  |
|  | 66A (AC-3) - 80A (AC-1)                                      | TPRST080  |
| SIL Starter                                  | 9A (AC-3)  | TPRSS009  |
|  | 25A (AC-3)   | TPRSS025  |
|  | 38A (AC-3)   | TPRSS038  |
|  | 65A (AC-3)   | TPRSS065  |
|  | 66A (AC-3) - 80A (AC-1)                                      | TPRSS080  |
| Power interface module                       | 9A (AC-3)  | TPRPM009  |
|  | 38A (AC-3)   | TPRPM038  |
|  | 80A (AC-3)   | TPRPM080  |
| Voltage interface module                     |  | TPRVM001  |
| SIL interface module                         |  | TPRSM001  |
| Digital I/O module                           | (4 input - 2 output)   | TPRDG4X2  |
| Analog I/O module                            | (2 input - 1 output)   | TPRAN2X1  |
| Bus Coupler                                  | EtherNet/IP - Modbus TCP                                     | TPRBCEIP  |
|  | PROFINET   | TPRBCPFN  |
|  | PROFIBUS   | TPRBCPFBS |
| <b>Assembly and Wiring Kits</b>              |  |           |
| Kit for reversing starter application        | for 9, 25, 38A (size 1 and 2) starters                       | LAD9R1    |
|  | for 65, 80A (size 3) starters                                | LAD9R3    |
| Jumper bar 3-pole for Star Delta application | for 9, 25, 38A (size 1 and 2) starters                       | LAD9P3    |
|  | for 65, 80 A (size 3) starters, a hazard sticker is provided | LAD9SD3S  |

# TeSys Control

## Ultra motor starters

### Introduction

## From traditional solution to ...





# TeSys Control

## Ultra motor starters

### Introduction

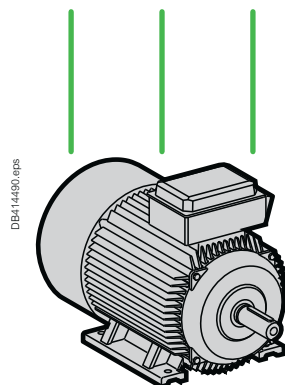
## ...Ultra motor starter



### Ultra motor starter

> All basic or advanced protection and control functions in one block and more...

- > Overload indication and alarm
- > Status report, remote control via communication bus



**Ultra motor starters** can be used in **80 %** of motor protection and control applications.

# ComPact NSXm & NSX

Schneider Electric is proud to introduce the new generation of ComPacT MCCBs. These breakers talk to you, wherever you are, in all transparency. New design complements new wireless connectivity capabilities with our latest wireless auxiliary contact.

## ComPact Design



### New signature design

- Schneider Electric green signature style for the entire ComPacT range
- Estimated 40% reduction of wiring time for panel builders
- Experience easier installation thanks to a new ergonomic front-plate design
- Gain the confidence that all auxiliaries are on the right spot, and simply double check that you have the right coil rating
- Ergonomic new toggle for easier breaker manual operation

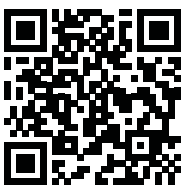
## Wireless Auxiliary Contact



### Wireless breaker status

- Plug & play technology for clear connection status (0 or 1, no half-way wired)
- Placed in the same position as the wired version, its LED light will give you direct indication in case of a tripping
- If you are away, your ComPacT will send you an immediate notification via EcoStruxure Facility Expert for instance
- Wireless auxiliary accelerates overall wiring time: status communication is done very simply and commissioned wirelessly
- Communication architecture is fully EcoStruxure Power validated, with any application

### Ready to meet the new face of ComPacT?



Meet the new generation of ComPacT™ circuit breakers with semi-transparent faceplate, screwless auxiliaries and remote monitoring features.

Learn about the benefits of the ComPacT range here:  
[se.com/compact-nsx](https://se.com/compact-nsx)

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## NSXm Thermal Magnetic Trip Unit (TMD)

- Ics = 100% Icu as per IEC 60947-2
- Adjustable thermal setting 0.7 to 1 x In
- Fixed magnetic settings
- Single frame size upto 160A
- 5 breaking capacities from 16kA to 70kA
- With compression lug connectors
- All the circuit breakers have a transparent lead-sealable cover

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 16kA                                     | 16A           | C11E3TM016B          | 12970        | C11E6TM016B         | 18630        |
|  | 25A           | C11E3TM025B          | 12970        | C11E6TM025B         | 18630        |
|  | 32A           | C11E3TM032B          | 12970        | C11E6TM032B         | 18630        |
|  | 40A           | C11E3TM040B          | 12970        | C11E6TM040B         | 18630        |
|  | 50A           | C11E3TM050B          | 12970        | C11E6TM050B         | 18630        |
|  | 63A           | C11E3TM063B          | 12970        | C11E6TM063B         | 18630        |
|  | 80A           | C11E3TM080B          | 12970        | C11E6TM080B         | 18630        |
|  | 100A          | C11E3TM100B          | 12970        | C11E6TM100B         | 18630        |
|  | 125A          | C12E3TM125B          | 22980        | C12E6TM125B         | 28300        |
| 160A                                     | C12E3TM160B   | 24590                | C12E6TM160B  | 30840               |              |
| 25kA                                     | 16A           | C11B3TM016B          | 12970        | C11B6TM016B         | 18630        |
|  | 25A           | C11B3TM025B          | 12970        | C11B6TM025B         | 18630        |
|  | 32A           | C11B3TM032B          | 12970        | C11B6TM032B         | 18630        |
|  | 40A           | C11B3TM040B          | 12970        | C11B6TM040B         | 18630        |
|  | 50A           | C11B3TM050B          | 12970        | C11B6TM050B         | 18630        |
|  | 63A           | C11B3TM063B          | 12970        | C11B6TM063B         | 18630        |
|  | 80A           | C11B3TM080B          | 12970        | C11B6TM080B         | 18630        |
|  | 100A          | C11B3TM100B          | 12970        | C11B6TM100B         | 18630        |
|  | 125A          | C12B3TM125B          | 22980        | C12B6TM125B         | 28300        |
| 160A                                     | C12B3TM160B   | 24590                | C12B6TM160B  | 30840               |              |
| 36kA                                     | 16A           | C11F3TM016B          | 15800        | C11F6TM016B         | 20000        |
|  | 25A           | C11F3TM025B          | 15800        | C11F6TM025B         | 20000        |
|  | 32A           | C11F3TM032B          | 15800        | C11F6TM032B         | 20000        |
|  | 40A           | C11F3TM040B          | 15800        | C11F6TM040B         | 20000        |
|  | 50A           | C11F3TM050B          | 15800        | C11F6TM050B         | 20000        |
|  | 63A           | C11F3TM063B          | 15800        | C11F6TM063B         | 20000        |
|  | 80A           | C11F3TM080B          | 15800        | C11F6TM080B         | 20000        |
|  | 100A          | C11F3TM100B          | 15800        | C11F6TM100B         | 20000        |
|  | 125A          | C12F3TM125B          | 23610        | C12F6TM125B         | 29400        |
| 160A                                     | C12F3TM160B   | 24780                | C12F6TM160B  | 31710               |              |
| 50kA                                     | 16A           | C11N3TM016B          | 18790        | C11N6TM016B         | 23560        |
|  | 25A           | C11N3TM025B          | 18790        | C11N6TM025B         | 23560        |
|  | 32A           | C11N3TM032B          | 18790        | C11N6TM032B         | 23560        |
|  | 40A           | C11N3TM040B          | 18790        | C11N6TM040B         | 23560        |
|  | 50A           | C11N3TM050B          | 18790        | C11N6TM050B         | 23560        |
|  | 63A           | C11N3TM063B          | 18790        | C11N6TM063B         | 23560        |
|  | 80A           | C11N3TM080B          | 18790        | C11N6TM080B         | 23560        |
|  | 100A          | C11N3TM100B          | 18790        | C11N6TM100B         | 23560        |
|  | 125A          | C12N3TM125B          | 28390        | C12N6TM125B         | 32640        |
| 160A                                     | C12N3TM160B   | 28990                | C12N6TM160B  | 34270               |              |
| 70kA                                     | 16A           | C11H3TM016B          | 24020        | C11H6TM016B         | 30980        |
|  | 25A           | C11H3TM025B          | 24020        | C11H6TM025B         | 30980        |
|  | 32A           | C11H3TM032B          | 24020        | C11H6TM032B         | 30980        |
|  | 40A           | C11H3TM040B          | 24020        | C11H6TM040B         | 30980        |
|  | 50A           | C11H3TM050B          | 24020        | C11H6TM050B         | 30980        |
|  | 63A           | C11H3TM063B          | 24020        | C11H6TM063B         | 30980        |
|  | 80A           | C11H3TM080B          | 24020        | C11H6TM080B         | 30980        |
|  | 100A          | C11H3TM100B          | 24020        | C11H6TM100B         | 30980        |
|  | 125A          | C12H3TM125B          | 44710        | C12H6TM125B         | 47510        |
| 160A                                     | C12H3TM160B   | 45190                | C12H6TM160B  | 48470               |              |

**Note:** For Everlink type NSXm MCCBs add prices of LV426970 (3Pole) or LV426971(4Pole) -2 Sets in above MCCBs

For details on stockable and non stockable status, technical parameter, please contact Customer Care Centre

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## NSXm integrated Earth Leakage protection (MicroLogic Vigi 4.1 Trip Unit)

- Standard protection of distribution cables
- Earth leakage protection
- Indication of:
  - Overload alarming (via LEDs and via SDx module)
  - Overload tripping (via the SDx module)
- Earth leakage alarming (via the SDx module)
- Earth leakage tripping (via front face screen and the SDx module).

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 16kA                                     | 25A           | C11E34V025B          | 38510        | C11E44V025B         | 43100        |
|  | 50A           | C11E34V050B          |              | C11E44V050B         |              |
|  | 100A          | C11E34V100B          |              | C11E44V100B         |              |
|  | 160A          | C12E34V160B          |              | C12E44V160B         |              |
| 25kA                                     | 25A           | C11B34V025B          | 40620        | C11B44V025B         | 45550        |
|  | 50A           | C11B34V050B          |              | C11B44V050B         |              |
|  | 100A          | C11B34V100B          |              | C11B44V100B         |              |
|  | 160A          | C12B34V160B          |              | C12B44V160B         |              |
| 36kA                                     | 25A           | C11F34V025B          | 40620        | C11F44V025B         | 46750        |
|  | 50A           | C11F34V050B          |              | C11F44V050B         |              |
|  | 100A          | C11F34V100B          |              | C11F44V100B         |              |
|  | 160A          | C12F34V160B          |              | C12F44V160B         |              |
| 50kA                                     | 25A           | C11N34V025B          | 44350        | C11N44V025B         | 50320        |
|  | 50A           | C11N34V050B          |              | C11N44V050B         |              |
|  | 100A          | C11N34V100B          |              | C11N44V100B         |              |
|  | 160A          | C12N34V160B          |              | C12N44V160B         |              |
| 70kA                                     | 25A           | C11H34V025B          | 48970        | C11H44V025B         | 56300        |
|  | 50A           | C11H34V050B          |              | C11H44V050B         |              |
|  | 100A          | C11H34V100B          |              | C11H44V100B         |              |
|  | 160A          | C12H34V160B          |              | C12H44V160B         |              |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



- Suitability for isolation as defined by standard IEC 60947-3
- Self protected by their high-set magnetic release
- Single frame size upto 160A

## ComPact NSXm NA switch-disconnector

### With Compression Lug connectors

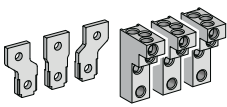
| Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---------------|----------------------|--------------|---------------------|--------------|
| 50A           | C113050BS            | 13300        | C114050BS           | 19670        |
| 100A          | C113100BS            |              | C114100BS           |              |
| 160A          | C123160BS            | 27200        | C124160BS           | 36290        |

## ComPact NSXm NA switch-disconnector

### With EverLink™ connectors

| Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---------------|----------------------|--------------|---------------------|--------------|
| 50A           | C113050LS            | 13970        | C114050LS           | 20670        |
| 100A          | C113100LS            |              | C114100LS           |              |
| 160A          | C123160LS            | 28600        | C124160LS           | 38150        |

Accessories for ComPact NSXm 16A to 160A



Terminal spreaders



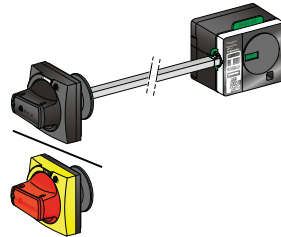
OF or SD auxiliary contact standard



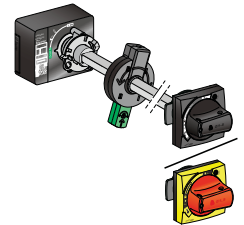
MN or MX voltage releases standard



Direct rotary handle



Side Rotary handle



Extended rotary handle

## NSXm Accessories

### Auxiliary contacts (changeover)

| Description       | Reference | Unit MRP [₹] |
|-------------------|-----------|--------------|
| Standard OF or SD | LV426950  | 1130         |

### Rotary Handles

| Description | Reference | Unit MRP [₹] |
|-------------|-----------|--------------|
|-------------|-----------|--------------|

#### Direct rotary handle

|                       |                        |      |
|-----------------------|------------------------|------|
| Standard black handle | LV426930/<br>LV426930T | 1450 |
|-----------------------|------------------------|------|

#### Extended rotary handle

|                                       |                        |      |
|---------------------------------------|------------------------|------|
| Standard extended rotary black handle | LV426932/<br>LV426932T | 2310 |
|---------------------------------------|------------------------|------|

#### Side rotary handle

|                                   |                        |      |
|-----------------------------------|------------------------|------|
| Standard side rotary black handle | LV426935/<br>LV426935T | 3700 |
|-----------------------------------|------------------------|------|

### Voltage Releases

| Description        | Shunt Release Reference | Unit MRP [₹] | Under Voltage Reference | Unit MRP [₹] |
|--------------------|-------------------------|--------------|-------------------------|--------------|
| <b>AC</b>          |                         |              |                         |              |
| 24 V 50/60 Hz      | LV426841                | 2960         | LV426801                | 3810         |
| 48 V 50/60 Hz      | LV426842                | 4030         | LV426802                | 4340         |
| 110-130 V 50/60 Hz | LV426843                | 2690         | LV426803                | 3500         |
| 220-240 V 50/60 Hz | LV426844                | 2830         | LV426804                |              |
| 380-415 V 50 Hz    | LV426846                | 2690         | LV426806                |              |
| <b>DC</b>          |                         |              |                         |              |
| 24 V               | LV426841                | 2960         | LV426801                | 3810         |
| 48 V               | LV426842                | 4030         | LV426802                | 4340         |
| 125 V              | LV426843                | 2690         | LV426803                | 3500         |
| 250 V              | LV426844                | 2830         | LV426815                | 4230         |

### Spreader Links

| Description | Reference | Unit MRP [₹] |
|-------------|-----------|--------------|
|-------------|-----------|--------------|

#### Spreaders & Phase Barriers

|                         |          |      |
|-------------------------|----------|------|
| Spreaders (Set of 3) 3P | LV426940 | 850  |
| Spreaders (Set of 4) 4P | LV426941 | 1160 |

### Everlink Accessories

| Description | Reference | Unit MRP [₹] |
|-------------|-----------|--------------|
|-------------|-----------|--------------|

#### Everlink Connectors

|   |          |      |
|---|----------|------|
| EverLink connector with control wire terminal for 3P (Set of 3) | LV426970 | 1040 |
| EverLink connector with control wire terminal for 4P (Set of 4) | LV426971 | 1360 |

For details on stockable and non stockable status, technical parameter, please contact Customer Care Centre

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## EasyPact EZC

Fixed Thermal Magnetic Trip Unit (TMD)



- Conforms to IEC60947-2
- Suitable for isolation
- Suitable for EasyPact Busbar system

| Breaking Capacity Icu as per IEC 60947-2              | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---|---------------|----------------------|--------------|---------------------|--------------|
| "30 kA @ 415V AC<br>10kA @ 250V DC (2pole in series)" | 15A           | EZC100H3015          | 6520         | -                   | 9040         |
|   | 20A           | EZC100H3020          |              | EZC100H4020         |              |
|   | 25A           | EZC100H3025          |              | EZC100H4025         |              |
|   | 32A           | EZC100H3032          |              | EZC100H4032         |              |
|   | 40A           | EZC100H3040          |              | EZC100H4040         |              |
|   | 50A           | EZC100H3050          |              | EZC100H4050         |              |
|   | 63A           | EZC100H3063          |              | EZC100H4063         |              |
|   | 80A           | EZC100H3080          |              | EZC100H4080         |              |
| "25 kA @ 415V AC<br>20kA @ 250V DC (2pole in series)" | 100A          | EZC100H3100          |              | EZC100H4100         |              |
|   | 125A          | EZC250N3125          | 9520         | EZC250N4125         | 13130        |
|   | 160A          | EZC250N3160          | 11530        | EZC250N4160         | 15440        |
|   | 200A          | EZC250N3200          | 13690        | EZC250N4200         | 17260        |

## EasyPact CVS

Fixed Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Transparent Cover for trip unit as Standard
- Class II front face
- Single frame size 16-250A

| Breaking Capacity as per IEC 60947-2   | Rated Current | Three Pole Reference                         | Unit MRP [₹]                                 | Four Pole Reference                          | Unit MRP [₹] |
|--|---------------|--|--|--|--------------|
| <b>EasyPact CVS 100 to 630A Overload Setting (I<sub>r</sub>) 0.7 - 1 x I<sub>n</sub></b> |               |  |  |  |              |
| 36kA   | 16A           | LV510330 <input checked="" type="checkbox"/> | 11530  | LV510340                                     | 14400        |
|  | 25A           | LV510331 <input checked="" type="checkbox"/> |  | LV510341                                     |              |
|  | 32A           | LV510332 <input checked="" type="checkbox"/> |  | LV510342 <input checked="" type="checkbox"/> |              |
|  | 40A           | LV510333 <input checked="" type="checkbox"/> |  | LV510343 <input checked="" type="checkbox"/> |              |
|  | 50A           | LV510334 <input checked="" type="checkbox"/> |  | LV510344                                     |              |
|  | 63A           | LV510335 <input checked="" type="checkbox"/> |  | LV510345 <input checked="" type="checkbox"/> |              |
|  | 80A           | LV510336 <input checked="" type="checkbox"/> |  | LV510346                                     |              |
|  | 100A          | LV510337 <input checked="" type="checkbox"/> | LV510347 <input checked="" type="checkbox"/> |  |              |
|  | 125A          | LV516332 <input checked="" type="checkbox"/> | 12810  | LV516342                                     | 15900        |
|  | 160A          | LV516333 <input checked="" type="checkbox"/> | 16960  | LV516343                                     | 20200        |
| 200A   | LV525332      | 24430  | LV525342 <input checked="" type="checkbox"/> | 30270  |              |
| 36kA   | 250A          | LV525333                                     | 27100  | LV525343 <input checked="" type="checkbox"/> | 33540        |
|  | 320A          | LV540305                                     | 35080  | LV540308 <input checked="" type="checkbox"/> | 43520        |
|  | 400A          | LV540306                                     | 35280  | LV540309 <input checked="" type="checkbox"/> | 43900        |
|  | 500A          | LV563305 <input checked="" type="checkbox"/> | 39990  | LV563308 <input checked="" type="checkbox"/> | 50650        |
|  | 630A**        | LV563306 <input checked="" type="checkbox"/> | 45310  | LV563309 <input checked="" type="checkbox"/> | 55590        |

**Note:**

- For performance and other details contact our nearest Sales Office.
- \*\* 630A @ 30°C & 600A @ 40°C for TMD630A MCCB

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## EasyPact EZC

| Description  | EZC100 Reference                                | Unit MRP [₹] | EZC250 Reference                                | Unit MRP [₹] |
|--|---|--------------|---|--------------|
| <b>Auxiliary Contacts (changeover) Multifunction</b> |   |              |   |              |
| Auxiliary Switch 1 C/O                               | EZAUX10 <input checked="" type="checkbox"/>     | 1150         | EZEAX <input checked="" type="checkbox"/>       | 1400         |
| Alarm Switch 1 C/O                                   | EZAUX01   |              | EZEAL <input checked="" type="checkbox"/>       |              |
| Alarm - Auxiliary Switch                             | EZAUX11 <input checked="" type="checkbox"/>     | 1710         | EZEAXAL   | 2030         |
| <b>Spreaders</b>                                     |   |              |   |              |
| Spreaders *(Set Of 3) 3P                             | EZASPDR3P <input checked="" type="checkbox"/>   | 460          | EZESPDR3P <input checked="" type="checkbox"/>   | 700          |
| Spreaders *(Set Of 4) 4P                             | EZASPDR4P <input checked="" type="checkbox"/>   | 970          | EZESPDR4P                                       | 890          |
| <b>Phase Barriers</b>                                |   |              |   |              |
|  | EZAFASB2  | 290          | EZEFASB2  | 410          |
| <b>Rotary Handle</b>                                 |   |              |   |              |
| Direct Rotary handle                                 | EZAROTDS <input checked="" type="checkbox"/>    | 1630         | EZEROTDS  | 2030         |
| Extended Rotary handle                               | EZAROTE   | 2400         | EZEROTE   | 2400         |
| <b>Shunt Release</b>                                 |   |              |   |              |
| <b>AC</b>  |   |              |   |              |
| 100-130 V  | EZASHT100AC                                     | 2470         | EZESHT100AC                                     | 2450         |
| 200-277 V  | EZASHT200AC <input checked="" type="checkbox"/> |              | EZESHT200AC <input checked="" type="checkbox"/> |              |
| 380-480 V  | EZASHT380AC                                     | 2810         | -   | 2470         |
| <b>DC</b>  |   |              |   |              |
| 24 V   | EZASHT024DC                                     | 2710         | EZESHT024DC                                     | 2800         |

## EasyPact CVS

## Auxiliary Contacts (Changeover) Multifunction

| Description                                     | Reference                                    | Unit MRP [₹] |
|---|--|--------------|
| OF or SD or SDE or SDV                          | 29450 <input checked="" type="checkbox"/>    | 1090         |
| OF or SD or SDE or SDV low level                | 29452  | 1270         |
| SDE adapter for trip unit TM or MA or ETS 2.3 # | LV429451 <input checked="" type="checkbox"/> | 940          |

# To be considered alongwith SDE contact for MCCB with TMD/ETS 2.3/MA Trip Unit

## Voltage Releases

| Description        | Shunt Release Reference                      | Unit MRP [₹] | Undervoltage Reference                       | Unit MRP [₹] |
|--------------------|--|--------------|--|--------------|
| <b>AC</b>          |  |              |  |              |
| 220-240 V 50/60 Hz | LV429387 <input checked="" type="checkbox"/> | 3170         | LV429407 <input checked="" type="checkbox"/> | 3920         |

## Installation Accessories

| Description             | 100/160/250A Reference                       | Unit MRP [₹] |
|-------------------------|--|--------------|
| Spreaders (Set of 3) 3P | LV431563 <input checked="" type="checkbox"/> | 730          |
| Spreaders (Set of 4) 4P | LV431564 <input checked="" type="checkbox"/> | 970          |

## Rotary Handles

| Description                     | 100/160/250A Reference                       | Unit MRP [₹] |
|---------------------------------|--|--------------|
| <b>Direct rotary handle</b>     |  |              |
| Standard black handle           | LV429337 <input checked="" type="checkbox"/> | 1530         |
| <b>Extended rotary handle</b>   |  |              |
| Standard extended rotary handle | LV429338 <input checked="" type="checkbox"/> | 2100         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

 NORMAL STOCK ITEMSW.E.F. January 30<sup>th</sup>, 2023

## AC Miniature Circuit Breakers - xC60



- Breaking Capacity as per IEC 60898 and IS/IEC 60898-1, Icn = 10kA
- Breaking Capacity as per IEC 60947-2, Icn = 15kA, upto 40A
- Can be used for DC application upto 60V per pole
- Higher system performance with optimized cost: Cascading\*
- Increased System Continuity: Discrimination\*
- Higher Installation Life: Energy Limitation Class 3, Fast Closure Mechanism
- Ease, Speed and Flexibility of installation - Biconnect, Line-Load Reversible
- Field-fittable auxiliaries for advance protection and monitoring
- Positive Contact Indication for assurance of disconnection

| [In] Rated Current (A) | 1 Pole Reference | Unit MRP [₹] | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width**         | 1 mod            |              | 2 mod            |              | 3 mod            |              | 4 mod            |              |
| MOQ                    | 12 Nos.          |              | 6 Nos.           |              | 4 Nos.           |              | 3 Nos.           |              |

### B curve

|    |            |     |            |      |            |      |            |      |
|----|------------|-----|------------|------|------------|------|------------|------|
| 6  | A9N1P06B ✓ | 442 | A9N2P06B ✓ | 1312 | A9N3P06B ✓ | 2177 | A9N4P06B   | 2933 |
| 10 | A9N1P10B ✓ | 442 | A9N2P10B ✓ | 1312 | A9N3P10B ✓ | 2177 | A9N4P10B ✓ | 3094 |
| 16 | A9N1P16B ✓ | 442 | A9N2P16B ✓ | 1312 | A9N3P16B ✓ | 2177 | A9N4P16B ✓ | 2933 |
| 20 | A9N1P20B ✓ | 442 | A9N2P20B ✓ | 1312 | A9N3P20B ✓ | 2177 | A9N4P20B ✓ | 2933 |
| 25 | A9N1P25B ✓ | 442 | A9N2P25B ✓ | 1312 | A9N3P25B ✓ | 2177 | A9N4P25B ✓ | 2933 |
| 32 | A9N1P32B ✓ | 442 | A9N2P32B ✓ | 1312 | A9N3P32B ✓ | 2177 | A9N4P32B ✓ | 2933 |
| 40 | A9N1P40B ✓ | 960 | A9N2P40B ✓ | 2112 | A9N3P40B ✓ | 3316 | A9N4P40B ✓ | 4223 |
| 50 | A9N1P50B   | 960 | A9N2P50B   | 2112 | A9N3P50B   | 3316 | A9N4P50B   | 4280 |
| 63 | A9N1P63B ✓ | 973 | A9N2P63B ✓ | 2170 | A9N3P63B ✓ | 3344 | A9N4P63B ✓ | 4261 |

### C curve

|    |            |     |            |      |            |      |            |      |
|----|------------|-----|------------|------|------------|------|------------|------|
| 1  | A9N1P01C ✓ | 678 | A9N2P01C ✓ | 1817 | A9N3P01C ✓ | 2867 | A9N4P01C ✓ | 3609 |
| 2  | A9N1P02C ✓ | 678 | A9N2P02C ✓ | 1817 | A9N3P02C ✓ | 2867 | A9N4P02C ✓ | 3609 |
| 3  | A9N1P03C ✓ | 678 | A9N2P03C ✓ | 1817 | A9N3P03C ✓ | 2867 | A9N4P03C ✓ | 3609 |
| 4  | A9N1P04C ✓ | 678 | A9N2P04C ✓ | 1817 | A9N3P04C ✓ | 2867 | A9N4P04C ✓ | 3609 |
| 6  | A9N1P06C ✓ | 409 | A9N2P06C ✓ | 1312 | A9N3P06C ✓ | 2177 | A9N4P06C ✓ | 2933 |
| 10 | A9N1P10C ✓ | 409 | A9N2P10C ✓ | 1312 | A9N3P10C ✓ | 2177 | A9N4P10C ✓ | 2933 |
| 16 | A9N1P16C ✓ | 409 | A9N2P16C ✓ | 1312 | A9N3P16C ✓ | 2177 | A9N4P16C ✓ | 2933 |
| 20 | A9N1P20C ✓ | 409 | A9N2P20C ✓ | 1312 | A9N3P20C ✓ | 2177 | A9N4P20C ✓ | 2933 |
| 25 | A9N1P25C ✓ | 409 | A9N2P25C ✓ | 1312 | A9N3P25C ✓ | 2177 | A9N4P25C ✓ | 2933 |
| 32 | A9N1P32C ✓ | 409 | A9N2P32C ✓ | 1312 | A9N3P32C ✓ | 2177 | A9N4P32C ✓ | 2933 |
| 40 | A9N1P40C ✓ | 960 | A9N2P40C ✓ | 2112 | A9N3P40C ✓ | 3316 | A9N4P40C ✓ | 4138 |
| 50 | A9N1P50C   | 960 | A9N2P50C   | 2112 | A9N3P50C   | 3316 | A9N4P50C   | 4261 |
| 63 | A9N1P63C ✓ | 973 | A9N2P63C ✓ | 2131 | A9N3P63C ✓ | 3425 | A9N4P63C ✓ | 4439 |

### D curve

|    |            |      |            |      |            |      |            |      |
|----|------------|------|------------|------|------------|------|------------|------|
| 1  | A9N1P01D ✓ | 685  | A9N2P01D   | 1836 | A9N3P01D ✓ | 2912 | ----       | ---- |
| 2  | A9N1P02D ✓ | 685  | A9N2P02D ✓ | 1836 | A9N3P02D ✓ | 2912 | A9N4P02D   | 3781 |
| 3  | A9N1P03D ✓ | 685  | A9N2P03D ✓ | 1836 | A9N3P03D ✓ | 2912 | A9N4P03D   | 3808 |
| 4  | A9N1P04D ✓ | 685  | A9N2P04D ✓ | 1836 | A9N3P04D ✓ | 2912 | A9N4P04D   | 3884 |
| 6  | A9N1P06D ✓ | 577  | A9N2P06D ✓ | 1376 | A9N3P06D ✓ | 2293 | A9N4P06D ✓ | 3042 |
| 10 | A9N1P10D ✓ | 577  | A9N2P10D ✓ | 1376 | A9N3P10D ✓ | 2293 | A9N4P10D ✓ | 3042 |
| 16 | A9N1P16D ✓ | 577  | A9N2P16D ✓ | 1376 | A9N3P16D ✓ | 2293 | A9N4P16D ✓ | 3042 |
| 20 | A9N1P20D ✓ | 577  | A9N2P20D ✓ | 1376 | A9N3P20D ✓ | 2293 | A9N4P20D ✓ | 3042 |
| 25 | A9N1P25D ✓ | 577  | A9N2P25D ✓ | 1376 | A9N3P25D ✓ | 2293 | A9N4P25D ✓ | 3042 |
| 32 | A9N1P32D ✓ | 577  | A9N2P32D ✓ | 1376 | A9N3P32D ✓ | 2293 | A9N4P32D ✓ | 3042 |
| 40 | A9N1P40D ✓ | 1036 | A9N2P40D ✓ | 2232 | A9N3P40D ✓ | 3512 | A9N4P40D ✓ | 4405 |
| 50 | A9N1P50D   | 1099 | A9N2P50D   | 2232 | A9N3P50D   | 3512 | A9N4P50D   | 4405 |
| 63 | A9N1P63D   | 1049 | A9N2P63D ✓ | 2259 | A9N3P63D ✓ | 3544 | A9N4P63D ✓ | 4450 |

**Note:** \* Please contact nearest Schneider Electric Sales Office or Customer Care Center for coordination chart

\*\*18mm/module

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## AC Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60898, Icn = 10kA/15kA
- Positive Contact Indication for assurance of disconnection
- Degree of pollution: 3 (suitable for industrial environment)
- Operating Temperature: -30 to 70°C
- Terminal connections: Flexible cables up to 35 sq.mm; Rigid cables up to 50 sq.mm

| [In] Rated Current (A) | 1 Pole Reference | Unit MRP [₹] | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width**         | 1.5 mod          |              | 3 mod            |              | 4.5 mod          |              | 6 mod            |              |
| MOQ                    | 12 Nos.          |              | 6 Nos.           |              | 4 Nos.           |              | 3 Nos.           |              |
| <b>C120N (10kA)</b>    |                  |              |                  |              |                  |              |                  |              |
| 80                     | A9N18357 ✓       | 3607         | A9N18361 ✓       | 7993         | A9N18365 ✓       | 12556        | A9N18372 ✓       | 16363        |
| 100                    | A9N18358 ✓       | 4046         | A9N18362 ✓       | 8526         | A9N18367 ✓       | 13382        | A9N18374 ✓       | 17049        |
| 125                    | A9N18359 ✓       | 4452         | A9N18363 ✓       | 9371         | A9N18369 ✓       | 14843        | A9N18376 ✓       | 19295        |
| <b>C120H (15kA)</b>    |                  |              |                  |              |                  |              |                  |              |
| 80                     | A9N18446         | 4359         | A9N18457         | 9619         | A9N18468         | 14756        | A9N18479         | 20474        |
| 100                    | A9N18447         | 4997         | A9N18458         | 10058        | A9N18469         | 16076        | A9N18480         | 22700        |
| 125                    | A9N18448         | 5254         | A9N18459         | 11411        | A9N18470         | 17349        | A9N18481         | 23980        |

## DC Miniature Circuit Breakers - C60H



- Specially designed MCB for enhanced protection in DC installation
- Magnetic Arc Chutes to quick break DC current in event of fault
- Breaking capacity 6kA as per IEC 60947-2
- Voltage Rating: 1P - 250 V DC & 2P - 500 V DC
- Impulse Voltage: 6 kV
- Higher Installation Life: Energy Limiting Class: 3

| [In] Rated Current (A) | Module Width 18mm/ module | 1 Pole Reference | Unit MRP [₹] | Module Width 18mm/ module | 2 Pole Reference | Unit MRP [₹] |
|------------------------|---------------------------|------------------|--------------|---------------------------|------------------|--------------|
| MOQ                    |                           | 12 Nos.          |              |                           | 6 Nos.           |              |
| <b>C60H-DC</b>         |                           |                  |              |                           |                  |              |
| 0.5                    | 1                         | A9N61500         | 1699         | 2                         | A9N61520         | 3730         |
| 1                      | 1                         | A9N61501 ✓       | 1239         | 2                         | A9N61521 ✓       | 2557         |
| 2                      | 1                         | A9N61502 ✓       | 1239         | 2                         | A9N61522 ✓       | 2557         |
| 3                      | 1                         | A9N61503 ✓       | 1239         | 2                         | A9N61523 ✓       | 2557         |
| 4                      | 1                         | A9N61504 ✓       | 1239         | 2                         | A9N61524 ✓       | 2557         |
| 5                      | 1                         | A9N61505         | 1239         | 2                         | A9N61525         | 2557         |
| 6                      | 1                         | A9N61506 ✓       | 1018         | 2                         | A9N61526 ✓       | 2081         |
| 10                     | 1                         | A9N61508 ✓       | 1018         | 2                         | A9N61528 ✓       | 2081         |
| 16                     | 1                         | A9N61511 ✓       | 1018         | 2                         | A9N61531 ✓       | 2081         |
| 20                     | 1                         | A9N61512 ✓       | 1018         | 2                         | A9N61532 ✓       | 2081         |
| 25                     | 1                         | A9N61513 ✓       | 1018         | 2                         | A9N61533 ✓       | 2081         |
| 32                     | 1                         | A9N61515 ✓       | 1172         | 2                         | A9N61535 ✓       | 2081         |
| 40                     | 1                         | A9N61517 ✓       | 1395         | 2                         | A9N61537 ✓       | 3069         |
| 50                     | 1                         | A9N61518 ✓       | 1395         | 2                         | A9N61538 ✓       | 3069         |
| 63                     | 1                         | A9N61519 ✓       | 1395         | 2                         | A9N61539 ✓       | 3069         |

## Special application MCBs



### Solar Application – PV DC

- DC MCB for multi string PV installations
- Operating Voltage: 800V DC
- Current Rating up to 25A
- Complies to IEC / EN 60947-2



### Rail Application\* (including Rolling Stock)

- Fire & smoke Resistant – Level 2 (NF F 16-101, NF F 16-102)
- Shock & vibration resistant (IEC 61373) – Cat 1, Class B
- Breaking Capacity: up to 25kA
- Complies to IEC / EN 60947-2



### UL MCB

- Type: UL1077, UL489
- Breaking Capacity of 10kA
- Complies to IEC 60947-2 / UL1077 / UL489 / CSA

#### Note:

Please contact nearest Schneider Electric sales office or Customer Care for Reference and prices of Application Specific MCBs

\*Rail Application RCDs are also available on demand

\*\*18mm/module

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### AC Miniature Circuit Breakers - NG125



- Compliance to IEC / EN 60947-2
- High Breaking Capacity MCBs – up to 50kA
- Current Rating up to 125A
- Trip on fault indication on front face of MCB
- Suitability for isolation in the industrial sector to IEC/EN 60947-2
- Available in B, C, D Curves

| [In] Rated Current (A) | 1 Pole Reference | Unit MRP [₹] | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width**         | 1.5 mod          |              | 3 mod            |              | 4.5 mod          |              | 6 mod            |              |

#### NG125N – 25kA Breaking Capacity

|    |       |      |       |       |       |       |       |       |
|----|-------|------|-------|-------|-------|-------|-------|-------|
| 10 | 18610 | 5556 | 18621 | 12779 | 18632 | 18540 | 18649 | 24620 |
| 16 | 18611 | 5291 | 18622 | 9856  | 18633 | 18459 | 18650 | 22428 |
| 20 | 18612 | 5298 | 18623 | 11874 | 18634 | 18540 | 18651 | 22422 |
| 25 | 18613 | 5291 | 18624 | 11641 | 18635 | 17663 | 18652 | 22428 |
| 32 | 18614 | 5291 | 18625 | 11945 | 18636 | 18546 | 18653 | 24613 |
| 40 | 18615 | 6823 | 18626 | 14423 | 18637 | 24262 | 18654 | 31918 |
| 50 | 18616 | 8513 | 18627 | 14988 | 18638 | 23094 | 18655 | 30831 |
| 63 | 18617 | 6823 | 18628 | 15693 | 18639 | 27264 | 18656 | 33701 |
| 80 | 18618 | 7196 | 18629 | 17631 | 18640 | 28661 | 18658 | 33933 |

#### NG125H – 36kA Breaking Capacity

|    |       |      |       |       |       |       |       |       |
|----|-------|------|-------|-------|-------|-------|-------|-------|
| 10 | 18705 | 7993 | 18714 | 10356 | 18723 | 16204 | 18732 | 28098 |
| 16 | 18706 | 6714 | 18715 | 10563 | 18724 | 16204 | 18733 | 28098 |
| 20 | 18707 | 7985 | 18716 | 20712 | 18725 | 22146 | 18734 | 28098 |
| 25 | 18708 | 6223 | 18717 | 13664 | 18726 | 21083 | 18735 | 28105 |
| 32 | 18709 | 6223 | 18718 | 13664 | 18727 | 23151 | 18736 | 28098 |
| 40 | 18710 | 7621 | 18719 | 15793 | 18728 | 23576 | 18737 | 34148 |
| 50 | 18711 | 7768 | 18720 | 17077 | 18729 | 27574 | 18738 | 35073 |
| 63 | 18712 | 7981 | 18721 | 18335 | 18730 | 24152 | 18739 | 38500 |
| 80 | 18713 | 8780 | 18722 | 23941 | 18731 | 31246 | 18740 | 40604 |

#### NG125H – 50kA Breaking Capacity

|    |       |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| 10 | 18777 | 8113  | 18788 | 17805 | 18799 | 28050 | 18810 | 35591 |
| 16 | 18778 | 7760  | 18789 | 16957 | 18800 | 28050 | 18811 | 35591 |
| 20 | 18779 | 7760  | 18790 | 18282 | 18801 | 28050 | 18812 | 35591 |
| 25 | 18780 | 7760  | 18791 | 18275 | 18802 | 26707 | 18813 | 35591 |
| 32 | 18781 | 7760  | 18792 | 18275 | 18803 | 29317 | 18814 | 37209 |
| 40 | 18782 | 9418  | 18793 | 21749 | 18804 | 35051 | 18815 | 44174 |
| 50 | 18783 | 13226 | 18794 | 22847 | 18805 | 37532 | 18816 | 45666 |
| 63 | 18784 | 9889  | 18795 | 25667 | 18806 | 38280 | 18817 | 51095 |
| 80 | 18785 | 14569 | 18796 | 26860 | 18807 | 41608 | 18818 | 50269 |

\*\*18mm/module

**Note:** Reference provided above are for C Curve MCBs – B and D Curve details available on request

# Residual Current Devices (RCDs) - For Human and Fire Protection



**30  
mA**

Use of **30mA RCDs** is now **mandatory** for all **domestic intallations** in India {CEA Amendment regulation 2015\*}



**Schneider Electric provides voltage independent RCDs** which work on current sensing technology and provide protection from residual current even at extra low voltages (down to zero volts) and in case of break of neutral.

**SI  
Type**

**Schneider Electric offers SI RCD built to operate in electrically polluted or installation in aggressive environments:**

- Flourescent / Variable lighting with Electronic ballast
- Powerful IT / Telecom equipment / Air conditioning
- Severe Atmosphere - High lighting risk / Swimming pools

\* for Measures relating to Safety and Electric supply

for protection against Risk of Shock / Electrocution and Risk of Fire  
in case of Earth Leakage Current.

### AC Residual Current Circuit Breakers - xID



Suitable for  
ComReady  
Auxiliary



- Complies to standards IEC/EN 61008-1 and IS 12640
- AC Class protection
- Selective range available for time based discrimination
- Easy Monitoring: Earth fault indication and Test Button on front face
- Operating temperature up to +70°C
- Mandatory to use OF-S auxiliary to add any indication or tripping auxiliary

| [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | 2 Pole Reference | Unit MRP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit MRP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|--------------|--------------------------|------------------|--------------|
| 25                     | 30                             | 2                        | A9N16201         | 4560         | 4                        | A9N16251         | 6401         |
|                        | 100                            | 2                        | A9N16203         | 5061         | 4                        | A9N16253         | 6802         |
|                        | 300                            | 2                        | A9N16202         | 5215         | 4                        | A9N16252         | 7002         |
| 40                     | 30                             | 2                        | A9N16204         | 5367         | 4                        | A9N16254         | 6301         |
|                        | 100                            | 2                        | A9N16205         | 5787         | 4                        | A9N16255         | 6840         |
|                        | 300                            | 2                        | A9N16206         | 6069         | 4                        | A9N16256         | 7104         |
| 63                     | 30                             | 2                        | A9N16208         | 6463         | 4                        | A9N16258         | 7296         |
|                        | 100                            | 2                        | A9N16209         | 6951         | 4                        | A9N16259         | 8081         |
|                        | 300                            | 2                        | A9N16210         | 7091         | 4                        | A9N16260         | 8119         |
| 80                     | 30                             | 2                        | A9N16212         | 10866        | 4                        | A9N16261         | 12870        |
|                        | 100                            | 2                        | A9N16213         | 11047        | 4                        | A9N16262         | 13077        |
|                        | 300                            | 2                        | A9N16214         | 11253        | 4                        | A9N16263         | 13148        |

### AC Residual Current Circuit Breakers (RCCBs) - ID



- Complies to standards IEC 61008-1 and VDE 0664
- AC Class protection
- Degree of pollution: 3 (suitable for industrial environment)
- Electrical ON/OFF indication by using OFSP auxiliary

| Poles Description | [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | Reference  | Unit MRP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|------------|--------------|
| 4P                | 100                    | 30                             | 4                        | **A9R11491 | ----         |
|                   |                        | 100                            | 4                        | **A9R12491 | ----         |
|                   | 125                    | 30                             | 4                        | 16905      | 52673        |
|                   |                        | 100                            | 4                        | 16906      | 51285        |
|                   |                        | 300                            | 4                        | 16907      | 51524        |

Note: \*\*For 100A RCCB Auxiliary kindly contact Customer Care

### AC Residual Current Breaker Overload (RCBO) - DPN N Vigi



Suitable for  
ComReady  
Auxiliary



- Complies to standards IEC/EN 61009
- AC Class Protection; Tripping characteristics - C curve
- Overvoltage category (IEC 60364): IV
- Suitable for indication & tripping auxiliaries

| Poles Description | [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | Reference | Unit MRP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|-----------|--------------|
| 1P+N              | 6                      | 30                             | 2                        | A9N19661  | 7242         |
|                   |                        | 300                            | 2                        | A9N19681  | 7355         |
|                   | 10                     | 30                             | 2                        | A9N19663  | 7242         |
|                   |                        | 300                            | 2                        | A9N19683  | 7355         |
|                   | 16                     | 30                             | 2                        | A9N19665  | 7242         |
|                   |                        | 300                            | 2                        | A9N19685  | 7355         |
|                   | 20                     | 30                             | 2                        | A9N19666  | 7242         |
|                   |                        | 300                            | 2                        | A9N19686  | 7355         |
|                   | 25                     | 30                             | 2                        | A9N19667  | 7242         |
|                   |                        | 300                            | 2                        | A9N19687  | 7355         |
|                   | 32                     | 30                             | 2                        | A9N19668  | 7242         |
|                   |                        | 300                            | 2                        | A9N19688  | 7722         |
|                   | 40                     | 30                             | 2                        | A9N19669  | 9162         |
|                   |                        | 300                            | 2                        | A9N19689  | 9322         |

Note: Application specific RCDs also available with 10mA, 500mA and 1000mA sensitivities | Please contact nearest Schneider Electric Sales Office or Customer Care Center for Reference and Prices

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

for protection against Risk of Shock / Electrocutation and Risk of Fire  
in case of Earth Leakage Current.

## SI Type Residual Current Circuit Breakers (RCCBs) - xID SI



- Complies to standard IEC/EN 61008-1
- SI RCDs offer enhanced immunity against Electrical Disturbances; Polluted and Corrosive environments - Guaranteed performance in harsh operating conditions
- Ensures continuity of supply in networks with:
  - Transient overvoltages
  - Loads generating HF leakage current i.e. harmonics
  - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with:
  - Pulsating DC components
  - HF applications which "Blinds" (non-tripping) the conventional RCDs

| [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | 2 Pole Reference | Unit MRP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit MRP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|--------------|--------------------------|------------------|--------------|
| 25                     | 30                             | 2                        | A9N16234         | 10609        | 4                        | A9N16321         | 11823        |
| 40                     | 30                             | 2                        | A9N16237         | 11143        | 4                        | A9N16324         | 12196        |
| 63                     | 30                             | 2                        | A9N16240         | 11463        | 4                        | A9N16327         | 12523        |
|                        | 300                            | 2                        | A9N16246         | 11549        | 4                        | A9N16334         | 13028        |

## Vigi Block for xC60 (Add-on RCD Module, 2 & 4 Pole)



- Flexibility to use MCB of any tripping curve to suit applications, ensuring best 3 in 1 protection
- No auxiliary supply required
- AC Class protection
- Degree of pollution: 3 (suitable for industrial environment)
- Immune to nuisance tripping due to transient over voltages

| [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | 2 Pole Reference | Unit MRP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit MRP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|--------------|--------------------------|------------------|--------------|
| 25                     | 30                             | 1.5                      | A9N26581         | 7503         | 3                        | A9N26595         | 9009         |
|                        | 100                            | 1.5                      | A9N26582         | 9543         | 3                        | A9N26596         | 9716         |
|                        | 300                            | 1.5                      | A9N26583         | 10090        | 3                        | A9N26597         | 10456        |
| 63                     | 30                             | 2                        | A9N26611         | 10490        | 3.5                      | A9N26643         | 10530        |
|                        | 100                            | 2                        | A9N26612         | 11109        | 3.5                      | A9N26644         | 10936        |
|                        | 300                            | 2                        | A9N26613         | 11636        | 3.5                      | A9N26645         | 11442        |

**Note:** Vigi Block for High Rating up to 125A (C120) and High Breaking Capacity (NG125) available on demand

## SI Type Residual Current Breaker Overload ( RCBO) - DPN N Vigi SI



- Complies to standard IEC/EN 61009
- Ensures continuity of supply in networks with:
  - Transient overvoltages
  - Loads generating HF leakage current i.e. harmonics
  - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with :
  - Pulsating DC components
  - HF applications which "Blinds" (non-tripping) the conventional RCDs

| Poles Description | [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | Reference | Unit MRP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|-----------|--------------|
| 1P+N              | 6                      | 30                             | 2                        | A9N19631  | 14417        |
|                   |                        | 300                            | 2                        | A9N19641  | 13997        |
|                   | 10                     | 30                             | 2                        | A9N19632  | 14417        |
|                   |                        | 300                            | 2                        | A9N19642  | 13989        |
|                   | 16                     | 30                             | 2                        | A9N19634  | 14417        |
|                   |                        | 300                            | 2                        | A9N19644  | 14417        |
|                   | 20                     | 30                             | 2                        | A9N19635  | 13997        |
|                   |                        | 300                            | 2                        | A9N19645  | 13997        |
|                   | 25                     | 30                             | 2                        | A9N19636  | 14417        |
|                   |                        | 300                            | 2                        | A9N19646  | 13997        |
|                   | 32                     | 30                             | 2                        | A9N19637  | 14417        |
|                   |                        | 300                            | 2                        | A9N19647  | 17158        |
|                   | 40                     | 30                             | 2                        | A9N19638  | 17070        |
|                   |                        | 300                            | 2                        | A9N19648  | 18996        |

\*For Prices, please contact nearest Schneider Electric Sales Office or Customer Care Center are Center for Reference and Prices

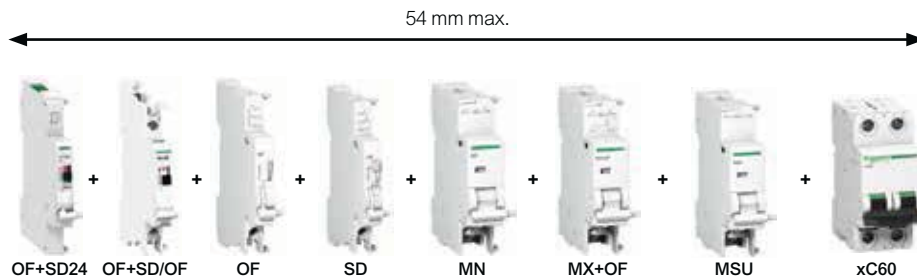
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Common Auxiliaries for xC60 / C120 / RCDs Range

- Field-fittable auxiliaries (clip fitted) mounted on left side with maximum width of 54mm
- Order: Tripping Auxiliaries (MN first) followed by Indication Auxiliaries (SD first)



| Type  | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|---|-----------------------------|-----------|-----------------|
| <b>Indication Auxiliaries</b>   |                             |           |                 |
| OF Auxiliary Switch: for ON/OFF indications                                     | 0.5                         | A9N26924  | 1413            |
| SD Alarm Switch: for Trip on fault indications                                  | 0.5                         | A9N26927  | 1660            |
| OF + SD/OF Auxiliary switch   | 0.5                         | A9N26929  | 4407            |
| OF+SD24 auxiliary contact (ComReady)  | 0.5                         | A9N26899  | 3694            |
| <b>Protection Auxiliaries – Trip Indication on front face</b>                   |                             |           |                 |
| MN Under-voltage Release 220-240V AC  | 1                           | A9N26960  | 5935            |
| MSU Over-voltage Release 275V AC  | 1                           | A9N26500  | 7029            |
| <b>Tripping Auxiliaries – Trip Indication on front face</b>                     |                             |           |                 |
| MX + OF Shunt Release 110-415V AC: for Remote tripping of Circuit Breaker       | 1                           | A9N26946  | 3861            |
| MX + OF Shunt Release 12-24V AC/DC: for Remote tripping of Circuit Breaker      | 1                           | A9N26948  | 3861            |
| <b>Auxiliary Switch for RCCBs – Mandatory for use of Auxiliaries with RCCBs</b> |                             |           |                 |
| Auxiliary switch for RCCB up to 80A (OF-S)                                      | 0.5                         | A9N26923  | 3664            |
| Auxiliary switch for RCCBs 125A (OFSP)  | 0.5                         | 16940     | 2785            |

### Accessories



| Type                                      | Description                     | Reference | Unit MRP<br>[₹] |
|---|---------------------------------|-----------|-----------------|
| Rotary Handle*                            | Breaker Switching Sub-Assembly  | 27046     | 6394            |
|   | Extended, Disconnectable handle | 27047     | 3229            |
| Padlock** (bag of 2)                      |                                 | 26970     | 1256            |
| Multicable terminal for 3 copper cables** |                                 | 19096     | 10393           |
| Aluminum cable terminal**                 |                                 | 27060     | 752             |
| Spacer                                    |                                 | A9N27062  | 317             |

\* for xC60, C120, DPN N Vigi, C60H-DC, xSW - Multi poles only

\*\*for xC60, xID, DPN N Vigi, C60H-DC, xSW, C60PV-DC

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Protection Against Lightning Strikes And Switching Surges



For all low voltage switchboards and electrical enclosures:

## Comprehensive range

- To ensure the protection of equipment connected to:
- Low voltage networks,
- Telecommunications networks,
- Computer networks.
- Easy to implement and use.
- Compatibility with all earthing systems (TT, TNS, TNC, IT).
- Technical and aesthetic consistency

## Continuity of service and certified safety

Schneider Electric certified coordination between the surge arrester and its disconnection circuit breaker.

Compliance with standards: IEC/EN 61643-11.



More and more electrical equipment today is sensitive to overvoltages caused by lightning.



# 90%

of power outlets supply equipment incorporating electronic devices.



iQuick PRD “built-in” technology surge arresters, a Schneider Electric innovation, incorporate their own disconnection circuit breaker: easy to choose and simple to install for greater effectiveness.



Up to **30%** of installation time saved.

### Surge Arresters - Type 1+ 2



- Complies to IEC 61643-1 and EN 61643-11
- Withdraw able type: Easy Replacement
- Inbuilt SPD health Indicator: Also available with remote signaling
- For protection against Direct lightning surge, Indirect lightning surge, Switching surge
- Iimp up to 25kA & Imax upto 40kA
- **Always use a Back-up MCB with your SPD**
- Maximum Operating Voltage [Uc]: 350V

| Type     | Pole Description | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|----------|------------------|-----------------------------|-----------|-----------------|
| PRD1 25r | 1P               | 2                           | 16329     | 23208           |
|          | 1P + N           | 4                           | 16330     | 41658           |
|          | 3P               | 6                           | 16331     | 62471           |
|          | 3P + N           | 8                           | 16332     | 77618           |

### Surge Arresters iPRD- Type 2 (Withdrawable type) (TT, TN-S, TN-C Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against Indirect lightning surge and Switching surge
- Inbuilt health Indicator
- Response time < 25ns
- Imax (8/20 s): 65/40/15/8kA
- Maximum Operating Voltage [Uc]: 340V
- Level of protection,Up: 1.0 - 2.0 kV
- Remote indication contact with 8r/20r/40r/65r
- **Always use a Back-up MCB with your SPD**

| Type    | Rated Voltage (V) | Pole Description | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|---------|-------------------|------------------|-----------------------------|-----------|-----------------|
| iPRD8   | 230               | 1P               | 1                           | A9L08100  | 5574            |
|         | 230               | 1P+N             | 2                           | A9L08500  | 10631           |
|         | 230/400           | 3P               | 3                           | A9L08300  | 14349           |
|         | 230/400           | 3P+N             | 4                           | A9L08600  | 21659           |
| iPRD8r  | 230               | 1P+N             | 2                           | A9L08501  | 12745           |
|         | 230/400           | 3P+N             | 4                           | A9L08601  | 25991           |
|         | 230               | 1P               | 1                           | A9L20100  | 6372            |
| iPRD20  | 230               | 1P+N             | 2                           | A9L20500  | 13365           |
|         | 230/400           | 3P               | 3                           | A9L20300  | 17108           |
|         | 230/400           | 3P+N             | 4                           | A9L20600  | 24187           |
| iPRD20r | 230               | 1P+N             | 2                           | A9L20501  | 15582           |
|         | 230/400           | 3P+N             | 4                           | A9L20601  | 29575           |
|         | 230               | 1P               | 1                           | A9L40100  | 7534            |
| iPRD40  | 230               | 1P+N             | 2                           | A9L40500  | 15392           |
|         | 230/400           | 3P               | 3                           | A9L40300  | 22094           |
|         | 230/400           | 3P+N             | 4                           | A9L40600  | 30809           |
| iPRD40r | 230               | 1P               | 1                           | A9L40101  | 8857            |
|         | 230               | 1P+N             | 2                           | A9L40501  | 19843           |
|         | 230/400           | 3P               | 3                           | A9L40301  | 29733           |
| iPRD65r | 230/400           | 3P+N             | 4                           | A9L40601  | 36977           |
|         | 230               | 1P               | 1                           | A9L65101  | 11841           |
|         | 230               | 1P+N             | 2                           | A9L65501  | 25290           |
| iPRD65r | 230/400           | 3P               | 3                           | A9L65301  | 33002           |
|         | 230/400           | 3P+N             | 4                           | A9L65601  | 42822           |

### Spare Cartridges for iPRD



- Spare Cartridges for iPRD8r, iPRD20r, iPRD40r and iPRD65r
- End of life indication available on front face
- These Cartridges are not compatible with Old SPD range (A9L16...)\*\*

| Type         | Spare Cartridges<br>for   | Reference | Unit MRP<br>[₹] |
|--------------|---------------------------|-----------|-----------------|
| iPRD 65-350  | iPRD65r                   | A9L65102  | 7561            |
| iPRD 40-350  | iPRD40, iPRD40r           | A9L40102  | 5817            |
| iPRD 20-350  | iPRD20, iPRD20r           | A9L20102  | 4662            |
| iPRD 8-350   | iPRD8, iPRD8r             | A9L08102  | 4081            |
| iPRD Neutral | All products (1P+N, 3P+N) | A9L00002  | 6121            |

\*\*Spare Cartridges for Old SPD Range (A9L16...) are available on demand - please contact nearest Schneider Electric Sales Office or Customer Care for Reference and prices

**Note:** Note: For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



### iQuick PRD - Type 2 with inbuilt MCB



- Compact SPD with in-built back up MCB - saving on space, MCB selection, wiring time
- Compliance to EN 61643-11
- Withdrawable Type - Cost Efficient - Allows damaged Cartridges to be replaced without having to replace entire SPD
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available
- Incoming Protection: iQuick PRD 40r (High Risk level) and iQuick PRD 20r (Moderate Risk level)
- Secondary Protection: iQuick PRD 8r is cascade mounted with incoming surge arresters

| Type           | Pole Description | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|----------------|------------------|-----------------------------|-----------|-----------------|
| iQuick PRD 8r  | 1P+N             | 4                           | A9L16298  | 16330           |
|                | 3P               | 6.5                         | A9L16299  | 23322           |
|                | 3P+N             | 7.5                         | A9L16300  | 29020           |
| iQuick PRD 20r | 1P+N             | 4                           | A9L16295  | 18670           |
|                | 3P               | 6.5                         | A9L16296  | 27997           |
|                | 3P+N             | 7.5                         | A9L16297  | 34825           |
| Quick PRD 40r  | 1P+N             | 4                           | A9L16292  | 22240           |
|                | 3P               | 6.5                         | A9L16293  | 33319           |
|                | 3P+N             | 7.5                         | A9L16294  | 41408           |

**Note:** Spare / Replacement Cartridges available - For Reference and prices contact nearest sales office or customer care

### Photovoltaic surge arresters



- Protection for photovoltaic panels and the DC input to the inverter from overvoltages due to a lightning strike
- Type 2 surge arresters
- Should be installed in switchboard inside the building. If switchboard is located outside, it must be weatherproof
- Withdrawable surge arrester allows damaged Cartridges to be replaced quickly
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available

| Type     | U (cpv) Maximum Operating Voltage (V) | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|----------|---------------------------------------|-----------------------------|-----------|-----------------|
| iPRD 40r | 800                                   | 3                           | A9L40271  | 12416           |
|          | 1000                                  | 3                           | A9L40281  | 14474           |

**Note:** Spare / Replacement Cartridges available - For Reference and prices contact nearest sales office or customer care

### Surge Arresters for Communication Networks



- Analogue telephone line protection: iPRC surge arrester wired in series to the private installation input, protects the telephones, the modems (including ADSL) etc
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential
- iPRI protects measuring instrument and PLC sensor inputs and the DC power supply inputs up to 53 V and AC power supply inputs up to 37 V

| Type | [Ue] Operational Voltage (V) | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|------|------------------------------|-----------------------------|-----------|-----------------|
| PRI  | 48 V DC                      | 1                           | A9L16339  | 22589           |
| PRC  | 130 V AC                     | 1                           | A9L16337  | 13543           |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### Isolator - xSW



- Complies to IEC/EN 60947-3
- Switching duty: AC-22
- Impulse voltage: 6kV
- DC application: 48V (110V with 2 poles in series)
- Short circuit withstand 20 In for 1 second
- Upto 80A Bi connect terminals & 100A to 125A with mono connect terminals

| Poles Description | [In] Rated Current (A) | Module Width<br>18mm/module | MOQ | Reference | Unit MRP<br>[₹] |
|-------------------|------------------------|-----------------------------|-----|-----------|-----------------|
| 2                 | 40                     | 2                           | 6   | A9S2P040  | 863             |
|                   | 63                     | 2                           | 6   | A9S2P063  | 1140            |
|                   | 80                     | 2                           | 6   | A9S2P080  | 1339            |
|                   | 100                    | 2                           | 6   | A9S2P100  | 1938            |
|                   | 125                    | 2                           | 6   | A9S2P125  | 2173            |
| 3                 | 40                     | 3                           | 4   | A9S3P040  | 1508            |
|                   | 63                     | 3                           | 4   | A9S3P063  | 1766            |
| 4                 | 40                     | 4                           | 3   | A9S4P040  | 1909            |
|                   | 63                     | 4                           | 3   | A9S4P063  | 2078            |
|                   | 80                     | 4                           | 3   | A9S4P080  | 2702            |
|                   | 100                    | 4                           | 3   | A9S4P100  | 3476            |
|                   | 125                    | 4                           | 3   | A9S4P125  | 3842            |

### Selector Switch - iSSW



- Complies to IEC 60947-5-1 and IEC 60669-1
- Rating 20A, 250V AC
- Electrical life (AC22): 30,000 cycles
- Connection: tunnel terminals cables up to 10 sq. mm

| No. of positions | Poles Description | Contacts  | Module Width<br>18mm/module | MOQ | Reference | Unit MRP<br>[₹] |
|------------------|-------------------|-----------|-----------------------------|-----|-----------|-----------------|
| 2                | 1                 | 1 C/O     | 1                           | 12  | A9E18070  | 1846            |
|                  | 2                 | 2 C/O     | 2                           | 6   | A9E18071  | 2538            |
|                  |                   | 1NO + 1NC | 1                           | 12  | A9E18072  | 1479            |
| 3                | 1                 | 1 C/O     | 1                           | 12  | A9E18073  | 1779            |
|                  | 2                 | 2 C/O     | 2                           | 6   | A9E18074  | 3062            |

### iRO Buzzers



- Audible indication in housing and the tertiary sector
- Sound level of 70dBA at a distance of 60cm

| Voltage   | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|-----------|-----------------------------|-----------|-----------------|
| 230V AC   | 1                           | A9A15322  | 2292            |
| 8..12V AC | 1                           | A9A15323  | 1224            |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

### iCT Contactors



- Complies with standards IEC 1095, E N 61095
- 4 operating modes switch on front face :
  - Automatic mode
  - Temporary "ON" mode
  - Permanent "ON" mode
  - Shutdown
- Mechanical contact position Indicator
- Safe installation maintenance: lock the contactor in ON position
- Silent operation (20dB) for entire range

| Type | Rating (A) | No. of Contacts | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|------|------------|-----------------|-----------------------------|-----------|-----------------|
| 1P   | 25         | 1NO             | 1                           | A9C20731  | 2720            |
|      | 16         | 2NO             | 1                           | A9C22712  | 2800            |
| 2P   | 25         | 2NO             | 1                           | A9C20732  | 3348            |
|      | 40         | 2NO             | 2                           | A9C20842  | 6822            |
|      | 63         | 2NO             | 2                           | A9C20862  | 7317            |
| 3P   | 25         | 3NO             | 2                           | A9C20833  | 4313            |
|      | 40         | 3NO             | 2                           | A9C20843  | 9576            |
|      | 63         | 3NO             | 3                           | A9C20863  | 10407           |
| 4P   | 25         | 4NO             | 2                           | A9C20834  | 4517            |
|      | 40         | 4NO             | 2                           | A9C20844  | 11153           |
|      | 63         | 4NO             | 3                           | A9C20864  | 11767           |
|      | 63         | 2NO + 2NC       | 3                           | A9C20868  | 13108           |

**Note:** 100A Contactor in 2P / 4P - available on request

### iTL Impulse Relays



- Complies with standards IEC/EN 60669-2-2
- Safe maintenance: disconnection of remote control by selector switch
- Manual Controls on front face: 0-I toggle
- Mechanical contact position Indicator
- Maximum 5 operations/min. and 100 switching operations/day
- Degree of pollution: 3 (suitable for industrial environment)

| Type | Rating (A) | Control Voltage | No. of Contacts | Module Width | Reference                | Unit MRP<br>[₹] |
|------|------------|-----------------|-----------------|--------------|--------------------------|-----------------|
| 1P   | 16         | 230-240 VAC     | 1NO             | 1            | A9C30811                 | 1764            |
|      | 32         | 230-240 VAC     | 1NO             | 1            | A9C30831                 | 2220            |
| 2P   | 16         | 230-240 VAC     | 2NO             | 1            | A9C30812                 | 2892            |
|      | 32         | 230-240 VAC     | 2NO             | 1            | A9C30831 + A9C32836      | 6771            |
| 3P   | 16         | 230-240 VAC     | 1NO+1NO/NC+1NO  | 2            | A9C30811 + A9C32816      | 5415            |
|      | 32         | 230-240 VAC     | 1NO+1NO/NC+1NO  | 2            | A9C30831 + 2* x A9C32836 | 11322           |
| 4P   | 16         | 230-240 VAC     | 4NO             | 2            | A9C30814                 | 5871            |
|      | 32         | 230-240 VAC     | 4NO             | 2            | A9C30831 + 3* x A9C32836 | 15873           |

### iIL Indicator Lights



- Complies with standard IEC 60947-5-1
- Indicator light with LED technology
- Service life 100,000 hours with constant luminous efficiency

| Type                           | Colour      | Module Width<br>18mm/module | Reference | Unit MRP<br>[₹] |
|--------------------------------|-------------|-----------------------------|-----------|-----------------|
| Single Indicator light         | Red         | 1                           | A9E18320  | 1824            |
|                                | Green       | 1                           | A9E18321  | 1824            |
|                                | Blue        | 1                           | A9E18323  | 1824            |
|                                | Orange      | 1                           | A9E18324  | 1824            |
| 3 phase voltage presence light | Red/Red/Red | 1                           | A9E18327  | 5269            |
| Single Push Button (1 NO+ 1NC) | Grey        | 1                           | A9E18033  | 2456            |

**Note:** For all above Reference MOQ = 1

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Smartlink



- Compliance to IEC/EN 61131-2
- Protection Monitoring – Device Status and alarm notifications
- Load Control / Switching through Contactors and Impulse Relays
- Energy Monitoring through pulse meters
- Alarm over email and analog sensors (temperature / humidity) with Smartlink Ethernet
- Plug & Play – Pre fabricated cables and in built web pages
- Rated Voltage: 24V DC

| Description            | Reference | Unit MRP [₹] |
|------------------------|-----------|--------------|
| Wiser Energy Module IP | EER31800  | 29980        |

## Communication Auxiliaries



Auxiliary for Protection Devices (OF+SD24)

Auxiliary for Contactors (iACT24)

Auxiliary for Impulse Relays (iATL24)

| Description | Module Width | Reference | Unit MRP [₹] |
|-------------|--------------|-----------|--------------|
| OF+SD24     | 0.5          | A9N26899  | 3694         |
| iACT24      | 1            | A9C15924  | 17842        |
| iATL24      | 1            | A9C15424  | 18787        |

## Acti 9

| Description                                | Reference | Pack | Unit MRP [₹] |
|--|-----------|------|--------------|
| <b>Distribloc 63A</b>                      |           |      |              |
| Distribution from the top (4 Module)       | 04040     | 1    | 15571        |
| Distribution through the bottom (4 Module) | 04041     | 1    | 15571        |

## Reflex iC60 - Integrated Control & Overcurrent Protection Device



- All in One Solution: MCB + Contactor + Impulse Relay + Auxiliary
- 10kA Breaking capacity as per IEC/EN 60947-2,
- Ti24 interface: Connection to PLC, Smartlink
- 3 operating modes to cater to a variety of applications
- Safe lock down with Integrated Padlocking
- Simplified maintenance: Front face Indicator allows better reliability

| [In] Rated Current (A) | 2 Pole Reference | Unit MRP [₹] | 3 Pole Reference | Unit MRP [₹] | 4 Pole Reference | Unit MRP [₹] |
|------------------------|------------------|--------------|------------------|--------------|------------------|--------------|
| Module Width **        | 4.5 mod          |              | 5.5 mod          |              | 6.5 mod          |              |
| <b>B Curve</b>         |                  |              |                  |              |                  |              |
| 10                     | A9C61210         | 49082        | A9C61310         | 51257        | A9C61410         | 56047        |
| 16                     | A9C61216         | 49076        | A9C61316         | 51257        | A9C61416         | 54948        |
| 25                     | A9C61225         | 49076        | A9C61325         | 51257        | A9C61425         | 54948        |
| 40                     | A9C61240         | 50701        | A9C61340         | 54818        | A9C61440         | 58347        |
| 63                     | A9C61263         | 53926        | A9C61363         | 56954        | A9C61463         | 61661        |
| <b>C Curve</b>         |                  |              |                  |              |                  |              |
| 10                     | A9C62210         | 49632        | A9C62310         | 52825        | A9C62410         | 56074        |
| 16                     | A9C62216         | 49632        | A9C62316         | 53887        | A9C62416         | 56074        |
| 25                     | A9C62225         | 49626        | A9C62325         | 52825        | A9C62425         | 56074        |
| 40                     | A9C62240         | 52268        | A9C62340         | 54844        | A9C62440         | 58385        |
| 63                     | A9C62263         | 55077        | A9C62363         | 56954        | A9C62463         | 62899        |
| <b>D Curve</b>         |                  |              |                  |              |                  |              |
| 10                     | A9C63210         | 50752        | A9C63310         | 53898        | A9C63410         | 58327        |
| 16                     | A9C63216         | 50752        | A9C63316         | 53898        | A9C63416         | 58327        |
| 25                     | A9C63225         | 50752        | A9C63325         | 53898        | A9C63425         | 58327        |

Note: \*\*18mm/module

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023







Life Is On

**Schneider**  
Electric

## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurugram 122002 Haryana  
Tel.: ++91 124 6899000 Fax: ++91 124 4222036/037

### Ahmedabad

Schneider Electric India (P) Ltd.  
1506-1507, 15<sup>th</sup> Floor Shapth-5  
Opp.Karnavati Club, SG Highway,  
Ahmedabad, Gujarat - 380015  
Tel.: 079-66826701

### Bengaluru

Schneider Electric India (P) Ltd.  
No. 3/1, JP Techno Park  
Mezzanine Floor, Millers Tank Bund  
Road, Vasanth Nagar  
Bengaluru - 560052  
Tel.: 080-71481351

### Bhubaneswar

Schneider Electric India (P) Ltd.  
Workloop Co-Working in the property  
Office No. 316, Esplanade One Mall  
Rasulgarh, Bhubaneswar - 751010

### Chennai

Schneider Electric India (P) Ltd.  
No: 29, 2<sup>nd</sup> Floor,  
Bannari Amman Towers, B-Block  
Dr. Radhakrishnan Road, Mylapore  
Chennai - 600 004  
Tel.:044-71912000

### Cochin

Schneider Electric India (P) Ltd.  
Alapatt Properties Private Limited  
(Trade Name : Centre A)  
Main Door Number : 66/4971  
(Old Door Number: 40/6584-H)  
7<sup>th</sup> Floor Alapatt Heritage Building  
MG Road Kochi - 682035

### Coimbatore

Schneider Electric India (P) Ltd.  
Hanudev Info Tech Park, 6<sup>th</sup> Floor  
Unit No. Block-C, SF No. 558/2  
Udalyampalayam Road, Nava India  
Coimbatore - 641028

### Hyderabad

Schneider Electric India (P) Ltd.  
D.No. 1-8-271, # 401, Ashoka  
Bhoopal Chambers, SP Road  
Secunderabad - 500003  
Tel.: 040-67219500

### Indore

Schneider Electric India (P) Ltd.  
219, Dhan Trident Building  
Vijay Nagar, A.B.Road  
Indore - 452001

### Jaipur

Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309  
3<sup>rd</sup> Floor, Sangam Tower 190  
Church Road, Jaipur - 302001  
Tel.: 0141-2374810

### Kolkata

Schneider Electric (I)Pvt.Ltd,  
BP-4, Sector-V, Technopolis  
3<sup>rd</sup> Floor, Salt Lake City  
Kolkata - 700 091  
Tel.: 033-66576400

### Lucknow

Schneider Electric India (P) Ltd.  
Summit, Plot No. TCG 3/3  
6<sup>th</sup> Floor, 604A/B/C, Vibhuti Khand  
Gomti Nagar, Lucknow  
Uttar Pradesh - 226010  
Tel.: 0522-3500334

### Ludhiana

Schneider Electric India (P) Ltd.  
SCO 23, 2nd Floor,  
Chandigarh Road, Sector 32  
Ludhiana, Punjab -141010  
Tel.: 0161- 5203011

### Mohali

Schneider Electric India (P) Ltd.  
2nd Floor, Tower-A  
Bestech Business Tower  
Mega Information & Technology Park  
Industrial Plot No.1, Phase IX  
(Expansion), Mohali - 160059  
Tel.: 0172-7198200

### Mumbai

Schneider Electric India (P)( Ltd)  
Marwah House, 2<sup>nd</sup> Floor  
Krishanlal Marwah Marg  
Andheri (East), Mumbai - 400072  
Tel.: 022-62280000

### Nagpur

Schneider Electric India (P) Ltd.  
6, Vasant Vihar Complex  
W.H.C Road, Shankar Nagar  
Nagpur - 440010  
Tel.: 0712-2558581

### Nashik

Schneider Electric India (P) Ltd.  
401, 4<sup>th</sup> Floor, Rishi Raj Towers  
Jehan Circle, Gangapur Road  
Nashik - 422013  
Tel.: 0253-2344333

### New Delhi

Schneider Electric India (P) Ltd.  
C-56, Mayapuri Industrial Area, Phase-2  
New Delhi - 110064  
Tel.: 011-61317400

### Pune

Schneider Electric India (P) Ltd.  
Amar Caliber, CTS No 911, BMCC Road,  
OFF F.C. Road, Deccan Gymkhana,  
Shivaji Nagar, Pune - 411007  
Tel.: 020-67492500

### Vadodara

Schneider Electric India (P) Ltd.  
Notus IT Park, 10<sup>th</sup> Floor, Block-D  
Sarabhai Campus, Vadiwadi  
Vadodara, Gujarat - 390017

### Vishakhapatnam

Schneider Electric India (P) Ltd.  
D.N.10-1-43, 1<sup>st</sup> Floor  
Ratnam's Business Centre,  
Siripuram Fort, C.B.M.Compound  
Visakhapatnam - 530016  
Tel.: 0891-6675500

### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.  
Toll-free numbers: 1800 419 4272, 1800 103 0011  
Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

For more information, visit our website at: [www.se.com/in](http://www.se.com/in)

- All Prices are in Indian Rupees
- Prices are subject to change without prior notice
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice
- Prices charged will be as prevailing on the date of dispatch
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %
- Tax incidence on invoices is basis applicable GST rates
- Invoice amount not to exceed MRP
- Product pictures shown are for illustration purpose only, actual product may vary

**Distributor**




Life Is On

Schneider  
Electric



5G



 Price List


# Low Voltage Distribution Products

With effect from January 30<sup>th</sup>, 2023



[se.com/in](https://se.com/in)



|  |    |
|--|----|
| <b>EasyPact CVS:</b>   |    |
| ■ Range Overview (up to 630A) . . . . .  | 10 |
| ■ MCCBs for Distribution Network . . . . .   | 11 |
| ■ EasyPact CVS Switch Disconnecter Version . . . . .   | 16 |
| ■ Accessories . . . . .  | 17 |
| ■ Range Overview (800A to 1250A) . . . . .   | 20 |
| ■ MCCB for Distribution Network . . . . .  | 22 |
| <b>Moulded Case Circuit Breakers:</b>  |    |
| <b>ComPact NSXm:</b>   |    |
| ■ Range Overview . . . . .   | 25 |
| ■ MCCBs for Distribution Network . . . . .   | 29 |
| ■ MCCB with Integrated Earth Leakage Protection. . . . .   | 30 |
| ■ Accessories . . . . .  | 31 |
| <b>MCCB for Motor Protection:</b>  |    |
| ■ GV4LE . . . . .  | 32 |
| ■ GV4PE . . . . .  | 32 |
| ■ Accessories for GV4 . . . . .  | 33 |
| ■ Auxiliary Contact Blocks . . . . .   | 33 |
| <b>ComPact NSX:</b>  |    |
| ■ Range Overview . . . . .   | 35 |
| ■ MCCBs for Distribution Network . . . . .   | 36 |
| ■ Circuit Breakers for Motor Protection . . . . .  | 39 |
| ■ MCCB with Integrated Earth Leakage Protection. . . . .   | 40 |
| ■ Accessories . . . . .  | 41 |
| ■ Unique Modular Ground Fault Protection. . . . .  | 44 |
| <b>ComPact NS:</b>  |    |
| ■ Range Overview . . . . .   | 46 |
| <b>EasyPact EZC:</b>   |    |
| ■ Range Overview . . . . .   | 49 |
| ■ MCCBs for Distribution Network. . . . .  | 50 |
| ■ Accessories . . . . .  | 52 |
| <b>Earth Leakage Protection:</b>   |    |
| ■ Vigirex - Earth Leakage Protection Relay . . . . .   | 53 |
| <b>Switch Disconnector:</b>  |    |
| ■ ComPact- INS & INV Switch Disconnectors . . . . .  | 54 |
| ■ Switch Disconnector fuse units - range overview. . . . .   | 55 |
| ■ FuPact Switch Disconnector and Accessories. . . . .  | 56 |
| <b>Air Circuit Breakers:</b>   |    |
| <b>MasterPact MTZ:</b>   |    |
| ■ Range Overview . . . . .   | 58 |
| ■ Overview of MicroLogic X Trip Unit . . . . .   | 60 |
| <b>MasterPact NT/NW:</b>   |    |
| ■ Range Overview . . . . .   | 62 |
| ■ Micrologic Trip system . . . . .   | 63 |
| ■ ATS Kit range . . . . .  | 63 |
| <b>EasyPact MVS:</b>   |    |
| ■ Range Overview . . . . .   | 65 |
| ■ ET/ETA/ETV Trip System. . . . .  | 66 |
| ■ Draw-out type Circuit breakers and Switch Disconnectors . . . . .                                    | 67 |
| ■ Fixed type Circuit breakers and Switch Disconnectors . . . . .                                       | 69 |
| ■ Accessories . . . . .  | 71 |

**EasyPact SPS:**

- Range Overview .....72
- Draw-out type Circuit breakers and Switch disconnectors .....73
- Fixed type Circuit breaker and Switch disconnectors .....74
- Accessories .....74

**Automatic Transfer Switch:**

- Range Overview .....75
- ATS (ASCO) Series 7000/300 .....78
- ATS (ASCO) Series 230 .....79
- ATS WOTPC .....80
- TransferPacT Active Automatic .....81
- WATSN (ATS and RTS) .....82



# Green Premium™

An industry leading portfolio of offers delivering sustainable value



More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACH substance information
- Industry leading # of PEP's\*
- Circularity instructions



Discover what we mean by green  
**Check your products!**

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

#### CO<sub>2</sub> and P&L impact through... Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO<sub>2</sub> emissions.

#### Cost of ownership optimization through... Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

#### Peace of mind through... Well-being Performance

Green Premium products are RoHS and REACH compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

#### Improved sales through... Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.

# EcoStruxure™ Facility Expert

Designed to keep you in touch with your equipment

**Say goodbye** to paperwork, outdated files, conflicting information, missing documents, and unplanned maintenance.

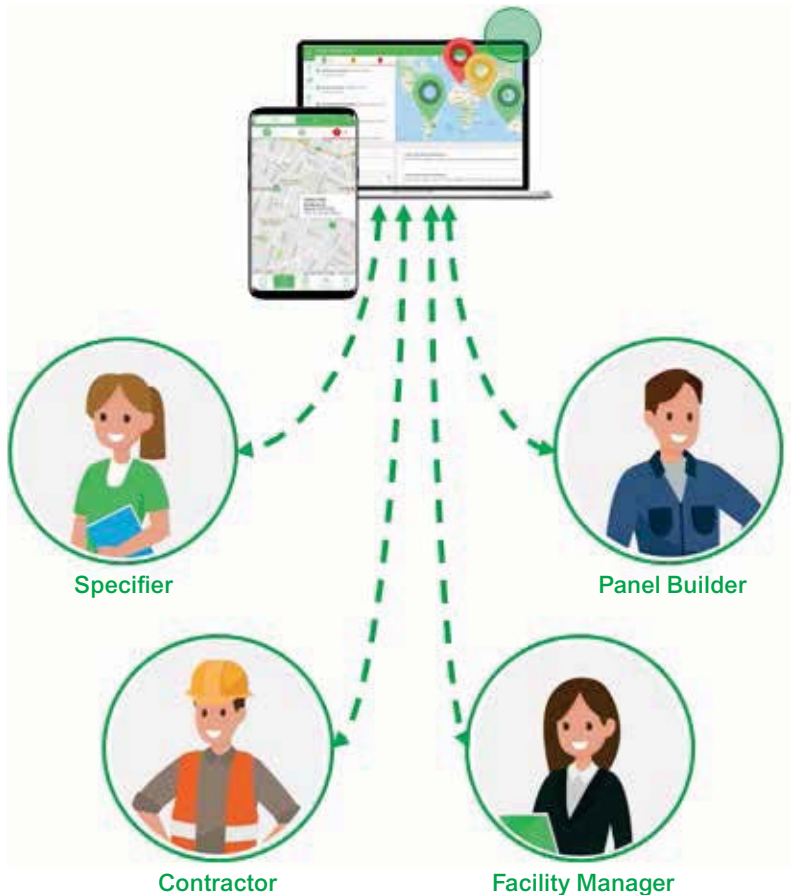
**Say hello** to extended insights, easier maintenance, greater productivity and information at your fingertips.

Because now, your electrical system becomes your partner with a simple QR code.



## Collaborate and get things done!

- **Toss the papers!** Group user manuals, single-line drawings, photos, factory and site acceptance test reports, spare parts lists and more behind a simple QR code.
- **Get crucial data organized!** Free collaborative digital tool enables you to share information with your partners and team members.



## Simplify and manage maintenance activities

- **Ease the set up of preventive maintenance plans** with auto-generated maintenance templates.
- **Streamline maintenance and operation** by assigning tasks and centralizing maintenance schedules, logs and reports.
- Leverage your digital community to **solve issues quickly**.
- **Keep your installation healthy** and maximize its life.

### Scan and Download

For free access to EcoStruxure™ Facility Expert



### Scan to know more

About how EcoStruxure™ Facility Expert can help you manage your equipment better





# Product Selector

-Select Schneider products through digital tool

Product selector is an online software tool embedded in Schneider website or in distributor's website to help selecting the right product with its accessories. Product Selector aims at providing a fast, secure and smart way of selecting products. It includes the selection of the basic frame, control unit, accessories and Digital Modules. Compared with the traditional way of filling up order forms or specifying customer functions, it brings the following benefits:

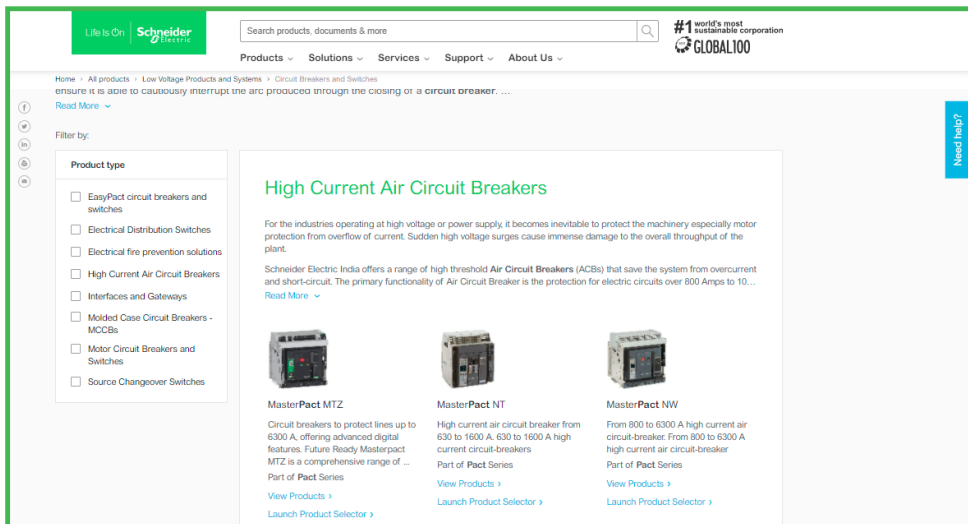
**Easy access:** no login, direct access on Schneider's website or on the website of distributor

**Reliable:** The compatibility between the main product and the accessories is constantly tested

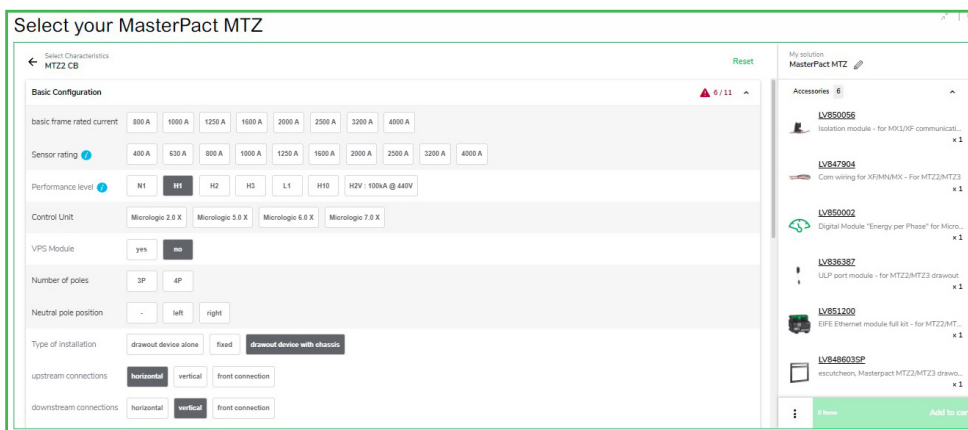
**Wide coverage:** more than 130 Schneider ranges are available (MasterPact)

## Choose Products in simple steps:

### 1. Go to range page on se.com



### 2. Click on Launch Product Selector



# Future of Power Distribution



## MasterPact™ MTZ Circuit Breaker

**FUTURE READY**



### ...CONNECTIVITY READY

Stay connected and avoid downtime - The MasterPact MTZ app and EcoStruxure software conveniently bring energy data, circuit breaker control, and more directly to your smartphone.



### ...SUSTAINABILITY READY

Contribute to a better world - with Green Premium MasterPact MTZ circuit breakers you can enhance sustainability.



### ...PRECISION READY

Access new energy-saving capabilities - Acertified Class 1 power meter gives you precise power measurements for greater efficiency.



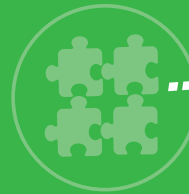
### ...ENVIRONMENT READY

Keep your electrical system online even in harsh environments - MasterPact MTZ circuit breakers give you proven reliability by going beyond standards.



### ...UPGRADE READY

Customize Micrologic X control unit anytime - Digital modules make it easy to upgrade and tailor your system.



### ...INTEGRATION READY

Simplify your switchboard operation - MasterPact MTZ circuit breakers are adaptable to different systems because of their digital capabilities.



### ...INSTALLATION READY

Streamline configuration and commissioning with EcoStruxure Power Commission tool.

Learn more about the future of power distribution, Click or Scan





# EasyPact™ CVS

Molded-case circuit breakers and  
switch-disconnectors from 16 to 630A



[se.com/in](http://se.com/in)

Life Is On

**Schneider**  
Electric

# EasyPact CVS

## Easy Choice for Quality and Value



- **EasyPact CVS** MCCBs upto 630A is the easy choice for all your most common electrical distribution applications
- **EasyPact CVS** also available with Electronic Trip release LSol from 40A to 250A **NEW**
- Encapsulated double break roto technique ensures outstanding current limiting capability
- High electrical / mechanical endurance for enhanced service life
- Single accessory reference for different functions – on/off, trip and fault trip – improves shop floor efficiency
- Separate electrical fault indication for ease of fault diagnosis
- Class 2 front face, Locking in off position, Suitable for Isolation
- Optimized footprint in two frame sizes

### Range Details:

- Breaking capacity 25kA to 50kA,  $I_{cs} = 100\% I_{cu}$
- TMD, MA, Electronic trip units (LSol protection 40A to 630A)
- Electronic trip units (LSIG protection 25A to 630A)
- 3P & 4P versions available
- Common accessories upto 630A



## With Thermal Magnetic Trip Unit (TMD)

- Range upto 100A
- 3P and 4P version available

| Breaking Capacity as per IEC 60947-2  | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---|---------------|----------------------|--------------|---------------------|--------------|
| <b>EasyPact CVS 100 BS Overload Setting (I<sub>r</sub>) 0.8 - 1 x I<sub>n</sub></b> |               |                      |              |                     |              |
| 25kA*   | 20A           | LV510931             | 7910         | LV510951            | 12540        |
|   | 25A           | LV510932             |              | LV510952            |              |
|   | 32A           | LV510933             |              | LV510953            | 10750        |
|   | 40A           | LV510934             |              | LV510954            | 12540        |
|   | 50A           | LV510935             |              | LV510955            |              |
|   | 63A           | LV510936             |              | LV510956            | 10750        |
|   | 80A           | LV510937             |              | LV510957            |              |
|   | 100A          | LV510938             |              | LV510958            |              |

\* I<sub>cs</sub> = 17kA

## Accessories

| Description  | CVS100BS Reference                              | Unit MRP [₹] |
|--|---|--------------|
| <b>Auxiliary contacts (changeover) Multifunction</b> |   |              |
| Auxiliary Switch 1 C/O                               | EZAUX10 <input checked="" type="checkbox"/>     | 1150         |
| Alarm Switch 1 C/O                                   | EZAUX01   |              |
| Alarm - Auxiliary Switch                             | EZAUX11 <input checked="" type="checkbox"/>     |              |
| <b>Spreaders</b>                                     |   |              |
| Spreaders *(Set Of 3) 3P                             | EZASPDR3P <input checked="" type="checkbox"/>   | 460          |
| Spreaders *(Set Of 4) 4P                             | EZASPDR4P <input checked="" type="checkbox"/>   | 970          |
| <b>Rotary Handle</b>                                 |   |              |
| Direct Rotary handle                                 | EZAROTDS <input checked="" type="checkbox"/>    | 1630         |
| Extended Rotary handle                               | EZAROTE   | 2400         |
| <b>Shunt Release</b>                                 |   |              |
| <b>AC</b>  |   |              |
| 100-130 V  | EZASHT100AC                                     | 2470         |
| 200-277 V  | EZASHT200AC <input checked="" type="checkbox"/> |              |
| 380-480 V  | EZASHT380AC                                     |              |
| <b>DC</b>  |   |              |
| 24 V   | EZASHT024DC                                     | 2710         |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

• Ics = 100% Icu as per IEC 60947-2

| Breaking Capacity as per IEC 60947-2                               | Rated Current                                | Three Pole Reference                         | Unit MRP [₹]                                 | Four Pole Reference                          | Unit MRP [₹] |
|--|--|--|--|--|--------------|
| <b>EasyPact CVS 100 to 630A Overload Setting (Ir) 0.7 - 1 x In</b> |  |  |  |  |              |
| 25kA   | 16A  | LV510300 <input checked="" type="checkbox"/> | 8430   | LV510310                                     | 11720        |
|  | 25A  | LV510301 <input checked="" type="checkbox"/> |  | LV510311 <input checked="" type="checkbox"/> |              |
|  | 32A  | LV510302 <input checked="" type="checkbox"/> |  | LV510312 <input checked="" type="checkbox"/> |              |
|  | 40A  | LV510303 <input checked="" type="checkbox"/> |  | LV510313 <input checked="" type="checkbox"/> |              |
|  | 50A  | LV510304 <input checked="" type="checkbox"/> |  | LV510314                                     |              |
|  | 63A  | LV510305 <input checked="" type="checkbox"/> |  | LV510315 <input checked="" type="checkbox"/> |              |
|  | 80A  | LV510306 <input checked="" type="checkbox"/> | LV510316 <input checked="" type="checkbox"/> |  |              |
|  | 100A   | LV510307 <input checked="" type="checkbox"/> | 8480   | LV510317 <input checked="" type="checkbox"/> |              |
|  | 125A   | LV516302 <input checked="" type="checkbox"/> | 12400  | LV516312 <input checked="" type="checkbox"/> | 15180        |
|  | 160A   | LV516303 <input checked="" type="checkbox"/> | 16180  | LV516313 <input checked="" type="checkbox"/> | 19400        |
| 200A   | LV525302 <input checked="" type="checkbox"/> | 21430  | LV525312                                     | 26790  |              |
| <b>Breaking Capacity as per IEC 60947-2</b>                        |  |  |  |  |              |
| 25kA   | 250A   | LV525303 <input checked="" type="checkbox"/> | 25080  | LV525313                                     | 30680        |

| Breaking Capacity as per IEC 60947-2                               | Rated Current | Three Pole Reference                         | Unit MRP [₹]                                 | Four Pole Reference                          | Unit MRP [₹] |
|--|---------------|--|--|--|--------------|
| <b>EasyPact CVS 100 to 630A Overload Setting (Ir) 0.7 - 1 x In</b> |               |  |  |  |              |
| 36kA   | 16A           | LV510330 <input checked="" type="checkbox"/> | 11530  | LV510340                                     | 14400        |
|  | 25A           | LV510331 <input checked="" type="checkbox"/> |  | LV510341                                     |              |
|  | 32A           | LV510332 <input checked="" type="checkbox"/> |  | LV510342 <input checked="" type="checkbox"/> |              |
|  | 40A           | LV510333 <input checked="" type="checkbox"/> |  | LV510343 <input checked="" type="checkbox"/> |              |
|  | 50A           | LV510334 <input checked="" type="checkbox"/> |  | LV510344                                     |              |
|  | 63A           | LV510335 <input checked="" type="checkbox"/> |  | LV510345 <input checked="" type="checkbox"/> |              |
|  | 80A           | LV510336 <input checked="" type="checkbox"/> | LV510346                                     |  |              |
|  | 100A          | LV510337 <input checked="" type="checkbox"/> | 12810  | LV510347 <input checked="" type="checkbox"/> |              |
|  | 125A          | LV516332 <input checked="" type="checkbox"/> | 16960  | LV516342                                     | 15900        |
|  | 160A          | LV516333 <input checked="" type="checkbox"/> | 24430  | LV516343                                     | 20200        |
| 200A   | LV525332      | 27100  | LV525342 <input checked="" type="checkbox"/> | 30270  |              |
| <b>Breaking Capacity as per IEC 60947-2</b>                        |               |  |  |  |              |
| 36kA   | 250A          | LV525333                                     | 35080  | LV525343 <input checked="" type="checkbox"/> | 33540        |
|  | 320A          | LV540305                                     | 35280  | LV540308 <input checked="" type="checkbox"/> | 43520        |
|  | 400A          | LV540306                                     | 39990  | LV540309 <input checked="" type="checkbox"/> | 43900        |
|  | 500A          | LV563305 <input checked="" type="checkbox"/> | 45310  | LV563308 <input checked="" type="checkbox"/> | 50650        |
|  | 630A**        | LV563306 <input checked="" type="checkbox"/> |  | LV563309 <input checked="" type="checkbox"/> | 55590        |

| Breaking Capacity as per IEC 60947-2        | Rated Current | Three Pole Reference                         | Unit MRP [₹]                                 | Four Pole Reference                          | Unit MRP [₹] |
|---|---------------|--|--|--|--------------|
| 50kA  | 16A           | LV510470 <input checked="" type="checkbox"/> | 15650  | LV510480                                     | 19240        |
|   | 25A           | LV510471                                     |  | LV510481                                     |              |
|   | 32A           | LV510472 <input checked="" type="checkbox"/> |  | LV510482 <input checked="" type="checkbox"/> |              |
|   | 40A           | LV510473                                     |  | LV510483                                     |              |
|   | 50A           | LV510474                                     |  | LV510484                                     |              |
|   | 63A           | LV510475 <input checked="" type="checkbox"/> |  | LV510485 <input checked="" type="checkbox"/> |              |
|   | 80A           | LV510476 <input checked="" type="checkbox"/> | LV510486                                     |  |              |
|   | 100A          | LV510477 <input checked="" type="checkbox"/> | 20350  | LV510487 <input checked="" type="checkbox"/> |              |
|   | 125A          | LV516462 <input checked="" type="checkbox"/> | 22020  | LV516467                                     | 22270        |
|   | 160A          | LV516463 <input checked="" type="checkbox"/> | 28500  | LV516468                                     | 26220        |
| 200A  | LV525452      | 30640  | LV525457 <input checked="" type="checkbox"/> | 35810  |              |
| <b>Breaking Capacity as per IEC 60947-2</b> |               |  |  |  |              |
| 50kA  | 250A          | LV525453                                     | 37990  | LV525458 <input checked="" type="checkbox"/> | 37760        |
|   | 320A          | LV540315 <input checked="" type="checkbox"/> | 38280  | LV540318                                     | 46980        |
|   | 400A          | LV540316 <input checked="" type="checkbox"/> | 44380  | LV540319 <input checked="" type="checkbox"/> | 47840        |
|   | 500A          | LV563315 <input checked="" type="checkbox"/> | 47340  | LV563318                                     | 56000        |
|   | 630A**        | LV563316 <input checked="" type="checkbox"/> |  | LV563319 <input checked="" type="checkbox"/> | 59600        |

**Note:**

\*\*630A @ 30°C & 600A @ 40°C for TMD630A MCCB

For Details on stockable and non-stockable status, technical parameter, please Contact Customer Care Centre

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



### EasyPact CVS 40 to 630A with Electronic Trip Unit ETS 2.2 and ETS 2.3

- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.4 to 1 x In
- Adjustable Short Circuit from 1.4 to 10 x Ir
- Adjustable Neutral Protection - N, N/2, OFF for 4 Pole MCCB
- Inbuilt Thermal Memory

| Breaking Capacity Ics<br>as per IEC 60947-2 | Rated Current | Three Pole<br>Reference | Unit MRP<br>[₹] | Four Pole<br>Reference | Unit MRP<br>[₹] |
|---|---------------|-------------------------|-----------------|------------------------|-----------------|
| <b>EasyPact CVS 40 to 250A</b>              |               |                         |                 |                        |                 |
| 25KA  | 40            | LV510550                | 22030           | LV510580               | 28350           |
|   | 100           | LV510551                | 22030           | LV510581               | 28350           |
|   | 160           | LV516505                | 28130           | LV516508               | 35880           |
|   | 250           | LV525505                | 36970           | LV525508               | 47420           |
| 36KA  | 40            | LV510552                | 22390           | LV510582               | 28480           |
|   | 100           | LV510553                | 22390           | LV510583               | 28480           |
|   | 60            | LV516506                | 28630           | LV516509               | 39570           |
|   | 250           | LV525506                | 38710           | LV525509               | 53640           |
| 50KA  | 40            | LV510554                | 26860           | LV510584               | 36350           |
|   | 100           | LV510555                | 26860           | LV510585               | 37430           |
|   | 160           | LV516507                | 34040           | LV516510               | 44280           |
|   | 250           | LV525507                | 44210           | LV525510               | 57460           |

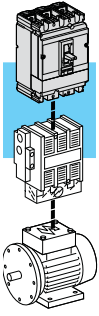
| Breaking Capacity Ics<br>as per IEC 60947-2 | Rated Current | Three Pole<br>Reference                      | Unit MRP<br>[₹] | Four Pole<br>Reference                       | Unit MRP<br>[₹] |
|---|---------------|--|-----------------|--|-----------------|
| <b>EasyPact CVS 400 to 630A</b>             |               |  |                 |  |                 |
| 36 kA                                       | 400A          | LV540505 <input checked="" type="checkbox"/> | 42620           | LV540506 <input checked="" type="checkbox"/> | 54900           |
|   | 630A          | LV563505 <input checked="" type="checkbox"/> | 46840           | LV563506 <input checked="" type="checkbox"/> | 62160           |
| 50 kA                                       | 400A          | LV540510 <input checked="" type="checkbox"/> | 46780           | LV540511 <input checked="" type="checkbox"/> | 60560           |
|   | 630A          | LV563510 <input checked="" type="checkbox"/> | 50930           | LV563511 <input checked="" type="checkbox"/> | 66610           |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

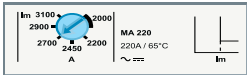
NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Circuit Breakers for Motor Protection Breaking Capacity 50kA, Ics=100%Icu



| Current Rating | Magnetic setting                      | 2.5                      | 6.3 | 12.5 | 25 | 50 | 100 | 150                      | 220 | 320                      | 500                      |  |
|----------------|---------------------------------------|--------------------------|-----|------|----|----|-----|--------------------------|-----|--------------------------|--------------------------|--|
| CVS 100        | I <sub>m</sub> = I <sub>n</sub> x ... | 6....14 x I <sub>n</sub> |     |      |    |    |     |                          |     |                          |                          |  |
| CVS 160/250    |                                       |                          |     |      |    |    |     | 9....14 x I <sub>n</sub> |     |                          |                          |  |
| CVS 400        |                                       |                          |     |      |    |    |     |                          |     | 6....13 x I <sub>n</sub> |                          |  |
| CVS 630        |                                       |                          |     |      |    |    |     |                          |     |                          | 6....13 x I <sub>n</sub> |  |



|         |             |
|---------|-------------|
| Frame 1 | 2.5 to 220A |
| Frame 2 | 320 to 500A |

## With Magnetic Trip Unit MA Type

| Breaking Capacity Ics as per IEC 60947-2 | Rated Current | Three Pole Reference                         | Unit MRP [₹] |
|--|---------------|--|--------------|
| 50kA                                     | 2.5A          | LV510450                                     | 11630        |
|  | 6.3A          | LV510451                                     |              |
|  | 12.5A         | LV510452 <input checked="" type="checkbox"/> | 12640        |
|  | 25A           | LV510453 <input checked="" type="checkbox"/> | 16810        |
|  | 50A           | LV510454 <input checked="" type="checkbox"/> | 17060        |
|  | 100A          | LV510455 <input checked="" type="checkbox"/> | 17340        |
| 50kA                                     | 150A          | LV516451 <input checked="" type="checkbox"/> | 21940        |
|  | 220A          | LV525442 <input checked="" type="checkbox"/> | 23140        |
|  | 320A          | LV540552 <input checked="" type="checkbox"/> | 34650        |
|  | 500A          | LV563552                                     | 42890        |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



### EasyPact CVS with built-in LSIG Electronic trip unit ETS 6

- Rated Current, In (A) – 25, 40, 100, 160, 250, 400, 630
- Breaking capacity (Icu=Ics) (kA) at 415V – 25 (only up to 250A), 36, 50
- 3 Pole and 4 pole versions.
- Built-in  $\mu$ P based trip unit having protection functions LSIG.  
Variable current setting for L,S,I and G and variable time delay setting for L,S and G.
- Neutral O/L protection possible with 3P MCCB (with External Neutral CT) and 4P MCCB
- Last Fault trip history on LCD screen of MCCB i.e Faulty phase, Type of Fault and interrupted current.

### With ETS 6 Electronic trip unit (built in LSIG protection)

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 25kA                                     | 25A           | LV510600             | 33320        | LV510610            | 38670        |
|  | 40A           | LV510608             |              | LV510618            |              |
|  | 100A          | LV510609             |              | LV510619            |              |
|  | 160A          | LV516600             | 38280        | LV516610            | 47460        |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| 25kA                                     | 250A          | LV525600             | 45190        | LV525610            | 55540        |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| 36kA                                     | 25A           | LV510620             | On Request   | LV510630            | On Request   |
|  | 40A           | LV510628             | 34730        | LV510638            | 40320        |
|  | 100A          | LV510629             |              | LV510639            |              |
|  | 160A          | LV516620             | 39670        | LV516630            | 49200        |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| 36kA                                     | 250A          | LV525620             | 47830        | LV525630            | 58900        |
|  | 400A          | LV540620             | 57130        | LV540630            | 66170        |
|  | 630A          | LV563620             | 62540        | LV563630            | 76270        |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| 50kA                                     | 25A           | LV510640             | On Request   | LV510650            | On Request   |
|  | 40A           | LV510648             | 38000        | LV510658            | 45310        |
|  | 100A          | LV510649             |              | LV510659            |              |
|  | 160A          | LV516640             | 45620        | LV516650            | 54380        |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| 50kA                                     | 250A          | LV525640             | 50110        | LV525650            | 60660        |
|  | 400A          | LV540640             | 59970        | LV540650            | 71580        |
|  | 630A          | LV563640             | 66380        | LV563650            | 85710        |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Easy-Pact CVS Switch Disconnecter Version



- Suitable for Isolation with positive contact indication as defined by standard IEC 60947-3.
- Compliance to utilization categories AC22A or AC23A
- Self protected due to high magnetic-set release
- Two frame sizes upto 630A
- Available in fixed version.
- Common Accessories as that of **EasyPact** CVS circuit breaker

| Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---------------|----------------------|--------------|---------------------|--------------|
| 100A          | LV510425             | 8420         | LV510426            | 10670        |
| 160A          | LV516425             | 10050        | LV516426            | 12640        |
| Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| 250A          | LV525425             | 21050        | LV525426            | 28030        |
| 400A          | LV540400             | 30860        | LV540401            | 39270        |
| 630A          | LV563400             | 35080        | LV563401            | 47170        |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023





Indication contacts



Voltage Release



Padlocking accessory



Direct Rotary Handle



Extended Rotary Handle

## Accessories for EasyPact CVS 100 - 630A

### Auxiliary Contacts (Changeover) Multifunction

| Description                                     | Reference                                    | Unit MRP [₹] |
|---|--|--------------|
| OF or SD or SDE or SDV                          | 29450 <input checked="" type="checkbox"/>    | 1090         |
| OF or SD or SDE or SDV low level                | 29452  | 1270         |
| SDE adapter for trip unit TM or MA or ETS 2.3 # | LV429451 <input checked="" type="checkbox"/> | 940          |

# To be considered alongwith SDE contact for MCCB with TMD/ETS 2.3/MA Trip Unit

### Voltage Releases

| Description        | Shunt Release Reference                      | Unit MRP [₹] | Undervoltage Reference                       | Unit MRP [₹] |
|--------------------|--|--------------|--|--------------|
| <b>AC</b>          |  |              |  |              |
| 24 V 50/60 Hz      | LV429384 <input checked="" type="checkbox"/> | 3170         | LV429404                                     | 3920         |
| 48 V 50/60 Hz      | LV429385                                     |              | LV429405                                     |              |
| 110-130 V 50/60 Hz | LV429386 <input checked="" type="checkbox"/> |              | LV429406 <input checked="" type="checkbox"/> |              |
| 220-240 V 50/60 Hz | LV429387 <input checked="" type="checkbox"/> |              | LV429407 <input checked="" type="checkbox"/> |              |
| 380-415 V 50 Hz    | LV429388 <input checked="" type="checkbox"/> |              | LV429408 <input checked="" type="checkbox"/> |              |
| 525 V 50 Hz        | LV429389                                     |              | LV429409                                     | 5620         |
| <b>DC</b>          |  |              |  |              |
| 12 V               | LV429382                                     | 3170         | LV429402                                     | 3880         |
| 24 V               | LV429390 <input checked="" type="checkbox"/> |              | LV429410 <input checked="" type="checkbox"/> |              |
| 30 V               | LV429391                                     |              | LV429411                                     |              |
| 48 V               | LV429392                                     |              | LV429412                                     | 3880         |
| 60 V               | LV429383                                     | 4490         | LV429403                                     | 5620         |
| 125 V              | LV429393                                     | 3170         | LV429413                                     | 3880         |
| 250 V              | LV429394                                     |              | LV429414                                     | 3850         |

### Rotary Handles

| Description                     | 100/160/250A Reference                          | Unit MRP [₹] | 400/630A Reference                              | Unit MRP [₹] |
|---------------------------------|---|--------------|---|--------------|
| <b>Direct rotary handle</b>     |   |              |   |              |
| Standard black handle           | LV429337 <input checked="" type="checkbox"/>    | 1530         | LV432597 <input checked="" type="checkbox"/>    | 2300         |
| <b>Extended rotary handle</b>   |   |              |   |              |
| Standard extended rotary handle | LV429338_IN <input checked="" type="checkbox"/> | 2100         | LV432598_IN <input checked="" type="checkbox"/> | 3730         |

### Installation Accessories

| Description                             | 100/160/250A Reference                       | Unit MRP [₹] | 400/630A Reference                           | Unit MRP [₹] |
|---|--|--------------|--|--------------|
| <b>Spreaders &amp; Phase Barriers</b>   |  |              |  |              |
| Spreaders (Set of 3) 3P                 | LV431563 <input checked="" type="checkbox"/> | 730          | 32492 <input checked="" type="checkbox"/>    | 1650         |
| Spreaders (Set of 4) 4P                 | LV431564 <input checked="" type="checkbox"/> | 970          | 32493 <input checked="" type="checkbox"/>    | 2100         |
| Phase Barriers (Set of 6)               | *  |              | LV432570 <input checked="" type="checkbox"/> | 990          |
| <b>Interlocking</b>                     |  |              |  |              |
| For Breaker with Rotary Handle          | LV429369                                     | 11340        | LV432621                                     | 14280        |
| For Breaker with Toggle                 | LV429354                                     | 13650        | LV432614                                     | 14420        |
| Mechanical Interlocking with Base Plate | 29349**                                      | -            | 32609**                                      | -            |
| <b>Locking of Rotary Handle</b>         |  |              |  |              |
| Locking Device                          | LV429344 <input checked="" type="checkbox"/> | 730          | LV432604 <input checked="" type="checkbox"/> | 990          |
| Ronis Keylock (1 Lock + 1 Key set)      | 41940 <input checked="" type="checkbox"/>    | 5460         | 41940 <input checked="" type="checkbox"/>    | 5460         |
| Ronis Keylock (2 Locks + 1 Key set)     | 41950 <input checked="" type="checkbox"/>    | 9190         | 41950 <input checked="" type="checkbox"/>    | 9190         |
| Profalux Keylock (1 Lock + 1 Key set)   | 42888  | 8530         | 42888  | 8530         |
| Profalux Keylock (2 Locks + 1 Key set)  | 42878  | 10710        | 42878  | 10710        |

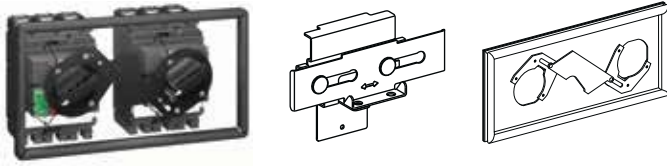
\* supplied as standard with spreaders

\*\* Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Accessories for CVS 100 - 630A

### Manual Source change-over systems

- An additional accessory interlocks two devices with rotary handles to create a source changeover system. Closing of one device is possible only if the second is open.
- This function is compatible with direct or extended rotary handles.
- Up to three padlocks can be used to lock in the OFF or ON position.

| Description   | Reference | Unit MRP [₹] |
|---|-----------|--------------|
| <b>Mechanical interlocking for circuit breakers</b> |           |              |
| With toggles 100A to 250A                           | LV429354  | 13060        |
| With rotary handles 100A -250A                      | LV429369  | 10905        |
| With toggles 400A to 630A                           | LV432614  | 13730        |
| With rotary handles 400A to 630A                    | LV432621  |              |

## Accessories for ETS 6 Trip unit

| Description                                      | CVS100/160/250 Reference number | Rating      | Unit MRP [₹] | CVS400/630 Reference number     | Rating      | Unit MRP [₹] |
|--|---------------------------------|-------------|--------------|---------------------------------|-------------|--------------|
| External neutral CT for 3 pole breaker with ETS6 | LV429521                        | 25 - 100 A  | 14820        | LV432575                        | 400 - 630 A | 21410        |
|  | LV430563                        | 150 - 250 A | 22600        |                                 |             |              |
| Description                                      |                                 |             |              | CVS 100 to 630 Reference number |             | Unit MRP [₹] |
| Pocket Battery For MCCB With ETS 6               |                                 |             |              | LV434206                        |             | 24370        |
| 24 VDC Terminal Block For MCCB With ETS 6        |                                 |             |              | LV434210                        |             | 6700         |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

New Launch  
Easy Series

# EasyPact™ CVS

Molded-Case Circuit Breaker  
from 800 to 1250 A



[se.com/in](https://se.com/in)

Life Is On

**Schneider**  
Electric

# Introduction

## Overview

State-of-the-art design, user-friendly features and a wide spectrum of protection releases of the MCCB range. Also recognised for its ergonomics, aesthetics and compactness. Specially designed and developed for extreme tropical conditions, it promises reliable performance in high ambient and humid environment.

Unfailingly, caters to the ever-evolving needs of customers, derived after in-depth analysis and customer feedback. Because we understand our customers' requirements and demands, our contemporary range of MCCBs never falls short of ensuring complete customer satisfaction. Moreover, complemented by a host of accessories, the EasyPact CVS range delivers comprehensive solutions to customer applications ensuring operational safety, reliability and versatility.



### Features

- Range available from 800 to 1250 A
- Available in 3 pole and 4 pole
- Range of 50 kA breaking capacity
- Electronic trip unit release and Switch Disconnecter
- MCCBs for Distribution and SD version
- Wide range of Internal and External accessories
- RoHS compliant

Schneider Electric do not recommend the mix of different ranges of breakers.

### Codes and standards

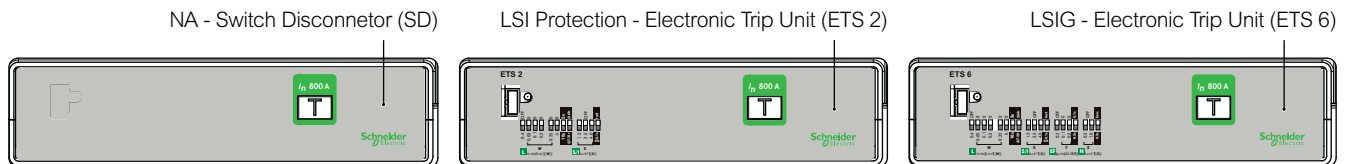
CVS range of MCCB series and accessories comply with:

- IEC 60947-1: General rules
- IEC 60947-2: Circuit-breakers

### EasyPact CVS MCCB

|                |   |
|----------------|---|
| Current rating | 800 A, 1000 A, 1250 A                     |
| Release        | Electronic trip unit, Switch Disconnecter |

### Trip Units



### Marking and Configuration



# EasyPact CVS MCCB offers

## Enhanced features

- Snap-fit accessories up to 800 to 1250 A
- Auxiliary contact for ON/OFF and Trip Indication
- Shunt coil for remote tripping
- Under Voltage coil

## Accessories



Extended rotary handle



External neutral CT

Adaptor Kit



Spreaders link



Auxiliary 1 C/O



Auxiliary 2 C/O



Voltage release (MN)



Trip alarm contact 1 C/O



Auxiliary 1 C/O +  
Trip alarm contact 1 C/O



Shunt release (MX)



## EasyPact Molded Case Circuit Breaker 800 - 1250 N

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| <b>ETS 2</b>                             |               |                      |              |                     |              |
| 50 kA at 415 V AC                        | 800 A         | LV508231             | On Request   | LV508241            | On Request   |
|  | 1000 A        | LV510231             |              | LV510241            |              |
|  | 1250 A        | LV512231             |              | LV512241            |              |
| <b>ETS 6</b>                             |               |                      |              |                     |              |
| 50 kA at 415 V AC                        | 800 A         | LV508232             | On Request   | LV508242            | On Request   |
|  | 1000 A        | LV510232             |              | LV510242            |              |
|  | 1250 A        | LV512232             |              | LV512242            |              |



## EasyPact Molded Case Circuit Breaker 800 - 1250 SD

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| <b>SD</b>                                |               |                      |              |                     |              |
| 415 V AC                                 | 800 A         | LV508230             | On Request   | LV508240            | On Request   |
|  | 1000 A        | LV510230             |              | LV510240            |              |
|  | 1250 A        | LV512230             |              | LV512240            |              |



## Spreader links

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
|  | 800 A         | LV508530             | On Request   | LV508540            | On Request   |
|  | 1000 A        | LV510530             |              | LV510540            |              |
|  | 1250 A        | LV512530             |              | LV512540            |              |



## Extended Rotary Handle

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV500500  | On Request   |
| 1000 A        |           |              |
| 1250 A        |           |              |



## External Neutral CT

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV508560  | On Request   |
| 1000 A        | LV510560  |              |
| 1250 A        | LV512560  |              |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



**Adaptor kit for External Neutral CT**

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV5085703 | On Request   |
| 1000 A        | LV510570  |              |
| 1250 A        | LV512570  |              |



**Auxiliary 1 C/O + Trip Alarm Contact 1 C/O**

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV500604  | On Request   |
| 1000 A        |           |              |
| 1250 A        |           |              |



**Auxiliary Switch 1 C/O**

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV500601  | On Request   |
| 1000 A        |           |              |
| 1250 A        |           |              |



**Shunt Release (110/240/415 V AC)**

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV500605  | On Request   |
| 1000 A        |           |              |
| 1250 A        |           |              |



**Auxiliary Switch 2 C/O**

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV500602  | On Request   |
| 1000 A        |           |              |
| 1250 A        |           |              |



**Under Voltage release (240 V AC)**

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV500606  | On Request   |
| 1000 A        |           |              |
| 1250 A        |           |              |



**Trip Alarm Contact**

| Rated Current | Reference | Unit MRP [₹] |
|---------------|-----------|--------------|
| 800 A         | LV500603  | On Request   |
| 1000 A        |           |              |
| 1250 A        |           |              |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# ComPacT NSX & NSXm

Molded-Case Circuit Breakers  
And Switch-Disconnectors  
From 16 To 630 A - Up To 690 V



# ComPact NSXm & NSX

Schneider Electric is proud to introduce the new generation of ComPacT MCCBs. These breakers talk to you, wherever you are, in all transparency. New design complements new wireless connectivity capabilities with our latest wireless auxiliary contact.

## ComPact Design



### New signature design

- Schneider Electric green signature style for the entire ComPacT range
- Estimated 40% reduction of wiring time for panel builders
- Experience easier installation thanks to a new ergonomic front-plate design
- Gain the confidence that all auxiliaries are on the right spot, and simply double check that you have the right coil rating
- Ergonomic new toggle for easier breaker manual operation

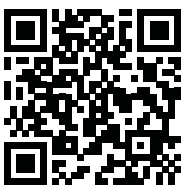
## Wireless Auxiliary Contact



### Wireless breaker status

- Plug & play technology for clear connection status (0 or 1, no half-way wired)
- Placed in the same position as the wired version, its LED light will give you direct indication in case of a tripping
- If you are away, your ComPacT will send you an immediate notification via EcoStruxure Facility Expert for instance
- Wireless auxiliary accelerates overall wiring time: status communication is done very simply and commissioned wirelessly
- Communication architecture is fully EcoStruxure Power validated, with any application

## Ready to meet the new face of ComPacT?



Meet the new generation of ComPacT™ circuit breakers with semi-transparent faceplate, screwless auxiliaries and remote monitoring features.

Learn about the benefits of the ComPacT range here:  
[se.com/compact-nsx](https://se.com/compact-nsx)

# ComPacT NSXm & NSX

Contribute to a better world. Enhance sustainability with ComPacT range

Achieve Green Building certification with Green Premium ecolabel

In compliance with ISO 14025 PEP ecopassport program, we publish a comprehensive Life Cycle Analysis of our product, providing the environmental data you need to achieve Green Building certifications.

For example, ComPacT NSX & NSXm contribute to 3 LEED™ points in the Building Product Disclosure and Optimization section:

- Environmental Product Declaration
- Material Ingredients



ComPacT NSX range is now enriched with the new ComPacT NSXm, designed according to the EcoDesign Way™ by Schneider. It now features new space saving frame size for reduced resource consumption, and more.



## New Packaging

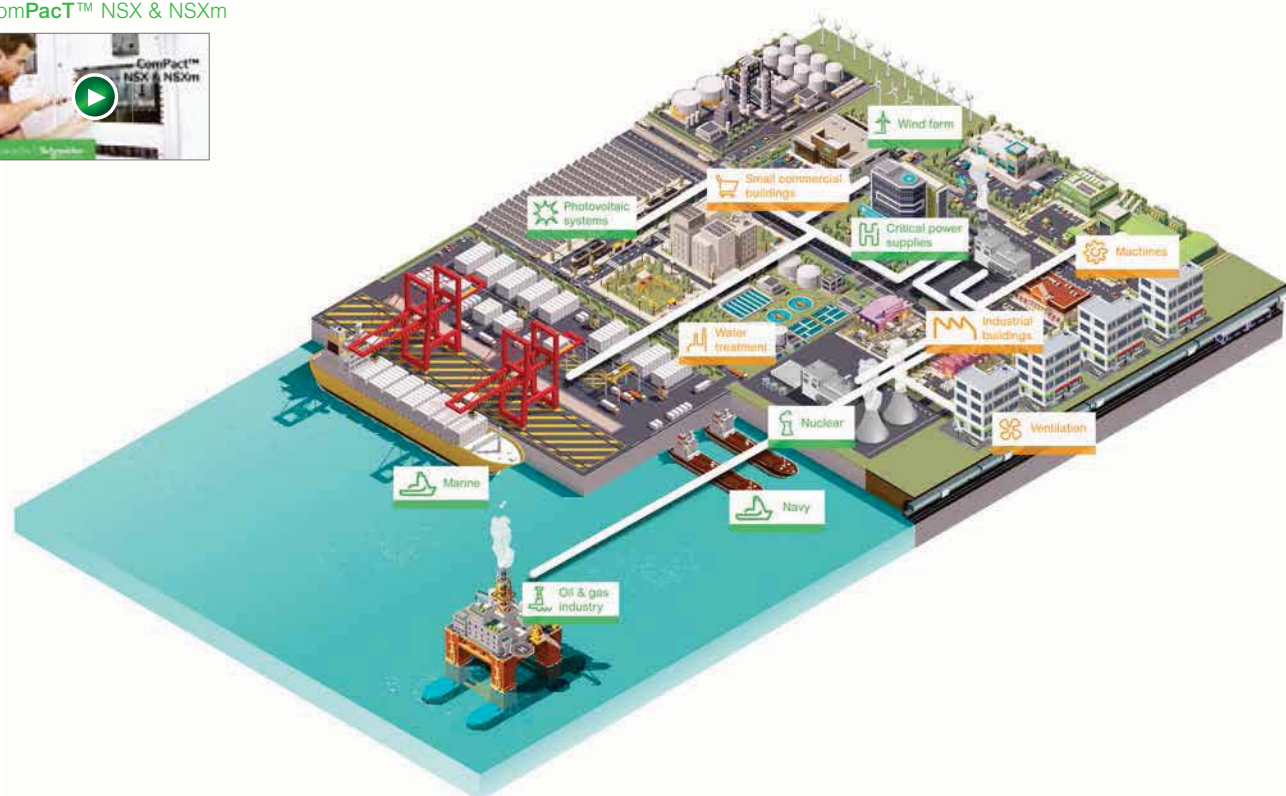
- The ComPacT range comes in plastic-less packaging: not only to reduce our carbon footprint, but it also means less waste in the workshop
- Simplified instruction sheets included in all packaging
- 100% recycled carton
- Scan QR codes for access to digital documentation
- This product is REACH and RoHS compliant



# ComPact NSXm & NSX Application Overview

The ComPact NSX and NSXm circuit breakers and switch-disconnectors are the best choice for all standards and specific applications.

## ComPact™ NSX & NSXm



> ComPact INS/INV [a]



LVPED213024EN

> FuPacT [a]



LVPED216031EN

> Substitution and Technical Guide  
ComPact NSX High Performances [b]



LVPED508025EN

> ComPact NSX, ComPact INS/INV,  
MasterPact NW DC - DC PV - DC EP [c]



LVPED221002EN

> TransferPacT  
(Source-changeover systems) [d]



LVPED216028EN

> Complementary technical information



LVPED318033EN

# ComPact NSXm & NSX

## New generation, simpler commercial references

### New meaningful references to make your life easier

We understand any change in commercial references will be an adjustment, but in the long run we believe this change is needed, and will make your life easier.

| Type (1) | Frame rating (2) | Breaking capacity (1) | Num Poles (2) | Trip Unit (2) | Trip Unit Ratings (3) | Suffix (1)   |
|----------|------------------|-----------------------|---------------|---------------|-----------------------|--------------|
| NSX = C  | 100m = 11        | 16kA = E              | 1P = 1        | TMD = TM      | 16 = 016              | EverLink = L |
| NSXm = C | 160m = 12        | 25kA = B              | 2P = 2        | MA = MA       | 20 = 020              | Busbar = B   |
|          | 100 = 10         | 36kA = F              | 3P3D = 3      | TMG = MG      | 25 = 025              | Fixed = F    |
|          | 160 = 16         | 50kA = N              | 4P4D = 4      | 1.3 M = 1M    | 30 = 030              | DC = D       |
|          | 250 = 25         | 70kA = H              | 3P2D = 5      | 2.2 = 2D      | 40 = 040              | Switch = S   |
|          | 400 = 40         | 100kA = S             | 4P3D = 6      | 2.3 = 2D      | 50 = 050              | DC PV = DP   |
|          | 630 = 63         | 150kA = L             |               | 4.1 = 4V      | 63 = 063              |              |
|          |                  | ...                   |               | 4.2 = 4V      | 80 = 080              | Acc with ID  |
|          |                  |                       | ...           | 100 = 100     | change = T            |              |
|          |                  |                       |               |               | ...                   |              |

For instance LV429630 will become C10F3TM100  
ComPact Breaker NSX100F 36kA AC 3P3D 100A TMD

### Scan QR code for breaker updates

Each breaker is equipped with a QR code that allows you to get the latest information on your breaker.





## NSXm Thermal Magnetic Trip Unit (TMD)

- Ics = 100% Icu as per IEC 60947-2
- Adjustable thermal setting 0.7 to 1 x In
- Fixed magnetic settings
- Single frame size upto 160A
- 5 breaking capacities from 16kA to 70kA
- With compression lug connectors
- All the circuit breakers have a transparent lead-sealable cover

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 16kA                                     | 16A           | C11E3TM016B          | 12970        | C11E6TM016B         | 18630        |
|  | 25A           | C11E3TM025B          | 12970        | C11E6TM025B         | 18630        |
|  | 32A           | C11E3TM032B          | 12970        | C11E6TM032B         | 18630        |
|  | 40A           | C11E3TM040B          | 12970        | C11E6TM040B         | 18630        |
|  | 50A           | C11E3TM050B          | 12970        | C11E6TM050B         | 18630        |
|  | 63A           | C11E3TM063B          | 12970        | C11E6TM063B         | 18630        |
|  | 80A           | C11E3TM080B          | 12970        | C11E6TM080B         | 18630        |
|  | 100A          | C11E3TM100B          | 12970        | C11E6TM100B         | 18630        |
|  | 125A          | C12E3TM125B          | 22980        | C12E6TM125B         | 28300        |
|  | 160A          | C12E3TM160B          | 24590        | C12E6TM160B         | 30840        |
| 25kA                                     | 16A           | C11B3TM016B          | 12970        | C11B6TM016B         | 18630        |
|  | 25A           | C11B3TM025B          | 12970        | C11B6TM025B         | 18630        |
|  | 32A           | C11B3TM032B          | 12970        | C11B6TM032B         | 18630        |
|  | 40A           | C11B3TM040B          | 12970        | C11B6TM040B         | 18630        |
|  | 50A           | C11B3TM050B          | 12970        | C11B6TM050B         | 18630        |
|  | 63A           | C11B3TM063B          | 12970        | C11B6TM063B         | 18630        |
|  | 80A           | C11B3TM080B          | 12970        | C11B6TM080B         | 18630        |
|  | 100A          | C11B3TM100B          | 12970        | C11B6TM100B         | 18630        |
|  | 125A          | C12B3TM125B          | 22980        | C12B6TM125B         | 28300        |
|  | 160A          | C12B3TM160B          | 24590        | C12B6TM160B         | 30840        |
| 36kA                                     | 16A           | C11F3TM016B          | 15800        | C11F6TM016B         | 20000        |
|  | 25A           | C11F3TM025B          | 15800        | C11F6TM025B         | 20000        |
|  | 32A           | C11F3TM032B          | 15800        | C11F6TM032B         | 20000        |
|  | 40A           | C11F3TM040B          | 15800        | C11F6TM040B         | 20000        |
|  | 50A           | C11F3TM050B          | 15800        | C11F6TM050B         | 20000        |
|  | 63A           | C11F3TM063B          | 15800        | C11F6TM063B         | 20000        |
|  | 80A           | C11F3TM080B          | 15800        | C11F6TM080B         | 20000        |
|  | 100A          | C11F3TM100B          | 15800        | C11F6TM100B         | 20000        |
|  | 125A          | C12F3TM125B          | 23610        | C12F6TM125B         | 29400        |
|  | 160A          | C12F3TM160B          | 24780        | C12F6TM160B         | 31710        |
| 50kA                                     | 16A           | C11N3TM016B          | 18790        | C11N6TM016B         | 23560        |
|  | 25A           | C11N3TM025B          | 18790        | C11N6TM025B         | 23560        |
|  | 32A           | C11N3TM032B          | 18790        | C11N6TM032B         | 23560        |
|  | 40A           | C11N3TM040B          | 18790        | C11N6TM040B         | 23560        |
|  | 50A           | C11N3TM050B          | 18790        | C11N6TM050B         | 23560        |
|  | 63A           | C11N3TM063B          | 18790        | C11N6TM063B         | 23560        |
|  | 80A           | C11N3TM080B          | 18790        | C11N6TM080B         | 23560        |
|  | 100A          | C11N3TM100B          | 18790        | C11N6TM100B         | 23560        |
|  | 125A          | C12N3TM125B          | 28390        | C12N6TM125B         | 32640        |
|  | 160A          | C12N3TM160B          | 28990        | C12N6TM160B         | 34270        |
| 70kA                                     | 16A           | C11H3TM016B          | 24020        | C11H6TM016B         | 30980        |
|  | 25A           | C11H3TM025B          | 24020        | C11H6TM025B         | 30980        |
|  | 32A           | C11H3TM032B          | 24020        | C11H6TM032B         | 30980        |
|  | 40A           | C11H3TM040B          | 24020        | C11H6TM040B         | 30980        |
|  | 50A           | C11H3TM050B          | 24020        | C11H6TM050B         | 30980        |
|  | 63A           | C11H3TM063B          | 24020        | C11H6TM063B         | 30980        |
|  | 80A           | C11H3TM080B          | 24020        | C11H6TM080B         | 30980        |
|  | 100A          | C11H3TM100B          | 24020        | C11H6TM100B         | 30980        |
|  | 125A          | C12H3TM125B          | 44710        | C12H6TM125B         | 47510        |
|  | 160A          | C12H3TM160B          | 45190        | C12H6TM160B         | 48470        |

**Note:** For Everlink type NSXm MCCBs add prices of LV426970 (3Pole) or LV426971(4Pole) -2 Sets in above MCCBs

For details on stockable and non stockable status, technical parameter, please contact Customer Care Centre



## NSXm integrated Earth Leakage protection (MicroLogic Vigi 4.1 Trip Unit)

- Standard protection of distribution cables
- Earth leakage protection
- Indication of:
  - Overload alarming (via LEDs and via SDx module)
  - Overload tripping (via the SDx module)
- Earth leakage alarming (via the SDx module)
- Earth leakage tripping (via front face screen and the SDx module).

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 16kA                                     | 25A           | C11E34V025B          | 38510        | C11E44V025B         | 43100        |
|  | 50A           | C11E34V050B          |              | C11E44V050B         |              |
|  | 100A          | C11E34V100B          |              | C11E44V100B         |              |
|  | 160A          | C12E34V160B          |              | C12E44V160B         |              |
| 25kA                                     | 25A           | C11B34V025B          | 40620        | C11B44V025B         | 45550        |
|  | 50A           | C11B34V050B          |              | C11B44V050B         |              |
|  | 100A          | C11B34V100B          |              | C11B44V100B         |              |
|  | 160A          | C12B34V160B          |              | C12B44V160B         |              |
| 36kA                                     | 25A           | C11F34V025B          | 40620        | C11F44V025B         | 46750        |
|  | 50A           | C11F34V050B          |              | C11F44V050B         |              |
|  | 100A          | C11F34V100B          |              | C11F44V100B         |              |
|  | 160A          | C12F34V160B          |              | C12F44V160B         |              |
| 50kA                                     | 25A           | C11N34V025B          | 44350        | C11N44V025B         | 50320        |
|  | 50A           | C11N34V050B          |              | C11N44V050B         |              |
|  | 100A          | C11N34V100B          |              | C11N44V100B         |              |
|  | 160A          | C12N34V160B          |              | C12N44V160B         |              |
| 70kA                                     | 25A           | C11H34V025B          | 48970        | C11H44V025B         | 56300        |
|  | 50A           | C11H34V050B          |              | C11H44V050B         |              |
|  | 100A          | C11H34V100B          |              | C11H44V100B         |              |
|  | 160A          | C12H34V160B          |              | C12H44V160B         |              |



- Suitability for isolation as defined by standard IEC 60947-3
- Self protected by their high-set magnetic release
- Single frame size upto 160A

## ComPact NSXm NA switch-disconnector

### With Compression Lug connectors

| Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---------------|----------------------|--------------|---------------------|--------------|
| 50A           | C113050BS            | 13300        | C114050BS           | 19670        |
| 100A          | C113100BS            |              | C114100BS           |              |
| 160A          | C123160BS            | 27200        | C124160BS           | 36290        |

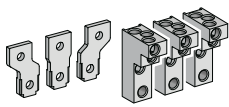
## ComPact NSXm NA switch-disconnector

### With EverLink™ connectors

| Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---------------|----------------------|--------------|---------------------|--------------|
| 50A           | C113050LS            | 13970        | C114050LS           | 20670        |
| 100A          | C113100LS            |              | C114100LS           |              |
| 160A          | C123160LS            | 28600        | C124160LS           | 38150        |

## Accessories for ComPact NSXm

16A to 160A



Terminal spreaders



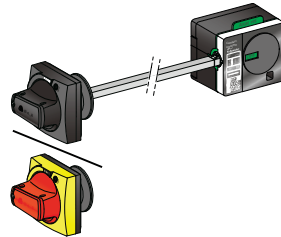
OF or SD auxiliary contact standard



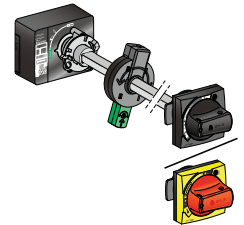
MN or MX voltage releases standard



Direct rotary handle



Side Rotary handle



Extended rotary handle

## NSXm Accessories

### Auxiliary contacts (changeover)

| Description       | Reference | Unit MRP [₹] |
|-------------------|-----------|--------------|
| Standard OF or SD | LV426950  | 1130         |

### Rotary Handles

| Description | Reference | Unit MRP [₹] |
|-------------|-----------|--------------|
|-------------|-----------|--------------|

#### Direct rotary handle

|                       |                        |      |
|-----------------------|------------------------|------|
| Standard black handle | LV426930/<br>LV426930T | 1450 |
|-----------------------|------------------------|------|

#### Extended rotary handle

|                                       |                        |      |
|---------------------------------------|------------------------|------|
| Standard extended rotary black handle | LV426932/<br>LV426932T | 2310 |
|---------------------------------------|------------------------|------|

#### Side rotary handle

|                                   |                        |      |
|-----------------------------------|------------------------|------|
| Standard side rotary black handle | LV426935/<br>LV426935T | 3700 |
|-----------------------------------|------------------------|------|

### Voltage Releases

| Description        | Shunt Release Reference | Unit MRP [₹] | Under Voltage Reference | Unit MRP [₹] |
|--------------------|-------------------------|--------------|-------------------------|--------------|
| <b>AC</b>          |                         |              |                         |              |
| 24 V 50/60 Hz      | LV426841                | 2960         | LV426801                | 3810         |
| 48 V 50/60 Hz      | LV426842                | 4030         | LV426802                | 4340         |
| 110-130 V 50/60 Hz | LV426843                | 2690         | LV426803                | 3500         |
| 220-240 V 50/60 Hz | LV426844                | 2830         | LV426804                |              |
| 380-415 V 50 Hz    | LV426846                | 2690         | LV426806                |              |
| <b>DC</b>          |                         |              |                         |              |
| 24 V               | LV426841                | 2960         | LV426801                | 3810         |
| 48 V               | LV426842                | 4030         | LV426802                | 4340         |
| 125 V              | LV426843                | 2690         | LV426803                | 3500         |
| 250 V              | LV426844                | 2830         | LV426815                | 4230         |

### Spreader Links

| Description | Reference | Unit MRP [₹] |
|-------------|-----------|--------------|
|-------------|-----------|--------------|

#### Spreaders & Phase Barriers

|                         |          |      |
|-------------------------|----------|------|
| Spreaders (Set of 3) 3P | LV426940 | 850  |
| Spreaders (Set of 4) 4P | LV426941 | 1160 |

### Everlink Accessories

| Description | Reference | Unit MRP [₹] |
|-------------|-----------|--------------|
|-------------|-----------|--------------|

#### Everlink Connectors

|   |          |      |
|---|----------|------|
| EverLink connector with control wire terminal for 3P (Set of 3) | LV426970 | 1040 |
| EverLink connector with control wire terminal for 4P (Set of 4) | LV426971 | 1360 |

For details on stockable and non stockable status, technical parameter, please contact Customer Care Centre

# TeSys Power

## Circuit Breakers for Motor Protection

### GV4LE



- IEC/EN 60947-1, IEC/EN 60947-2, CCC, EAC
- Can be used with class 5, 10 or 20 relay
- Short Circuit Protection with an adjustable pick-up  $I_i = 6$  to 14 In.
- From 0.25 - 55kW

#### Magnetic Toggle Control

| Motor Power AC-3<br>(400/415V AC) |         | In   | Magnetic<br>Setting<br>Range | 25kA Breaking<br>Capacity |                 | 50kA Breaking<br>Capacity |                 | 100kA Breaking<br>Capacity |                 |
|-----------------------------------|---------|------|------------------------------|---------------------------|-----------------|---------------------------|-----------------|----------------------------|-----------------|
| kW                                | HP      | (A)  | A                            | Reference                 | Unit MRP<br>[₹] | Reference                 | Unit MRP<br>[₹] | Reference                  | Unit MRP<br>[₹] |
| 0.25..0.75                        | 0.3..1  | 2    | 12..28                       | -                         | -               | GV4LE02N6                 | On Request      | GV4LE02S6                  | On Request      |
| 0.55..1.5                         | 0.7..2  | 3.5  | 21..49                       | -                         | -               | GV4LE03N6                 |                 | GV4LE03S6                  |                 |
| 1.5..3                            | 2..4    | 7    | 42..96                       | -                         | -               | GV4LE07N6                 |                 | GV4LE07S6                  |                 |
| 3..5.5                            | 4..7.5  | 12.5 | 75..175                      | -                         | -               | GV4LE12N6                 |                 | GV4LE12S6                  |                 |
| 5.5..11                           | 7.5..14 | 25   | 150..350                     | GV4LE25B6                 | On Request      | GV4LE25N6                 |                 | GV4LE25S6                  |                 |
| 11..22                            | 15..30  | 50   | 300..700                     | GV4LE50B6                 |                 | GV4LE50N6                 |                 | GV4LE50S6                  |                 |
| 18.5..37                          | 25..50  | 80   | 480..1120                    | GV4LE80B6                 |                 | GV4LE80N6                 |                 | GV4LE80S6                  |                 |
| 30..55                            | 40..75  | 115  | 690..1610                    | GV4LE115B6                |                 | GV4LE115N6                |                 | GV4LE115S6                 |                 |

**Note:** For Everlink termination please order after removing the 6 at the end Eg. GV4LE115N

### GV4PE



- IEC/EN 60947-1, IEC/EN 60947-2, IEC/EN 60947-4-1, UL 60497-4-1, CCC, EAC, CSA
- Overload or thermal protection
- Short time delay protection
- Short circuit protection
- Fixed Ground fault protection
- Phase unbalance or phase loss
- Front indications through LED
- Variable Trip class : Trip Class 10/ Trip Class 20

#### Thermal Magnetic Protection Toggle Control

| Motor Power AC-3<br>(400/415V AC) |         | In   | Magnetic<br>Setting<br>Range | 25kA Breaking<br>Capacity |                 | 50kA Breaking<br>Capacity |                 | 100kA Breaking<br>Capacity |                 |
|-----------------------------------|---------|------|------------------------------|---------------------------|-----------------|---------------------------|-----------------|----------------------------|-----------------|
| kW                                | HP      | (A)  | A                            | Reference                 | Unit MRP<br>[₹] | Reference                 | Unit MRP<br>[₹] | Reference                  | Unit MRP<br>[₹] |
| 0.25..0.75                        | 0.3..1  | 2    | 0.8..2                       | -                         | -               | GV4PE02N6                 | On Request      | GV4PE02S6                  | On Request      |
| 0.55..1.5                         | 0.7..2  | 3.5  | 1.4..3.5                     | -                         | -               | GV4PE03N6                 |                 | GV4PE03S6                  |                 |
| 1.5..3                            | 2..4    | 7    | 2.9..7                       | -                         | -               | GV4PE07N6                 |                 | GV4PE07S6                  |                 |
| 3..5.5                            | 4..7.5  | 12.5 | 5..12.5                      | -                         | -               | GV4PE12N6                 |                 | GV4PE12S6                  |                 |
| 5.5..11                           | 7.5..14 | 25   | 10..25                       | GV4PE25B6                 | On Request      | GV4PE25N6                 |                 | GV4PE25S6                  |                 |
| 11..22                            | 15..30  | 50   | 20..50                       | GV4PE50B6                 |                 | GV4PE50N6                 |                 | GV4PE50S6                  |                 |
| 18.5..37                          | 25..50  | 80   | 40..80                       | GV4PE80B6                 |                 | GV4PE80N6                 |                 | GV4PE80S6                  |                 |
| 30..55                            | 40..75  | 115  | 65..115                      | GV4PE115B6                |                 | GV4PE115N6                |                 | GV4PE115S6                 |                 |

**Note:** For Everlink version please order after removing the 6 at the end. Eg. GV4PE115N

| Crimp Lug/busbar connection                           |                                 |           |          |
|---|---------------------------------|-----------|----------|
| Description   | Sold in lots of                 | Reference |          |
| Crimped lug connector + screws                        | 1                               | GV4LUG    |          |
| Transparent terminal shield for crimped lug connector | 1                               | LAD96590  |          |
| Interphase barriers                                   | 6                               | LV426920  |          |
| Spreader 3-pole                                       | To increase the pitch to 35 min | 1         | LV426940 |



# TeSys Power

## Circuit Breakers for Motor Protection

### Accessories for GV4



#### MX Shunt Trip

- Trips the circuit breaker when the control voltage rises above 70% of rated voltage
- Shunt trip 110..130V AC is suitable.. etc for ground fault protection when combined with a Class I ground fault sensing element

#### MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 35% of its rated voltage

| Description              | Mounting          | Voltage   | References | Unit MRP [₹] |
|--------------------------|-------------------|---|------------|--------------|
| Mx Shunt Trip            | Internal, Plug-In | 220-240 VAC 50 Hz, 208-240 VAC 60 Hz, 277 VAC 60 Hz | GV4AS287   | On Request   |
| Mn Under Voltage Release | Internal, Plug-In | 440-480 VAC 60 Hz                                   | GV4AU486   |              |

### Auxiliary Contact Blocks



An auxiliary contact block provides one changeover contact with one common point for OF and SD function, depending on where it is inserted

Open/Close OF Function: indicates position of the circuit breaker contacts

Trip Alarm SD Function: indicates circuit breaker tripping due to:

- Electrical fault (overload, short circuit)
- Shunt trip/Undervoltage release
- "Push to Trip" Function

Resets when the circuit breaker is reset

| Description             | Maximum Number          | Mounting         | Type of Contacts | Reference | Unit MRP [₹] |
|-------------------------|-------------------------|------------------|------------------|-----------|--------------|
| Auxiliary Contact Block | 2 (1 Each For OF or SD) | Internal Plug-In | NO + NC          | GV4AE11   | On Request   |

### Rotary Handles

| Description  | Type                       | Degree of Protection | Reference | Unit MRP [₹] |
|--|----------------------------|----------------------|-----------|--------------|
| Direct Mounting Rotary Handle  | BLACK                      | IP40                 | GV4ADN01  | On Request   |
|  | BLACK                      | IP54                 | GV4APN01  |              |
| Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm) | RED HANDLE ON YELLOW BEZEL | IP54                 | GV4APN02  |              |
|  | RED HANDLE ON YELLOW BEZEL | IP65                 | GV4APN04  |              |

### Connection Accessories

| Description   | Reference |
|---|-----------|
| Spreader 3-pole (To increase pitch to 35mm) (1 pce) | LV426940  |

# COMPACT

## Moulded Case Circuit Breaker

The new generation of reliable ComPacT circuit breakers features improved performance and easier installation.

- Gain a competitive edge with easy-to-upgrade, wireless connectivity of circuit breakers and panels.
- Experience easier installation thanks to a new ergonomic front-plate design.
- Improve build and installation times with screwless, plug-and-play auxiliaries.



ComPacT™ molded-case circuit breaker

[se.com/compact-nsx](http://se.com/compact-nsx)

Life Is On

Schneider  
Electric

# ComPact NSX

## New generation of ComPacT MCCBs



- Ethernet based communication system for monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for precise measurement
- Wireless auxiliary Contacts accelerates overall wiring time: status communication is done very simply and commissioned wirelessly
- Intelligent discrimination for continuity of service and enhanced discrimination by cascading
- Patented reflex tripping, independent of other protection functions, ensures ultra fast tripping in the event of very high short circuit
- Encapsulated roto-active double break contact system limits fault current for extended system life
- Best in class electrical life (30k cycles for NSX 100 @ 440 V) reduces operational expenditure
- High performance =>  $I_{cs} = I_{cu} = 100\text{kA} @ 690\text{V AC}$

### Range Details:

- 16A to 630A in two frames sizes
- Breaking capacity up to 200kA @ 415V
- TMD and Electronic based trip unit
- Available in Fixed, Plug-in and Draw out type versions



## NSX Thermal Magnetic Trip Unit (TM-D)

- Ics = 100% Icu as per IEC 60947-2
- Adjustable thermal setting 0.7 to 1 x In
- Adjustable magnetic setting 5 to 10 x Ir \*\*
- Transparent cover for trip unit as standard
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 25kA                                     | 16A           | C10B3TM016           | 13230        | C10B6TM016          | 19010        |
|  | 25A           | C10B3TM025 ✓         | 13230        | C10B6TM025          | 19010        |
|  | 32A           | C10B3TM032 ✓         | 13230        | C10B6TM032          | 19010        |
|  | 40A           | C10B3TM040 ✓         | 13230        | C10B6TM040          | 19010        |
|  | 50A           | C10B3TM050           | 13230        | C10B6TM050          | 19010        |
|  | 63A           | C10B3TM063 ✓         | 13230        | C10B6TM063 ✓        | 19010        |
|  | 80A           | C10B3TM080 ✓         | 13230        | C10B6TM080          | 19010        |
|  | 100A          | C10B3TM100 ✓         | 13230        | C10B6TM100 ✓        | 19010        |
|  | 125A          | C16B3TM125 ✓         | 23450        | C16B6TM125 ✓        | 28880        |
|  | 160A          | C16B3TM160 ✓         | 25090        | C16B6TM160 ✓        | 31470        |
|  | 200A          | C25B3TM200           | 36140        | C25B6TM200 ✓        | 43480        |
| 250A                                     | C25B3TM250 ✓  | 36840                | C25B6TM250 ✓ | 44340               |              |
| 36kA                                     | 16A           | C10F3TM016 ✓         | 16120        | C10F6TM016          | 20410        |
|  | 25A           | C10F3TM025 ✓         | 16120        | C10F6TM025          | 20410        |
|  | 32A           | C10F3TM032 ✓         | 16120        | C10F6TM032 ✓        | 20410        |
|  | 40A           | C10F3TM040 ✓         | 16120        | C10F6TM040          | 20410        |
|  | 50A           | C10F3TM050           | 16120        | C10F6TM050          | 20410        |
|  | 63A           | C10F3TM063 ✓         | 16120        | C10F6TM063 ✓        | 20410        |
|  | 80A           | C10F3TM080 ✓         | 16120        | C10F6TM080          | 20410        |
|  | 100A          | C10F3TM100 ✓         | 16120        | C10F6TM100 ✓        | 20410        |
|  | 125A          | C16F3TM125 ✓         | 24090        | C16F6TM125 ✓        | 30000        |
|  | 160A          | C16F3TM160 ✓         | 25290        | C16F6TM160 ✓        | 32360        |
|  | 200A          | C25F3TM200 ✓         | 36610        | C25F6TM200 ✓        | 45120        |
| 250A                                     | C25F3TM250 ✓  | 37660                | C25F6TM250 ✓ | 46940               |              |
| 50kA                                     | 16A           | C10N3TM016           | 19170        | C10N6TM016          | 24040        |
|  | 25A           | C10N3TM025           | 19170        | C10N6TM025          | 24040        |
|  | 32A           | C10N3TM032 ✓         | 19170        | C10N6TM032          | 24040        |
|  | 40A           | C10N3TM040 ✓         | 19170        | C10N6TM040          | 24040        |
|  | 50A           | C10N3TM050           | 19170        | C10N6TM050          | 24040        |
|  | 63A           | C10N3TM063 ✓         | 19170        | C10N6TM063          | 24040        |
|  | 80A           | C10N3TM080 ✓         | 19170        | C10N6TM080          | 24040        |
|  | 100A          | C10N3TM100 ✓         | 19170        | C10N6TM100          | 24040        |
|  | 125A          | C16N3TM125 ✓         | 28970        | C16N6TM125          | 33310        |
|  | 160A          | C16N3TM160 ✓         | 29580        | C16N6TM160          | 34970        |
|  | 200A          | C25N3TM200 ✓         | 39460        | C25N6TM200          | 48200        |
| 250A                                     | C25N3TM250 ✓  | 40210                | C25N6TM250   | 51140               |              |
| 70kA                                     | 16A           | C10H3TM016           | 24510        | C10H6TM016          | 31610        |
|  | 25A           | C10H3TM025           | 24510        | C10H6TM025          | 31610        |
|  | 32A           | C10H3TM032           | 24510        | C10H6TM032          | 31610        |
|  | 40A           | C10H3TM040           | 24510        | C10H6TM040          | 31610        |
|  | 50A           | C10H3TM050           | 24510        | C10H6TM050          | 31610        |
|  | 63A           | C10H3TM063 ✓         | 24510        | C10H6TM063          | 31610        |
|  | 80A           | C10H3TM080           | 24510        | C10H6TM080          | 31610        |
|  | 100A          | C10H3TM100 ✓         | 24510        | C10H6TM100          | 31610        |
|  | 125A          | C16H3TM125           | 45620        | C16H6TM125          | 48480        |
|  | 160A          | C16H3TM160 ✓         | 46110        | C16H6TM160          | 49460        |
|  | 200A          | C25H3TM200           | 52410        | C25H6TM200          | 68100        |
| 250A                                     | C25H3TM250 ✓  | 52910                | C25H6TM250   | 68780               |              |

**Note:**

- \*\* applicable for NSX 200A & 250A
- For higher breaking capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales office.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



### NSX Micrologic 2 (µP -ASIC based)

- Protection type LS01N
- Ics = 100% Icu as per IEC 60947-2
- Adjustable overload from 0.40 to 1 x In
- Adjustable short circuit from 1.5 to 10 x Ir
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Two frame sizes up to 630A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference                           | Unit MRP [₹] | Four Pole Reference                            | Unit MRP [₹] |
|--|---------------|--|--------------|--|--------------|
| 25kA                                     | 40A           | C10B32D040 <input checked="" type="checkbox"/> | 23520        | C10B42D040                                     | 30270        |
|  | 100A          | C10B32D100 <input checked="" type="checkbox"/> | 23520        | C10B42D100 <input checked="" type="checkbox"/> | 30270        |
|  | 160A          | C16B32D160 <input checked="" type="checkbox"/> | 30040        | C16B42D160 <input checked="" type="checkbox"/> | 38320        |
|  | 250A          | C25B32D250 <input checked="" type="checkbox"/> | 39480        | C25B42D250 <input checked="" type="checkbox"/> | 50640        |
| 36kA                                     | 40A           | C10F32D040                                     | 23910        | C10F42D040                                     | 30410        |
|  | 100A          | C10F32D100 <input checked="" type="checkbox"/> | 23910        | C10F42D100 <input checked="" type="checkbox"/> | 30410        |
|  | 160A          | C16F32D160 <input checked="" type="checkbox"/> | 30570        | C16F42D160 <input checked="" type="checkbox"/> | 42250        |
|  | 250A          | C25F32D250 <input checked="" type="checkbox"/> | 41330        | C25F42D250 <input checked="" type="checkbox"/> | 57280        |
|  | 400A          | C40F32D400 <input checked="" type="checkbox"/> | 57820        | C40F42D400 <input checked="" type="checkbox"/> | 65920        |
|  | 630A          | C63F32D630 <input checked="" type="checkbox"/> | 61390        | C63F42D630 <input checked="" type="checkbox"/> | 78530        |
| 50kA                                     | 40A           | C10N32D040                                     | 28690        | C10N42D040                                     | 38810        |
|  | 100A          | C10N32D100 <input checked="" type="checkbox"/> | 28690        | C10N42D100 <input checked="" type="checkbox"/> | 39960        |
|  | 160A          | C16N32D160 <input checked="" type="checkbox"/> | 36340        | C16N42D160                                     | 47290        |
|  | 250A          | C25N32D250 <input checked="" type="checkbox"/> | 47210        | C25N42D250 <input checked="" type="checkbox"/> | 61360        |
|  | 400A          | C40N32D400 <input checked="" type="checkbox"/> | 59910        | C40N42D400 <input checked="" type="checkbox"/> | 77810        |
|  | 630A          | C63N32D630 <input checked="" type="checkbox"/> | 62100        | C63N42D630 <input checked="" type="checkbox"/> | 82260        |
| 70kA                                     | 40A           | C10H32D040                                     | 36220        | C10H42D040                                     | 45870        |
|  | 100A          | C10H32D100                                     | 36770        | C10H42D100                                     | 45870        |
|  | 160A          | C16H32D160                                     | 48560        | C16H42D160                                     | 61980        |
|  | 250A          | C25H32D250                                     | 54540        | C25H42D250                                     | 78710        |
|  | 400A          | C40H32D400 <input checked="" type="checkbox"/> | 68160        | C40H42D400                                     | 89510        |
|  | 630A          | C63H32D630 <input checked="" type="checkbox"/> | 69850        | C63H42D630                                     | 108650       |

**Note:** For higher breaking capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales office.

### NSX Micrologic 2 (µP -ASIC based) / TMD / MA+ shunt +GFP

- Protection type LS01GN
- Ics = 100% Icu as per IEC 60947-2
- Fault indication for GF (LED type) meant for human safety
- Adjustable overload from 0.36 to 1 x In
- Adjustable short circuit from 1.5 to 10 x Ir
- Adjustable earth fault sensitivity selection 10 to 60%
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Two frame sizes up to 630A
- Suitable for 3P3W & 3P4W electrical distribution network
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB



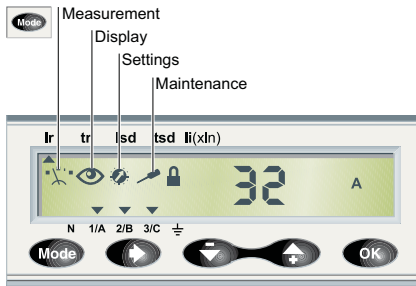
| MCCB Frame        | Relay Module rated current | 3 Ph + 3W Reference                            | Unit MRP [₹] | 3 Ph + 4W Reference                            | Unit MRP [₹] |
|-------------------|----------------------------|--|--------------|--|--------------|
| CVS/NSX100        | 32, 40, 50, 63, 80, 100    | GFP11CT13P <input checked="" type="checkbox"/> | 7370         | GFP11CT14P <input checked="" type="checkbox"/> | 8070         |
| CVS/NSX 160 / 250 | 125, 160, 200, 250         | GFP12CT23P <input checked="" type="checkbox"/> | 8370         | GFP12CT24P <input checked="" type="checkbox"/> | 9460         |
| CVS/NSX 400 / 630 | 400, 630                   | GFP13CT33P <input checked="" type="checkbox"/> | 12670        | GFP13CT34P <input checked="" type="checkbox"/> | 13820        |

**Note:** Kindly order NSX/CVS MCCB +GFP+. Shunt trip coil.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## NSX Micrologic 6E

### Protection

- Ics = 100% Icu as per IEC 60947-2
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- External Neutral CT required for highly un-balanced TP-N system (\* has to be ordered at extra price)
- Adjustable neutral protection - N, N/2, OFF and oversized neutral (standard feature) for 4 Pole MCCB.
- Adjustable overload from Ir 0.4 to 1 x In and tr = 0.5 to 16 s
- Adjustable short circuit from I<sub>sd</sub> 1.5 to 10 x Ir and tsd I<sub>2t</sub> ON/OFF 0.1 to 0.4s
- Adjustable earth fault 0.4 to 1 x In (for In=40A) & 0.2 to 1 x In (for In>40A) and tg I<sub>2t</sub> ON/OFF 0.1 to 0.4s
- Instantaneous protection Ii 1.5 x In to 15 x In (40 - 160A), 12 x In (250 to 400A) and 11 x In (630A)
- Zone Selective Interlocking (ZSI) as standard

### Measurement & Diagnostics

- Current, Voltage, Power factor and Frequency measurement
- Power Quality Indicator (THD for Current and Voltage)
- Active, Reactive and Apparent Power measurement and **Embedded Energy metering**
- Demand and maximum demand values
- Indications for fault types, Alarms and Histories with timestamping
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)
- Operation, trip and alarm counters; Operating Hours counter
- Contact wear: Load profile and thermal image

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 36kA                                     | 100A          | C10F36E100           |              | C10F46E100          |              |
|  | 160A          | C16F36E160           |              | C16F46E160          |              |
|  | 250A          | C25F36E250           |              | C25F46E250          |              |
|  | 400A          | C40F36E400           |              | C40F46E400          |              |
|  | 630A          | C63F36E630           |              | C63F46E630          |              |
| 50kA                                     | 100A          | C10N36E100           | On Request   | C10N46E100          | On Request   |
|  | 160A          | C16N36E160           |              | C16N46E160          |              |
|  | 250A          | C25N36E250           |              | C25N46E250          |              |
|  | 400A          | C40N36E400           |              | C40N46E400          |              |
|  | 630A          | C63N36E630           |              | C63N46E630          |              |
| 70kA                                     | 100A          | C10H36E100           |              | C10H46E100          |              |
|  | 160A          | C16H36E160           |              | C16H46E160          |              |
|  | 250A          | C25H36E250           |              | C25H46E250          |              |
|  | 400A          | C40H36E400           |              | C40H46E400          |              |
|  | 630A          | C63H36E630           |              | C63H46E630          |              |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



**NSX Magnetic Trip Unit MA type**

- Ics = 100% Icu as per IEC 60947-2
- Adjustable magnetic setting Im 6 to 14 x In (2.5 to 100A) & 9 to 14 x In (150 to 200A)
- Type - 2 Co-ordination charts upto 110 kW at 400V
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|
| 36kA                                     | 150A          | C16F3MA150           | 25170        |
|  | 220A          | C25F3MA220           | 41300        |
| 50kA                                     | 150A          | C16N3MA150           | 30740        |
|  | 220A          | C25N3MA220           | 45330        |
| 70kA                                     | 150A          | C16H3MA150           | 46110        |
|  | 220A          | C25H3MA220           | 71510        |



**MCCBs for DC Network Protection**

16A to 1200A in Two frames sizes with Thermal Magnetic Trip Unit (TMD)

- Up to 1200 A for ComPact NSX DC, protection is provided by thermal-magnetic trip units
- TM-D up to 160 A: fixed thermal threshold and magnetic pick-up
- TM-D up to 63 A: adjustable thermal threshold and fixed magnetic pick-up
- TM-DC from 80 to 250 A: fixed or adjustable (for 200 and 250 A) magnetic pick-up and adjustable thermal threshold
- TM-DC from 250 A to 1200 A adjustable magnetic pick-up and adjustable thermal threshold
- TM-G, up to 250 A: adjustable thermal threshold and fixed low magnetic pick-up to protect long cables

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 36kA                                     | 400A          | C40F3TM400D          | 49520        | C40F4TM400D         | 56220        |
|  | 500A          | C63F3TM500D          | 59400        | C63F4TM500D         | 72610        |
|  | 600A          | C63F3TM600D          | 62730        | C63F4TM600D         | 75940        |
| 100kA                                    | 400A          | C40S3TM400D          | 70710        | C40S4TM400D         | 86120        |
|  | 500A          | C63S3TM500D          | 77200        | C63S4TM500D         | 93120        |
|  | 600A          | C63S3TM600D          | 77200        | C63S4TM600D         | 93120        |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## NSX Micrologic 4 Vigi

- Standard protection for electrical distribution-overload, short circuit & neutral protection
- Earth leakage protection-Adjustable leakage threshold ( $I\Delta n$ ) and adjustable time delay threshold
  - Sensitivity  $I\Delta n$  (A)
    - Type A: 30mA - 100mA - 300mA - 500mA - 1A - 3A - 5A (for the ratings 40 to 250A)
    - Type B: 300mA - 500mA - 1A - 3A - 5A - 10A (for the ratings 400 to 570A)
- Alarming & Fault Indication

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| 25kA                                     | 40A           | C10B34V040           | On Request   | C10B44V040          | On Request   |
|  | 100A          | C10B34V100           |              | C10B44V100          |              |
|  | 160A          | C16B34V160           |              | C16B44V160          |              |
|  | 250A          | C25B34V250           |              | C25B44V250          |              |
| 36kA                                     | 40A           | C10F34V040           |              | C10F44V040          |              |
|  | 100A          | C10F34V100           |              | C10F44V100          |              |
|  | 160A          | C16F34V160           |              | C16F44V160          |              |
|  | 250A          | C25F34V250           |              | C25F44V250          |              |
|  | 400A          | C40F34V400           |              | C40F44V400          |              |
| 50kA                                     | 570A          | C63F34V570           |              | C63F44V570          |              |
|  | 40A           | C10N34V040           |              | C10N44V040          |              |
|  | 100A          | C10N34V100           |              | C10N44V100          |              |
|  | 160A          | C16N34V160           | C16N44V160   |                     |              |
|  | 250A          | C25N34V250           | C25N44V250   |                     |              |
| 70kA                                     | 400A          | C40N34V400           | C40N44V400   |                     |              |
|  | 570A          | C63N34V570           | C63N44V570   |                     |              |
|  | 40A           | C10H34V040           | C10H44V040   |                     |              |
|  | 100A          | C10H34V100           | C10H44V100   |                     |              |
|  | 160A          | C16H34V160           | C16H44V160   |                     |              |
|  | 250A          | C25H34V250           | C25H44V250   |                     |              |
|  | 400A          | C40H34V400           | C40H44V400   |                     |              |
|  | 570A          | C63H34V570           | C63H44V570   |                     |              |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023





Indication contacts



SDTAM remote indication relay module



SDx remote indication relay module



Voltage Release



Motor Mechanism

| Description  | Reference                                    | Unit MRP [₹] |
|--|--|--------------|
| <b>Auxiliary contacts (changeover) Multifunction</b>             |  |              |
| OF or SD or SDE or SDV   | 29450 <input checked="" type="checkbox"/>    | 1090         |
| OF or SD or SDE or SDV low level                                 | 29452  | 1270         |
| SDE adaptor for trip unit TM or MA or Micrologic 2 \$\$          | LV429451 <input checked="" type="checkbox"/> | 940          |
| <b>SDx 2-PROGRAMMABLE CONTACTS FOR MICROLOGIC</b>                |  |              |
| SDx module 24/415 V AC/DC  | LV429532                                     | 16230        |
| <b>SDTAM contactor tripping module for Micrologic 2- M/6 E-M</b> |  |              |
| SDTAM 24/415 V AC/DC overload fault indication                   | LV429424                                     | 16600        |

\$\$ To be considered along with SDE contact for MCCB with TMD/MA./Micrologic 2 protection.

## Voltage Releases

| Description        | Shunt Release Reference                      | Unit MRP [₹] | Undervoltage Reference                       | Unit MRP [₹] |
|--------------------|--|--------------|--|--------------|
| <b>AC</b>          |  |              |  |              |
| 24 V 50/60 Hz      | LV429384                                     | 3170         | LV429404                                     | 3920         |
| 48 V 50/60 Hz      | LV429385                                     |              | LV429405                                     |              |
| 110-130 V 50/60 Hz | LV429386 <input checked="" type="checkbox"/> |              | LV429406 <input checked="" type="checkbox"/> |              |
| 220-240 V 50/60 Hz | LV429387 <input checked="" type="checkbox"/> |              | LV429407 <input checked="" type="checkbox"/> |              |
| 380-415 V 50 Hz    | LV429388 <input checked="" type="checkbox"/> |              | LV429408 <input checked="" type="checkbox"/> |              |
| 525 V 50 Hz        | LV429389                                     |              | LV429409                                     | 5620         |
| <b>DC</b>          |  |              |  |              |
| 12 V               | LV429382                                     | 3170         | LV429402                                     | 3880         |
| 24 V               | LV429390 <input checked="" type="checkbox"/> |              | LV429410 <input checked="" type="checkbox"/> |              |
| 30 V               | LV429391                                     |              | LV429411                                     |              |
| 48 V               | LV429392                                     |              | LV429412                                     | 3880         |
| 60 V               | LV429383                                     | 4490         | LV429403                                     | 5620         |
| 125 V              | LV429393                                     | 3170         | LV429413                                     | 3880         |
| 250 V              | LV429394                                     |              | LV429414 <input checked="" type="checkbox"/> | 3850         |

## Installation Accessories

| Description                             | 100/160/250A Reference                       | Unit MRP [₹] | 400/630A Reference                           | Unit MRP [₹] |
|---|--|--------------|--|--------------|
| <b>Spreaders &amp; Phase Barrier</b>    |  |              |  |              |
| Spreaders (Set of 3) 3P                 | LV431563 <input checked="" type="checkbox"/> | 730          | 32492 <input checked="" type="checkbox"/>    | 1650         |
| Spreaders (Set of 4) 4P                 | LV431564 <input checked="" type="checkbox"/> | 970          | 32493 <input checked="" type="checkbox"/>    | 2100         |
| Phase Barrier (Set of 6)                | *  | -            | LV432570 <input checked="" type="checkbox"/> | 990          |
| <b>Interlocking</b>                     |  |              |  |              |
| For Breaker with Rotary Handle          | LV429369                                     | 11340        | LV432621                                     | 14280        |
| For Breaker with Toggle                 | LV429354                                     | 13650        | LV432614                                     | 14420        |
| Mechanical Interlocking with Base Plate | 29349**                                      | -            | 32609**                                      | -            |
| <b>Locking of Rotary Handle</b>         |  |              |  |              |
| Locking Device                          | LV429344 <input checked="" type="checkbox"/> | 730          | LV432604 <input checked="" type="checkbox"/> | 990          |
| Ronis Keylock (1 Lock + 1 Key set)      | 41940 <input checked="" type="checkbox"/>    | 5460         | 41940 <input checked="" type="checkbox"/>    | 5460         |
| Ronis Keylock (2 Locks + 1 Key set)     | 41950 <input checked="" type="checkbox"/>    | 9190         | 41950 <input checked="" type="checkbox"/>    | 9190         |
| Profalux Keylock (1 Lock + 1 Key set)   | 42888  | 8530         | 42888  | 8530         |
| Profalux Keylock (2 Locks + 1 Key set)  | 42878  | 10710        | 42878  | 10710        |

\* supplied as standard with spreader

\*\* Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



FDM121: Front Display Module



Test Battery



Power Supply Module B



SCM: Breaker Status and Control Module

**Motor Mechanism**

| Type   | Voltage   | 100/160A Reference                           | Unit MRP [₹] | 250A Reference                               | Unit MRP [₹] | 400/630A Reference                           | Unit MRP [₹] |
|--|-----------|--|--------------|--|--------------|--|--------------|
| <b>Motor Mechanism Modules with SDE Adaptor <sup>(1)</sup></b> |           |  |              |  |              |  |              |
| AC<br>50/60 Hz   | 48-60 V   | LV429440                                     | 36970        | LV431548                                     | 40860        | LV432639                                     | 47510        |
|  | 110-130 V | LV429433                                     | 29580        | LV431540                                     | 33320        | LV432640                                     |              |
|  | 220-240 V | LV429434 <input checked="" type="checkbox"/> |              | LV431541 <input checked="" type="checkbox"/> | 32690        | LV432641 <input checked="" type="checkbox"/> |              |
|  | 380-415 V | LV429435                                     |              | LV431542                                     |              | LV432642                                     |              |
|  | 440-480 V | LV429435                                     |              | LV431542                                     |              | LV432647                                     |              |
| 24-30 V  | LV429436  | 40510  |              | LV431543                                     | 43930        | LV432643                                     | 58050        |
| 48-60 V  | LV429437  |  | LV431544     | LV432644                                     |              |  |              |
| 110-130 V  | LV429438  |  | LV431545     | LV432645                                     |              |  |              |
| 250 V  | LV429439  |  | LV431546     | LV432646                                     |              |  |              |

(1) With every Motor Mechanism, please order 1 no. auxiliary contact additionally. For other voltages of motor mechanism please consult Customer Care.

| Description                               | 100/160/250A Reference | Unit MRP [₹] | 400/630A Reference                        | Unit MRP [₹] |
|---|------------------------|--------------|---|--------------|
| <b>Locking of Motor Mechanism</b>         |                        |              |   |              |
| Keylock adaptor + Ronis keylock (special) | LV429449               | 4090         | -   | -            |
| Locking Device                            | -                      | -            | LV432649                                  | 1450         |
| Ronis Keylock                             | -                      | -            | 41940 <input checked="" type="checkbox"/> | 5460         |
| Profalux Keylock                          | -                      | -            | 42888                                     | 8530         |
| Torque Limiting Screws (Set of 12)        | LV429513               | 3370         | LV432513                                  | 3670         |

**Monitoring and Control, test tools- ComPact and NSX100 - 630**  
Monitoring and Control (Remote Operation)

| Description  | Reference                                    | Unit MRP [₹] |
|--|--|--------------|
| <b>ULP Display Module</b>                              |  |              |
| Switchboard front display module FDM121                | TRV00121 <input checked="" type="checkbox"/> | 16760        |
| <b>ULP Wiring Accessories</b>                          |  |              |
| NSX cord L = 0.35 m                                    | LV434200                                     | 3880         |
| NSX cord L = 1.3 m                                     | LV434201                                     | 3950         |
| 5 RJ45/RJ45 MALE Cord L = 1m                           | TRV00810                                     | 3670         |
| 10 Stacking connectors for COM interface               | TRV00217                                     | 5710         |
| <b>ULP Communication Module</b>                        |  |              |
| IFM MODBUS Interface Module                            | LV434000                                     | 13500        |
| BSCM ( Breaker Status and Control Module)              | LV434205 <input checked="" type="checkbox"/> | 12420        |
| <b>Power Supply Modules</b>                            |  |              |
| <b>External power supply module 24 V DC-1 A OVC IV</b> |  |              |
| 200-240 V AC   | LV454444 <input checked="" type="checkbox"/> | 19820        |
| Pocket battery for Micrologic NSX100-630               | LV434206                                     | 24370        |

Maintenance Module for advanced configuration and testing, contact our nearest Sales office.  
ULP = Universal Logic Plug

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



Direct Rotary Handle



Extended Rotary Handle



Plug in Base



Draw-Out Chassis Kit

| Description   | 100/160/250A<br>Reference                    | Unit MRP<br>[₹] | 400/630A<br>Reference                        | Unit MRP<br>[₹] |
|---|--|-----------------|--|-----------------|
| <b>Rotary Handles</b>                               |  |                 |  |                 |
| Standard direct black handle                        | LV429337 <input checked="" type="checkbox"/> | 1530            | LV432597 <input checked="" type="checkbox"/> | 2300            |
| Standard extended rotary handle                     | LV429338 <input checked="" type="checkbox"/> | 2100            | LV432598 <input checked="" type="checkbox"/> | 3730            |
| <b>Plug in Base (Complete Kit)</b>                  |  |                 |  |                 |
| 3 Pole  | LV429289 <input checked="" type="checkbox"/> | 12080           | LV432538 <input checked="" type="checkbox"/> | 27720           |
| 4 Pole  | LV429290 <input checked="" type="checkbox"/> | 15640           | LV432539 <input checked="" type="checkbox"/> | 34550           |
| <b>Draw-Out Chassis Kit</b>                         |  |                 |  |                 |
| 3 Pole  |  |                 |  |                 |
| Plug In base  | LV429289 <input checked="" type="checkbox"/> | 12080           | LV432538 <input checked="" type="checkbox"/> | 27720           |
| Chassis Side Plate for base                         | LV429282 <input checked="" type="checkbox"/> | 15950           | LV432532 <input checked="" type="checkbox"/> | 20200           |
| Chassis Side Plate for breaker                      | LV429283 <input checked="" type="checkbox"/> | 8460            | LV432533 <input checked="" type="checkbox"/> | 11780           |
| 4 Pole  |  |                 |  |                 |
| Plug In base  | LV429290 <input checked="" type="checkbox"/> | 15640           | LV432539 <input checked="" type="checkbox"/> | 34550           |
| Chassis Side Plate for base                         | LV429282 <input checked="" type="checkbox"/> | 15950           | LV432532 <input checked="" type="checkbox"/> | 20200           |
| Chassis Side Plate for breaker                      | LV429283 <input checked="" type="checkbox"/> | 8460            | LV432533 <input checked="" type="checkbox"/> | 11780           |
| <b>Plug In / Withdrawable version Accessories</b>   |  |                 |  |                 |
| <b>Automatic Auxilliary Connectors</b>              |  |                 |  |                 |
| 1 9-wire fixed connector (for base)                 | LV429273                                     | 1680            | LV429273                                     | 1680            |
| 1 9-wire moving connector (for circuit breaker)     | LV429274                                     | 1180            | LV432523 <input checked="" type="checkbox"/> | 1260            |
| 1 support for 2 moving connectors                   | LV429275                                     | 900             | LV432525 <input checked="" type="checkbox"/> | 900             |
| <b>Manual Auxilliary Connectors</b>                 |  |                 |  |                 |
| 9-wire manual auxilliary connector (fixed + moving) | LV429272                                     | 5800            | LV429272                                     | 5800            |

**Note:** Above auxiliary connectors to be used with Plug-in and Withdrawable MCCB when Auxiliary Contact, Shunt, UnderVoltage or Motor Mechanism is used.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Unique Modular Ground Fault Protection



## Earth Fault Protection for EasyPact CVS/ ComPact NSX MCCBs Modular Device for EasyPact CVS/ ComPact NSX Range Moulded Case Circuit Breakers

- Adjustable earth fault sensitivity selection 10 to 60%
- Adjustable time delay Inst/ 0.5 - 3 sec.
- System healthiness check through LED indication
- Individual fault indication for OL/SC, EF when used with ComPact NSX & EasyPact CVS (Optional)
- Test facility to check healthiness of earth fault protection system without tripping MCCB
- Suitable for 3P3W & 3P4W electrical distribution network

| MCCB Frame        | Relay Module rated current | 3 Ph + 3W Reference                            | Unit MRP [₹] | 3 Ph + 4W Reference                            | Unit MRP [₹] |
|-------------------|----------------------------|--|--------------|--|--------------|
| CVS/NSX100        | 32, 40, 50, 63, 80, 100    | GFP11CT13P <input checked="" type="checkbox"/> | 7370         | GFP11CT14P <input checked="" type="checkbox"/> | 8070         |
| CVS/NSX 160 / 250 | 125, 160, 200, 250         | GFP12CT23P <input checked="" type="checkbox"/> | 8370         | GFP12CT24P <input checked="" type="checkbox"/> | 9460         |
| CVS/NSX 400 / 630 | 400, 630                   | GFP13CT33P <input checked="" type="checkbox"/> | 12670        | GFP13CT34P <input checked="" type="checkbox"/> | 13820        |

**Note:** Kindly order one no. Shunt trip coil along with one Ground Fault Protection Module for CVS100 to 630.

## Earth Leakage Protection

### ComPact NSX VigiPacT Add-on Module



- Compliance with Standards - IEC60947-2 annex B, IEC 60755, Type A, immunity to DC components up to 6 mA
- Sensitivity In (A)-0.03, 0.1, 0.3, 0.5, 1, 3
- Time delay (ms)-0, 60, 150, 300, 500, 800, 1.2s, 4s
- VigiPacT add-on may be equipped with an auxiliary contact (SDV) to remotely signal tripping due to an earth fault
- Self powered - "no external supply required"

| MCCB Frame    | Three Pole <sup>(1)</sup> Reference          | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---------------|--|--------------|---------------------|--------------|
| NSX - 100/160 | LV429488 <input checked="" type="checkbox"/> | 25440        | LV429489            | 28110        |
| NSX - 250     | LV429492                                     | 28050        | LV429493            | 28680        |
| NSX - 400/630 | LV432464                                     | 69460        | LV432465            | 72340        |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



New PacT Series

# ComPacT NS

Molded Case Circuit Breakers  
and Switch-Disconnectors  
from 630b to 3200 A



# ComPact NS

## Deliver the best solution for your customers



- Enhance power availability with total control of selectivity and power management with advanced trip unit.
- Optimize panel cost with cascading; the Compact NS technology covers all your needs from 630 to 3200 A, with a breaking capacity from 50 to 200 kA.
- Equipped with electronic control units, the Compact NS circuit breakers ensure protection and measurement of your electrical installation.
- Provide efficiency to your customer with small size and multi-ways of installation and highly immune protection system insensitive to disturbances (IEC 60947-2 Annex F).

### Standards

Compact NS circuit breakers and auxiliaries comply with:

- IEC/EN 60947-1: General rules
- IEC/EN 60947-2: Circuit-breakers
- IEC/EN 60947-3: Switch-disconnectors
- IEC/EN 60947-4-1: Contactors and motor-starters
- IEC/EN 60947-5-1: Control circuit devices

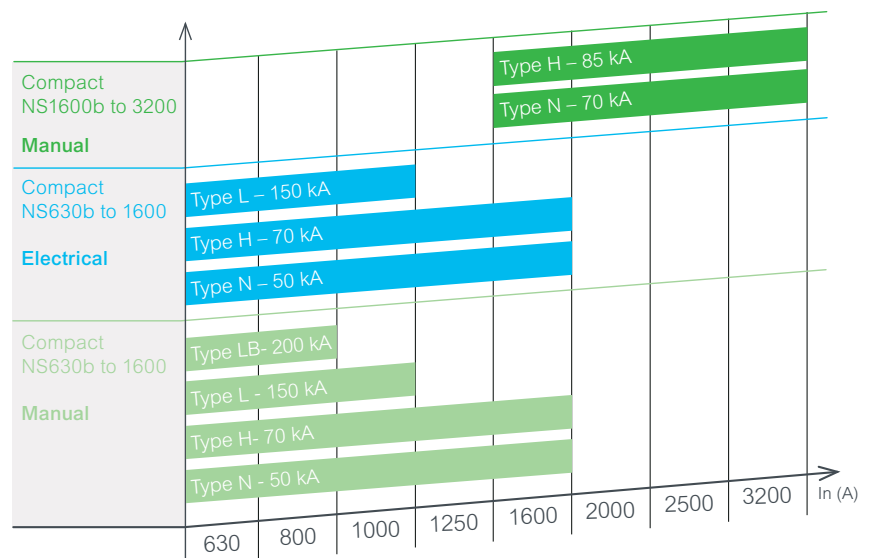
## The Compact NS range covers all ratings from 630 to 3200 A

### Compact NS630b to 1600

- Compact NS from 630 to 1600 A, fixed or withdrawable, front or rear connection, manual operating mechanism or motor mechanism. A 200 kA breaking performance completes the Compact NS range

### Compact NS1600b to 3200

- Compact NS from 1600 to 3200 A, fixed, front connection, with manual operating mechanism



# ComPact NS

## Contribute to a Better World. Enhance Sustainability with ComPacT Range

### Achieve Green Building Certification with Green Premium Ecolabel

In compliance with ISO 14025 PEP ecopassport program, we publish a comprehensive Life Cycle Analysis of our product, providing the environmental data you need to achieve Green Building certifications.

For example, ComPacT NS contribute to 3 LEED™ points in the Building Product Disclosure and Optimization section:

- Environmental Product Declaration
- Material Ingredients



ComPacT range is now enriched with the new ComPacT NS, designed according to the EcoDesign Way™ by Schneider. It now features new space saving frame size for reduced resource consumption, and more.



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## Micrologic Control Units - Salient Features

### Circuit breakers and switch-disconnectors from 800 to 3200A

- Category B MCCBs
- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for improved energy efficiency
- Total Discrimination
- With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature
- Available in both fixed & drawout versions, manually & electrically operated



Micrologic

#### With Micrologic 2.0

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (I<sub>r</sub>) 0.4 to 1 x I<sub>n</sub>
- Adjustable short circuit (Instantaneous) 1.5 to 10 x I<sub>r</sub>



Micrologic A

#### Micrologic 6.0.A Manual & Electrical Fixed

- Features over and above Micrologic 2.0
- Earth fault protection 0.3 to 1 x I<sub>n</sub> (for I<sub>n</sub> < 400A) & 0.2 to 1 x I<sub>n</sub> (for 400A < I<sub>n</sub> > 1250A), 500A to 20A x I<sub>n</sub> (for I<sub>n</sub> >= 1250A), time setting I<sub>2t</sub> ON/OFF 0.1 - 0.4s and time delay
- With ammeter display & bargraph (unique feature of Schneider MCCB)
- Internal fault (A<sub>p</sub>), Individual fault indication by LED
- Zone Selective Interlocking
- Optional Communication



Micrologic E

#### Micrologic 6.0E (Embedded Energy Metering)

- Features over and above Micrologic 6.0 A
- Current measurement: Ammeter, current demand,
- Voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (E<sub>p</sub>, E<sub>q</sub>, E<sub>s</sub>)



Micrologic P

#### Micrologic 6.0P

- Micrologic P control units include all the functions offered by Micrologic E
- Measure voltages and calculate power and energy values
- New protection functions based on currents, voltages, frequency
- Power reinforce load protection in real time.



# EasyPact EZC

Safe, Reliable and Easy



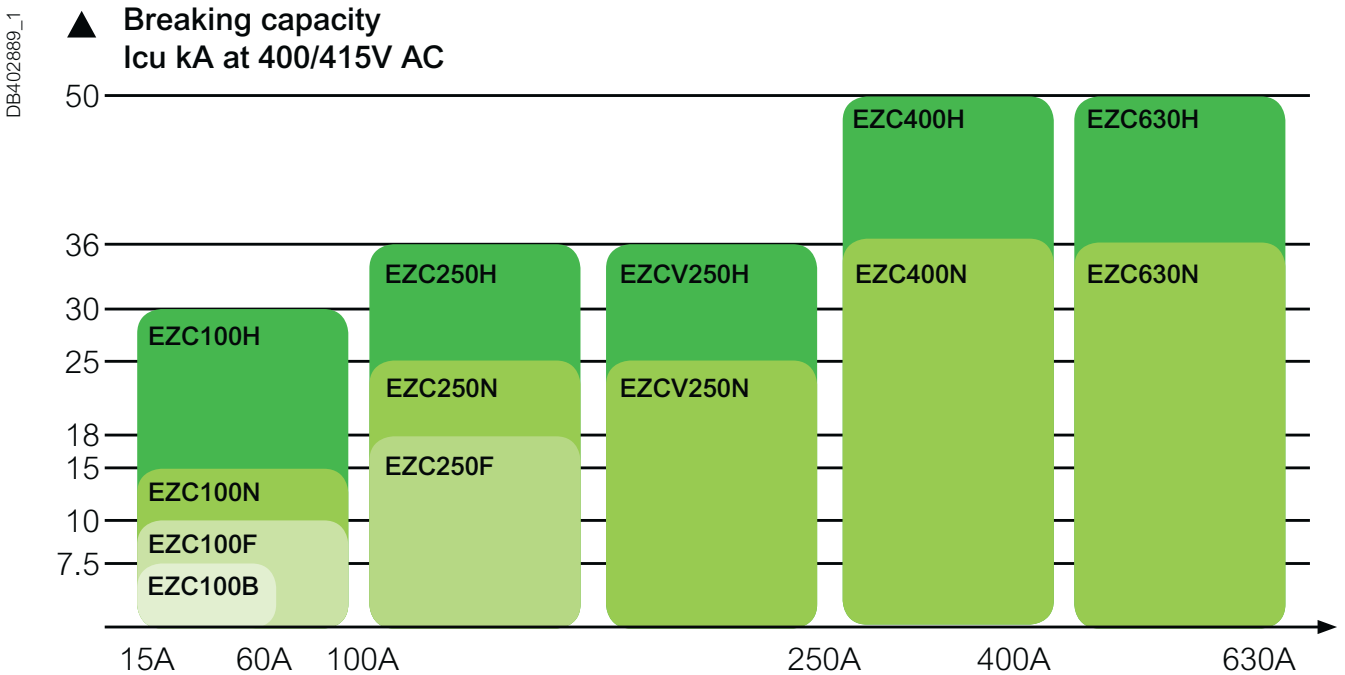
With just three sizes of circuit breakers, Schneider Electric's **EasyPact EZC** system is the simple, universal solution, particularly

adapted to Buildings and OEM segments

- Suitability for Isolation ensures safety
- Compliance to RoHS (Restriction of Hazardous Substances) for environment safety

**Range Details:**

- Global MCCB offer from 15A to 600A
- Breaking capacity upto 50kA @ 415 V AC
- 1P, 2P, 3P and 4P versions available
- EZC AC version is suitable for DC applications upto 250V DC (15A to 250A breaking capacity up to 30kA)



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



| Breaking Capacity Icu as per IEC 60947-2              | Rated Current   | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---|---|----------------------|--------------|---------------------|--------------|
| "30 kA @ 415V AC<br>10kA @ 250V DC (2pole in series)" | 15A   | EZC100H3015          | 6520         | -                   | 9040         |
|   | 20A   | EZC100H3020          |              | EZC100H4020         |              |
|   | 25A   | EZC100H3025          |              | EZC100H4025         |              |
|   | 32A   | EZC100H3032          |              | EZC100H4032         |              |
|   | 40A   | EZC100H3040          |              | EZC100H4040         |              |
|   | 50A   | EZC100H3050          |              | EZC100H4050         |              |
|   | 63A   | EZC100H3063          |              | EZC100H4063         |              |
|   | 80A   | EZC100H3080          |              | EZC100H4080         |              |
|   | 100A  | EZC100H3100          |              | EZC100H4100         |              |
|   | "25 kA @ 415V AC<br>20kA @ 250V DC (2pole in series)" | 125A                 |              | EZC250N3125         |              |
| 160A  |   | EZC250N3160          | 11530        | EZC250N4160         | 15440        |
| 200A  |   | EZC250N3200          | 13690        | EZC250N4200         | 17260        |
| Breaking Capacity Icu as per IEC 60947-2              | Rated Current   | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| "25 kA @ 415V AC<br>20kA @ 250V DC (2pole in series)" | 250A  | EZC250N3250          | 15640        | EZC250N4250         | 20230        |
| Breaking Capacity Icu as per IEC 60947-2              | Rated Current   | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| "36 kA @ 415V AC<br>30kA @ 250V DC (2pole in series)" | 125A  | EZC250H3125          | 9700         | EZC250H4125         | 13070        |
|   | 160A  | EZC250H3160          | 12700        | EZC250H4160         | 15980        |
|   | 200A  | EZC250H3200          | 15770        | EZC250H4200         | 21310        |
| Breaking Capacity Icu as per IEC 60947-2              | Rated Current   | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| "36 kA @ 415V AC<br>30kA @ 250V DC (2pole in series)" | 250A  | EZC250H3250          | 17640        | EZC250H4250         | 23820        |
|   | 320A  | EZC400H3320N         | 26630        | EZC400H4320N        | 30720        |
|   | 400A  | EZC400H3400N         | 27480        | EZC400H4400N        | 36780        |
|   | 500A  | EZC630H3500N         | 36460        | EZC630H4500N        | 47380        |
|   | 600A  | EZC630H3600N         | 37990        | EZC630H4600N        | 49520        |
| "50 kA @ 415V AC"                                     |   |                      |              |                     |              |
|   |   |                      |              |                     |              |
|   |   |                      |              |                     |              |
|   |   |                      |              |                     |              |
|   |   |                      |              |                     |              |

**Note:**

- Contact customer care for 1P(up to 100A) and 2P (up to 250A) requirements

| Description  | EZC100 Reference                                | Unit MRP [₹] | EZC250 Reference                                | Unit MRP [₹] |
|--|---|--------------|---|--------------|
| <b>Auxiliary Contacts (changeover) Multifunction</b> |   |              |   |              |
| Auxiliary Switch 1 C/O                               | EZAUX10 <input checked="" type="checkbox"/>     | 1150         | EZEAX <input checked="" type="checkbox"/>       | 1400         |
| Alarm Switch 1 C/O                                   | EZAUX01   |              | EZEAL <input checked="" type="checkbox"/>       |              |
| Alarm - Auxiliary Switch                             | EZAUX11 <input checked="" type="checkbox"/>     | 1710         | EZEAXAL   | 2030         |
| <b>Spreaders</b>                                     |   |              |   |              |
| Spreaders *(Set Of 3) 3P                             | EZASPDR3P <input checked="" type="checkbox"/>   | 460          | EZESPDR3P <input checked="" type="checkbox"/>   | 700          |
| Spreaders *(Set Of 4) 4P                             | EZASPDR4P <input checked="" type="checkbox"/>   | 970          | EZESPDR4P                                       | 890          |
| <b>Phase Barriers</b>                                |   |              |   |              |
|  | EZAFASB2  | 290          | EZEFASB2  | 410          |
| <b>Rotary Handle</b>                                 |   |              |   |              |
| Direct Rotary handle                                 | EZAROTDS <input checked="" type="checkbox"/>    | 1630         | EZEROTDS  | 2030         |
| Extended Rotary handle                               | EZAROTE   | 2400         | EZEROTE   | 2400         |
| <b>Shunt Release</b>                                 |   |              |   |              |
| <b>AC</b>  |   |              |   |              |
| 100-130 V  | EZASHT100AC                                     | 2470         | EZESHT100AC                                     | 2450         |
| 200-277 V  | EZASHT200AC <input checked="" type="checkbox"/> |              | EZESHT200AC <input checked="" type="checkbox"/> |              |
| 380-480 V  | EZASHT380AC                                     | 2810         | -   | 2470         |
| <b>DC</b>  |   |              |   |              |
| 24 V   | EZASHT024DC                                     | 2710         | EZESHT024DC                                     | 2800         |

| Description                      | EZC 400/600 Reference | Unit MRP [₹] |
|----------------------------------|-----------------------|--------------|
| <b>Auxiliary Contacts</b>        |                       |              |
| OF or SD or SDE                  | 29450                 | 1090         |
| <b>Spreaders</b>                 |                       |              |
| Spreaders (Set of 3) 3P          | 32492                 | 1650         |
| Spreaders (Set of 4) 4P          | 32493                 | 2100         |
| <b>Phase Barriers (Set of 6)</b> |                       |              |
|                                  | LV432570              | 990          |
| <b>Rotary Handle</b>             |                       |              |
| Direct Rotary handle             | LV432597              | 2300         |
| Extended Rotary handle           | LV432598              | 3730         |
| <b>Shunt Release</b>             |                       |              |
| AC 220-240 V 50/60 Hz            | LV429387              | 3170         |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Earth Leakage Protection is obtained by:

- Installing a Micrologic 7.0.A control unit (ComPact NS800 - 3200A/ MasterPact NT/NW ACB)
- Using Vigirex Relays and separate Toroids or Rectangular Sensors

**Vigirex Relays**



Vigirex Relays along with Vigirex Sensors, may be used to add external Earth Leakage Protection to Circuit Breakers

- Sensitivity Adjustments from 30mA to 30A and time delay settings from (0-4.5 seconds)
- Closed Toroid up to 630A (30 to 300mm in diameter), Split Toroid up to 250A (46 to 110mm in diameter) or
- Rectangular sensor up to 3200A
- 400Hz Distribution System

**Note:** For further details, please contact our nearest Sales Office.

| Type  | Control Voltage | Din rail mount Reference | Unit MRP [₹] | Front panel mount Reference | Unit MRP [₹] |
|---|-----------------|--------------------------|--------------|-----------------------------|--------------|
| RH10 with local manual fault reset                | 220/240VAC      | 56130                    | 15980        | 56230                       | 17550        |
| Sensitivity=0.03A                                 | 380/415VAC      | 56140                    |              | 56240                       | 24820        |
| RH99 with local manual fault reset                | 220/240VAC      | 56173                    | 24140        | 56273                       | 26130        |
| Sensitivity = 0.03- 30A & time delay= 0-4.5s      | 380/415VAC      | 56174                    | 26620        | 56274                       | 27440        |
| RH197P with local manual or automatic fault reset | 220/240VAC      |                          | -            | 56507*                      | 29540        |
| Sensitivity = 0.03- 30A & time delay= 0-4.5s      | 380/415VAC      |                          | -            | 56508*                      | 67680        |
| RH197P with local manual or automatic fault reset | 220/240VAC      |                          | -            | 56512**                     | 65110        |
| Sensitivity = 0.03- 30A & time delay= 0-4.5s      | 380/415VAC      |                          | -            | 56513**                     | 31320        |

\* alarm at 50% of fault threshold

\*\* alarm at 100% of fault threshold

**Vigirex Sensors**



| Type  | Ie(A) Rated Operational Current | Inside Diameter (mm) | Reference | Unit MRP [₹] |
|-------|---------------------------------|----------------------|-----------|--------------|
| TA30  | 65                              | 30                   | 50437     | 10190        |
| PA50  | 85                              | 50                   | 50438     | 14200        |
| IA80  | 160                             | 80                   | 50439     | 16900        |
| MA120 | 250                             | 120                  | 50440     | 20330        |
| SA200 | 400                             | 200                  | 50441     | 31580        |
| GA300 | 630                             | 300                  | 50442     | 65810        |

**Note:** For vigirex relay with monitoring and communication facility, contact nearest sales office.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.



For Low Voltage Circuit Control and Isolation - Incomers for Distribution Boards

- Conforms to IEC 60947-3/IS 13947 - 3
- Rated operational voltages 500V/690V
- Range 40A to 2500A
- Rated operational current @ AC 23A
- No deration upto 60° C
- Positive contact indication
- Common accessories with ComPact NSX/single auxillary contact
- Making capacity enhanced with ComPact NSX upstream

| Pole Description                               | Rated Operational Current | Reference | Unit MRP<br>₹ |
|--|---------------------------|-----------|---------------|
| <b>Interpact Range of Switch Disconnectors</b> |                           |           |               |
| 3-Pole   | 40 A AC-23A               | 28900     | 6680          |
|  | 63 A AC-23A               | 28902     | 8070          |
|  | 100 A AC-23A              | 28908     | 9520          |
|  | 125 A AC-23A              | 28910     | 10380         |
|  | 160 A AC-23A              | 28912     | 11550         |
|  | 200 A AC-23A              | 31102     | 20090         |
|  | 250 A AC-23A              | 31106     | 21210         |
|  | 320 A AC-23A              | 31108     | 34550         |
|  | 400 A AC-23A              | 31110     | 38920         |
| 630 A AC-23A                                   | 31114                     | 40050     |               |
| 4-Pole   | 40 A AC-23A               | 28901     | 7460          |
|  | 63 A AC-23A               | 28903     | 8830          |
|  | 100 A AC-23A              | 28909     | 10380         |
|  | 125 A AC-23A              | 28911     | 11570         |
|  | 160 A AC-23A              | 28913     | 12770         |
|  | 200 A AC-23A              | 31103     | 22430         |
|  | 250 A AC-23A              | 31107     | 23550         |
|  | 320 A AC-23A              | 31109     | 40020         |
|  | 400 A AC-23A              | 31111     | 41330         |
| 630 A AC-23A                                   | 31115                     | 46320     |               |

| <b>Interpact Changeover Systems (Complete Assembly)</b> |              |        |        |
|---|--------------|--------|--------|
| 3-Pole  | 100 A AC-23A | 31140  | 64020  |
|   | 160 A AC-23A | 31144  | 69680  |
|   | 200 A AC-23A | 31142  | 76630  |
|   | 250 A AC-23A | 31146  | 78760  |
|   | 320 A AC-23A | 31148  | 130240 |
|   | 400 A AC-23A | 31150  | 139050 |
|   | 630 A AC-23A | 31154  | 141460 |
| 4-Pole  | 100 A AC-23A | 31141  | 73020  |
|   | 160 A AC-23A | 31145  | 79850  |
|   | 200 A AC-23A | 31143  | 90430  |
|   | 250 A AC-23A | 31147  | 93570  |
|   | 320 A AC-23A | 31149  | 142050 |
|   | 400 A AC-23A | 31151  | 146660 |
| 630 A AC-23A  | 31155        | 167900 |        |

| Description   | Reference | Unit MRP<br>₹ |
|---|-----------|---------------|
| <b>Accessories</b>  |           |               |
| Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)      | LV431050  | 5940          |
| Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector) | 31052     | 8390          |
| Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector)  | LV428941  | 3020          |
| 6 phase separators - INS100..160  | 28959     | 1330          |
| 6 phase separators - INS250   | 29329     | 1450          |
| 6 phase separators - INS400..630  | LV432570  | 990           |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Fuse solutions from the world leader in electrical distribution

- The most complete fuse device offer in single and double break - switch disconnecter fuses, fuse switch disconnectors and disconnecter fuses
- Double break and Single break offer.
- Short-circuit and overload protection
- Isolation
- On-load switching of circuits

### Range Details: NX range Switch Disconnecter Fuse

- 32A to 630A TP, TPN & FP version suitable for DIN/BS fuses.
- 4 break and 8 arcing zones
- IP20 Fuse protection cover is standard.

### Range Details: ISFT range Fuse Switch Disconnecter

- 100A to 630A TP, version suitable for DIN fuses.
- Single breaking and direct connection to busbars
- isolation with positive contact indication when the fuse-carrier assembly is in the open position (OFF).

### Range Details: ISFL range Vertical Fuse Switch Disconnecter

- 160A to 1250A TP, version suitable for DIN fuses.
- Single breaking and direct connection to busbars
- Two versions i.e Single pole or Three pole operation

- Complete Range from 32 to 630A in TP, TP+N & FP version suitable for DIN/BS fuses.
- 4 breaks and 8 arcing points
- IP20 Fuse Protection Cover is standard
- Higher Mechanical and Electrical life.

### Without Enclosure

| Rated Operational Current | Poles Description | DIN Type Reference                             | Unit MRP [₹] |
|---------------------------|-------------------|--|--------------|
| 32 A                      | 3P + N            | NX032TPNDI <input checked="" type="checkbox"/> | 3450         |
| 63 A                      | 3P + N            | NX063TPNDI <input checked="" type="checkbox"/> | 4580         |
| 80 A                      | 3P + N            | NX080TPNDI                                     | 8640         |
| 100 A                     | 3P                | NX100TPXDI                                     | 9620         |
|                           | 3P + N            | NX100TPNDI <input checked="" type="checkbox"/> | 9900         |
| 125 A                     | 3P                | NX125TPXDI <input checked="" type="checkbox"/> | 11230        |
|                           | 3P + N            | NX125TPNDI <input checked="" type="checkbox"/> | 12150        |
| 160 A                     | 3P + N            | NX160TPNDI <input checked="" type="checkbox"/> | 13250        |
| 200A                      | 3P + N            | NX200TPNDI <input checked="" type="checkbox"/> | 17010        |
| 250 A                     | 3P                | NX250TPXDI                                     | 20050        |
|                           | 3P + N            | NX250TPNDI <input checked="" type="checkbox"/> | 20460        |
|                           | 4P                | NX250FPXDI                                     | 24510        |
| 315 A                     | 3P + N            | NX315TPNDI <input checked="" type="checkbox"/> | 25330        |
| 400 A                     | 3P + N            | NX400TPNDI <input checked="" type="checkbox"/> | 34660        |
| 630 A                     | 3P                | NX630TPXDI                                     | 49740        |
|                           | 3P + N            | NX630TPNDI <input checked="" type="checkbox"/> | 50420        |

### Accessories/Spares

| Description                                    | Reference                                  | Unit MRP [₹] |
|--|--|--------------|
| <b>NX032/NX063/NX080</b>                       |  |              |
| Auxiliary contact for FuPact                   | NXAA11 <input checked="" type="checkbox"/> | 920          |
| Handle operating mechanism (HOM) NX032...NX080 | NXR1                                       | 670          |
| <b>NX100/NX125/NX160</b>                       |  |              |
| Auxiliary contact for FuPact                   | NXBA11 <input checked="" type="checkbox"/> | 860          |
| Fuse holder DIN for BS type NX100...NX160      | NXHB21                                     | 330          |
| Handle operating mechanism NX100...NX160       | NXR2 <input checked="" type="checkbox"/>   | 1260         |
| <b>NX200</b>                                   |  |              |
| Auxiliary contact for FuPact                   | NXBA11 <input checked="" type="checkbox"/> | 860          |
| Fuse holder for BS type NX200                  | NXHB22                                     | 340          |
| Fuse holder for DIN NX200                      | NXHD22                                     | 390          |
| Handle operating mechanism NX200               | NXR2 <input checked="" type="checkbox"/>   | 1260         |
| <b>NX250/315/400</b>                           |  |              |
| Auxiliary contact for FuPact                   | NXBA11 <input checked="" type="checkbox"/> | 860          |
| Handle operating mechanism for NX250...NX400   | NXR3                                       | 1300         |
| <b>NX630</b>                                   |  |              |
| Auxiliary contact for FuPact                   | NXBA11 <input checked="" type="checkbox"/> | 860          |

**Note:** For other versions please contact our nearest Sales Office.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



Future of Power Distribution

# MasterPact MTZ

LV Circuit Breakers & Switch Disconnectors  
from 630A to 6300A



# NOW, YOU'RE READY...

Built on the legendary performance and reliability of the MasterPact range.

MasterPact MTZ circuit breakers prepare you for the future of power distribution with smart connectivity, remote monitoring, and easy customization via digital modules.

- Intuitive EcoStruxure Power Device App smartphone app for easy operation and maintenance
- Precise Class 1 power meter built in for energy-saving capabilities
- Easy customization with digital modules
- Intuitive MicroLogic™ X control unit
- Easy installation using established architectures
- Seamless integration with building and energy management systems with EcoStruxure architectures
- Designed and tested to applicable standards for ANSI, UL, and IEC
- Low migration cost from MasterPact NT/NW to MasterPact MTZ



---

With MasterPact MTZ breakers, enhanced performance and connectivity equip you for the future of power distribution.

- Available from 630A to 6300A
  - Breaking capacity upto 150kA
  - Fixed & Draw-Out version
- 



# MasterPact MTZ

## A new digital user experience

With the MasterPact MTZ circuit breaker, every stage of the project - from designing and configuring to operating and maintaining - is streamlined using its digital capabilities.

### DESIGN



**EcoStruxure Power Design software**  
Single-line diagram design software that calculates and sizes your electrical installation.

**EcoStruxure Power Build software**  
Quick configuration and quotation tool for switchboards.

### CONFIGURE AND ORDER



**Product Selector**  
Configure MasterPact MTZ to save time and ensure accuracy.

**MySE**  
Order your MasterPact MTZ online

### BUILD AND COMMISSION



**EcoStruxure Power Commission software**  
Commission and upgrade easily with protection setting and factory-acceptance test.

### OPERATE AND MAINTAIN



**EcoStruxure Power monitoring software**  
Power Monitoring Expert  
Power SCADA Operation  
Building Operation  
Facility Advisor

**Monitor with EcoStruxure Power software**  
Obtain data visualization and reporting for increased efficiency.

### Remote, continuous notifications

**The Facility Expert maintenance logbook app.**  
Track facility data and receive alerts in case of power events and scheduled maintenance.



### Operate with MicroLogic X control unit

Locally in the facility room  
**Status "at a glance"**



**GoDigital store**  
Purchase additional digital modules for even more visibility and efficiency over the MasterPact MTZ circuit breaker life cycle.

### CUSTOMIZE OR UPGRADE



### Operate with your smartphone

Locally in the facility room  
Ecostruxure Power Device App



## Overview of MicroLogic X Trip Unit

### Measurement

Energy management is the challenge of present & future generations. To meet this requirement MicroLogic X incorporates all the measuring functions of a power meter including **Energy Class 1 accuracy** third-party certified.

### Maintenance & Diagnostics

Optimal continuity of services as well as extended life of equipment is one of customers main concerns. For that purpose **MicroLogic X integrates new extended diagnosis** and assistance to maintenance.

### Protection

Improvement of the reliability of MicroLogic X, dual settings and additional facilities **increase the performance and the flexibility** of low voltage systems of protection.



## 14 Optional 24/7 downloadable digital modules dedicated to upgrading MicroLogic X

- Undervoltage and overvoltage
- Underfrequency and overfrequency
- Reverse active power
- IDMTL overcurrent protection
- Directional overcurrent
- Ground-fault alarm
- Energy Reduction Maintenance Settings
- Energy per phase
- Individual harmonics analysis
- Power restoration assistant
- MasterPact operation assistant
- Waveform capture on trip event
- IEC 61850 for MasterPact MTZ
- Modbus legacy dataset

## Communication

- It is now common practice to make available most of the information processed by a Protection Control Unit, locally for network operation and maintenance, as well as remotely for higher functions of control, monitoring, energy efficiency and assets management.
- To comply with this requirement, MicroLogic X control units **incorporate several channels of communication, including Ethernet, Modbus SL and wireless communication facilities**

The Benchmark for Power Circuit Breakers around the world

# MasterPact NT/NW

LV power circuit breakers 630 to 6300 A



Network Protection



Supervision



ComPact

# MasterPact NT and NW

## The Benchmark For Power Circuit Breakers Around The World



Ethernet ready MasterPact NT and NW breakers, setting the standard for performance, safety, connectivity and built-in metering; all in optimized frame sizes

- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for improved energy efficiency
- MasterPact is suitable for heavy duty applications



**Building    Energy    Industry    Datacenter**  
**& Infrastructure**

- MasterPact is an answer to specific applications:
  - 1000V for mining applications
  - Direct current networks
  - Corrosion protection
  - Switch disconnectors and earthing switches

### Range Details:

- 630A to 6300A
- Breaking Capacity upto 150kA
- Fixed, Draw out type
- Flexible terminal orientation enables horizontal or vertical alignment changes in the field\*

\*Not Applicable for 4000A and 6300A

# Micrologic Trip System Overview of functions

## Micrologic name codes

**2.0 E**  
X Y Z

### X: type of protection

- 2 for basic protection
- 5 for selective protection
- 6 for selective + earth-fault protection
- 7 for selective + earth-leakage protection.

### Y: control-unit generation

Identification of the control-unit generation.  
"0" signifies the first generation.

### Z: type of measurement

- E for "Energy"
- P for "power meter"
- H for "harmonic meter".

### P: E + power meter + programmable protection

- measurements of V, A, W, VAR, VA, Wh, VARh, VAh, Hz, Vpeak, Apeak, power factor and maximeters and minimeters
- IDMTL long-time protection, minimum and maximum voltage and frequency, voltage and current imbalance, phase sequence, reverse power
- load shedding and reconnection depending on power or current
- measurements of interrupted currents, differentiated fault indications,
- maintenance indications, event histories and time-stamping, etc.

## Measurements and programmable protection

- $I_1, I_2, I_3, I_N$ , earth-fault, earth-leakage and maximeter for these measurements
- fault indications
- settings in amperes and in seconds.
- calculates the current demand value
- "Quickview" function for the automatic cyclical display of the most useful values (as standard or by selection).



### H: P + harmonics

- power quality: fundamentals, distortion, amplitude and phase of harmonics up to the 31st order
- waveform capture after fault, alarm or on request
- enhanced alarm programming: thresholds and actions.

## Solar PVDC ACB Offer MasterPact NW HADCD - PV switch disconnectors



- 2000A and 4000A @ 1000V DC
- Short Circuit Withstand Capacity upto 85kA 1sec
- Fixed and Draw out type
- High Mechanical and Electrical life

## ATS Kit Suitable for MasterPact NT/ NW ACB

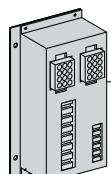
### This Kit comprises of :

- Adaptation fixture & set of two cables for mechanical interlocking
- IVE unit for Electrical Interlocking
- ACP control Plate
- UA/BA controller

\*Note: For ATS with MasterPact NT/NW ACB, order 2 nos. of ACB's with ready to close PF contact + 1 no. ATS Kit



ACP Unit



IVE Unit



Controller



Mechanical interlocking using cable

| Description  | Reference                                      | Unit MRP [₹] |
|--|--|--------------|
| ATS Kit for MasterPact NT EDO type with BA 415VAC controller | INA_NTDOB4                                     | 206650       |
| ATS Kit for MasterPact NT EDO type with UA 415VAC controller | INA_NTDOU4                                     | 237070       |
| ATS Kit for MasterPact NW EDO type with BA 415VAC controller | INA_NWDOB4 <input checked="" type="checkbox"/> | 224960       |
| ATS Kit for MasterPact NW EDO type with UA 415VAC controller | INA_NWDOU4 <input checked="" type="checkbox"/> | 285830       |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

The easy choice for reliable performance

# EasyPact MVS

LV power circuit breakers and switch  
disconnectors from 800 to 4000 A





# EasyPact MVS

The easy choice for reliable performance



- Thermal memory ensures safe tripping in case of consecutive faults
- In-built ZSI feature facilitates intelligent discrimination and enhances installation life
- Mechanical ready to close features checks all safety parameters before closing for enhanced safety
- Trip unit with built in current & voltage metering for easy access to important electrical parameters
- Best in class break time of 25ms creates lower stress on installation
- Pollution degree 4 allows the breaker to operate in harsh environments
- LED bargraph ensures easy access to % phase wise loading information
- Ap protection feature standard in all trip units

## Range Details:

- Single frame for 800A to 4000A
- Fixed, Draw out type
- Entire Range  $I_{cu}=I_{cs}=I_{cw}=50kA / 65kA$  for 1sec @440V
- Suitability for applications up to 690 V
- Flexible terminal orientation enables horizontal or vertical alignment changes in the field (except for 4000A)

# ET/ETA/ETV Trip System

A step towards intelligent Electrical Distribution Network



|                   | ET TRIP UNIT  | ETA Trip Unit | ETV TRIP UNIT |
|-------------------|---|---------------|---------------|
| <b>Features</b>   | Current Metering  |               | ●             |
|                   | Energy Metering <span style="color: green; font-weight: bold;">NEW</span> |               | ●             |
|                   | ZSI   | ●             | ●             |
|                   | % Loading Bar Graph for each phase  | ●             | ●             |
|                   | Thermal Memory  | ●             | ●             |
|                   | Last 10 Trip History  |               |               |
| <b>Protection</b> | 2 (L, I)  | 2L            | 2A            |
|                   |   | 6G            | 6A            |

## EasyPact ACB Communication Module



Connect



Control



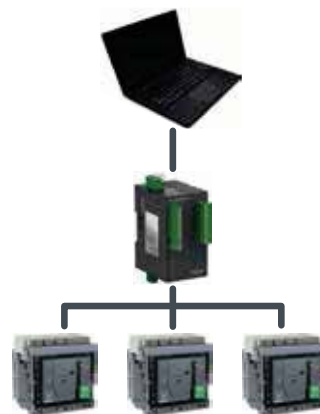
Manage

Make Communication architecture affordable and Easy to maintain

- Connect, Control & Manage three ACBs from one communication module having RS485 port with Modbus RTU protocol.
  - a. Connect breaker ON/OFF status (OF) Breaker trip status (SDE), ready to close status (PF)
  - b. Control remote open/close of air circuit breakers.
  - c. Manage one analog input (4-20mA)



EasyPact MVS communication module connect and control ACB on Modbus Communication architecture.



### Material Description

EasyPact MVS Communication module .... EasyCom

### Reference

MVS21430

### Unit MRP [₹]

16250

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# EasyPact MVS Draw-out ACB

## Draw-out type Circuit breakers and Switch Disconnectors 800-4000A



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec}) = 50\text{kA @ } 440\text{V AC}$

### Draw-out Type circuit breaker with Microprocessor based ET6G Trip Unit (without display)

| Rating In (A) | 3P Draw-Out Manual Reference | Unit MRP [₹] | 3P Draw-Out Electrical Reference | Unit MRP [₹] | 4P Draw-Out Manual Reference | Unit MRP [₹] | 4P Draw-Out Electrical Reference | Unit MRP [₹] |
|---------------|------------------------------|--------------|----------------------------------|--------------|------------------------------|--------------|----------------------------------|--------------|
| 800           | MVS08N3MW6L                  | 256930       | MVS08N3NW6L                      | 331720       | MVS08N4MW6L                  | 322490       | MVS08N4NW6L                      | 397280       |
| 1000          | MVS10N3MW6L                  | 269920       | MVS10N3NW6L                      | 344710       | MVS10N4MW6L                  | 337860       | MVS10N4NW6L                      | 412650       |
| 1250          | MVS12N3MW6L                  | 300540       | MVS12N3NW6L                      | 375330       | MVS12N4MW6L                  | 374210       | MVS12N4NW6L                      | 449000       |
| 1600          | MVS16N3MW6L                  | 341580       | MVS16N3NW6L                      | 416370       | MVS16N4MW6L                  | 416780       | MVS16N4NW6L                      | 491570       |
| 2000          | MVS20N3MW6L                  | 458920       | MVS20N3NW6L                      | 533710       | MVS20N4MW6L                  | 563600       | MVS20N4NW6L                      | 638390       |
| 2500          | MVS25N3MW6L                  | 567350       | MVS25N3NW6L                      | 642140       | MVS25N4MW6L                  | 689440       | MVS25N4NW6L                      | 764230       |
| 3200          | MVS32N3MW6L                  | 685950       | MVS32N3NW6L                      | 760740       | MVS32N4MW6L                  | 841080       | MVS32N4NW6L                      | 915870       |
| 4000          | MVS40N3MW6L                  | 838950       | MVS40N3NW6L                      | 913740       | MVS40N4MW6L                  | 1077750      | MVS40N4NW6L                      | 1152540      |

### EasyPact MVS Draw out ACB

| ACB variants  | LP changes for product Configuration w.r.t. ACB having ET6G trip unit. |        | How to arrive at new reference number*  |
|---|--|--------|---|
| Switch Disconnector version (without trip unit)   | Reduce   | ₹19300 | <b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For switch disconnector reference <b>replace 6L by 0D</b> i.e MVS08N3MW0D     |
| ACB with ET6A trip unit (LCD display with Current Metering)   | Add  | ₹9200  | <b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6A trip unit <b>replace 6L by 6A</b> i.e MVS08N3MW6A |
| ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add  | ₹21200 | <b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6V trip unit <b>replace 6L by 6V</b> i.e MVS08N3MW6V |

\*- Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

#### Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
  - 1 No. Electrical fault indication Contact (SDE).
  - No. Auxiliary contact block (OF) with 4 C/O contacts.
  - Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX)
  - External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
  - Any other accessories are optional at extra price.
  - The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
    - MVS08N3NW6L can be represented as MVS08N3EW6L
    - MVS08N3NF6L can be represented as MVS08N3EF6L

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# EasyPact MVS Draw-out ACB

## Draw-out type Circuit breakers and Switch Disconnectors 800-4000A



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET2L provides Overload & Short-circuit protections
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec}) = 50\text{kA} @ 440\text{V AC}$

### Draw-out Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

| Rating In (A) | 3P Draw-Out Manual Reference | Unit MRP [₹] | 3P Draw-Out Electrical Reference | Unit MRP [₹] | 4P Draw-Out Manual Reference | Unit MRP [₹] | 4P Draw-Out Electrical Reference | Unit MRP [₹] |
|---------------|------------------------------|--------------|----------------------------------|--------------|------------------------------|--------------|----------------------------------|--------------|
| 800           | MVS08N3MW2L                  | 249530       | MVS08N3NW2L                      | 324320       | MVS08N4MW2L                  | 315090       | MVS08N4NW2L                      | 389880       |
| 1000          | MVS10N3MW2L                  | 262520       | MVS10N3NW2L                      | 337310       | MVS10N4MW2L                  | 330460       | MVS10N4NW2L                      | 405250       |
| 1250          | MVS12N3MW2L                  | 293140       | MVS12N3NW2L                      | 367930       | MVS12N4MW2L                  | 366810       | MVS12N4NW2L                      | 441600       |
| 1600          | MVS16N3MW2L                  | 334180       | MVS16N3NW2L                      | 408970       | MVS16N4MW2L                  | 409380       | MVS16N4NW2L                      | 484170       |
| 2000          | MVS20N3MW2L                  | 451520       | MVS20N3NW2L                      | 526310       | MVS20N4MW2L                  | 556200       | MVS20N4NW2L                      | 630990       |
| 2500          | MVS25N3MW2L                  | 559950       | MVS25N3NW2L                      | 634740       | MVS25N4MW2L                  | 682040       | MVS25N4NW2L                      | 756830       |
| 3200          | MVS32N3MW2L                  | 678550       | MVS32N3NW2L                      | 753340       | MVS32N4MW2L                  | 833680       | MVS32N4NW2L                      | 908470       |
| 4000          | MVS40N3MW2L                  | 831550       | MVS40N3NW2L                      | 906340       | MVS40N4MW2L                  | 1070350      | MVS40N4NW2L                      | 1145140      |

### EasyPact MVS Draw out ACB

| ACB variants  | LP changes for product Configuration w.r.t. ACB having ET2L trip unit. |        | How to arrive at new reference number*  |
|---|--|--------|---|
| ACB with ET2A trip unit (LCD display with Current Metering)   | Add  | ₹4600  | <b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2A trip unit <b>replace 2L by 2A</b> i.e MVS08N3MW2A |
| ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add  | ₹13800 | <b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2V trip unit <b>replace 2L by 2V</b> i.e MVS08N3MW2V |

AC\* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

#### Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.
- The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
  - MVS08N3NW6L can be represented as MVS08N3EW6L
  - MVS08N3NF6L can be represented as MVS08N3EF6L

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# EasyPact MVS Fixed ACB

## Fixed type Circuit breakers & Switch Disconnectors 800-4000A



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50° C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- Icu=Ics=Icw(1sec) =50kA @ 440V AC

### Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit (without display)

| Rating in (A) | 3P Fix Manual Reference | Unit MRP [₹] | 3P Fix Electrical Reference | Unit MRP [₹] | 4P Fix Manual Reference | Unit MRP [₹] | 4P Fix Electrical Reference | Unit MRP [₹] |
|---------------|-------------------------|--------------|-----------------------------|--------------|-------------------------|--------------|-----------------------------|--------------|
| 800           | MVS08N3MF6L             | 191590       | MVS08N3NF6L                 | 266380       | MVS08N4MF6L             | 243590       | MVS08N4NF6L                 | 318380       |
| 1000          | MVS10N3MF6L             | 209730       | MVS10N3NF6L                 | 284520       | MVS10N4MF6L             | 264560       | MVS10N4NF6L                 | 339350       |
| 1250          | MVS12N3MF6L             | 241050       | MVS12N3NF6L                 | 315840       | MVS12N4MF6L             | 301160       | MVS12N4NF6L                 | 375950       |
| 1600          | MVS16N3MF6L             | 267570       | MVS16N3NF6L                 | 342360       | MVS16N4MF6L             | 345870       | MVS16N4NF6L                 | 420660       |
| 2000          | MVS20N3MF6L             | 345540       | MVS20N3NF6L                 | 420330       | MVS20N4MF6L             | 451580       | MVS20N4NF6L                 | 526370       |
| 2500          | MVS25N3MF6L             | 421260       | MVS25N3NF6L                 | 496050       | MVS25N4MF6L             | 532210       | MVS25N4NF6L                 | 607000       |
| 3200          | MVS32N3MF6L             | 603010       | MVS32N3NF6L                 | 677800       | MVS32N4MF6L             | 744010       | MVS32N4NF6L                 | 818800       |
| 4000          | MVS40N3MF6L             | 742590       | MVS40N3NF6L                 | 817380       | MVS40N4MF6L             | 930980       | MVS40N4NF6L                 | 1005770      |

### EasyPact MVS Fix ACB

| ACB variants  | LP changes for product Configuration w.r.t. ACB having ET6G trip unit. |        | How to arrive at new reference number*  |
|---|--|--------|---|
| Switch Disconnector version (without trip unit)   | Reduce   | ₹19300 | <b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For switch disconnector reference <b>replace 6L by 0D</b> i.e MVS08N3MF0D     |
| ACB with ET6A trip unit (LCD display with Current Metering)   | Add  | ₹9200  | <b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6A trip unit <b>replace 6L by 6A</b> i.e MVS08N3MF6A |
| ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add  | ₹21200 | <b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6V trip unit <b>replace 6L by 6V</b> i.e MVS08N3MF6V |

\* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

#### Note:

All Fix type circuit breakers will be supplied with:

- horizontal / vertical terminal
  - 1 No. Electrical fault indication Contact (SDE).
  - 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
  - door sealing frame- Escutcheon (CDP).
- All switch disconnectors are without protection
  - All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
  - External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
  - Any other accessories are optional at extra price.
  - The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
    - MVS08N3NW6L can be represented as MVS08N3EW6L
    - MVS08N3NF6L can be represented as MVS08N3EF6L

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50° C
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- Icu=Ics=Icw(1sec) =50kA @ 440V AC

### Fixed Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

| Rating in (A) | 3P Fix Manual Reference | Unit MRP [₹] | 3P Fix Electrical Reference | Unit MRP [₹] | 4P Fix Manual Reference | Unit MRP [₹] | 4P Fix Electrical Reference | Unit MRP [₹] |
|---------------|-------------------------|--------------|-----------------------------|--------------|-------------------------|--------------|-----------------------------|--------------|
| 800           | MVS08N3MF2L             | 184190       | MVS08N3NF2L                 | 258980       | MVS08N4MF2L             | 236190       | MVS08N4NF2L                 | 310980       |
| 1000          | MVS10N3MF2L             | 202330       | MVS10N3NF2L                 | 277120       | MVS10N4MF2L             | 257160       | MVS10N4NF2L                 | 331950       |
| 1250          | MVS12N3MF2L             | 233650       | MVS12N3NF2L                 | 308440       | MVS12N4MF2L             | 293760       | MVS12N4NF2L                 | 368550       |
| 1600          | MVS16N3MF2L             | 260170       | MVS16N3NF2L                 | 334960       | MVS16N4MF2L             | 338470       | MVS16N4NF2L                 | 413260       |
| 2000          | MVS20N3MF2L             | 338140       | MVS20N3NF2L                 | 412930       | MVS20N4MF2L             | 444180       | MVS20N4NF2L                 | 518970       |
| 2500          | MVS25N3MF2L             | 413860       | MVS25N3NF2L                 | 488650       | MVS25N4MF2L             | 524810       | MVS25N4NF2L                 | 599600       |
| 3200          | MVS32N3MF2L             | 595610       | MVS32N3NF2L                 | 670400       | MVS32N4MF2L             | 736610       | MVS32N4NF2L                 | 811400       |
| 4000          | MVS40N3MF2L             | 735190       | MVS40N3NF2L                 | 809980       | MVS40N4MF2L             | 923580       | MVS40N4NF2L                 | 998370       |

### EasyPact MVS Fix ACB

| ACB variants  | LP changes for product configuration w.r.t. ACB having ET2L trip unit |        | How to arrive at new reference number   |
|---|---|--------|---|
| ACB with ET2A trip unit (LCD display with Current Metering)   | Add   | ₹4600  | <b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MF2L. <b>For ACB reference with ET2A trip unit replace 2L by 2A</b> i.e MVS08N3MF2A |
| ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add   | ₹13800 | <b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MF2L. <b>For ACB reference with ET2V trip unit replace 2L by 2V</b> i.e MVS08N3MF2V |

\* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

Note:

All Fix type circuit breakers will be supplied with:

- horizontal / vertical terminal
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- door sealing frame- Escutcheon (CDP).

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.
- The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
  - MVS08N3NW6L can be represented as MVS08N3EW6L
  - MVS08N3NF6L can be represented as MVS08N3EF6L

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

| Component   | Specification       | Reference                                    | Unit MRP<br>₹ |
|---|---------------------|--|---------------|
| <b>Gear Motor (MCH)</b>                                   |                     |  |               |
| AC 50/60 Hz   | 100/130 V           | 47893  | 57440         |
|   | 200/240 V           | 47894 <input checked="" type="checkbox"/>    |               |
|   | 380/415 V           | 47896  |               |
| DC  | 24/30 V             | 47888  |               |
|   | 48/60 V             | 47889  |               |
|   | 100/125 V           | 47890  |               |
|   | 200/250 V           | 47891  |               |
| <b>Closing Release (XF)</b>                               |                     |  |               |
| AC 50/60 Hz DC  | 24/30 V DC          | 33659  | 8360          |
|   | 48/60 V DC          | 33660  |               |
|   | 100/130 V AC/DC     | MVS15511 <input checked="" type="checkbox"/> |               |
|   | 200/250 V AC/DC     | MVS15512 <input checked="" type="checkbox"/> |               |
|   | 380/480 V AC        | MVS15513                                     |               |
| <b>Opening Release (MX)</b>                               |                     |  |               |
| AC 50/60 Hz DC  | 24/30 V DC, 24 V AC | 33659  | 8360          |
|   | 48/60 V DC, 48 V AC | 33660  |               |
|   | 100/130 V AC/DC     | 33661 <input checked="" type="checkbox"/>    | 8340          |
|   | 200/250 V AC/DC     | 33662 <input checked="" type="checkbox"/>    |               |
|   | 380/480 V AC        | 33664 <input checked="" type="checkbox"/>    | 8360          |
| <b>Terminal Block</b>                                     |                     |  |               |
| For drawout circuit breaker                               |                     | 47849  | 310           |
| <b>Under Voltage Release (MN)</b>                         |                     |  |               |
| AC 50/60 Hz DC  | 24/30 V DC, 24 V AC | 33668  | 8360          |
|   | 48/60 V DC, 48 V AC | 33669  |               |
|   | 100/130 V AC/DC     | 33670 <input checked="" type="checkbox"/>    |               |
|   | 200/250 V AC/DC     | 33671 <input checked="" type="checkbox"/>    |               |
|   | 380/480 V AC        | 33673 <input checked="" type="checkbox"/>    |               |
| <b>MN Delay Unit</b>                                      |                     |  |               |
| AC 50/60 Hz DC  | 48/60 V AC/DC       | 33680  | 12160         |
|   | 100/130 V AC/DC     | 33681  |               |
|   | 200/250 V AC/DC     | 33682  |               |
|   | 380/480 V AC/DC     | 33683  |               |
|   | 100/130 V AC/DC     | 33684  | 11330         |
|   | 200/250 V AC/DC     | 33685 <input checked="" type="checkbox"/>    |               |
|   |                     |  |               |
| <b>ON/OFF Indication Contacts (Additional OF contact)</b> |                     |  |               |
| 1 additional block of 4 contacts                          |                     | 47887  | 7370          |
| <b>Door Interlock (VPECD)/1 part</b>                      |                     |  |               |
| On right hand side of chassis                             |                     | 47914 <input checked="" type="checkbox"/>    | 4010          |
| <b>Operation Counter</b>                                  |                     |  |               |
| Operation Counter CDM                                     |                     | 48535  | 11400         |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# EasyPact SPS

Standard Protection System for your electrical distribution network



Schneider Electric Global specialist in the field of ACBs and MCCBs, introduces **EasyPact SPS** range of ACBs

- Single Frame size from 800-1600A
- ASIC Based Microprocessor trip unit with OL, SC & EF protection features, which offer fastest short circuit tripping time in its class
- 25 ms short circuit tripping time ensure low let through energy increase the longevity of an electrical distribution network, cables and equipment
- Offer highest standards of safety for operator as well as Electrical distribution network
- Pollution category –III along with modular technology ensure high operating cycles without maintenance
- Simple to choose and easy to install





- All **EasyPact SPS** Air Circuit Breakers are equipped with terminal adaptors
- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- Fully rated neutral with inbuilt protection
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2B provides Overload & Short-circuit protections
- Short circuit breaking capacity 50kA @ 440V AC

### Draw-out Type circuit breaker with Microprocessor based ET6G Trip Unit

| Rating in (A) | 3P Draw-Out Manual Reference | Unit MRP [₹] | 3P Draw-Out Electrical Reference | Unit MRP [₹] | 4P Draw-Out Manual Reference | Unit MRP [₹] | 4P Draw-Out Electrical Reference | Unit MRP [₹] |
|---------------|------------------------------|--------------|----------------------------------|--------------|------------------------------|--------------|----------------------------------|--------------|
| 800           | SPS08F3PMW6L                 | 211380       | SPS08F3PEW6L                     | 265340       | SPS08F4PMW6L                 | 265060       | SPS08F4PEW6L                     | 319030       |
| 1000          | SPS10F3PMW6L                 | 222540       | SPS10F3PEW6L                     | 276770       | SPS10F4PMW6L                 | 281750       | SPS10F4PEW6L                     | 335980       |
| 1250          | SPS12F3PMW6L                 | 248920       | SPS12F3PEW6L                     | 303130       | SPS12F4PMW6L                 | 317470       | SPS12F4PEW6L                     | 371690       |
| 1600          | SPS16F3PMW6L                 | 280800       | SPS16F3PEW6L                     | 335030       | SPS16F4PMW6L                 | 359350       | SPS16F4PEW6L                     | 413580       |

### Draw-out Type circuit breaker with Microprocessor based ET2B Trip Unit

| Rating in (A) | 3P Draw-Out Manual Reference | Unit MRP [₹] | 3P Draw-Out Electrical Reference | Unit MRP [₹] | 4P Draw-Out Manual Reference | Unit MRP [₹] | 4P Draw-Out Electrical Reference | Unit MRP [₹] |
|---------------|------------------------------|--------------|----------------------------------|--------------|------------------------------|--------------|----------------------------------|--------------|
| 800           | SPS08F3PMW2B                 | 208980       | SPS08F3PEW2B                     | 262940       | SPS08F4PMW2B                 | 262670       | SPS08F4PEW2B                     | 316630       |
| 1000          | SPS10F3PMW2B                 | 220140       | SPS10F3PEW2B                     | 274340       | SPS10F4PMW2B                 | 279350       | SPS10F4PEW2B                     | 333550       |
| 1250          | SPS12F3PMW2B                 | 246510       | SPS12F3PEW2B                     | 300730       | SPS12F4PMW2B                 | 315070       | SPS12F4PEW2B                     | 369280       |
| 1600          | SPS16F3PMW2B                 | 278400       | SPS16F3PEW2B                     | 332610       | SPS16F4PMW2B                 | 356950       | SPS16F4PEW2B                     | 411170       |

### Draw-out Type switch disconnector without protection

| Rating in (A) | 3P Draw-Out Manual Reference | Unit MRP [₹] | 3P Draw-Out Electrical Reference | Unit MRP [₹] | 4P Draw-Out Manual Reference | Unit MRP [₹] | 4P Draw-Out Electrical Reference | Unit MRP [₹] |
|---------------|------------------------------|--------------|----------------------------------|--------------|------------------------------|--------------|----------------------------------|--------------|
| 800           | SPS08F3PMW0D                 | 192460       | SPS08F3PEW0D                     | 246410       | SPS08F4PMW0D                 | 246150       | SPS08F4PEW0D                     | 300110       |
| 1000          | SPS10F3PMW0D                 | 203520       | SPS10F3PEW0D                     | 257750       | SPS10F4PMW0D                 | 262730       | SPS10F4PEW0D                     | 316960       |
| 1250          | SPS12F3PMW0D                 | 229910       | SPS12F3PEW0D                     | 284110       | SPS12F4PMW0D                 | 298460       | SPS12F4PEW0D                     | 352680       |
| 1600          | SPS16F3PMW0D                 | 261790       | SPS16F3PEW0D                     | 316010       | SPS16F4PMW0D                 | 340350       | SPS16F4PEW0D                     | 394570       |

#### Note:

All draw-out type circuit breakers will be supplied with:

- Vertical-vertical terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 2 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) and shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



- All EasyPact SPS Air Circuit Breakers are equipped with terminal adaptors
- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- Fully rated neutral with inbuilt protection
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2B provides Overload & Short-circuit protections
- Short circuit breaking capacity 50kA @ 440V AC

### Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit

| Rating in (A) | 3P Fixed Manual Reference | Unit MRP [₹] | 3P Fixed Electrical Reference | Unit MRP [₹] | 4P Fixed Manual Reference | Unit MRP [₹] | 4P Fixed Electrical Reference | Unit MRP [₹] |
|---------------|---------------------------|--------------|-------------------------------|--------------|---------------------------|--------------|-------------------------------|--------------|
| 800           | SPS08F3PMF6L              | 162360       | SPS08F3PEF6L                  | 216330       | SPS08F4PMF6L              | 197400       | SPS08F4PEF6L                  | 251370       |
| 1000          | SPS10F3PMF6L              | 171770       | SPS10F3PEF6L                  | 225980       | SPS10F4PMF6L              | 212970       | SPS10F4PEF6L                  | 267190       |
| 1250          | SPS12F3PMF6L              | 198040       | SPS12F3PEF6L                  | 252260       | SPS12F4PMF6L              | 247080       | SPS12F4PEF6L                  | 301300       |
| 1600          | SPS16F3PMF6L              | 229330       | SPS16F3PEF6L                  | 283550       | SPS16F4PMF6L              | 282460       | SPS16F4PEF6L                  | 336680       |

### Fixed Type circuit breaker with Microprocessor based ET2B Trip Unit

| Rating in (A) | 3P Fixed Manual Reference | Unit MRP [₹] | 3P Fixed Electrical Reference | Unit MRP [₹] | 4P Fixed Manual Reference | Unit MRP [₹] | 4P Fixed Electrical Reference | Unit MRP [₹] |
|---------------|---------------------------|--------------|-------------------------------|--------------|---------------------------|--------------|-------------------------------|--------------|
| 800           | SPS08F3PMF2B              | 159970       | SPS08F3PEF2B                  | 213930       | SPS08F4PMF2B              | 195010       | SPS08F4PEF2B                  | 248960       |
| 1000          | SPS10F3PMF2B              | 169350       | SPS10F3PEF2B                  | 223580       | SPS10F4PMF2B              | 210560       | SPS10F4PEF2B                  | 264780       |
| 1250          | SPS12F3PMF2B              | 195630       | SPS12F3PEF2B                  | 249860       | SPS12F4PMF2B              | 244670       | SPS12F4PEF2B                  | 298890       |
| 1600          | SPS16F3PMF2B              | 226910       | SPS16F3PEF2B                  | 281140       | SPS16F4PMF2B              | 280060       | SPS16F4PEF2B                  | 334260       |

### Fixed Type switch disconnector without protection

| Rating in (A) | 3P Fixed Manual Reference | Unit MRP [₹] | 3P Fixed Electrical Reference | Unit MRP [₹] | 4P Fixed Manual Reference | Unit MRP [₹] | 4P Fixed Electrical Reference | Unit MRP [₹] |
|---------------|---------------------------|--------------|-------------------------------|--------------|---------------------------|--------------|-------------------------------|--------------|
| 800           | SPS08F3PMF0D              | 143450       | SPS08F3PEF0D                  | 197410       | SPS08F4PMF0D              | 178470       | SPS08F4PEF0D                  | 232440       |
| 1000          | SPS10F3PMF0D              | 152760       | SPS10F3PEF0D                  | 206960       | SPS10F4PMF0D              | 193960       | SPS10F4PEF0D                  | 248180       |
| 1250          | SPS12F3PMF0D              | 179040       | SPS12F3PEF0D                  | 233240       | SPS12F4PMF0D              | 228070       | SPS12F4PEF0D                  | 282300       |
| 1600          | SPS16F3PMF0D              | 210320       | SPS16F3PEF0D                  | 264540       | SPS16F4PMF0D              | 263440       | SPS16F4PEF0D                  | 317670       |

**Note:** All Fixed type circuit breakers will be supplied with: (i) Vertical-vertical terminations. (ii) 1 No. Electrical fault indication Contact (SDE).

(iii) 1 No. Auxiliary contact block (OF) with 2 C/O contacts.

All switch disconnectors are without protection | All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) and shunt release (MX). | External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price. | Any other accessories are optional at extra price.


### Accessories

| Pole Description                             | Rated Operational Current | Reference | Unit MRP ₹ |
|--|---------------------------|-----------|------------|
| <b>Gear Motor (MCH)</b>                      |                           |           |            |
| AC 50/60 Hz                                  | 100/130 V                 | 33176     | 57440      |
|  | 200/240 V                 | 33177     |            |
|  | 277/415 V                 | 33179     |            |
| DC   | 24/30 V                   | 33185     |            |
|  | 48/60 V                   | 33186     |            |
|  | 100/125 V                 | 33187     |            |
|  | 200/250 V                 | 33188     |            |
| <b>Terminal Block</b>                        |                           |           |            |
| For Fixed circuit breaker                    |                           | 47074     | 360        |
| For Drawout circuit breaker                  |                           | 33098     |            |
| <b>ON/OFF Indication contacts (OF) 1Part</b> |                           |           |            |
| Changeover contact 6A                        | 240V                      | 47076     | 1490       |
| <b>Ready to close contact</b>                |                           |           |            |
| Changeover contact 5A                        | 240V                      | 47080     | 3810       |
| <b>Door interlock (VPECD)/1 part</b>         |                           |           |            |
| Right side of chassis                        |                           | 33172     | 5760       |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# ASCO - Automatic Transfer Switches

Power available always when you need it

**ASCO** Transfer Switches make backup power possible. They enhance power availability by transferring electrical loads to alternate sources of power. From simple backup solutions to mission-critical facilities, transfer switches connect backup power to enhance safety and sustain operations.

[se.com/in](https://se.com/in)

Life Is On

**Schneider**  
Electric

Launching soon

Advanced transfer switch to maximize

# UPTIME

“TransferPacT Active Automatic is now ready to deliver maximum uptime and safety with a complete range from 32A to 630A

- Conforming to IEC 60947-6-1
- Optimize panel space by up to 30%, saving cost and improving efficiency
- Ultra fast transfer speed for better power availability
- Solenoid operated, Built-in microprocessor Controller
- Robust design
- Utilization Category: AC 33B
- Poles: 3,4
- Scalable with plug and play - 10 function modules
- Connectivity with compliant to cyber security standard IEC 62443, SL1 Level



TransferPacT™ Active Automatic



#SourceManagement

[se.com/in](https://se.com/in)

Life Is On

Schneider  
Electric



Life Is On

Schneider  
Electric

## ASCO Power Technologies™

The **7000 SERIES** Automatic Transfer Bypass-Isolation Switch is intended for critical applications where continuous power is required

- Allows bypass-isolation without load interruption
- Primary transfer switch can be inspected, tested, and maintained without interrupting power to the load
- Transfer switch and bypass transfer switch have identical electrical ratings
- Range: 150 to 4000 amps
- Draw-out design allows for easy transfer switch maintenance
- Open Transition (OTTS), Closed Transition (CTTS) and Delayed Transition (DTTS) Designs

# Series 7000/300, Automatic Transfer Switch (ASCO)

7000/300 Series Power Transfer Switches are available in open and enclosed variants, ranging from 30 to 4000 amps (LV) & 1200 to 3000A (MV) with wide range of accessories. All switching configurations (OTTS, DTTS, CTTS) are available with optional integrated bypass-isolation switch.



Open/Closed/Delayed Transition with Bypass



Open/Closed/Delayed Transition Switch





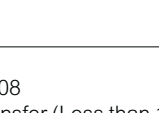
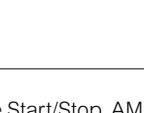


UL /ANSI – 2 Section Medium Voltage ATS



IEC Design – 3 Section Medium Voltage ATS

# Series 7000/300, Automatic Transfer Switch (ASCO)

| Frame | Rating(A) | Controller Type   | Reference (4P, Overlapping Neutral) | Unit MRP [₹]   | Controller Type  | Reference (4P, Overlapping Neutral) | Unit MRP [₹] |
|-------|-----------|---|-------------------------------------|--|--|-------------------------------------|--------------|
| D     | 30        | Series 7000 Group<br>5 Controller   | D07ATSC30030K500                    | On Request   | Series 300 Group<br>G Controller   | D03ATSC30030KG00                    | On Request   |
|       | 70        |   | D07ATSC30070K500                    |  |  | D03ATSC30070KG00                    |              |
|       | 104       |   | D07ATSC30100K500                    |  |  | D03ATSC30104KG00                    |              |
|       | 150       |   | D07ATSC30150K500                    |  |  | D03ATSC30150KG00                    |              |
|       | 200       |   | D07ATSC30200K500                    |  |  | D03ATSC30200KG00                    |              |
|       | 230       |   | D07ATSC30230K500                    |  |  | D03ATSC30230KG00                    |              |
| J     | 260       |  | J07ATSC30260K500                    |  |  | J03ATSC30260KG00                    |              |
|       | 400       |   | J07ATSC30400K500                    |  |  | J03ATSC30400KG00                    |              |
|       | 600       |   | J07ATSC30600K500                    |  |  | J03ATSC30600KG00                    |              |
|       | 800       |   | H07ATSC30800K500                    |  |  | H03ATSC30800KG00                    |              |
| H     | 1000      |  | H07ATSC31000K500                    |  |  | H03ATSC31000KG00                    |              |
|       | 1200      |   | H07ATSC31200K500                    |  |  | H03ATSC31200KG00                    |              |
| G     | 1600      |  | G07ATSC31600K500                    |  | G03ATSC31600KG00   |                                     |              |
|       | 2000      |   | G07ATSC32000K500                    |  | G03ATSC32000KG00   |                                     |              |
|       | 2600      |   | G07ATSC32600K500                    |  | G03ATSC32600KG00   |                                     |              |
|       | 3000      |   | G07ATSC33000K500                    |  | G03ATSC33000KG00   |                                     |              |
|       | 3200      |   | G07ATSC33200K500                    |  | G03ATSC33200KG00   |                                     |              |
|       | 4000      |   | G7ATSC34000K5X40RM                  |  | -  | -                                   |              |

- Conforming to UL 1008
- Fast & Consistent Transfer (Less than 100ms)
- Single Solenoid True Double throw Design
- High Withstanding & Closing-On Fault Currents (WCR)
- Neutral Overlap to eliminate Voltage Transients
- In-Phase Monitor to avoid Motor Inrush current
- Engine Start/Stop, AMF Logic & Time Delay Setting
- Programmable Daily/Weekly Engine Exerciser
- 4 Line LCD + LED Display
- 99 Events Log & Diagnostics with Date/Time
- Statistical ATS System Monitoring Information
- Communication Compatible (Modbus/Ethernet)

- 2P, 3P & 4P with solid neutral/Switched Neutral are available
- ATS with stand alone Type Tested NEMA Enclosure available
- For Series 7000 Close Transition, Bypass Option & Medium Voltage ATS offer please contact Customer Care Centre

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.



NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Series 230, Automatic Transfer Switch (ASCO)

- Conforming to IEC 60947-6-1
- Built-in Microprocessor controller
- Utilization Category AC-32A & AC-33B
- Mechanical Durability: 10,000 cycles in all frames
- Highest short circuit withstand current with CB back-up protection
- Fire control input signal
- 3rd party type tested



| Rating (Amp) | Controller Type  | Reference      | Unit MRP [₹] | Controller Type   | Reference      | Unit MRP [₹] | Poles |
|--------------|--|----------------|--------------|---|----------------|--------------|-------|
|              | <b>C1000</b>   |                |              | <b>C2000</b>  |                |              |       |
| 800          |  <ul style="list-style-type: none"> <li>• Under/Over Voltage</li> <li>• Under/Over Frequency</li> <li>• Time Delay Engine start/stop</li> <li>• LED Display</li> <li>• RS485 Port (optional)</li> </ul> | E2ADTLB30800KD | On Request   |  <ul style="list-style-type: none"> <li>• Under/Over Voltage</li> <li>• Under/Over Frequency</li> <li>• Phase Rotation</li> <li>• Voltage Unbalance</li> <li>• Time Delay</li> <li>• Engine start/stop</li> <li>• LED + LCD Display</li> <li>• RS485 Port Standard</li> <li>• Event Logging</li> <li>• Priority Source Swapping</li> </ul> | E2ADTLB30800KE | On Request   | 4P    |

\* For 2P & 3P ATS, please contact Customer Care Centre.

## Series 230 Accessories



4 Pole Bridging Busbar



Auxiliary Contact



72 D

### 72D RS-485 communication

Suffix '72D' in the part reference for inbuilt RS485 communication port. Applicable for C300 and C1000 Series controller based transfer switching equipments. RS485 port option available factory fit only. For Price please contact Customer Care Centre

| Accessory Type | Description                         | Reference  | Unit MRP [₹] |
|----------------|-------------------------------------|------------|--------------|
| LAP1F100       | Aux.Contact (NO)                    | 972970     | On Request   |
| LAP1F010       | Aux.Contact (NC)                    | 972970-001 |              |
| 132JC          | 4P Bridging Busbar for B2ADTL Frame | 972971-002 |              |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# WOTPC, Automatic transfer switch

- Conforming to IEC 60947-6-1
- Solenoid operated, Built-in Microprocessor Controller
- 1000-4000 Amps in same compact frame
- Utilization Category: AC 33A
- Mechanical Endurance: 20,000 ops
- Rated Short circuit withstand of 65 kA, 3sec
- Built in RS 485 port for communication



| Rating (amps) | Poles | Reference   | Unit MRP [₹] | Poles | Reference   | Unit MRP [₹] |
|---------------|-------|-------------|--------------|-------|-------------|--------------|
| 1000          | 3P    | OT10003D5VI | On Request   | 4P    | OT10004D5VI | On Request   |
| 1250          |       | OT12503D5VI |              |       | OT12504D5VI |              |
| 1600          |       | OT16003D5VI |              |       | OT16004D5VI |              |
| 2000          |       | OT20003D5VI |              |       | OT20004D5VI |              |
| 2500          |       | OT25003D5VI |              |       | OT25004D5VI |              |
| 3200          |       | OT32003D5I  |              |       | OT32004D5I  |              |
| 4000          |       | OT40003D5I  |              |       | OT40004D5I  |              |

\*above references are with vertical termination, for horizontal terminal please contact customer care

## WOTPC Accessories



The transfer switch unit relates to the controller through its cable to realize the detection of the power supply. The controller automatically completes the transfer between the power supply through the set program.

| Description                    | Reference | Unit MRP [₹] |
|--------------------------------|-----------|--------------|
| Phase Partition (Each)         | W00T0001I | On Request   |
| Extension Harness (4m)         | W00T0002I |              |
| Copper bar for Vertical Wiring | W00T0003I |              |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# TransferPacT Active Automatic

TransferPacT is an Ecostruxure-ready advance transfer switch to maximize reliability and uptime for your facility.

- Conforming to IEC 60947-6-1
- Solenoid operated, Built-in Microprocessor Controller
- Fast transfer time of <500ms
- 2,3 and 4 Pole configuration ranging within 32-160A
- Three position, Open transition transfer switch
- Extreme Environment proof with operating temperature of -25 to 70 °C
- Utilization Category: AC 33B
- Tested for Total Discrimination with ComPacT NSXm Circuit breakers for seamless integration.
- Scalable with plug and play - 10 function modules
- Connectivity with compliant to cyber security standard IEC 62443, SL1 Level



| Frame         |       | TA10           |                |       |                | TA16         |       |                |              |
|---------------|-------|----------------|----------------|-------|----------------|--------------|-------|----------------|--------------|
| Rating (amps) | Poles | Reference      | Unit MRP [₹]   | Poles | Reference      | Unit MRP [₹] | Poles | Reference      | Unit MRP [₹] |
| 32            | 2P    | TA10D2L0323TPE | On Request     | 4P    | TA10D4L0324TPE | On Request   | 4P    | -              | -            |
| 40            |       | TA10D2L0403TPE |                |       | TA10D4L0404TPE |              |       | -              | -            |
| 50            |       | TA10D2L0503TPE |                |       | TA10D4L0504TPE |              |       | -              | -            |
| 63            |       | TA10D2L0633TPE |                |       | TA10D4L0634TPE |              |       | -              | -            |
| 80            |       | TA10D2L0803TPE |                |       | TA10D4L0804TPE |              |       | TA16D4L0804TPE | On Request   |
| 100           |       | TA10D2L1003TPE |                |       | TA10D4L1004TPE |              |       | TA16D4L1004TPE |              |
| 125           |       | -              |                |       | -              |              |       | TA16D4L1254TPE |              |
| 160           | -     | -              | TA16D4L1604TPE |       |                |              |       |                |              |

\*For 3P ATS, please contact Customer Care Centre.

## TransferPacT Active Automatic Accessories



HMI cable



External HMI



Function Module

TransferPacT Active Automatic is designed to provide maximum scalability with plug and play function modules (no increase in the footprint) and intuitive external HMI. Please contact Customer Care Centre

| Accessory Type                          | Description                               | Reference | Unit MRP [₹] |
|---|---|-----------|--------------|
| Communication function modules          | Modbus RTU (Serial Port)                  | TPCCOM16  | On Request   |
|   | BUS extension and 24 Vdc auxiliary supply | TPCDIO15  |              |
| Fire Protection function modules        | Fire protection,24VDC pulse               | TPCDIO10  |              |
|   | Fire protection,24VDC constant            | TPCDIO11  |              |
|   | Fire protection,230VAC constant           | TPCDIO13  |              |
|   | Fire protection,dry contact               | TPCDIO14  |              |
| Control and Signalling function modules | Genset start and Alarm                    | TPCDIO17  |              |
|   | Load shedding and Availability warning    | TPCDIO05  |              |
|   | Transfer inhibit and Remote testing       | TPCDIO07  |              |
| Display Modules                         | Voluntary Remote Control                  | TPCDIO08  |              |
|   | External HMI                              | TPCCIF04  |              |
|   | LCD display                               | TPCCIF01  |              |
|   | Rotary display                            | TPCCIF02  |              |
|   | IP54 cover                                | TPCOTH37  |              |

\*For more details on accessories, please contact Customer Care Centre.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# WATSN (ATS and RTS)

WATSN is a Compact , Easy and Scalable Transfer Switch for safe and reliable source management.

- Conforming to IEC 60947-6-1
- Automatic and Remote Transfer switches
- Three Position, Open Transition Transfer Switch
- 2,3,4 pole configurations ranging within 63 -630A
- Fast Transfer Speed of <100ms
- Solenoid operated, Built-in Microprocessor Controller(for ATS)
- Reduced size and footprint upto 30%
- Tested for Total Discrimination with EasyPacT CVS Circuit breakers for seamless integration in the power train.
- Utilization Category: AC 33B



## WATSN Automatic Transfer Switch

| Rating (amps) | Poles | Reference | Unit MRP [₹] | Poles | Reference | Unit MRP [₹] | Poles | Reference | Unit MRP [₹] |
|---------------|-------|-----------|--------------|-------|-----------|--------------|-------|-----------|--------------|
| 63            |       | NA00632V  | 36512        |       | NA00633V  | 37683        |       | NA00634V  | 39355        |
| 100           |       | NA01002V  | 45959        |       | NA01003V  | 47401        |       | NA01004V  | 49324        |
| 160           | 2P    | N2A01602V | 71509        | 3P    | N2A01603V | 73390        | 4P    | N2A01604V | 76787        |
| 250           |       | -         | -            |       | NA02503V  | 135746       |       | NA02504V  | 143813       |
| 400           |       | -         | -            |       | NA04003V  | 230381       |       | NA04004V  | 252660       |
| 630           |       | -         | -            |       | NA06303V  | 291242       |       | NA06304V  | 302914       |

## WATSN Remote Transfer Switch

| Rating (amps) | Poles | Reference | Unit MRP [₹] | Poles | Reference | Unit MRP [₹] | Poles | Reference | Unit MRP [₹] |
|---------------|-------|-----------|--------------|-------|-----------|--------------|-------|-----------|--------------|
| 63            |       | NR00632   | 30932        |       | NR00633   | 31831        |       | NR00634   | 33137        |
| 100           |       | NR01002   | 42208        |       | NR01003   | 43441        |       | NR01004   | 45092        |
| 160           | 2P    | N2R01602  | 57977        | 3P    | N2R01603  | 59440        | 4P    | N2R01604  | 62083        |
| 250           |       | -         | -            |       | NR02503   | 115337       |       | NR02504   | 124052       |
| 400           |       | -         | -            |       | NR04003   | 192594       |       | NR04004   | 211759       |
| 630           |       | -         | -            |       | NR06303   | 251061       |       | NR06304   | 268262       |

## WATSN Accessories



Function Module



T-Helper

WATSN is a simple and scalable transfer switch with add-on function modules.(Any two function modules can be connected at a time)

| Accessory Type                          | Description                                      | Reference | Unit MRP [₹] |
|---|--|-----------|--------------|
| Fire Protection function modules        | DC24V Constant voltage fire linkage              | NF001     | On Request   |
|   | DC24V Pulse fire linkage                         | NF002     |              |
|   | AC220V Constant voltage fire linkage             | NF003     |              |
|   | AC220V Pulse fire linkage                        | NF004     |              |
|   | Passive fire linkage                             | NF005     |              |
| Control and Signalling function modules | Genset control module                            | NF006     |              |
|   | Genset control&Communication module              | NF008     |              |
|   | Remote control to S2                             | NF012     |              |
| Communication accessories               | Modbus communication module with RS485 interface | NF007     |              |
|   | T-Helper Operation and maintenance Helper        | NF028     |              |

\*For more details on accessories, please contact Customer Care Centre.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023







Life Is 

**Schneider**  
Electric

## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurugram 122002 Haryana  
Tel.: ++91 124 6899000 Fax: ++91 124 4222036/037

### Ahmedabad

Schneider Electric India (P) Ltd.  
1506-1507, 15<sup>th</sup> Floor Shaph-5  
Opp.Karnavati Club, SG Highway,  
Ahmedabad, Gujarat - 380015  
Tel.: 079-66826701

### Coimbatore

Schneider Electric India (P) Ltd.  
Hanudev Info Tech Park, 6<sup>th</sup> Floor  
Unit No. Block-C, SF No. 558/2  
Udalyampalayam Road, Nava India  
Coimbatore-641028

### Lucknow

Schneider Electric India (P) Ltd.  
Summit, Plot No. TCG 3/3  
6<sup>th</sup> Floor, 604A/B/C, Vibhuti Khand  
Gomti Nagar, Lucknow  
Uttar Pradesh - 226010  
Tel.: 0522-3500334

### Nashik

Schneider Electric India (P) Ltd.  
401, 4<sup>th</sup> Floor, Rishi Raj Towers  
Jehan Circle, Gangapur Road  
Nashik- 422013  
Tel.: 0253-2344333

### Bengaluru

Schneider Electric India (P) Ltd.  
No. 3/1, JP Techno Park  
Mezzanine Floor, Millers Tank Bund  
Road, Vasanth Nagar  
Bengaluru - 560052  
Tel.: 080-71481351

### Hyderabad

Schneider Electric India (P) Ltd.  
D.No. 1-8-271, # 401, Ashoka  
Bhoopal Chambers, SP Road  
Secunderabad - 500003  
Tel.: 040-67219500

### Ludhiana

Schneider Electric India (P) Ltd.  
SCO 23, 2nd Floor,  
Chandigarh Road, Sector 32  
Ludhiana, Punjab-141010  
Tel.: 0161- 5203011

### New Delhi

Schneider Electric India (P) Ltd.  
C-56, Mayapuri Industrial Area, Phase-2  
New Delhi - 110064  
Tel.: 011-61317400

### Bhubaneswar

Schneider Electric India (P) Ltd.  
Workloop Co-Working in the property  
Office No. 316, Esplanade One Mall  
Rasulgarh, Bhubaneswar - 751010

### Indore

Schneider Electric India (P) Ltd.  
219, Dhan Trident Building  
Vijay Nagar, A.B.Road  
Indore-452001

### Mohali

Schneider Electric India (P) Ltd.  
2nd Floor, Tower-A  
Bestech Business Tower  
Mega Information & Technology Park  
Industrial Plot No.1, Phase IX  
(Expansion), Mohali- 160059  
Tel.: 0172-7198200

### Pune

Schneider Electric India (P) Ltd.  
Amar Caliber, CTS No 911, BMCC Road,  
OFF FC. Road, Deccan Gymkhana,  
Shivaji Nagar, Pune - 411007  
Tel.: 020-67492500

### Chennai

Schneider Electric India (P) Ltd.  
No: 29, 2<sup>nd</sup> Floor,  
Bannari Amman Towers, B-Block  
Dr. Radhakrishnan Road, Mylapore  
Chennai - 600 004  
Tel.:044-71912000

### Jaipur

Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309  
3<sup>rd</sup> Floor, Sangam Tower 190  
Church Road, Jaipur-302001  
Tel.: 0141-2374810

### Mumbai

Schneider Electric India (P)( Ltd)  
Marwah House, 2<sup>nd</sup> Floor  
Krishanlal Marwah Marg  
Andheri (East), Mumbai - 400072  
Tel.: 022-62280000

### Vadodara

Schneider Electric India (P) Ltd.  
Notus IT Park, 10<sup>th</sup> Floor, Block-D  
Sarabhai Campus, Vadiwadi  
Vadodara, Gujarat - 390017

### Cochin

Schneider Electric India (P) Ltd.  
Alapatt Properties Private Limited  
(Trade Name : Centre A)  
Main Door Number : 66/4971  
(Old Door Number: 40/6584-H)  
7<sup>th</sup> Floor Alapatt Heritage Building  
MG Road Kochi - 682035

### Kolkata

Schneider Electric (I)Pvt.Ltd,  
BP-4, Sector-V, Technopolis  
3<sup>rd</sup> Floor, Salt Lake City  
Kolkata- 700 091  
Tel.: 033-66576400

### Nagpur

Schneider Electric India (P) Ltd.  
6, Vasant Vihar Complex  
W.H.C Road, Shankar Nagar  
Nagpur- 440010  
Tel.: 0712-2558581

### Vishakhapatnam

Schneider Electric India (P) Ltd.  
D.N.10-1-43, 1<sup>st</sup> Floor  
Ratnam's Business Centre,  
Siripuram Fort, C.B.M.Compound  
Visakhapatnam - 530016  
Tel.: 0891-6675500

### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 419 4272, 1800 103 0011

Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

For more information, visit our website at: [www.se.com/in](http://www.se.com/in)

- All Prices are in Indian Rupees
- Prices are subject to change without prior notice
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice
- Prices charged will be as prevailing on the date of dispatch
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %
- Tax incidence on invoices is basis applicable GST rates
- Invoice amount not to exceed MRP
- Product pictures shown are for illustration purpose only, actual product may vary

Distributor

Life Is On

**Schneider**  
Electric

 PriceList

# LV- Power Quality Products and Equipments

With effect from January 30<sup>th</sup>, 2023



[se.com/in](https://se.com/in)





---

|  |           |
|--|-----------|
| <b>Power Factor Correction Products .....</b>  | <b>5</b>  |
| ■ EasyLogic™ H Duty Can Capacitors <b>New</b> .....  | 5         |
| ■ Can (Cylindrical) Type 440V Capacitors.....  | 7         |
| ■ Box (Square) Type 440V Capacitors.....   | 8         |
| ■ Detuned Filter Application Capacitors.....   | 9         |
| <b>VarPlus MAX Detuned Reactors .....</b>  | <b>12</b> |
| <b>PFC - Detuned Reactors .....</b>  | <b>13</b> |
| ■ Detuned Reactor 440V Range .....   | 13        |
| <b>Introducing VarPlus MAX Copper .....</b>  | <b>14</b> |
| <b>Wound Reactors</b>  |           |
| ■ Copper Wound Detuned Reactor 440V Range.....   | 15        |
| <b>Selection of capacitor (kVAR &amp; Voltage)<br/>for Detuned filter Application.....</b> | <b>16</b> |
| ■ VarPlus Logic APFC relay .....   | 17        |
| ■ Power Factor Correction Products.....  | 18        |
| ■ APFC Relays.....   | 18        |
| <b>PowerLogic™ DVR.....</b>  | <b>19</b> |
| ■ PowerLogic DVR 380/400/415 V, 50/60 Hz .....   | 20        |
| <b>Accusine PCS+ .....</b>   | <b>21</b> |
| <b>Accusine PCSn .....</b>   | <b>22</b> |
| <b>Active Harmonic Filtering Solutions.....</b>  | <b>23</b> |
| ■ AccuSine PCS+ .....  | 23        |
| ■ AccuSine PCSn .....  | 23        |
| <b>Go DIGITAL with your power factor correction .....</b>                                  | <b>24</b> |
| <b>Digitize your power factor correction .....</b>   | <b>25</b> |
| <b>Power Factor Correction Equipment - VarSet .....</b>                                    | <b>26</b> |
| ■ VarSet LV APFC panels without reactors .....   | 27        |
| ■ VarSet LV APFC panels with 7% reactors .....   | 28        |



Safe, reliable,  
high-performance solution

EasyLogic™ PFC+ **New**  
Premium low voltage power  
factor correction capacitors

- High life expectancy
- Helps reduce energy waste by up to 30%
- Easy to combine with your choice of components



# Power Factor Correction Products



## Capacitor for Heavy Duty Application in Easy Range

- **Rated Voltage:** 480 and 525, 50/60Hz
- **Standard compliances:** IEC 60831 part 1 & 2, IS13340 Part 1-2, BIS certification, ASTA certified
- **Green Premium:** Compliant
- **Reliability:** Specially designed di-electric with Soft resin as coolant, the combination provides it extra reliability and extended working hours
- **Size Optimization:** This optimized design and compact size helps to save the panel space while its lower weight contributes to user experience during installation

## EasyLogic™ PFC+ Capacitor

| Description                             | kVAr Rating | Minimum Ordering Quantity (No.) | Reference      | Unit MRP [₹] |
|---|-------------|---------------------------------|----------------|--------------|
| <b>EasyLogic PFC+</b>                   |             |                                 |                |              |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 6.7         |                                 | MEHVCPDY067A48 | 6580         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 11.3        |                                 | MEHVCPDY113A48 | 6680         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 12.5        |                                 | MEHVCPDY125A48 | 6730         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 14.4        |                                 | MEHVCPDY144A48 | 7011         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 15.5        |                                 | MEHVCPDY155A48 | 7544         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 17          |                                 | MEHVCPDY170A48 | 8278         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 22.4        |                                 | MEHVCPDY224A48 | 10906        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 25          |                                 | MEHVCPDY250A48 | 12173        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 28.1        |                                 | MEHVCPDY281A48 | 13604        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 480V | 31.5        |                                 | MEHVCPDY315A48 | 15324        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 12.5        |                                 | MEHVCPDY125A52 | 6083         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 15.4        |                                 | MEHVCPDY154A52 | 7493         |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 20.6        |                                 | MEHVCPDY206A52 | 10024        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 25          |                                 | MEHVCPDY250A52 | 12115        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 27.5        |                                 | MEHVCPDY275A52 | 13388        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 30.6        |                                 | MEHVCPDY306A52 | 14896        |
| MPP-EasyLogic™ H Duty Can 3Ph 50Hz 525V | 33.1        |                                 | MEHVCPDY331A52 | 16099        |



# VarPlus Box Xtreme

## Built to perform in Xtreme conditions

- Designed for 60°C, offers upto 60% more life than products designed at 55°C
- Tested to perform upto 150,000 hrs life in standard operating conditions
- Xtreme inrush withstand of upto 350 x In
- Designed to work in Xtreme environments



[se.com/in](https://se.com/in)

# Power Factor Correction Products



## VarPlus Can

- **Performance:** High performance and flexibility
- **Offer configuration:** Available in three configurations as FastOn, Clampbite and Stud Offer
- **Product range:** 1-50 kvar from 440V-525V
- **Product compliance:** IEC 60831 Part 1-2014 and 2 -2014 compliant, **BIS Certified**, CE, CQC, UL, ASTA, Rohs and Green Premium
- **Type tested:** From LCIE France and ASTA Intertek
- **Temperature class:** Class D (+55°C for VarPlus Can)
- **Reliability:** Self healing, unique 3-phase disconnection mechanism with pressure sensitive disconnection (PSD)
- **Safety:** Tamper-proof discharge resistor, IP20 for FastOn and Clampbite offer
- **Robust design:** Al Can for casing, hermetically sealed, resin as coolant - better than gas
- **Enhanced life:** 130K hours with better current handling capacity due to wave cut films with slope metalization

## Can (Cylindrical) Type 440V Capacitors

| Description   | kVAr Rating | Minimum Ordering Quantity (No.) | Reference      | Unit MRP |
|---|-------------|---------------------------------|----------------|----------|
| <b>EasyCan (S Duty) 440V Range</b>                                    |             |                                 |                |          |
| MPP - Standard Duty Can 3Ph 1kVAr 440V 50Hz                           | 1           | 3                               | MEHVCSDY010A44 | 713      |
| MPP - Standard Duty Can 3Ph 2kVAr 440V 50Hz                           | 2           | 3                               | MEHVCSDY020A44 | 991      |
| MPP - Standard Duty Can 3Ph 3kVAr 440V 50Hz                           | 3           | 3                               | MEHVCSDY030A44 | 1487     |
| MPP - Standard Duty Can 3Ph 4kVAr 440V 50Hz                           | 4           | 3                               | MEHVCSDY040A44 | 1984     |
| MPP - Standard Duty Can 3Ph 5kVAr 440V 50Hz                           | 5           | 3                               | MEHVCSDY050A44 | 2030     |
| MPP - Standard Duty Can 3Ph 7.5kVAr 440V 50Hz                         | 7.5         | 3                               | MEHVCSDY075A44 | 2841     |
| MPP - Standard Duty Can 3Ph 10kVAr 440V 50Hz                          | 10          | 1                               | MEHVCSDY100A44 | 3320     |
| MPP - Standard Duty Can 3Ph 12.5kVAr 440V 50Hz                        | 12.5        | 1                               | MEHVCSDY125A44 | 4148     |
| MPP - Standard Duty Can 3Ph 15kVAr 440V 50Hz                          | 15          | 1                               | MEHVCSDY150A44 | 4974     |
| MPP - Standard Duty Can 3Ph 20kVAr 440V 50Hz                          | 20          | 1                               | MEHVCSDY200A44 | 6634     |
| MPP - Standard Duty Can 3Ph 25kVAr 440V 50Hz                          | 25          | 1                               | MEHVCSDY250A44 | 8294     |
| <b>VarPlus Can (H Duty) 440V Range</b>                                |             |                                 |                |          |
| MPP - Heavy Duty Can 3Ph 1kVAr 440V 50Hz                              | 1           | 3                               | MEHVCHDY010A44 | 887      |
| MPP - Heavy Duty Can 3Ph 2kVAr 440V 50Hz                              | 2           | 3                               | MEHVCHDY020A44 | 1390     |
| MPP - Heavy Duty Can 3Ph 3kVAr 440V 50Hz                              | 3           | 3                               | MEHVCHDY030A44 | 2088     |
| MPP - Heavy Duty Can 3Ph 4kVAr 440V 50Hz                              | 4           | 3                               | MEHVCHDY040A44 | 2781     |
| MPP - Heavy Duty Can 3Ph 5kVAr 440V 50Hz                              | 5           | 3                               | MEHVCHDY050A44 | 2888     |
| MPP - Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz                            | 7.5         | 3                               | MEHVCHDY075A44 | 4233     |
| MPP - Heavy Duty Can 3Ph 10kVAr 440V 50Hz                             | 10          | 1                               | MEHVCHDY100A44 | 5268     |
| MPP - Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz                           | 12.5        | 1                               | MEHVCHDY125A44 | 6617     |
| MPP - Heavy Duty Can 3Ph 15kVAr 440V 50Hz                             | 15          | 1                               | MEHVCHDY150A44 | 7900     |
| MPP - Heavy Duty Can 3Ph 20kVAr 440V 50Hz                             | 20          | 1                               | MEHVCHDY200A44 | 10536    |
| MPP - Heavy Duty Can 3Ph 25kVAr 440V 50Hz                             | 25          | 1                               | MEHVCHDY250A44 | 13168    |
| MPP - Heavy Duty Can 3Ph 30kVAr 440V 50Hz                             | 30          | 1                               | MEHVCHDY300A44 | 15876    |
| MPP - Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00)     | 40          | 1                               | MEHVCHDY400A44 | 20623    |
| MPP - Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00)     | 50          | 1                               | MEHVCHDY500A44 | 25659    |
| <b>VarPlus Can (GH Duty) 440V Range</b>                               |             |                                 |                |          |
| MPP - Gas Heavy Duty Can 3Ph 5kVAr 440V 50Hz                          | 5           | 3                               | MEHVCGSF050A44 | 2923     |
| MPP - Gas Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz                        | 7.5         | 3                               | MEHVCGSF075A44 | 4381     |
| MPP - Gas Heavy Duty Can 3Ph 10kVAr 440V 50Hz                         | 10          | 1                               | MEHVCGSF100A44 | 5403     |
| MPP - Gas Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz                       | 12.5        | 1                               | MEHVCGSF125A44 | 6751     |
| MPP - Gas Heavy Duty Can 3Ph 15kVAr 440V 50Hz                         | 15          | 1                               | MEHVCGSF150A44 | 8098     |
| MPP - Gas Heavy Duty Can 3Ph 20kVAr 440V 50Hz                         | 20          | 1                               | MEHVCGSF200A44 | 10790    |
| MPP - Gas Heavy Duty Can 3Ph 25kVAr 440V 50Hz                         | 25          | 1                               | MEHVCGSF250A44 | 13501    |
| MPP - Gas Heavy Duty Can 3Ph 30kVAr 440V 50Hz                         | 30          | 1                               | MEHVCGSF300A44 | 16194    |
| MPP - Gas Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00) | 40          | 1                               | MEHVCGSF400A44 | 20965    |
| MPP - Gas Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00) | 50          | 1                               | MEHVCGSF500A44 | 26201    |

# Power Factor Correction Products



## VarPlus Box

- **Performance:** High performance and flexibility
- **Product range:** 5-50 kvar from 440V-525V
- **Product compliance:** IEC 60831 Part 1-2014 and 2 -2014 compliant, **BIS Certified**, CE, CQC, UL, ASTA, Rohs and Green Premium
- **Type tested:** From LCIE France and ASTA Intertek
- **Temperature class:** +50°C for VarPlus Box APP, Class D (60°C for VarPlus Xtreme Box, 70°C for MD-XL)
- **Reliability:** Self healing, unique 3-phase disconnection mechanism with pressure sensitive disconnection (PSD)
- **Robust design:** Steel enclosure, resin as coolant - better than gas
- **Enhanced life:** 150K hours with better current handling capacity due to wave cut films with slope metalization

## Box (Square) Type 440V Capacitors

| Description  | kVAr Rating | Minimum Ordering Quantity (No.) | Reference  | Unit MRP [₹] |
|--|-------------|---------------------------------|--|--------------|
| <b>VarPlus Box Xtreme H Duty 440V Range</b>          |             |                                 |  |              |
| MPP - Xtreme Heavy Duty Box 3Ph 5kVAr 440V 50Hz      | 5           | 1                               | MEHVBHDY050A44 <input checked="" type="checkbox"/> | 3878         |
| MPP - Xtreme Heavy Duty Box 3Ph 7.5kVAr 440V 50Hz    | 7.5         | 1                               | MEHVBHDY075A44                                     | 5813         |
| MPP - Xtreme Heavy Duty Box Box 3Ph 10kVAr 440V 50Hz | 10          | 1                               | MEHVBHDY100A44 <input checked="" type="checkbox"/> | 6652         |
| MPP - Xtreme Heavy Duty Box 3Ph 12.5kVAr 440V 50Hz   | 12.5        | 1                               | MEHVBHDY125A44                                     | 8288         |
| MPP - Xtreme Heavy Duty Box 3Ph 15kVAr 440V 50Hz     | 15          | 1                               | MEHVBHDY150A44 <input checked="" type="checkbox"/> | 9946         |
| MPP - Xtreme Heavy Duty Box 3Ph 20kVAr 440V 50Hz     | 20          | 1                               | MEHVBHDY200A44 <input checked="" type="checkbox"/> | 13323        |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 440V 50Hz     | 25          | 1                               | MEHVBHDY250A44 <input checked="" type="checkbox"/> | 16655        |
| MPP - Xtreme Heavy Duty Box 3Ph 30kVAr 440V 50Hz     | 30          | 1                               | MEHVBHDY300A44                                     | 19888        |
| <b>VarPlus Box APP 440V Range</b>                    |             |                                 |  |              |
| APP - Box 3Ph 5kVAr 440V 50Hz                        | 5           | 1                               | MEHVBAPP050A44                                     | 5305         |
| APP - Box 3Ph 7.5kVAr 440V 50Hz                      | 7.5         | 1                               | MEHVBAPP075A44                                     | 7960         |
| APP - Box 3Ph 10kVAr 440V 50Hz                       | 10          | 1                               | MEHVBAPP100A44                                     | 9309         |
| APP - Box 3Ph 12.5kVAr 440V 50Hz                     | 12.5        | 1                               | MEHVBAPP125A44                                     | 11640        |
| APP - Box 3Ph 15kVAr 440V 50Hz                       | 15          | 1                               | MEHVBAPP150A44                                     | 13968        |
| APP - Box 3Ph 20kVAr 440V 50Hz                       | 20          | 1                               | MEHVBAPP200A44                                     | 18624        |
| APP - Box 3Ph 25kVAr 440V 50Hz                       | 25          | 1                               | MEHVBAPP250A44                                     | 23282        |
| APP - Box 3Ph 30kVAr 440V 50Hz                       | 30          | 1                               | MEHVBAPP300A44                                     | 27986        |

# Power Factor Correction Products



## Detuned Filter Application Capacitors

| Description   | kVAr Rating | Minimum Ordering Quantity (No.) | Reference      | Unit MRP |
|---|-------------|---------------------------------|----------------|----------|
| <b>* Capacitors for 7%/5.7% , 440V Detuned Filter Application</b> |             |                                 |                |          |
| <b>VarPlus Can (H Duty) 480V Range</b>                            |             |                                 |                |          |
| MPP - Heavy Duty Can 3Ph 5.6kVAr 480V 50Hz                        | 5.6         | 1                               | MEHVCHDY056A48 | 3158     |
| MPP - Heavy Duty Can 3Ph 6.7kVAr 480V 50Hz                        | 6.7         | 1                               | MEHVCHDY067A48 | 3779     |
| MPP - Heavy Duty Can 3Ph 11.3kVAr 480V 50Hz                       | 11.3        | 1                               | MEHVCHDY113A48 | 5973     |
| MPP - Heavy Duty Can 3Ph 12.5kVAr 480V 50Hz                       | 12.5        | 1                               | MEHVCHDY125A48 | 6609     |
| MPP - Heavy Duty Can 3Ph 14.4kVAr 480V 50Hz                       | 14.4        | 1                               | MEHVCHDY144A48 | 7620     |
| MPP - Heavy Duty Can 3Ph 15.5kVAr 480V 50Hz                       | 15.5        | 1                               | MEHVCHDY155A48 | 8201     |
| MPP - Heavy Duty Can 3Ph 17kVAr 480V 50Hz                         | 17          | 1                               | MEHVCHDY170A48 | 8998     |
| MPP - Heavy Duty Can 3Ph 19kVAr 480V 50Hz                         | 19          | 1                               | MEHVCHDY190A48 | 10057    |
| MPP - Heavy Duty Can 3Ph 22.4kVAr 480V 50Hz                       | 22.4        | 1                               | MEHVCHDY224A48 | 11854    |
| MPP - Heavy Duty Can 3Ph 25kVAr 480V 50Hz                         | 25          | 1                               | MEHVCHDY250A48 | 13232    |
| MPP - Heavy Duty Can 3Ph 28.1kVAr 480V 50Hz                       | 28.1        | 1                               | MEHVCHDY281A48 | 14787    |
| MPP - Heavy Duty Can 3Ph 31.5kVAr 480V 50Hz                       | 31.5        | 1                               | MEHVCHDY315A48 | 16656    |
| <b>VarPlus Can (GH Duty) 480V Range</b>                           |             |                                 |                |          |
| MPP - GasHeavy Duty Can 3Ph 5.6kVAr 480V 50Hz                     | 5.6         | 1                               | MEHVCGSF056A48 | 3272     |
| MPP - GasHeavy Duty Can 3Ph 6.7kVAr 480V 50Hz                     | 6.7         | 1                               | MEHVCGSF067A48 | 3915     |
| MPP - GasHeavy Duty Can 3Ph 11.3kVAr 480V 50Hz                    | 11.3        | 1                               | MEHVCGSF113A48 | 6099     |
| MPP - GasHeavy Duty Can 3Ph 12.5kVAr 480V 50Hz                    | 12.5        | 1                               | MEHVCGSF125A48 | 6746     |
| MPP - GasHeavy Duty Can 3Ph 14.4kVAr 480V 50Hz                    | 14.4        | 1                               | MEHVCGSF144A48 | 7798     |
| MPP - GasHeavy Duty Can 3Ph 15.5kVAr 480V 50Hz                    | 15.5        | 1                               | MEHVCGSF155A48 | 8367     |
| MPP - GasHeavy Duty Can 3Ph 17kVAr 480V 50Hz                      | 17          | 1                               | MEHVCGSF170A48 | 9177     |
| MPP - GasHeavy Duty Can 3Ph 22.4kVAr 480V 50Hz                    | 22.4        | 1                               | MEHVCGSF224A48 | 12090    |
| MPP - GasHeavy Duty Can 3Ph 25kVAr 480V 50Hz                      | 25          | 1                               | MEHVCGSF250A48 | 13493    |
| MPP - GasHeavy Duty Can 3Ph 28.1kVAr 480V 50Hz                    | 28.1        | 1                               | MEHVCGSF281A48 | 15223    |
| MPP - GasHeavy Duty Can 3Ph 31.5kVAr 480V 50Hz                    | 31.5        | 1                               | MEHVCGSF315A48 | 17066    |
| <b>VarPlus Box Xtreme H Duty 480V Range</b>                       |             |                                 |                |          |
| MPP - Xtreme Heavy Duty Box 3Ph 5.6kVAr 480V 50Hz                 | 5.6         | 1                               | MEHVBHDY056A48 | 4341     |
| MPP - Xtreme Heavy Duty Box 3Ph 11.3kVAr 480V 50Hz                | 11.3        | 1                               | MEHVBHDY113A48 | 7491     |
| MPP - Xtreme Heavy Duty Box 3Ph 14.4kVAr 480V 50Hz                | 14.4        | 1                               | MEHVBHDY144A48 | 9596     |
| MPP - Xtreme Heavy Duty Box 3Ph 17kVAr 480V 50Hz                  | 17          | 1                               | MEHVBHDY170A48 | 11265    |
| MPP - Xtreme Heavy Duty Box 3Ph 22.4kVAr 480V 50Hz                | 22.4        | 1                               | MEHVBHDY224A48 | 14788    |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 480V 50Hz                  | 25          | 1                               | MEHVBHDY250A48 | 16511    |
| MPP - Xtreme Heavy Duty Box 3Ph 28.1kVAr 480V 50Hz                | 28.1        | 1                               | MEHVBHDY281A48 | 18645    |
| MPP - Xtreme Heavy Duty Box 3Ph 31.5kVAr 480V 50Hz                | 31.5        | 1                               | MEHVBHDY315A48 | 20798    |

\* Refer to Selection chart for Reactors & Capacitors available on page 16

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Power Factor Correction Products



## Detuned Filter Application Capacitors

| Description   | kVAR Rating | Minimum Ordering Quantity (No.) | Reference       | Unit MRP |
|---|-------------|---------------------------------|-----------------|----------|
| <b>VarPlus Box APP 480V Range</b>                               |             |                                 |                 |          |
| APP - Box 3Ph 5.6kVAR 480V 50Hz                                 | 5.6         | 1                               | MEHVBAP P056A48 | 5934     |
| APP - Box 3Ph 11.3kVAR 480V 50Hz                                | 11.3        | 1                               | MEHVBAPP113A48  | 10537    |
| APP - Box 3Ph 14.4kVAR 480V 50Hz                                | 14.4        | 1                               | MEHVBAPP144A48  | 13428    |
| APP - Box 3Ph 15.5kVAR 480V 50Hz                                | 15.5        | 1                               | MEHVBAPP155A48  | 14436    |
| APP - Box 3Ph 17kVAR 480V 50Hz                                  | 17          | 1                               | MEHVBAPP170A48  | 15872    |
| APP - Box 3Ph 22.4kVAR 480V 50Hz                                | 22.4        | 1                               | MEHVBAPP224A48  | 20913    |
| APP - Box 3Ph 25kVAR 480V 50Hz                                  | 25          | 1                               | MEHVBAPP250A48  | 23286    |
| APP - Box 3Ph 28.1kVAR 480V 50Hz                                | 28.1        | 1                               | MEHVBAPP281A48  | 26170    |
| APP - Box 3Ph 31.5kVAR 480V 50Hz                                | 31.5        | 1                               | MEHVBAPP315A48  | 29339    |
| <b>* Capacitors for 7%/ 5.7%/ 14% , 440V Filter Application</b> |             |                                 |                 |          |
| <b>VarPlus Can (H Duty) 525V Range</b>                          |             |                                 |                 |          |
| MPP - Heavy Duty Can 3Ph 6.9kVAR 525V 50Hz                      | 6.9         | 1                               | MEHVCHDY069A52  | 3896     |
| MPP - Heavy Duty Can 3Ph 12.5kVAR 525V 50Hz                     | 12.5        | 1                               | MEHVCHDY125A52  | 6612     |
| MPP - Heavy Duty Can 3Ph 13.8kVAR 525V 50Hz                     | 13.8        | 1                               | MEHVCHDY138A52  | 7301     |
| MPP - Heavy Duty Can 3Ph 15.4kVAR 525V 50Hz                     | 15.4        | 1                               | MEHVCHDY154A52  | 8145     |
| MPP - Heavy Duty Can 3Ph 17.2kVAR 525V 50Hz                     | 17.2        | 1                               | MEHVCHDY172A52  | 9100     |
| MPP - Heavy Duty Can 3Ph 18.5kVAR 525V 50Hz                     | 18.5        | 1                               | MEHVCHDY185A52  | 9786     |
| MPP - Heavy Duty Can 3Ph 20.6kVAR 525V 50Hz                     | 20.6        | 1                               | MEHVCHDY206A52  | 10896    |
| MPP - Heavy Duty Can 3Ph 25kVAR 525V 50Hz                       | 25          | 1                               | MEHVCHDY250A52  | 13168    |
| MPP - Heavy Duty Can 3Ph 27.5kVAR 525V 50Hz                     | 27.5        | 1                               | MEHVCHDY275A52  | 14553    |
| MPP - Heavy Duty Can 3Ph 30.6kVAR 525V 50Hz                     | 30.6        | 1                               | MEHVCHDY306A52  | 16191    |
| MPP - Heavy Duty Can 3Ph 33.1kVAR 525V 50Hz                     | 33.1        | 1                               | MEHVCHDY331A52  | 17499    |
| MPP-Heavy Duty Can 3Ph 37.7 kVAR 525V 50Hz                      | 37.7        | 1                               | MEHVCHDY377A52  | 19929    |
| <b>VarPlus Can (GH Duty) 525V Range</b>                         |             |                                 |                 |          |
| MPP - GasHeavy Duty Can 3Ph 6.9kVAR 525V 50Hz                   | 6.9         | 1                               | MEHVCGSF069A52  | 4042     |
| MPP - GasHeavy Duty Can 3Ph 12.5kVAR 525V 50Hz                  | 12.5        | 1                               | MEHVCGSF125A52  | 6769     |
| MPP - GasHeavy Duty Can 3Ph 13.8kVAR 525V 50Hz                  | 13.8        | 1                               | MEHVCGSF138A52  | 7472     |
| MPP - GasHeavy Duty Can 3Ph 20.6kVAR 525V 50Hz                  | 20.6        | 1                               | MEHVCGSF206A52  | 11166    |
| MPP - GasHeavy Duty Can 3Ph 25kVAR 525V50Hz                     | 25          | 1                               | MEHVCGSF250A52  | 13540    |
| MPP - GasHeavy Duty Can 3Ph 27.5kVAR 525V50Hz                   | 27.5        | 1                               | MEHVCGSF275A52  | 14908    |
| MPP - GasHeavy Duty Can 3Ph 30.6kVAR 525V50Hz                   | 30.6        | 1                               | MEHVCGSF306A52  | 16584    |
| MPP - GasHeavy Duty Can 3Ph 33.1kVAR 525V50Hz                   | 33.1        | 1                               | MEHVCGSF331A52  | 17942    |
| MPP - GasHeavy Duty Can 3Ph 37.7kVAR 525V50Hz                   | 37.7        | 1                               | MEHVCGSF377A52  | 20392    |

\* Refer to Selection chart for Reactors & Capacitors available on page 16



# Power Factor Correction Products



## Detuned Filter Application Capacitors

| Description   | kVAr Rating | Minimum Ordering Quantity (No.) | Reference      | Unit MRP |
|---|-------------|---------------------------------|----------------|----------|
| <b>VarPlus Box Xtreme H Duty 525V Range <span style="color: green; font-weight: bold;">New</span></b> |             |                                 |                |          |
| MPP - Xtreme Heavy Duty Box 3Ph 6.9kVAr 525V 50Hz   | 6.9         | 1                               | MEHVBHDY069A52 | 5375     |
| MPP - Xtreme Heavy Duty Box 3Ph 12.5kVAr 525V 50Hz  | 12.5        | 1                               | MEHVBHDY125A52 | 8259     |
| MPP - Xtreme Heavy Duty Box 3Ph 13.8kVAr 525V 50Hz  | 13.8        | 1                               | MEHVBHDY138A52 | 9134     |
| MPP - Xtreme Heavy Duty Box 3Ph 15.4kVAr 525V 50Hz  | 15.4        | 1                               | MEHVBHDY154A52 | 10194    |
| MPP - Xtreme Heavy Duty Box 3Ph 17.2kVAr 525V 50Hz  | 17.2        | 1                               | MEHVBHDY172A52 | 11491    |
| MPP - Xtreme Heavy Duty Box 3Ph 20.6kVAr 525V 50Hz  | 20.6        | 1                               | MEHVBHDY206A52 | 13637    |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 525V 50Hz  | 25          | 1                               | MEHVBHDY250A52 | 16573    |
| MPP - Xtreme Heavy Duty Box 3Ph 27.5kVAr 525V 50Hz  | 27.5        | 1                               | MEHVBHDY275A52 | 18221    |
| MPP - Xtreme Heavy Duty Box 3Ph 30.6kVAr 525V 50Hz  | 30.6        | 1                               | MEHVBHDY306A52 | 20211    |
| MPP - Xtreme Heavy Duty Box 3Ph 33.1kVAr 525V 50Hz  | 33.1        | 1                               | MEHVBHDY331A52 | 22042    |
| <b>VarPlus Box APP 525V Range</b>   |             |                                 |                |          |
| APP - Box 3Ph 6.9kVAr 525V 50Hz   | 6.9         | 1                               | MEHVBAPP069A52 | 7311     |
| APP - Box 3Ph 12.5kVAr 525V 50Hz  | 12.5        | 1                               | MEHVBAPP125A52 | 11641    |
| APP - Box 3Ph 13.8kVAr 525V 50Hz  | 13.8        | 1                               | MEHVBAPP138A52 | 12846    |
| APP - Box 3Ph 15.4kVAr 525V 50Hz  | 15.4        | 1                               | MEHVBAPP154A52 | 14337    |
| APP - Box 3Ph 20.6kVAr 525V 50Hz  | 20.6        | 1                               | MEHVBAPP206A52 | 19187    |
| APP - Box 3Ph 25kVAr 525V 50Hz  | 25          | 1                               | MEHVBAPP250A52 | 23288    |
| APP - Box 3Ph 27.5kVAr 525V 50Hz  | 27.5        | 1                               | MEHVBAPP275A52 | 25616    |
| APP - Box 3Ph 30.6kVAr 525V 50Hz  | 30.6        | 1                               | MEHVBAPP306A52 | 28515    |
| APP - Box 3Ph 33.1kVAr 525V 50Hz  | 33.1        | 1                               | MEHVBAPP331A52 | 30828    |
| APP - Box 3Ph 37.7kVAr 525V 50Hz  | 37.7        | 1                               | MEHVBAPP377A52 | 35131    |

Refer to Selection chart for Reactors & Capacitors available on page 16

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# VarPlus MAX Detuned Reactors

MAXimize Efficiency  
MAXimize Savings



[se.com/in](http://se.com/in)

# PFC - Detuned Reactors



## VarPlus Max Detuned Reactor

- **Performance:** Designed to operate at a stringent harmonic spectrum as per IEEE 519
- **Offer configuration:** 6.5 - 100 kvar, 440V
- **Product range:** Single footprint from 6.5 - 100 kvar
- **Product compliance:** Compliant to IEC 60076-6
- **Type tested:** Certified by CPRI
- **Temperature class:** Class H for insulation  $\leq 180^{\circ}\text{C}$
- **Reliability:** Conductor design, designed as per maximum permissible current ( $I_{mp}$ )
- **Safety:** Built-in thermal protection

## Detuned Reactor 440V Range

| Description   | kVAr Rating | Minimum Ordering Quantity (No.) | Reference     | Unit MRP |
|---|-------------|---------------------------------|---------------|----------|
| <b>VarPlus MAX Detuned Reactor 5.7%, 440V Range</b>     |             |                                 |               |          |
| VarPlus MAX AL Detuned reactor 20 kVAr 440V 5.7 % 50Hz  | 20          | 1                               | LVR05200A44LO | 29608    |
| VarPlus MAX AL Detuned reactor 25 kVAr 440V 5.7 % 50Hz  | 25          | 1                               | LVR05250A44LO | 30595    |
| VarPlus MAX AL Detuned reactor 50 kVAr 440V 5.7 % 50Hz  | 50          | 1                               | LVR05500A44LO | 45776    |
| VarPlus MAX AL Detuned reactor 100 kVAr 440V 5.7 % 50Hz | 100         | 1                               | LVR05X00A44LO | 91521    |
| <b>VarPlus MAX Detuned Reactor 7%, 440V Range</b>       |             |                                 |               |          |
| VarPlus MAX AL Detuned reactor 5 kVAr 440V 7% 50Hz      | 5           | 1                               | LVR07050A44LO | 13299    |
| VarPlus MAX AL Detuned reactor 10 kVAr 440V 7% 50Hz     | 10          | 1                               | LVR07100A44LO | 19220    |
| VarPlus MAX AL Detuned reactor 12.5 kVAr 440V 7% 50Hz   | 12.5        | 1                               | LVR07125A44LO | 21978    |
| VarPlus MAX AL Detuned reactor 15 kVAr 440V 7% 50Hz     | 15          | 1                               | LVR07150A44LO | 23305    |
| VarPlus MAX AL Detuned reactor 20 kVAr 440V 7% 50Hz     | 20          | 1                               | LVR07200A44LO | 24737    |
| VarPlus MAX AL Detuned reactor 25 kVAr 440V 7% 50Hz     | 25          | 1                               | LVR07250A44LO | 24746    |
| VarPlus MAX AL Detuned reactor 50 kVAr 440V 7% 50Hz     | 50          | 1                               | LVR07500A44LO | 38214    |
| VarPlus MAX AL Detuned reactor 75 kVAr 440V 7% 50Hz     | 75          | 1                               | LVR07750A44LO | 59603    |
| VarPlus MAX AL Detuned reactor 100 kVAr 440V 7% 50Hz    | 100         | 1                               | LVR07X00A44LO | 77203    |
| <b>VarPlus MAX Detuned Reactor 14%, 440V Range</b>      |             |                                 |               |          |
| VarPlus MAX AL Detuned reactor 10 kVAr 440V 14 % 50Hz   | 10          | 1                               | LVR14100A44LO | 20649    |
| VarPlus MAX AL Detuned reactor 15 kVAr 440V 14 % 50Hz   | 15          | 1                               | LVR14150A44LO | 30135    |
| VarPlus MAX AL Detuned reactor 25 kVAr 440V 14 % 50Hz   | 25          | 1                               | LVR14250A44LO | 37841    |
| VarPlus MAX AL Detuned reactor 50 kVAr 440V 14 % 50Hz   | 50          | 1                               | LVR14500A44LO | 63118    |
| VarPlus MAX AL Detuned reactor 100 kVAr 440V 14 % 50Hz  | 100         | 1                               | LVR14X00A44LO | 130526   |



# Introducing VarPlus MAX Copper Wound Reactors



[se.com/in](https://se.com/in)


# Copper Wound Detuned Reactor



## VarPlus Max Copper Detuned Reactors

- **MAXimize your selection**
  - Wide range available in Copper windings.
- **MAXimize your OPEX optimization**
  - Up to 30% lower losses to reduce your OPEX
- **MAXimize your thermal efficiency**
  - Up to 20% lower working temperatures
- **MAXimize your operational efficiency**
  - Design current up to 1.3 x Rated Current
  - Saturation current limit up to 2.0 x Rated Current
  - Designed for Harsh environments (Maximum voltage harmonic limit up to 9%)

## Copper Wound Detuned Reactor 440V Range

| Description   | kVAr Rating | Minimum Ordering Quantity (No.) | Reference     | Unit MRP  |
|---|-------------|---------------------------------|---------------|--|
| <b>Varplus Copper Detuned Reactor 7%, 440V Range</b>  |             |                                 |               |  |
| DetunedReactor CU 5kVAr 440V 7% 50Hz                  | 5           | 1                               | LVR07050A44CU | 16200  |
| DetunedReactor CU 10kVAr 440V 7% 50Hz                 | 10          | 1                               | LVR07100A44CU | 26468  |
| DetunedReactor CU 12.5kVAr 440V 7% 50Hz               | 12.5        | 1                               | LVR07125A44CU | 28147  |
| DetunedReactor CU 15kVAr 440V 7% 50Hz                 | 15          | 1                               | LVR07150A44CU | 32092  |
| DetunedReactor CU 20kVAr 440V 7% 50Hz                 | 20          | 1                               | LVR07200A44CU | 34065  |
| DetunedReactor CU 25kVAr 440V 7% 50Hz                 | 25          | 1                               | LVR07250A44CU | 39270  |
| DetunedReactor CU 50kVAr 440V 7% 50Hz                 | 50          | 1                               | LVR07500A44CU | 66790  |
| DetunedReactor CU 100kVAr 440V 7% 50Hz                | 100         | 1                               | LVR07X00A44CU | 122665   |
| <b>Varplus Copper Detuned Reactor 14%, 440V Range</b> |             |                                 |               |  |
| DetunedReactor CU 10kVAr 440V 14% 50Hz                | 10          | 1                               | LVR14100A44CU | 32333  |
| DetunedReactor CU 25kVAr 440V 14% 50Hz                | 25          | 1                               | LVR14250A44CU | 62897  |
| DetunedReactor CU 50kVAr 440V 14% 50Hz                | 50          | 1                               | LVR14500A44CU | 104914   |

# Selection of capacitor (kVAr & Voltage) for Detuned filter Application

| Effective kVAr output of Detuned Filter @ 440V | Selection of 480V capacitors for 7%/ 5.7% detuned Reactor for 440V | Selection of 525V capacitors for 7%/ 5.7% detuned Reactor for 440V | Selection of 525V capacitors for 14% detuned Reactor for 440V |
|--|--|--|---|
| 5  | 5kVAr 7%/5.7% Reactor + 5.6kVAr, 480V Capacitor                    | 5kVAr 7%/5.7% Reactor + 6.9kVAr, 525V Capacitor                    | 5kVAr 14% Reactor + 6.9kVAr, 525V Capacitor                   |
| 10   | 10kVAr 7%/5.7% Reactor + 11.3kVAr, 480V Capacitor                  | 10kVAr 7%/5.7% Reactor + 13.8kVAr, 525V Capacitor                  | 10kVAr 14% Reactor + 12.5kVAr, 525V Capacitor                 |
| 12.5   | 12.5kVAr 7%/5.7% Reactor + 14.4kVAr, 480V Capacitor                | 12.5kVAr 7%/5.7% Reactor + 17.2kVAr, 525V Capacitor                | 12.5kVAr 14% Reactor + 15.4kVAr, 525V Capacitor               |
| 15   | 15kVAr 7%/5.7% Reactor + 17kVAr, 480V Capacitor                    | 15kVAr 7%/5.7% Reactor + 20.6kVAr, 525V Capacitor                  | 15kVAr 14% Reactor + 18.5kVAr, 525V Capacitor                 |
| 20   | 20kVAr 7%/5.7% Reactor + 22.4kVAr, 480V Capacitor                  | 20kVAr 7%/5.7% Reactor + 27.5kVAr, 525V Capacitor                  | 20kVAr 14% Reactor + 25kVAr, 525V Capacitor                   |
| 25   | 25kVAr 7%/5.7% Reactor + 28.1kVAr, 480V Capacitor                  | 25kVAr 7%/5.7% Reactor + 33.1kVAr, 525V Capacitor                  | 25kVAr 14% Reactor + 30.6kVAr, 525V Capacitor                 |
| 50   | 50kVAr 7%/5.7% Reactor + 2 x 28.1kVAr, 480V Capacitor              | 50kVAr 7%/5.7% Reactor + 2 x 33.1kVAr, 525V Capacitor              | 50kVAr 14% Reactor + 2 x 30.6kVAr, 525V Capacitor             |
| 75   | 75kVAr 7%/5.7% Reactor + 3 x 28.1kVAr, 480V Capacitor              | 75kVAr 7%/5.7% Reactor + 3 x 33.1kVAr, 525V Capacitor              | 75kVAr 14% Reactor + 3 x 30.6kVAr, 525V Capacitor             |
| 100  | 100kVAr 7%/5.7% Reactor + 4 x 28.1kVAr, 480V Capacitor             | 100kVAr 7%/5.7% Reactor + 4 x 33.1kVAr, 525V Capacitor             | 100kVAr 14% Reactor + 4 x 30.6kVAr, 525V Capacitor            |

# VarPlus Logic APFC relay

- Automatic Initialization & sequence detection
- Measurement of Step kVAr & THDv up to 19th
- RS485 port as default feature
- 4 Quadrant measurement
- Dual Cos phi settings for two source operation




[se.com/in](https://se.com/in)

# Power Factor Correction Products



## APFC Relays

| Description  | No. of Step | Minimum Ordering Quantity (No.) | Reference                                  | Unit MRP  |
|--|-------------|---------------------------------|--|--|
| <b>Varlogic APFC Relays - Classic Range</b>                      |             |                                 |  |  |
| RT6 , 6 step, 440V, 5A   | 6           | 1                               | 51207 <input checked="" type="checkbox"/>  | 19792  |
| RT8 , 8 step, 440V, 5A   | 8           | 1                               | 51209 <input checked="" type="checkbox"/>  | 25653  |
| RT12 , 12 step, 440V, 5A   | 12          | 1                               | 51213 <input checked="" type="checkbox"/>  | 29762  |
| <b>VarPlus Logic APFC Relays - Advanced Range</b>                |             |                                 |  |  |
| VPL06, 6 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485  | 6           | 1                               | VPL06N <input checked="" type="checkbox"/> | 44090  |
| VPL12, 12 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485 | 12          | 1                               | VPL12N <input checked="" type="checkbox"/> | 47607  |





# PowerLogic™ DVR

Stabilize voltage and  
maximize reliability



• Reliability



• Efficiency



• Performance

[se.com/in](http://se.com/in)

# PowerLogic™ DVR




- Mitigates three-phase voltage sags up to -70% deep or single-phase interruptions
- Continuous regulation to offer high stabilization ( $\pm 1\%$ )
- Very high operational efficiency ( $> 98\%$ )
- Power ranges from 150 to 900 kVA
- Swell and overvoltage compensation up to + 20%
- High response speed ( $< 3$  milliseconds)
- Compensation of voltage dips even for longer times (up to 30 seconds)

## PowerLogic DVR 380/400/415 V, 50/60 Hz


| Sag Level | Rated Power (KVA) | By-Pass Rating (A) |                  | Commercial Reference Number |                 |     |                   | By-Pass |                  | Price |
|-----------|-------------------|--------------------|------------------|-----------------------------|-----------------|-----|-------------------|---------|------------------|-------|
|           |                   | By-Pass Rating     | Master Reference | Qty                         | Slave Reference | Qty | By-Pass Reference | Qty     |                  |       |
| 40%       | 150               | 630A               | DVR15040400      | X 1                         |                 |     | DVRBP630          | X 1     | Price on request |       |
|           | 220               | 630A               | DVR22040400      | X 1                         |                 |     | DVRBP630          | X 1     |                  |       |
|           | 300               | 630A               | DVR30040400      | X 1                         |                 |     | DVRBP630          | X 1     |                  |       |
|           | 440               | 1250A              | DVR44040400M     | X 1                         | DVR44040400S    | X 1 | DVRBP1250         | X 1     |                  |       |
|           | 500               | 1250A              | DVR50040400M     | X 1                         | DVR50040400S    | X 1 | DVRBP1250         | X 1     |                  |       |
|           | 600               | 1250A              | DVR60040400M     | X 1                         | DVR60040400S    | X 1 | DVRBP1250         | X 1     |                  |       |
|           | 750               | 2000A              | DVR75040400M     | X 1                         | DVR75040400S    | X 2 | DVRBP2000         | X 1     |                  |       |
| 50%       | 900               | 2000A              | DVR90040400M     | X 1                         | DVR90040400S    | X 2 | DVRBP2000         | X 1     |                  |       |
|           | 220               | 630A               | DVR22050400      | X 1                         |                 |     | DVRBP630          | X 1     |                  |       |
|           | 440               | 1250A              | DVR44050400M     | X 1                         | DVR44050400S    | X 1 | DVRBP1250         | X 1     |                  |       |
| 60%       | 660               | 2000A              | DVR66050400M     | X 1                         | DVR66050400S    | X 2 | DVRBP2000         | X 1     |                  |       |
|           | 150               | 630A               | DVR15060400      | X 1                         |                 | X 1 | DVRBP630          | X 1     |                  |       |
|           | 300               | 1250A              | DVR30060400M     | X 1                         | DVR30060400S    | X 1 | DVRBP1250         | X 1     |                  |       |
|           | 450               | 1250A              | DVR45060400M     | X 1                         | DVR45060400S    | X 2 | DVRBP1250         | X 1     |                  |       |







# Accusine PCS+

- All in one: Harmonics, PF, Load unbalance, Flicker
- Fully selectable harmonics: 2<sup>nd</sup> to 50<sup>th</sup>
- Flexible CT connection: Load side/ source side
- Suitable to work in Harsh environment including marine application
- Parallel connection up to 99 units - any combination of models
- Standards compliance / certification:  (UL508, CSA 22.2 No.14) CE Certified
- PCBA Protection - conformal coating on all PCBAs pollution Degree 2

## Industry segment

|   |   |   |   |   |  |
|---|---|---|---|---|--|
|  |  |  |  |  |  |
| Heavy Industry  | Oil & Gas (on/off shore)  | Marine  | Water Wastewater  | Processing plants   | Mining   |

## Infrastructure & Building segment

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| Nuclear plants  | Airport   | HVAC  | Healthcare  |

[se.com/in](http://se.com/in)



# Accusine PCSn

## Discover the new AccuSine PCSn

Your 3-phase + neutral active harmonic filter

Clean up your current

- Units design to work in high ambient temp up to 50 Deg C
- 3 Level IGBT to meet tough target requirements from Utilities
- 3-in-1 Harmonic Correction, PF improvement, Main current balancing



Building segment



Heavy  
Industry



Retail  
space



Healthcare



Hotel &  
Casino



Life sciences &  
University



Datacenter  
Cloud Farm

Industry segment



Light  
Industry



Food &  
Beverage

[se.com/in](https://se.com/in)

# Active Harmonic Filtering Solutions

## AccuSine PCS+



- 3 Ph, 3 wire connection
- From 208V to 690V supply
- Parallel connection up to 99 units - any combination of models
- Harmonic cancellation spectrum from 2nd to 50th harmonic order
- Load balancing of source current
- DPF correction
- Can be used with PF capacitors as Hybrid VAR compensation (HVC) system

### Accusine PCS+

| Description                                  | AMPS | Minimum Ordering Quantity (No.) | Reference     | Unit MRP   |
|--|------|---------------------------------|---------------|------------|
| <b>AccuSine PCS+</b>                         |      |                                 |               |            |
| AccuSine PCS+ 60A 380V- 480V 50- 60Hz IP31   | 60   | 1                               | PCSP060D5IP31 | On Request |
| AccuSine PCS+ 120A 380V - 480V 50- 60Hz IP31 | 120  | 1                               | PCSP120D5IP31 | On Request |
| AccuSine PCS+ 200A 380V- 480V 50- 60Hz IP31  | 200  | 1                               | PCSP200D5IP31 | On Request |
| AccuSine PCS+ 300A 380V- 480V 50- 60Hz IP31  | 300  | 1                               | PCSP300D5IP31 | On Request |
| <b>AccuSine PCS+ IP54</b>                    |      |                                 |               |            |
| AccuSine PCS+ 60A 380V-480V 50- 60Hz IP54    | 60   | 1                               | PCSP060D5IP54 | On Request |
| AccuSine PCS+ 120A 380V-480V 50- 60Hz IP54   | 120  | 1                               | PCSP120D5IP54 | On Request |
| AccuSine PCS+ 200A 380V- 480V 50- 60Hz IP54  | 200  | 1                               | PCSP200D5IP54 | On Request |
| AccuSine PCS+ 300A 380V- 480V 50- 60Hz IP54  | 300  | 1                               | PCSP300D5IP54 | On Request |

Note: Active Harmonic Filter prices On Request

## AccuSine PCSn



- Clean up your current
- Units design to work in high ambient temp up to 50 Deg C
  - 3 Level IGBT to meet tough target requirements from Utilities
  - 3-in-1 Harmonic Correction, PF improvement, Main current balancing

### AccuSine PCSn

| Description   | AMPS | Minimum Ordering Quantity (No.) | Reference      | Unit MRP   |
|---|------|---------------------------------|----------------|------------|
| <b>AccuSine PCSn</b>  |      |                                 |                |            |
| AccuSine PCSn 30A 208-415Vac 3ph+N chassis IP00                     | 30   | 1                               | PCSN030Y4CH00  | On Request |
| AccuSine PCSn 60A 208-415Vac 3ph+N chassis IP00                     | 60   | 1                               | PCSN060Y4CH00  | On Request |
| AccuSine PCSn 60A 208-415Vac 3ph+N chassis IP00 expansion module    | 60   | 1                               | PCSN060Y4CH00E | On Request |
| AccuSine PCSn 30A 208-415Vac 3ph+N wall mount IP20                  | 30   | 1                               | PCSN030Y4W20   | On Request |
| AccuSine PCSn 60A 208-415Vac 3ph+N wall mount IP20                  | 60   | 1                               | PCSN060Y4W20   | On Request |
| AccuSine PCSn 60A 208-415Vac 3ph+N wall mount IP20 expansion module | 60   | 1                               | PCSN060Y4W20E  | On Request |
| AccuSine PCSn 30A 208-415Vac 3ph+N rack mount 19"                   | 30   | 1                               | PCSN030Y4R19   | On Request |
| AccuSine PCSn 60A 208-415Vac 3ph+N rack mount 19"                   | 60   | 1                               | PCSN060Y4R19   | On Request |
| AccuSine PCSn 60A 208-415Vac 3ph+N rack mount 19" expansion module  | 60   | 1                               | PCSN060Y4R19E  | On Request |

Note: Active Harmonic Filter prices On Request



Go  
**DIGITAL**  
with your  
power factor correction



PowerLogic™ VarSet Smart: A new, IoT-connected innovation for realtime power factor control

#WhatsYourBoldIdea

[se.com/in](https://se.com/in)



# Digitize your power factor correction

## PowerLogic™ VarSet Smart



Every electrical network can benefit from power factor correction. It's the fastest way to save money and improve energy efficiency

An EcoStruxure™-ready VarSet Smart solution provides industry-leading diagnostics and IoT connectivity for superior performance monitoring and optimized maintenance.

### Energy efficiency

- Lower utility bills by avoiding power factor penalties, lowering demand charges
- Unlock extra system capacity to expand and serve additional loads
- Increase equipment performance and lifespan with improved voltage
- Reduce CO2 emissions with improved power efficiency

### Reliability and performance

- With smart controller, embedded environmental sensors and energy gateway server
- Notify when problems are detected or maintenance is needed
- Self-monitoring and ready to connect to any system

### Built to the highest standards

- Save time and effort with easy capacitor bank configuration selection and installation
- Tested and certified according to IEC 61439-1 & 2 and IEC 61921
- Engineered for safety and advanced performance
- Robust enclosure system with heavy-duty capacitors and detuned reactors
- Optimized for remote monitoring and preventative maintenance



Remote power factor monitoring center

# 12 months

return on investment\*

*\* Figures based on previous customer performance. Not a guarantee of performance in every case.*

# Power Factor Correction Equipment - VarSet



## Reliable

- > Achieves Target set PF
- > Reduces demand kVA
- > Eliminates PF Penalty
- > Specify what exactly it means
- > Fuel savings in DG

## Safe

- > Burst proof capacitors
- > Detuned Reactors- No Harmonic Amplification
- > Minimum switching transient

## Embedded Intelligence

- > Auto start, Auto detection, Auto polarity check, Auto c/k
- > Thermal intelligence
- > Harmonic intelligence
- > Asset management and performance
- > PQ Disturbance detection (Optional)

## Digitize

- > Flexible to move to connected world
- > Web page monitor facility through Schneider Gateway devices (Optional)
- > Seam less integration with PME, PSE

## Quality of construction

- > Compliance to and which Indian Standards
- > Stringent quality control measures
- > Best Engineering practices
- > Best thermal design for heat dissipation



ISO 9001 ISO 14001  
ISO 50001



IGBC Green building Standards  
Gold medal



IEC



RoHS  
ROHS



REACH



Indian Standards



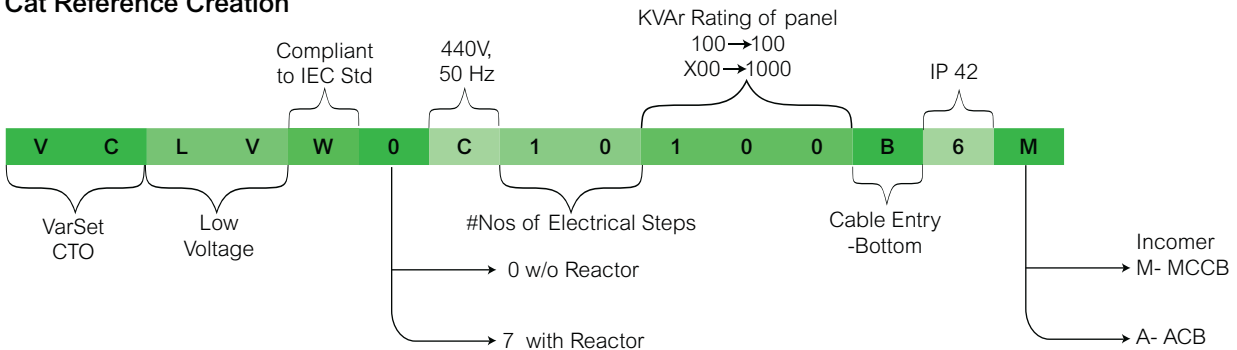
# Power Factor Correction Equipment - VarSet



VarSet LV APFC panels without reactors

| Pane Ratings        | Step Configuration in kVAR       | Cat Reference No. | Dimensions (in mm)<br>W x D x H | Unit MRP [₹] |
|---------------------|----------------------------------|-------------------|---------------------------------|--------------|
| <b>Incomer MCCB</b> |                                  |                   |                                 |              |
| 100                 | 3x10kVAR + 1x20kVAR + 1x50kVAR   | VCLVW0C10100B6M   | 800 x 800 x 2325                | On Request   |
| 125                 | 2x12.5kVAR + 2x25kVAR + 1x50kVAR | VCLVW0C10125B6M   | 800 x 800 x 2325                | On Request   |
| 150                 | 2x12.5kVAR + 1x25kVAR + 2x50kVAR | VCLVW0C12150B6M   | 800 x 800 x 2325                | On Request   |
| 200                 | 2x12.5kVAR + 1x25kVAR + 3x50kVAR | VCLVW0C16200B6M   | 800 x 800 x 2325                | On Request   |
| 250                 | 2x12.5kVAR + 1x25kVAR + 4x50kVAR | VCLVW0C20250B6M   | 1200 x 800 x 2325               | On Request   |
| 300                 | 2x12.5kVAR + 1x25kVAR + 5x50kVAR | VCLVW0C24300B6M   | 1200 x 800 x 2325               | On Request   |
| 350                 | 2x12.5kVAR + 1x25kVAR + 6x50kVAR | VCLVW0C28350B6M   | 1200 x 800 x 2325               | On Request   |
| 400                 | 2x25kVAR + 3x50kVAR + 2x100kVAR  | VCLVW0C16400B6M   | 1200 x 800 x 2325               | On Request   |
| 500                 | 2x25kVAR + 3x50kVAR + 3x100kVAR  | VCLVW0C20500B6M   | 1200 x 800 x 2325               | On Request   |
| <b>Incomer ACB</b>  |                                  |                   |                                 |              |
| 500                 | 2x25kVAR + 3x50kVAR + 3x100kVAR  | VCLVW0C20500B6A   | 1200 x 800 x 2325               | On Request   |
| 600                 | 2x25kVAR + 3x50kVAR + 4x100kVAR  | VCLVW0C24600B6A   | 1400 x 800 x 2325               | On Request   |
| 700                 | 2x25kVAR + 3x50kVAR + 5x100kVAR  | VCLVW0C28700B6A   | 1400 x 800 x 2325               | On Request   |
| 750                 | 2x25kVAR + 4x50kVAR + 5x100kVAR  | VCLVW0C30750B6A   | 1400 x 800 x 2325               | On Request   |
| 800                 | 2x25kVAR + 3x50kVAR + 6x100kVAR  | VCLVW0C32800B6A   | 2000 x 800 x 2325               | On Request   |
| 900                 | 2x25kVAR + 3x50kVAR + 7x100kVAR  | VCLVW0C36900B6A   | 2000 x 800 x 2325               | On Request   |
| 1000                | 2x25kVAR + 1x50kVAR + 9x100kVAR  | VCLVW0C40X00B6A   | 2000 x 800 x 2325               | On Request   |

## Cat Reference Creation



|  |   |   |  |
|--|---|---|--|
| <b>Product offer:</b><br>VarSet LV APFC panels with 7% / without Reactors<br><br>Ratings = 100kVAR to 1000kVAR<br>Capacitor = MPP HD Can 440/480V, with 3ph simultaneous PSD | <b>General Features:</b><br>System voltage = 440V<br>Frequency = 50Hz<br>Phase = 3<br>Design = Modular<br>IP = IP42<br>Switching = Random | <b>Incomer:</b><br>Upto 350kVAR = MCCB, 36kA<br>From 350 to 500kVAR = MCCB, 50kA<br>From 500 to 1000kVAR = ACB, 65kA<br>Step protection = MCCBs, 36kA | <b>Switching:</b><br>Capacitor duty Contactor - without Reactor design<br>Power Contactors - with Reactor design |
|--|---|---|--|

# Power Factor Correction Equipment - VarSet



## Branch Protection: MCCB

### > Branch Protection: MCCB

- Reduces thermal stresses on the electrical distribution network
- Unique electrical fault trip indication (SDE)



## Incomer: ACB/MCCB

### > Incomer: ACB/MCCB

- No derating upto 55°C as per IEC-60947 Part 1 & 2
- Fastest Breaking time <25ms



## Capacitor: LV Shunt MPP FILM

### > Capacitor: LV MPP film

- IEC 60831-1,2 Compliant
- Unique Pressure sensitive disconnecter
- Class D (+55degC)



## Detuned Reactor: Cu Wound

### > Detuned Reactor: Cu Wound

- Compliant to IEC 60076-6
- Class H insulation (180 °C)
- Inbuilt thermal protection



## APFC Controller: Varlogic RT/ VarPlus Logic VPL

### > APFC Controller: Varlogic RT/ VarPlus Logic VPL

- Most Intelligent PFC relay in market with 6, 8, 12 steps
- Ready to communicate with dedicated RS485 port



## VarSet LV APFC panels with 7% reactors

| Panel Ratings       | Step Configuration in kVAR       | Cat Reference No. | Dimensions (in mm)W x D x H | Unit MRP [₹] |
|---------------------|----------------------------------|-------------------|-----------------------------|--------------|
| <b>Incomer MCCB</b> |                                  |                   |                             |              |
| 100                 | 3x10kVAR + 1x20kVAR + 1x50kVAR   | VCLVW7C10100B6M   | 1200 x 800 x 2325           | On Request   |
| 125                 | 2x12.5kVAR + 2x25kVAR + 1x50kVAR | VCLVW7C10125B6M   | 1200 x 800 x 2325           | On Request   |
| 150                 | 2x12.5kVAR + 1x25kVAR + 2x50kVAR | VCLVW7C12150B6M   | 1200 x 800 x 2325           | On Request   |
| 200                 | 2x12.5kVAR + 1x25kVAR + 3x50kVAR | VCLVW7C16200B6M   | 1200 x 800 x 2325           | On Request   |
| 250                 | 2x12.5kVAR + 1x25kVAR + 4x50kVAR | VCLVW7C20250B6M   | 1800 x 800 x 2325           | On Request   |
| 300                 | 2x12.5kVAR + 1x25kVAR + 5x50kVAR | VCLVW7C24300B6M   | 1800 x 800 x 2325           | On Request   |
| 350                 | 2x12.5kVAR + 1x25kVAR + 6x50kVAR | VCLVW7C28350B6M   | 1800 x 800 x 2325           | On Request   |
| 400                 | 2x25kVAR + 3x50kVAR + 2x100kVAR  | VCLVW7C16400B6M   | 1800 x 800 x 2325           | On Request   |
| 500                 | 2x25kVAR + 3x50kVAR + 3x100kVAR  | VCLVW7C20500B6M   | 1800 x 800 x 2325           | On Request   |
| <b>Incomer ACB</b>  |                                  |                   |                             |              |
| 500                 | 2x25kVAR + 3x50kVAR + 3x100kVAR  | VCLVW7C20500B6A   | 1800 x 800 x 2325           | On Request   |
| 600                 | 2x25kVAR + 3x50kVAR + 4x100kVAR  | VCLVW7C24600B6A   | 2200 x 800 x 2325           | On Request   |
| 700                 | 2x25kVAR + 3x50kVAR + 5x100kVAR  | VCLVW7C28700B6A   | 2200 x 800 x 2325           | On Request   |
| 750                 | 2x25kVAR + 4x50kVAR + 5x100kVAR  | VCLVW7C30750B6A   | 2200 x 800 x 2325           | On Request   |
| 800                 | 2x25kVAR + 3x50kVAR + 6x100kVAR  | VCLVW7C32800B6A   | 3200 x 800 x 2325           | On Request   |
| 900                 | 2x25kVAR + 3x50kVAR + 7x100kVAR  | VCLVW7C36900B6A   | 3200 x 800 x 2325           | On Request   |
| 1000                | 2x25kVAR + 1x50kVAR + 9x100kVAR  | VCLVW7C40X00B6A   | 3200 x 800 x 2325           | On Request   |

Note:

VarSet prices will be On Request

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023







Life Is 

**Schneider**  
 Electric

## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurugram 122002 Haryana  
Tel.: ++91 124 6899000 Fax: ++91 124 4222036/037

**Ahmedabad**  
Schneider Electric India (P) Ltd.  
1506-1507, 15<sup>th</sup> Floor Shapth-5  
Opp.Karnavati Club, SG Highway,  
Ahmedabad, Gujarat - 380015  
Tel.: 079-66826701

**Coimbatore**  
Schneider Electric India (P) Ltd.  
Hanudev Info Tech Park, 6<sup>th</sup> Floor  
Unit No. Block-C, SF No. 558/2  
Udalyampalayam Road, Nava India  
Coimbatore - 641028

**Lucknow**  
Schneider Electric India (P) Ltd.  
Summit, Plot No. TCG 3/3  
6<sup>th</sup> Floor, 604A/B/C, Vibhuti Khand  
Gomti Nagar, Lucknow  
Uttar Pradesh - 226010  
Tel.: 0522-3500334

**Nashik**  
Schneider Electric India (P) Ltd.  
401, 4<sup>th</sup> Floor, Rishi Raj Towers  
Jehan Circle, Gangapur Road  
Nashik - 422013  
Tel.: 0253-2344333

**Bengaluru**  
Schneider Electric India (P) Ltd.  
No. 3/1, JP Techno Park  
Mezzanine Floor, Millers Tank Bund  
Road, Vasanth Nagar  
Bengaluru - 560052  
Tel.: 080-71481351

**Hyderabad**  
Schneider Electric India (P) Ltd.  
D.No. 1-8-271, # 401, Ashoka  
Bhoopal Chambers, SP Road  
Secunderabad - 500003  
Tel.: 040-67219500

**Ludhiana**  
Schneider Electric India (P) Ltd.  
SCO 23, 2nd Floor,  
Chandigarh Road, Sector 32  
Ludhiana, Punjab -141010  
Tel.: 0161- 5203011

**New Delhi**  
Schneider Electric India (P) Ltd.  
C-56, Mayapuri Industrial Area, Phase-2  
New Delhi - 110064  
Tel.: 011-61317400

**Bhubaneswar**  
Schneider Electric India (P) Ltd.  
Workloop Co-Working in the property Of-  
fice No. 316, Esplanade One Mall  
Rasulgarh, Bhubaneswar - 751010

**Indore**  
Schneider Electric India (P) Ltd.  
219, Dhan Trident Building  
Vijay Nagar, A.B.Road  
Indore - 452001

**Mohali**  
Schneider Electric India (P) Ltd.  
2nd Floor, Tower-A  
Bestech Business Tower  
Mega Information & Technology Park  
Industrial Plot No.1, Phase IX  
(Expansion), Mohali - 160059  
Tel.: 0172-7198200

**Pune**  
Schneider Electric India (P) Ltd.  
Amar Caliber, CTS No 911, BMCC Road,  
OFF FC. Road, Deccan Gymkhana,  
Shivaji Nagar, Pune - 411007  
Tel.: 020-67492500

**Chennai**  
Schneider Electric India (P) Ltd.  
No: 29, 2<sup>nd</sup> Floor,  
Bannari Amman Towers, B-Block  
Dr. Radhakrishnan Road, Mylapore  
Chennai - 600 004  
Tel.:044-71912000

**Jaipur**  
Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309  
3<sup>rd</sup> Floor, Sangam Tower 190  
Church Road, Jaipur - 302001  
Tel.: 0141-2374810

**Mumbai**  
Schneider Electric India (P)( Ltd)  
Marwah House, 2<sup>nd</sup> Floor  
Krishanlal Marwah Marg  
Andheri (East), Mumbai - 400072  
Tel.: 022-62280000

**Vadodara**  
Schneider Electric India (P) Ltd.  
Notus IT Park, 10<sup>th</sup> Floor, Block-D  
Sarabhai Campus, Vadiwadi  
Vadodara, Gujarat - 390017

**Cochin**  
Schneider Electric India (P) Ltd.  
Alapatt Properties Private Limited  
(Trade Name : Centre A)  
Main Door Number : 66/4971  
(Old Door Number: 40/6584-H)  
7<sup>th</sup> Floor Alapatt Heritage Building  
MG Road Kochi - 682035

**Kolkata**  
Schneider Electric (I)Pvt.Ltd,  
BP-4, Sector-V, Technopolis  
3<sup>rd</sup> Floor, Salt Lake City  
Kolkata - 700 091  
Tel.: 033-66576400

**Nagpur**  
Schneider Electric India (P) Ltd.  
6, Vasant Vihar Complex  
W.H.C Road, Shankar Nagar  
Nagpur - 440010  
Tel.: 0712-2558581

**Vishakhapatnam**  
Schneider Electric India (P) Ltd.  
D.N.10-1-43, 1<sup>st</sup> Floor  
Ratnam's Business Centre,  
Siripuram Fort, C.B.M.Compound  
Visakhapatnam - 530016  
Tel.: 0891-6675500

### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 419 4272, 1800 103 0011

Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

For more information, visit our website at: [www.se.com/in](http://www.se.com/in)

- All Prices are in Indian Rupees.
- Prices are subject to change without prior notice.
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice.
- Prices charged will be as prevailing on the date of dispatch.
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %
- Tax incidence on invoices is basis applicable GST rates.
- Invoice amount not to exceed MRP.
- Product pictures shown are for illustration purpose only, actual product may vary.

**Distributor**

Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE

Life Is On

**Schneider**  
Electric

 PriceList

# Power Monitoring Solutions Metering Products

With effect from January 30<sup>th</sup>, 2023



[se.com/in](https://se.com/in)





|  |           |
|--|-----------|
| <b>25 years of Power Monitoring Excellence</b> .....                             | <b>4</b>  |
| <b>1. Tailored Offers for Specific Applications and Segments</b> .....           | <b>7</b>  |
| 1.1 BCPM .....   | 7         |
| 1.2 Insulation Monitoring Devices .....  | 7         |
| <b>2. High Accuracy, Specialized Solutions - for MV/LV Distribution</b> .....    | <b>10</b> |
| 2.1 PowerLogic™ ION9000T <b>NEW</b> .....  | 10        |
| 2.2 PowerLogic™ ION9000 .....  | 10        |
| 2.3 PowerLogic™ ION 8650 .....   | 10        |
| 2.4 PowerLogic™ ION7400 .....  | 11        |
| 2.5 PowerLogic™ PM8000 Series .....  | 11        |
| <b>3. High Accuracy, Compact, Power Meters - for HV/MV/LV Distribution</b> ..... | <b>13</b> |
| 3.1 PowerLogic™ PM5000 Series Power Meters .....                                 | 13        |
| 3.2 Smart Demand Controller - EM7200 Series .....                                | 13        |
| 3.3 EasyLogic™ PM2000 Series .....   | 15        |
| <b>4. India's Most Sold Multifunction Meters</b> .....                           | <b>17</b> |
| 4.1 EasyLogic™ EM6400NG+ Series, The Next Generation Workhorse .....             | 17        |
| <b>5. India's Most Trusted, Reliable and Accurate Load Managers</b> .....        | <b>17</b> |
| 5.1 Hexa Series EM64XXH and PM1130H Meters .....                                 | 17        |
| 5.2 Hexa Series LCD Range: OEM Specialized applications .....                    | 18        |
| 5.3 Hexa Series PM112XH Series .....   | 20        |
| <b>6. PowerTag - World's Smallest Energy Sensor</b> .....                        | <b>22</b> |
| 6.1 PowerTag for MCB .....   | 22        |
| 6.2 PowerTag for MCCB .....  | 22        |
| 6.3 Smartlink .....  | 23        |
| 6.4 Communication Auxiliaries .....  | 23        |
| <b>7. DIN Rail Mount Meters - Accurate, Flexible Power Meters</b> .....          | <b>24</b> |
| 7.1 PowerLogic™ PM3200 Series CI 0.5S Power Meters MV / LV Distribution .....    | 24        |
| 7.2 PowerLogic™ iEM3000 Series Class Meters - LV Distribution .....              | 24        |
| <b>8. Ethernet Communication Gateways</b> .....                                  | <b>27</b> |
| 8.1 Ethernet Communication Gateway Server / Converters .....                     | 27        |
| 8.2 Accessories for Power Monitoring <b>NEW</b> .....                            | 27        |
| <b>9. Specialized Small Form Factor Meters - ELF Series</b> .....                | <b>28</b> |
| 9.1 ELF32xx Series - VAF, Power & Energy Meters .....                            | 28        |
| <b>10. LCD Display Energy Meters &amp; VAF+PF Meters</b> .....                   | <b>28</b> |
| 10.1 EasyLogic™ EM1000 / EasyLogic™ EM1200 Series .....                          | 28        |
| 10.2 EasyLogic™ DM 6100 Series – VAF, PF Meters .....                            | 28        |
| <b>11. CE compliance - Volt/Amp/ frequency meter</b> .....                       | <b>29</b> |
| 11.1 EasyLogic™ DM3000 / DM1000 .....  | 29        |
| <b>12. Just the Basics - Voltage / Ampere / Frequency Meters</b> .....           | <b>29</b> |
| 12.1 EasyLogic™ DM3000 / DM1000 .....  | 29        |

Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE

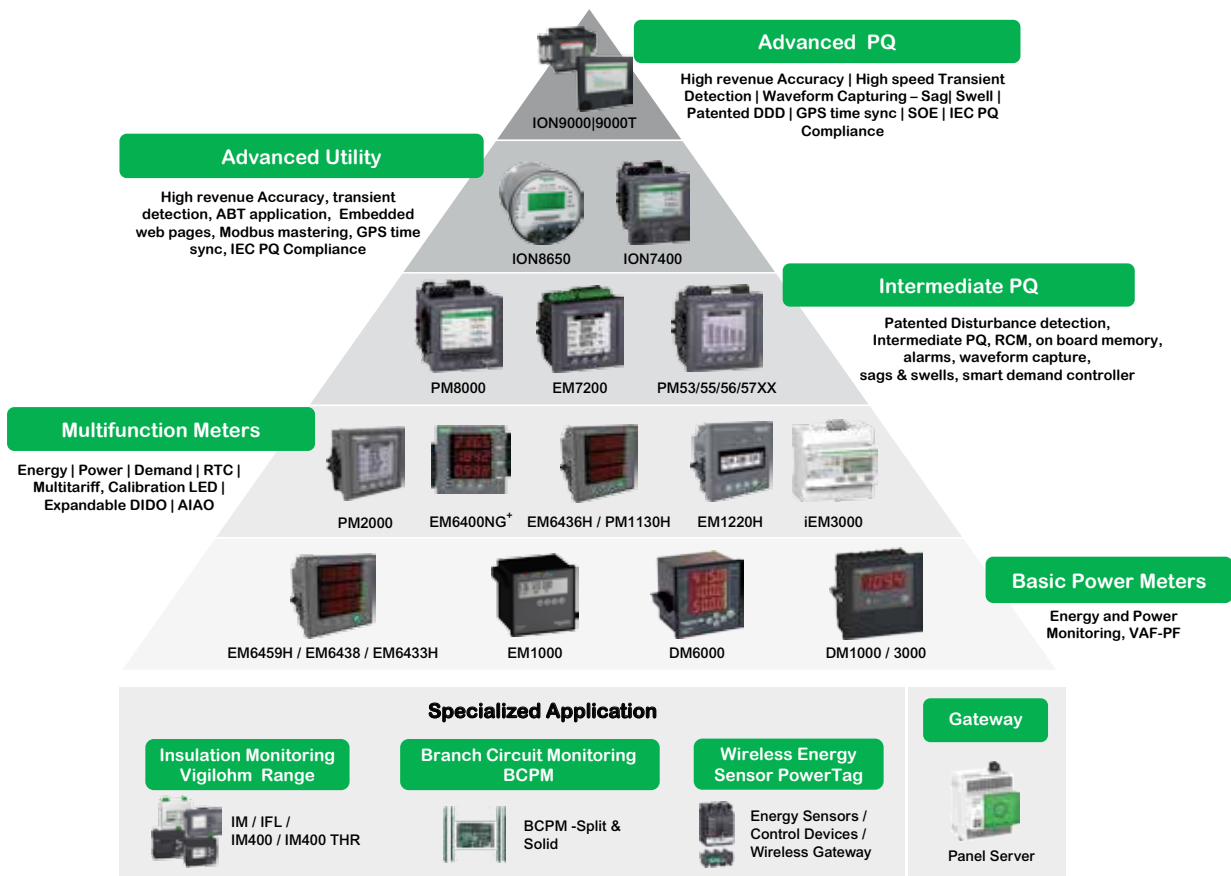
Envisioning  
**Atmanirbhar Bharat**  
by creating world-class  
products in India, for India  
and the world



EasyLogic™ & PowerLogic™ Series



# Discover Our Power Monitoring Solutions



Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE

Help protect staff & occupants  
using our advanced **insulation  
monitoring system**



Vigilohm™ Series

[se.com/in](https://se.com/in)

# 1. Tailored Offers for Specific Applications and Segments



- > BCPM A/B/C variants
- > Split or solid core CTs
- > 24 / 36/ 42 / 48 / 72 / 84 channels configuration

## 1.1 BCPM

\*Price On Request

### The BCPM Provides Data Center Managers with Information to

**Maximize uptime and avoid outages** through advanced alarming capabilities

- > Set sensitivity parameters so an alarm is triggered when current approaches any breaker limit
- > Alarms distinguish between past events and alarm states that are still occurring
- > Analyze the alarm history to assess areas that may need additional capacity to prevent issues

**Effectively plan future infrastructure needs** by providing historical usage data, to ensure that new infrastructure projects are sized correctly

- > Track usage at the circuit level
- > Develop reports on historical usage patterns
- > Use reporting to accurately predict future needs

### Easily allocate costs

- > Allocate costs based on per rack energy consumption
- > Track usage patterns and determine areas of potential savings
- > Create ongoing reporting structures to effectively manage costs



## 1.2 Insulation Monitoring Devices

\*Price On Request

### Vigilohm Range of Insulation Monitoring Devices

**Used in IT earthing arrangements, this solution**

- > Guarantees process continuity in case of earth fault,
- > Improves staff and process safety, and
- > Optimizes maintenance.

### Can be used in 3 levels of insulation monitoring

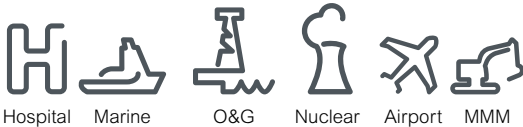
Level 1 : fault detection and signalling, manual fault location (all IMDs)

Level 2 : automatic fault location

Level 3 : feeder measurement + communication

### Key features

- > Fault detection and signalling
- > Insulation resistance value display
- > Transformer monitoring (current and temperature)
- > Modbus communication
- > Alarm log
- > Insulation fault remote indicator (audible & visual)
- > Electrical fault (transformer overload or circuit breaker tripping ) remote indicator (audible & visual)
- > IEC 60364-4-41 : Electrical standards in buildings
- > IEC 60364-7-10 : Requirements for special installations or locations  
Medical locations.
- > IEC 61557-8 : Insulation Monitoring Devices in IT earthing arrangement
- > IEC 61557-9 : Equipment for insulation fault location in IT earthing arrangements



Hospital Marine O&G Nuclear Airport MMM

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE



## Advanced metering for the new electric world

PowerLogic™ PM8000, ION9000 and ION9000T



Distributed generation, renewable energy, electric vehicles and power electronics are transforming today's electrical grid, challenging organizations that rely on power availability for business continuity. Along with these pressures, energy trading transactions are complex with growing concerns in areas such as data accuracy and cybersecurity. In the new electric world, systems that are efficient, secure, sustainable and resilient create business advantage. With advanced power meters from Schneider Electric – the world's leading power quality and revenue meters – you can keep pace with innovation and help ensure future opportunities for adaptation and growth.

### True reliability

Meeting the latest and most stringent international standards compliance for revenue billing and power quality monitoring, and confirmed by third-party lab certificates, PowerLogic advanced meters provide accurate, reliable and cybersecure information.

- 0.1S or 0.2S accuracy: third-party certified in full compliance to IEC 62052-11, IEC62053-22 and ANSI C12.20 2015
- Certified PQI devices with full compliance to IEC61000-4-30, IEC62586-1, IEC62586-2
- One device for both revenue billing and power quality monitoring
- Cybersecurity with secure protocol support (HTTPS, SFTP, SSH terminal); user-based access control, restricted use of unnecessary functions, audit logging, digital signature, secure password storage
- Anti-tampering features, hardware lock



Advanced PowerLogic meters are ready to connect to any SCADA, monitoring, control or billing software system.



Accurate and reliable



Onboard power quality analysis



Modular architecture

[se.com/in](http://se.com/in)

# PowerLogic™ PM8000, ION9000 and ION9000T

Advanced metering for the new electric world

## Tangible results

The ION9000 saves you valuable time from examining raw data and extracts tangible results from the data set to convey the information needed to get real results. Designed so you can prevent a severe power quality event occurrence or recover quickly from such events.

- Patented disturbance direction detection (DDD) to quickly identify the location of a power quality disturbance source
- Powerful, system-level analysis engine\* automatically correlates facility-wide events for quick analysis and fast recovery in case of a power quality related outage
- Connect via web browser for easy-to-read, pass/fail power quality analysis according to EN50160 and IEEE519 standards
- Detection and capture of high speed impulsive or oscillatory transients with 256, 1024 or 10MHz sampling rate\*\*
- Several options of time synchronization protocols to ensure precise sequence of events analysis



## Wide versatility

A modular architecture and an easy-to-use block-oriented programming architecture make our advanced power meters the ideal instruments to help original equipment manufacturers or system integrators evolve and adapt to changing business realities.

- Multiple mounting options
- Hardware modularity allows for field upgrade of key capabilities, such as the number of I/O modules, additional comm ports, different display and mounting options
- Legendary, patented ION™ technology allows tremendous flexibility
- Adapts easily to your power network as it becomes more dynamic, as new energy efficient devices are installed or as new regulations are passed
- Protects your infrastructure investment now and in the future



\* Requires PME

\*\* Please refer to product catalogue for details



Green Premium Eco-Mark

Confidently confirm and incorporate compliance status of our products into your environmental policies. Schneider Electric commits to disclose reliable, comprehensive information on the environmental impacts of our products.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## 2. High Accuracy, Specialized Solutions - for MV/LV Distribution



### 2.1 PowerLogic™ ION9000T NEW

\*Price On Request

- > High-speed transient detection with 10 MHz sampling, ability to measure up to 10 kV peak
- > Patented disturbance direction detection to identify event root cause
- > Unprecedented accuracy of 0.1S accuracy
- > Certified PQI-A (power quality instrument) complies with IEC 62586-1/-2
- > Modular, flexible, and adaptable
- > Secure protocol support and security event logging.
- > Onboard power quality analysis. Complies with: IEC61000-4-30 class A, IEC62586-1 / IEC62586-2, and verified by third-party lab certifications
- > Extended waveform capture
- > High-speed RMS data capture for in-depth analysis of any PQ disturbance
- > Smart power event analysis
- > ION programmability technology allowing tremendous flexibility
- > Protects your infrastructure investment now and in the future
- > Green Premium eco-mark.
- > Makes your power network safer, more reliable, efficient, and compliant.



### 2.2 PowerLogic™ ION9000

\*Price On Request

- > Summarize power quality, set targets, measure and verify results
- > Large Color Display with high resolution
- > Modbus Master functionality to read from downstream Modbus devices and view it via the front panel
- > Detect and capture transients as short as 20µs at 50Hz (17µs at 60 Hz)
- > Power quality compliance monitoring IEC 61000-4-30 Class A , test methods as per IEC 62586-1/2.
- > 2 GB of standard non-volatile memory.
- > Trend curves and short-term forecasting of upcoming values for better decisions
- > Disturbance direction detection with results captured in the event log, with a timestamp and certainty level
- > 50+ definable alarms to log critical event data, trigger waveform recording, or perform control function.
- > Trigger on any condition, with 1/2-cycle and 1-second response time.
- > Support protocol: Modbus, ION, DNP3, DLMS, SNMP, and IEC 61850.
- > Gateway functionality to access downstream meter's readings through ethernet
- > Time synchronization via GPS clock (RS-485) or IRIG-B (digital input) to ±1 millisecond.



Utility/ABT meter



8650

DLMS

### 2.3 PowerLogic™ ION 8650

\*Price On Request

- > **Utility grade accurate metering** with IEC 62053-22/23 Class 0.2S with 1024 samples / cycle
- > **Power quality compliance monitoring** for IEC 61000-4-30 Class A/S, EN50160, IEC 61000-4-7, IEC 61000-4-15, IEEE 1159, IEEE 519
- > **Power quality measurements** with Individual Harmonics, sag – swell, transient detection, waveform analysis & logging
- > **Digital fault recording** by capturing voltage and current channels simultaneously for sub-cycle disturbances
- > **Complete communications** through IEC1107 optical port or the optional communications module that supports concurrent Ethernet, serial, and modem communications
- > **Transformer/line loss compensation** for system losses in real time directly in the meter
- > **Instrument transformer correction** to save money and improve accuracy by correcting for less accurate transformers.

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## 2. High Accuracy, Specialized Solutions - for MV/LV Distribution



### 2.4 PowerLogic™ ION7400

Compact energy and power quality meters for feeders or critical loads

\*Price On Request

- > High quality, reliability, and accuracy: 3-phase power and energy measurements with power quality compliance monitoring, data and event logging, and alarming
- > Industry-leading: Class 0.2S revenue metering and network management data
- > Regulatory compliance: meets all North and South American requirements for utility metering
- > Built-in intelligence: RTU polls downstream devices like relays or other telemetry devices
- > Exceptional adaptability: integrates into existing billing/SCADA systems
- > Reduces downtime: pinpoints disturbances with disturbance direction detection as upstream or downstream of the meter
- > High degree of visibility to data and assets: allows for cost savings, rapid response time, and better decisions
- > Monitors and logs parameters in support of multiple international PQ compliance measurement standards
- > Harmonics: high-resolution waveform capture and Flicker influence



### 2.5 PowerLogic™ PM8000 Series

\*Price On Request

- > Patent disturbance detection capability with Sag/Swell / Waveform capture technology
- > **Ideal** for high energy users
- > **Revenue accuracy** of Class 0.2S as per IEC 62053-22
- > **High Sampling rate** of 256 Samples / Cycle, Waveform recording, sag/swell monitoring
- > **Modbus Master** with Single RS485 port & Dual Ethernet
- > **512MB of standard** non-volatile memory for Data and event logging
- > **Harmonics Analysis** upto 63rd for Voltage & current
- > **GPS clock (RS485)** or IRIG-B (digital input)
- > **01 Serial port** (Modbus, ION, DNP3) , Dual Ethernet port (Modbus/TCP, ION TCP, DNP3 TCP, IEC 61850 )
- > **Standard Digital Input**, Expandable Digital IO, Analog IO

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE



## PowerLogic™ PM55/56/5700 Series

Power quality, features in a cost-effective, precision meter

The highly capable PowerLogic™ PM5500, PM5600, and PM5700 power meters combine multiple features that are not typically found in basic range power meters: power quality capabilities, residual current monitoring, and MID conformance. This combination of features merge with industry-leading measurement accuracy to match the requirements of energy cost management applications in buildings and industry. Compliant with stringent international metering standards, these meters remove any uncertainty in billing for energy consumption and ensure a high level of performance that non-compliant devices cannot match.

Allocate energy costs, perform tenant sub-billing, pinpoint energy savings, optimize equipment efficiency and utilization, and perform a basic assessment of the power quality in your electrical network.

### Residual Current Monitoring

- Proactively identify residual current to maximize electrical distribution uptime, reduce risk of faults, and improve safety

### Power Quality Monitoring

- Identify power quality events to avoid downtime, prevent equipment damage

### LVDC Control Power Option (24V DC)

- Continuously monitor system and log data, even during an outage or voltage instability, in addition to significant installation and material cost savings DNP3.0 Protocol
- Seamless tie-in to new or existing utility and heavy industrial applications without the need for additional gateways or protocol converters

### Analog Inputs

- Monitor electrical and non-electrical parameters (e.g. temperature, flow rate, pressure etc.)

[se.com/in](https://se.com/in)

## 3. High Accuracy, Compact, Power Meters - for HV/MV/LV Distribution



### 3.1 PowerLogic™ PM5000 Series Power Meters

- > IEC 61557-12 IEC for PMD (Power Measurement Devices)
- > **Accuracy** - Class 0.5S (PM51xx, PM53xx) and Class 0.2S (PM5560) - IEC Specifications
- > **4th CT** for neutral and ground current measurement (PM5560)
- > **Dual Ethernet** ports for daisy chain communication (PM5560)
- > **Internal** webpage (PM5560)
- > **Individual Harmonics** up-to 63rd (PM5560), 31st (PM53xx) & 15th (PM51xx) THD, TDD
- > **Multi-tariff** Schedules 4 tariffs (PM53xx) & 8 tariffs (PM5560)
- > **Two Relay outputs** for circuit breaker monitoring & control (PM5330, PM5340)
- > **Logging** memory (PM53xx, PM5560)
- > **Peak demand** with time stamping D/T for current and powers (PM53xx, PM5560)
- > **Demand prediction** based on sliding, fixed and rolling block, thermal methods (All models)
- > **Battery backed up** Real Time Clock (All models)
- > **Meter Insight-Through QR code**
- > 2DI/2DO/2AI (PM5570), RCM (PM5660), Waveform capture and Sag Swell + 2DI/2DO (PM5650), Waveform capture and Sag Swell + 2DI/2DO + RCM (PM5760)

| Product | Description   | Reference   | Unit MRP [₹] |
|---------|---|-------------|--------------|
| PM5560  | CI0.2S, 2Ethernet+1RS485 Port, 4th CT, Webpage, 63rd Harmonic(magnitude & direction), 52 alarms, 4DI, 2DO, 8 multitariff, 128 samples/cycle | 30003008D   | 79039        |
| PM5570  | CI0.2S, 2Ethernet+1RS485 Port, 63rd Harmonic, Modbus and Ethernet, 2DI/2DO/2AI  | METSEPM5570 | 79690        |
| PM5580  | CI 0.2S, 63rd harmonic, Modbus and Ethernet, 4DI/2DO  | METSEPM5580 | 81444        |
| PM5650  | CI 0.2S, 63rd harmonic, waveform capture and sag/swell, Modbus and Ethernet, 2DI/2DO, RCM   | METSEPM5650 | 108413       |
| PM5660  | CI 0.2S, 63rd harmonic, Modbus and Ethernet, 2DI/2DO, RCM   | METSEPM5660 | 103425       |
| PM5760  | CI 0.2S, 63rd harmonic, waveform capture and sag/swell, Modbus and Ethernet, 2DI/2DO, RCM   | METSEPM5760 | 123900       |
| PM5340  | CI0.5S, 1Ethernet, 31stharmonic, 2DI, 2DO, 2RO, 35Alarms Datalogging, 64samples/cycle   | 30003007D   | 46232        |
| PM5320  | CI0.5S, 1Ethernet, 31stharmonic, 2DI, 2 DO, 35Alarms, Datalogging, 64samples/cycle  | 30003005D   | 43090        |

### 3.2 Smart Demand Controller - EM7200 Series



- > Accuracy CL **0.2\***, **0.5S** and **Class 1.0** as per IEC 62053 21/22
- > **CE / UL** Certification as per IEC / UL61010 1 Ed 3
- > Versatile and fully user programmable, suitable for HT/LT with any CT/PT
- > 2 Digital inputs, **3 Form C Relay outputs** for control
- > **TOU** for time enabled tariff users and auto resetting of energy parameters - weekdays, weekends, public holidays & offs.
- > **Import / Export** option enables monitoring of bi-directional power flow (also called 4 - quadrant measurement)
- > Utility meter cross check
- > **19 demand profile** settings for optimal demand planning
- > THD and individual harmonics up-to 15th
- > **Predictive demand**, present demand, max demand with date/time stamp. 4 peaks and 4 lows

| Product | Description                              | Reference | Unit MRP [₹] |
|---------|--|-----------|--------------|
| EM 7290 | Demand Controller CI0.2* with RS485 Port | 30002975  | 62633        |
| EM 7280 | Demand Controller CI0.5S with RS485 Port | 30002198  | 48859        |
| EM 7230 | Demand Controller CI1.0 with RS485 Port  | 30002055  | 45100        |

\* Class 0.2S compliance available in 3ph,4w system

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE

Choose **reliable performance**  
where you need it  
EasyLogic™ PM2000 series



- Active Accuracy - Class 0.5S/1.0 as per IEC62053-22/21
- Dual Sourcing - Utility or Solar or wind energy monitoring using the DI
- 12am (Configurable) Snapshot - Volt, Amp, Power & Energy
- Rate Counters - Configurable for Energy and KgCO2
- Expandable IO Module - Digital IO/Analog IO
- Calibration and Heart beat LED on the front display

[se.com/in](http://se.com/in)

## 3. High Accuracy, Specialized Solutions- for MV/LV Distribution

### 3.3 EasyLogic™ PM2000 Series

#### Multifunction Power and Energy meter with 12am snapshot and Rate counters (kgCO2 / Energy)



- > Energy Standard - Class 0.5S /1.0 as per IEC 62053-22 / 21
- > Power quality analysis with THD & Ind. harmonics up to 31st
  - IO module integration (optional) – Digital Input/ Output, Analog Input/ Output
  - Dual / Multi sourcing - Capable of monitoring Utility & Genset/ Solar/Wind energy using the Multitariff and Digital Input.
  - 12am (Configurable) Snapshot – Snapshot of Avg Volt, Avg Amp, Total active power & energy delivered as measured by the meter at 12am (Configurable) of every day.
  - Rate Counters – Configurable rate counters for displaying kgCO2 or energy cost.
  - Onboard Data Logging – Configurable logging up to 2 parameters
  - Per-phase, avg/ total of Volts, Amps, PF, THD, Hz, W, Wh, VA, VAh, VAR, VARh, Max Demand & Import / Export
  - Min/Max Monitoring with Date/Time stamping
  - Communication : Pulse output or RS485 port

| Product     | Description  | Reference          | Unit MRP [₹] |
|-------------|--|--------------------|--------------|
| PM2230      | PM2230, LCD, RS485, Accuracy CI0.5S, 31st Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters, Data logging | METSEPM2230D       | 32900        |
| PM2220      | PM2220, LCD, RS485, Accuracy CI1, 15th Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters                  | METSEPM2220D       | 30267        |
| PM2130      | PM2130, LED, RS485, Accuracy CI0.5S, Ind. Harmonics up to 31st over communication, data logging                        | METSEPM2130D       | 31512        |
| PM2K2DIDO*  | Optional Digital IO card - 2 channel DI & DO for PM2000 Series   | METSEPM2KDGTLIO22D | 3739         |
| PM2K1AIAO*  | Optional Analog IO card - 1 channel AI & AO for PM2000 Series  | METSEPM2KANLGIO11D | 4433         |
| PM2K2AIAO*  | Optional Analog IO card - 2 channel AI & AO for PM2000 Series  | METSEPM2KANLGIO22D | 5400         |
| PM2K2DI2RO* | EasyLogic™ PM2x30 2DI2RO Module 2-IO   | METSEPM2K2DI2ROD   | On Request   |

\* Optional IO modules can be used for PM2230 & PM2130 models only. Maximum upto 1 module can be used per device at a time.

— Celebrating —  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE



Gain high accuracy with our power monitors manufactured in India



EasyLogic™ Series and PowerLogic™ Series

[se.com/in](http://se.com/in)

## 4. India's Most Sold Multifunction Meters



Green Premium Eco-Mark

### 4.1 EasyLogic™ EM6400NG+ Series, The Next Generation Workhorse

Multifunction Energy meter with NextGen features like Harmonics & Min/Max Monitoring, Digital security

- > **Energy Standard** – Class 0.2/0.5S/1 as per IEC 62053-22 / 21
- > **Power quality analysis** with THD & individual harmonics upto 15th over communication
- > **13 different wiring** configuration scheme
- > **Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interupts, Preloaded Demand & Import /Export**
- > **Min/Max Monitoring** with Date/Time stamping
- > **Calibration LED** and Heart beat LED for communication Status
- > **Communication:** POP or RS485 port

| Product   | Description                       | Reference          | Unit MRP [₹] |
|-----------|-----------------------------------|--------------------|--------------|
| EM6400NG+ | Class accuracy C10.2, RS485 port  | METSEEM6400NGRSC2  | 31858        |
| EM6400NG+ | Class accuracy C10.5S, RS485 port | METSEEM6400NGRSC5  | 25591        |
| EM6400NG+ | Class accuracy C11.0, RS485 port  | METSEEM6400NGRSC1  | 20199        |
| EM6400NG+ | Class accuracy C10.5S, POP        | METSEEM6400NGPOCL5 | 17498        |
| EM6400NG+ | Class accuracy C11.0, POP         | METSEEM6400NGPOCL1 | 15841        |

## 5. India's Most Trusted, Reliable and Accurate Load Managers



### 5.1 Hexa Series EM64XXH and PM1130H Meters

Load Managers, Power & Energy, Dual Source Multifunction meters

- > Energy Accuracy - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices
- > Dual Sourcing with demand Monitoring, THD% for voltage & Current, 01 Relay Contact.
- > Configurable Favorite Page.
- > Sampling Rate of 32 Samples / Cycle.
- > Onsite Calibration Verification - Calibration LED.
- > Heart beat LED for communication status & meter healthiness.
- > Modus RS485 communication port.
- > Communication Disable from the front panel of the Meter.
- > Multi colored analog load bar with over load indication.
- > Configurable Password for secured setup of the device.

| Product | Description  | Reference          | Unit MRP [₹] |
|---------|--|--------------------|--------------|
| PM1130H | EASYLOGIC™ PM1130H Dual Source Power & Energy Meter, Class accuracy 0.5, 01 Relay Contact, 01 RS485 port | METSEPM1130HCL05RD | 18821        |
| EM6438H | EasyLogic™ EM6438H Dual Power & Energy Meter, Class accuracy 0.5, 01 RS485 port                          | METSEEM6438HCL05RS | 9244         |
| EM6438H | EasyLogic™ EM6438H Dual Power & Energy Meter, Class accuracy 1.0, 01 RS485 port                          | METSEEM6438HCL10RS | 8582         |
| EM6436H | EasyLogic™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy: 0.5, 01 RS485 port                    | METSEEM6436HCL05RS | 13787        |
| EM6436H | EasyLogic™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy: 1.0, 01 RS485 port                    | METSEEM6436HCL10RS | 12011        |
| EM6436H | EasyLogic™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 1.0                                    | METSEEM6436HCL10NC | 10276        |
| EM6433H | EasyLogic™ EM6433H A+ Power & Energy Meter, Class accuracy 0.5, 01 RS485 port                            | METSEEM6433HCL05RS | 8572         |
| EM6433H | EasyLogic™ EM6433H A+ Power & Energy Meter, Class accuracy 1.0, 01 RS485 port                            | METSEEM6433HCL10RS | 8075         |
| EM6459H | EasyLogic™ EM6459H VAF+ PF Digital Meter, Class accuracy 0.5, 01 RS485 port                              | METSEEM6459HCL05RS | 9107         |
| EM6459H | EasyLogic™ EM6459H VAF+ PF Digital Meter, Class accuracy 1.0, 01 RS485 port                              | METSEEM6459HCL10RS | 8544         |
| EM6459H | EasyLogic™ EM6459H VAF+ PF Digital Meter, Class accuracy 1.0   | METSEEM6459HCL10NC | 6673         |

\* Conzerv is now EasyLogic™

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# 5. India's Most Trusted, Reliable and Accurate Load Managers

## 5.2 Hexa Series LCD Range: OEM Specialized applications

EasyLogic™ EM1220H | PM1225H | PM1230H meters are ideal replacements for multiple analog meters for stand-alone metering in OEM Panel Boards, Genset panels, Motor Control Centers, power factor improvement panels



- > **Energy Accuracy** - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices
- > Power quality analysis (THD %) | Phase angle between the voltage and current
- > **LCD display:** Elegant single row, bright back lit graphical LCD display 132 \* 32 pixels, Fast in-line view, three parameters name and value at one glance
- > **Suppression current:** To disregard the measurement of induced and panel auxiliary load current in the circuit (settable from 5 to 99 mA).
- > **Protective cover:** Tamper-proof terminal screws do not detach from housing.
- > **Control power options:** Universal range 44 to 300V LN AC/DC or Low voltage DC control power option of 9 to 36V DC
- > Sampling Rate of 32 Samples / Cycle
- > Onsite Calibration Verification - Calibration LED
- > Heart beat LED for communication status & meter healthiness.
- > Modbus RS485 communication port
- > Communication Disable from the front panel of the Meter
- > Configurable Password for secured setup of the device
- > Smart line indicators in LCD display meter to check the presence of input supply voltage

| Product | Description  | Reference       | Unit MRP [₹] |
|---------|--|-----------------|--------------|
| PM1230H | EasyLogic™ PM1230H Dual Source Power & Energy, Class Accuracy 0.5, 01 RS485 Port | METSEPM1230HCL5 | 18080        |
| PM1225H | EasyLogic™ PM1225H Restricted MFM Meter, Class Accuracy 0.5, 01 RS485 Port       | METSEPM1225HCL5 | 25099        |
| PM1225H | EasyLogic™ PM1225H Restricted MFM Meter, Class Accuracy 1.0, 01 RS485 Port       | METSEPM1225HCL1 | 19809        |
| EM1220H | EasyLogic™ EM1220H Load Manager, Class Accuracy 0.5, 01 RS485 Port               | METSEEM1220HCL5 | 13332        |
| EM1220H | EasyLogic™ EM1220H Load Manager, Class Accuracy 1.0, 01 RS485 Port               | METSEEM1220HCL1 | 11614        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE

# Introducing “New face of Power Monitoring”

## EasyLogic™ PM112XH Series

- Active Accuracy - Class 1.0 / 0.5 as per IEC 62053-21 / 22
- Configurable Favorite Page
- Modbus RTU protocol RS-485 communication port
- Green Premium Product



[se.com/in](http://se.com/in)

# 5. India's Most Trusted, Reliable and Accurate Multifunction Meters

## 5.3 Hexa Series PM112XH Series

Improve cost & network management through our “New face of Hexa LED power monitors”



- > Class Accuracy 1.0 / 0.5
- > VAF + PF+ Power + Energy + Ind. harmonics
- > Sampling Rate of 32 Samples/Cycle
- > Configurable Favorite Page
- > Calibration and Communication LED
- > Analog Load Bar
- > Data Integrity : Communication Disable on the front panel of the Meter
- > Communication + Non Com Variant - SE COM DATA MODULE
- > Green Premium Product

| Product | Description  | Reference          | Unit MRP [₹] |
|---------|--|--------------------|--------------|
| PM1120H | EasyLogic™ PM1120H, Power & Energy Meters, Class Accuracy 0.5, 01 RS485 Port | METSEPM1120HCL05RD | 19748        |
| PM1120H | EasyLogic™ PM1120H, Power & Energy Meters, Class Accuracy 1.0, 01 RS485 Port | METSEPM1120HCL10RD | 16576        |
| PM1125H | EasyLogic™ PM1125H, Multifunction Meter, Class Accuracy 0.5, 01 RS485 Port   | METSEPM1125HCL05RD | 22779        |
| PM1125H | EasyLogic™ PM1125H, Multifunction Meter, Class Accuracy 1.0, 01 RS485 Port   | METSEPM1125HCL10RD | 18214        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Stay on top of it  
with **PowerTag**



Give your business a competitive edge with  
PowerTag wireless energy sensors

With PowerTag Energy, you can add innovation to any project with one simple action. Even in panels where space is at a premium, you can easily tag circuit breakers up to 630 A to help your customers reduce costs and improve efficiency. As a connected product, PowerTag Energy is a key part of ExoStruxure Power – Schneider Electric's IoT-enabled, open and interoperable architecture. And a small-but-impressive solution your customers will appreciate.



[se.com/poweritag](https://se.com/poweritag)

\* Secure it: As part of the Acti 9 communication system, PowerTag monitors loads and identifies load imbalances and overload levels before a trip occurs. PowerTag also alerts you to voltage losses, so you save time recovering your installation in the event of load downtime. An email alert means you can take preventive action thus avoiding potential downtime. © 2020 Schneider Electric. All Rights Reserved. Life Is On Schneider Electric is a trademark and the property of Schneider Electric SE, its subsidiaries and affiliated companies. 998-20959054\_GMA\_630A\_image63A\_PanelBuilder\_print ad.indd

## 6. PowerTag - World's Smallest Energy Sensor



### 6.1 PowerTag for MCB

#### Monitor Your Energy

- > Real time U, V, I, P, PF
- > Active energy metering (Class 1 EN 61557-12) partial and total
- > Load balance overview for 3P

#### Improve your Maintenance

- > Pre Alarm on overload
- > Specific "alarms" for U, I, P
- > Alarm on feeder voltage loss

| Product  | Description   | Reference | Unit MRP [₹] |
|----------|---|-----------|--------------|
| PowerTag | PowerTag Energy M63 1P+W                            | A9MEM1520 | 10364        |
| PowerTag | PowerTag Energy M63 1P+N Top                        | A9MEM1521 | 10364        |
| PowerTag | PowerTag Energy M63 1P+N Bottom                     | A9MEM1522 | 10364        |
| PowerTag | PowerTag Energy M63 3P                              | A9MEM1540 | 20919        |
| PowerTag | PowerTag Energy M63 3P+N Top                        | A9MEM1541 | 20919        |
| PowerTag | PowerTag Energy M63 3P+N Bottom                     | A9MEM1542 | 20919        |
| PowerTag | PowerTag Energy F63 1P+N                            | A9MEM1560 | 11386        |
| PowerTag | PowerTag Energy F63 3P+N                            | A9MEM1570 | 22801        |
| PowerTag | PowerTag Energy Sensor 63A -3P/3P+N                 | A9MEM1573 | 21715        |
| PowerTag | PowerTag Energy Sensor 160A -F160 - 3P/3P+N         | A9MEM1580 | 28041        |
| PowerTag | PowerTag Energy Sensor Rope 200A - R200 - 3P/3P+N   | A9MEM1590 | 52540        |
| PowerTag | PowerTag Energy Sensor Rope 600A - R600 - 3P/3P+N   | A9MEM1591 | 54897        |
| PowerTag | PowerTag Energy Sensor Rope 800A - R1000 - 3P/3P+N  | A9MEM1592 | 58682        |
| PowerTag | PowerTag Energy Sensor Rope 2000A - R2000 - 3P/3P+N | A9MEM1593 | 61523        |



### 6.2 PowerTag for MCCB

- > Can also be installed in existing panels, designed to enhance the monitoring of your electrical assets
- > Simplifies the connectivity of individual breakers to a Building Management System (BMS) along with ease of installation
- > Visualize in real-time on your Smartphone or PC

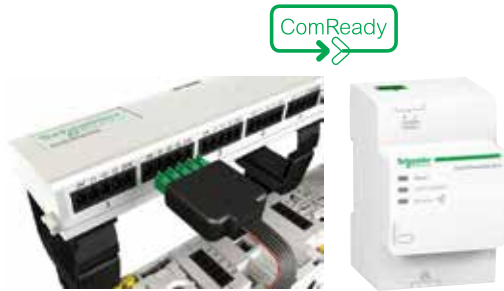
| Product  | Description                            | Reference | Unit MRP [₹] |
|----------|--|-----------|--------------|
| PowerTag | ENERGY SENSOR POWERTAG NSX - 250A 3P   | LV434020  | 35950        |
| PowerTag | ENERGY SENSOR POWERTAG NSX - 250A 3P+N | LV434021  | 39402        |
| PowerTag | ENERGY SENSOR POWERTAG NSX - 630A 3P   | LV434022  | 62137        |
| PowerTag | ENERGY SENSOR POWERTAG NSX - 630A 3P+N | LV434023  | 68056        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## 6. PowerTag - World's Smallest Energy Sensor (cont.)



### 6.3 Smartlink

- > Compliance to IEC/EN 61131-2
- > Protection Monitoring – Device Status and alarm notifications
- > Load Control / Switching through Contactors and Impulse Relays
- > Energy Monitoring through pulse meters
- > Alarm over email and analog sensors (temperature / humidity) with Smartlink Ethernet
- > Plug & Play – Pre fabricated cables and in built web pages
- > Rated Voltage: 24V DC

| Product   | Description      | Reference | Unit MRP [₹] |
|-----------|------------------|-----------|--------------|
| Smartlink | Smartlink Modbus | A9XMSB11  | 49796        |
| Smartlink | PowerTag Link    | A9XMWD20  | 29213        |
| Smartlink | Smartlink SI-B   | A9XMZA08  | 56013        |

### 6.4 Communication Auxiliaries

| Description                    | Reference | Unit MRP [₹] |
|--------------------------------|-----------|--------------|
| Mounting Kit for Din Rail      | A9XMFA04  | 2036         |
| Prefabricated Cables M         | A9XCAM06  | 7521         |
| Locking Clips for Multiclip 80 | A9XMLA02  | 887          |
| Connectors 5 Pin               | A9XC2412  | 10360        |
| Prefabricated Cables L         | A9XCAL06  | 8552         |
| Prefabricated Cables S         | A9XCAS06  | 7446         |
| SEMI - Prefabricated Cables U  | A9XCAU06  | 5140         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# 7. DIN Rail Mount Meters - Accurate, Flexible Power Meters

Schneider Electric's new DIN rail mount meters are compact, versatile, high performance devices that confirm to exacting IEC standards with the added benefits of being i. Easy to install ii. Easy to modify and iii. Easy to maintain



## 7.1 PowerLogic™ PM3200 Series CI 0.5S Power Meters MV / LV Distribution

- > **Know network health through** all measurement parameters (I, In, U, V, PQS, E, PF, Hz, THD)
- > **Four-quadrant metering to differentiate energy**
  - Target green technologies (delivered/received)
  - Help reduce utility penalties (active/reactive)
- > **Up to 4 different time slots to manage multiple tariffs**
  - Peak, off-peak, workday, weekend
- > **DI/DO provide access to other areas of the electrical network & allow for more applications**
  - WAGES counting, remote reset, tariff control and energy pulse outputs
  - status input (circuit breaker trip or panel door opening), DO alarm for sound or light alert
- > **Data logging (PM3255)**
  - Save last 32 days, last 20 weeks and last 13 months consumption data in separate registers
  - Longer historical record helps create an accurate load profile, making benchmarking and trending easier

| Product | Description                 | Reference   | Unit MRP [₹] |
|---------|-----------------------------|-------------|--------------|
| PM 3255 | Din rail Power meter Modbus | METSEPM3255 | 22136        |
| PM 3210 | Din rail Power meter pulse  | METSEPM3210 | 20172        |

## 7.2 PowerLogic™ iEM3000 Series Class Meters - LV Distribution



iEM31xx: 63A direct connect - CI1.0  
 iEM32xx: 1A / 5A CT connect - CI0.5S  
 iEM33xx: 125A direct connect - CI1.0

- |   |  |  |
|---|--|--|
| iEM3110<br>iEM3210<br>iEM3310   | iEM3150<br>iEM3250<br>iEM3350  | iEM3165, 3175<br>iEM3265, 3275   |
| <ul style="list-style-type: none"> <li>&gt; Total kWh</li> <li>&gt; Partial kWh + date and time of last reset</li> <li>&gt; Pulse output up to 1000pulse/kWh</li> <li>&gt; 1 Digital Out</li> <li>&gt; Date and time of last reset</li> <li>&gt; MID legal metrology certification</li> </ul> | <ul style="list-style-type: none"> <li>&gt; Modbus</li> <li>&gt; Total kWh</li> <li>&gt; Partial kWh + date and time of last reset</li> <li>&gt; Self powered</li> <li>&gt; By communication: kWh, A, V, kW, PF</li> </ul> | <ul style="list-style-type: none"> <li>&gt; Total kWh, kVAh</li> <li>&gt; Four quadrant</li> <li>&gt; Partial kWh+ date and time of last reset</li> <li>&gt; By communication: kWh, kVAh, P,Q, S, K<sub>v</sub>, PF, 4 tariffs, digital input status, date/clock</li> <li>&gt; 1 DI for circuit breaker status, input WAGES, 1 DO</li> </ul> |

## iEM 33xx - CI1.0, Direct current 125 A, Din Rail Meter

| Product | Description                                | Reference | Unit MRP [₹] |
|---------|--|-----------|--------------|
| iEM33xx | Three Phase, 125A Direct Current, Lonwork  | A9MEM3375 | 29028        |
| iEM33xx | Three Phase, 125A Direct Current, BACnet   | A9MEM3365 | 26976        |
| iEM33xx | Three Phase, 125A Direct Current, Modbus   | A9MEM3350 | 22954        |
| iEM33xx | Three Phase, 125A Direct Current, PulseO/P | A9MEM3310 | 21656        |

## Three phase CT Operated, Din Rail Meter / Direct Current-Three phase (upto 63A)

| Product  | iEM 32xx CI0.5S CT |              | iEM 31xx CI1.0 - Direct current |              |
|----------|--------------------|--------------|---------------------------------|--------------|
|          | Reference          | Unit MRP [₹] | Reference                       | Unit MRP [₹] |
| iEM 3x65 | A9MEM3265          | 23382        | A9MEM3165                       | 22687        |
| iEM 3x55 | A9MEM3255          | 16389        | A9MEM3155                       | 18108        |
| iEM 3x50 | A9MEM3250          | 15369        | A9MEM3150                       | 17091        |
| iEM 3x10 | A9MEM3210          | 14078        | A9MEM3110                       | 15646        |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# IoT for an intelligent power network

## EcoStruxure™ Panel Server



EcoStruxure Panel Server is the next generation of gateway, providing a seamless connection of wired or unwired smart IoT devices to your edge control software or advisor. It is a foundational enabler for Schneider Electric EcoStruxure solutions.

### Electrical safety

Panel Server is an integral part of Schneider Electric's continuous thermal monitoring application, helping reduce risk of electrical fires, increase people and assets protection. Implement the thermal monitoring of your electrical panel by connecting thermal and heat sensors to your Panel Server.

### Power availability

Electrical distribution monitoring and power event analysis help avoid unplanned downtime caused by electrical failure. Panel server collects real-time data and alarms, presenting information through embedded webpages, making it available to edge control software or advisor for electrical system diagnostics. Use embedded webpages for first-level monitoring or monitor from your edge control.

### Optimize energy efficiency

Improve your facility's energy efficiency and reduce energy consumption with energy usage analysis and performance tracking. Panel Server collects and shares energy data to help achieve your energy conservation initiatives. It is certified as part of an energy data management system according to ISO 50001, 50002, 50006.

### Cybersecurity

Guarding your electrical assets and systems against cyberattacks is vital. Panel server is an IEC 62443 compliant device and is central to the IEC 62443-3-3 SL1 certified EcoStruxure Power system. Use Cybersecurity Admin Expert to manage user accounts, define your cybersecurity policy and retrieve security logs.



EcoStruxure Panel Server gives you access to the information you need to protect, maximize and optimize your power system.



Help keep people and assets safer



Maximize power availability



Optimize energy efficiency



Improve cybersecurity

[se.com/in](https://se.com/in)

# EcoStruxure™ Panel Server

## IoT for an intelligent power network

### All-in-one gateway

- Separates your OT network from your IT network
- Wireless data concentrator
- Modbus RS485 to Modbus TCP
- Supports multiple Ethernet connections for serving information to edge control software and cloud applications

### Simple commissioning

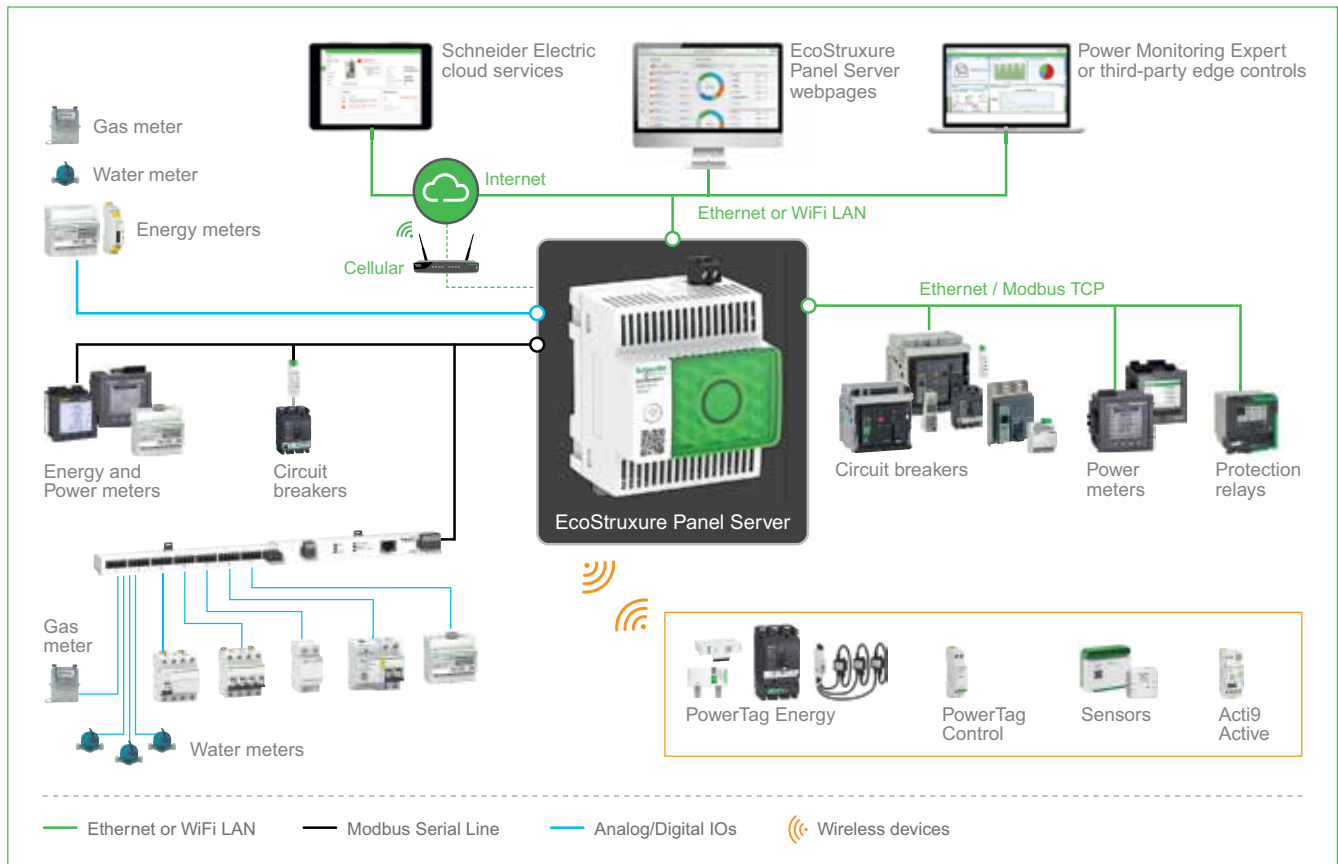
- EcoStruxure Power Commission software
- Device auto discovery
- Generation of acceptance reports to validate gateway configuration
- Commission via Bluetooth® or WiFi

### Intuitive operation

- User-friendly webpages offer first-level monitoring
- Contextualized data and operational insights
- Simple alarm setup for email notification
- Standardized IEC 62974-1 compliant datalogger and energy server



### Architecture overview



Please contact Customer Care Center for Stockable and Non stockable status of references.

☑️ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# 8. Ethernet Communication Gateways

## 8.1 Ethernet Communication Gateway Server / Converters

### Panel Server



- > Retrieve data from wireless & Modbus devices
- > Connect to edge control systems & cloud applications
- > Plug & Play easy commissioning
- > User friendly embedded webpages
- > Cybersecurity at the core

### LINK150 Protocol Converter



- > Protocol Converter from Modbus RS485 to TCP/IP
- > Two (2) Ethernet ports for daisy chain Ethernet
- > Setup through built-in web pages
- > HTTP, HTTPS, FTP, SMTP, IPV6 Support
- > 24V DC and/or POE power supply

| Product                | Description  | Reference | Unit MRP [₹] |
|------------------------|--|-----------|--------------|
| Panel Server Universal | Panel Server Universal with 24V DC power supply          | PAS600L   | 40467        |
|                        | Panel Server Universal with 100-277 V AC/DC power supply | PAS600    |              |

## Accessories for Power Monitoring NEW

| Description  | Reference          | Unit MRP [₹] |
|--|--------------------|--------------|
| Adaptor Plate 144X144 mm                               | 30000089           | 120          |
| ELF adaptor plate                                      | 30001808           | 73           |
| IP65 protection cover for PM5XXX, PM2XXX, NG+ and Hexa | METSEIP65OP96X96FD | On Request   |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## 9. Specialized Small Form Factor Meters - ELF Series



### 9.1 ELF32xx Series - VAF, Power & Energy Meters

- > Accuracy CI1.0, CI0.5
- > Aux Supply - 80 to 270Vac
- > Size - 96X48mm
- > Parameters - VAF, W/VA/VAr/PF
  - a) ELF3259 - VAF meter
  - b) ELF3234 - W/VA/VAr/PF
  - c) ELF3234\_3 - W/VA/VAr & PF

| Product   | Description     | Reference | Unit MRP [₹] |
|-----------|-----------------|-----------|--------------|
| ELF3234-3 | ELF3234-3 CI0.5 | 30000619  | 8426         |
| ELF3234   | ELF3234 CI0.5   | 30000621  | 7211         |
| ELF3259   | ELF3259 CI0.5   | 30000620  | 3619         |
| ELF3234-3 | ELF3234-3 CI1.0 | 30000409  | 6730         |
| ELF3234   | ELF3234 CI1.0   | 30000859  | 5767         |
| ELF3259   | ELF3259 CI1.0   | 30000860  | 2887         |

## 10. LCD Display Energy Meters & VAF+PF Meters



High durability, sleek LCD display energy & VAF+PF meters

### 10.1 EM1000 / EM1200 Series

- > Accuracy CI0.5, CI1.0
- > **Parameters** - KW, kWh & PF
- > **Pulse output** - for basic tracking on EMS systems
- > **RS 485** - for native integration into EMS

| Product | Description      | Reference | Unit MRP [₹] |
|---------|------------------|-----------|--------------|
| EM1200  | EM1200 CI0.5 RS  | 30002572  | 5433         |
| EM1000  | EM1000 CI0.5 POP | 30002571  | 4664         |
| EM1200  | EM1200 CI1.0 RS  | 30002565  | 4477         |
| EM1000  | EM1000 CI1.0 POP | 30002568  | 3689         |



### 10.2 DM 6100 Series – VAF, PF Meters

- > Accuracy CI0.5, CI1.0
- > **DM6100** - VAF, PF meter
- > **DM6300** - VAF, PF meter with RS 485 port

| Product | Description     | Reference | Unit MRP [₹] |
|---------|-----------------|-----------|--------------|
| DM6300  | DM6300 CI0.5 RS | 30002570  | 4498         |
| DM6100  | DM6100 CI0.5    | 30002569  | 3551         |
| DM6300  | DM6300 CI1.0 RS | 30002566  | 4284         |
| DM6100  | DM6100 CI1.0    | 30002567  | 3382         |

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

## 11. CE compliance - Volt/Amp/ frequency meter



### 11.1 EasyLogic™ DM3000 / DM1000

- > **CE compliance** as per latest IEC 61010-1
- > **50Hz** or 60Hz
- > **AC or DC** control power
- > **LED indicators** for phase identification in 3-ph meters
- > **Plus all** features of EasyLogic range DM3000 / DM1000

| Product | Description                  | Reference | Unit MRP [₹] |
|---------|------------------------------|-----------|--------------|
| DM3210  | Three phase Voltmeter CI0.5  | 30002965  | 3167         |
| DM3110  | Three phase Ammeter CI0.5    | 30002964  | 3167         |
| DM1210  | Single phase Voltmeter CI0.5 | 30002962  | 2149         |
| DM1110  | Single phase Ammeter CI0.5   | 30002961  | 2149         |
| DM1310  | Frequency meter CI0.2        | 30002963  | 1636         |

## 12. Just the Basics - Voltage / Ampere / Frequency Meters



### 12.1 EasyLogic™ DM3000 / DM1000

#### Accuracy

- > Volts & Amps - CI 0.5/CI1.0
- > Frequency - 0.2
- > True RMS values

#### Bright red LED Display

- > Full 4 Digits, 0.1% Resolution
- > 14mm height, 7 segment

#### User-friendly

- > Auto exit from setup
- > Elegant ergonomic design
- > Intuitive dual function key
- > Bright LED indicators - Kilo & Phase indications for measured value

| Product | Description                  | Reference |   | Unit MRP [₹] |
|---------|------------------------------|-----------|---|--------------|
| DM3210  | Three phase Voltmeter CI0.5  | 30002462  | ☑ | 2581         |
| DM3110  | Three phase Ammeter CI0.5    | 30002461  | ☑ | 2581         |
| DM3210  | Three phase Voltmeter CI1.0  | 30002386  | ☑ | 2063         |
| DM3110  | Three phase Ammeter CI1.0    | 30002385  | ☑ | 2063         |
| DM1210  | Single phase Voltmeter CI0.5 | 30002460  | ☑ | 1747         |
| DM1110  | Single phase Ammeter CI0.5   | 30002459  | ☑ | 1747         |
| DM1210  | Single phase Voltmeter CI1.0 | 30002366  | ☑ | 1298         |
| DM1110  | Single phase Ammeter CI1.0   | 30002365  | ☑ | 1298         |
| DM1310  | Single phase Frequency CI0.2 | 30002367  | ☑ | 1298         |

\* Conzerv is now EasyLogic™

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

Celebrating  
**25** YEARS OF  
POWER  
MONITORING  
EXCELLENCE

Your **power network**  
has a story to tell.  
Meet the storyteller



PowerLogic™ ION9000

[se.com/in](https://se.com/in)



# Purpose-built to keep your power reliable and efficient

## EcoStruxure™ Power Monitoring Expert

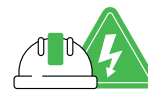
Power is critical to your operations. Disruptions impact productivity and safety. Wasted energy and equipment failures affect your bottom line. Grid systems are also becoming more dynamic and regulations more challenging. You need a way to reveal hidden risk and new opportunities.

Award-winning EcoStruxure™ Power Monitoring Expert (PME) simplifies management of complex power systems. It brings unique new capabilities that protect people and assets, keeps operations running and saves time and money. As a key element in an EcoStruxure Power solution, PME takes full advantage of IoT connectivity and distributed intelligence to help maximize your uptime and operational efficiency:

- Smart events and alarm clustering for intuitive filtering, searching and categorization of events and alarms
- Graphical timelines easily analyze event and alarm sequence, location and potential impact
- Advanced energy visualization – analysis tools calculate, model, forecast and track energy performance indicators (EnPIs)
- Compliant with IEC62443 cybersecurity standards, for even the most demanding IT environments



EcoStruxure Power Monitoring Expert drives performance with the next generation in power and energy management.



Help keep people and assets safer



Optimize business reliability and continuity



Maximize operational lifecycle efficiency



Simplify compliance

[se.com/in](https://se.com/in)



# The power of a SCADA uniquely designed for critical power management

## EcoStruxure™ Power Operation

No matter the size or complexity of your electrical system, you need reliable power 24/7. Every second of downtime in a power-critical facility means business interruption and financial loss, unsafe conditions and damaged reputations. Your team requires the ability to react and correct issues immediately for every potential risk.

EcoStruxure Power Operation is a SCADA system uniquely designed to help large electrical distribution applications in facilities like data centers, industrials, airports and electro-intensive operations maximize uptime, unite medium and low voltage networks and integrate mechanical monitoring.

### Power availability

Reduce downtime caused by electrical outages for optimum continuity and reliability. Using machine-learning algorithms and automation, Power Operation improves situational awareness to speed analysis and reduces the time required for your operators and engineers to discover root causes.

### Energy efficiency

Power Operation helps you set energy targets, track consumption and monitor performance. Create overall efficiencies to avoid peak penalties, identify bill errors and allocate energy costs. Real-time management and KPI reporting improve your operational efficiency.

### Cybersecurity

Stay connected while protecting people, electrical assets and valuable, sensitive information. Power Operation's third-party cybersecurity certifications provide peace of mind to give you operational confidence and helping you avoid malicious threats and safety hazards.



SCADA system for real-time situational awareness and cyber-resilient solutions



Maximize power reliability and uptime



Boost operational efficiency



Improve confidence in operations and security







Life Is 

**Schneider**  
Electric

## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurugram 122002 Haryana  
Tel.: ++91 124 6899000 Fax: ++91 124 4222036/037

**Ahmedabad**  
Schneider Electric India (P) Ltd.  
1506-1507, 15<sup>th</sup> Floor Shapth-5  
Opp.Karnavati Club, SG Highway,  
Ahmedabad, Gujarat - 380015  
Tel.: 079-66826701

**Coimbatore**  
Schneider Electric India (P) Ltd.  
Hanudev Info Tech Park, 6<sup>th</sup> Floor  
Unit No. Block-C, SF No. 558/2  
Udalyampalayam Road, Nava India  
Coimbatore - 641028

**Lucknow**  
Schneider Electric India (P) Ltd.  
Summit, Plot No. TCG 3/3  
6<sup>th</sup> Floor, 604A/B/C, Vibhuti Khand  
Gomti Nagar, Lucknow  
Uttar Pradesh - 226010  
Tel.: 0522-3500334

**Nashik**  
Schneider Electric India (P) Ltd.  
401, 4<sup>th</sup> Floor, Rishi Raj Towers  
Jehan Circle, Gangapur Road  
Nashik - 422013  
Tel.: 0253-2344333

**Bengaluru**  
Schneider Electric India (P) Ltd.  
No. 3/1, JP Techno Park  
Mezzanine Floor, Millers Tank Bund  
Road, Vasanth Nagar  
Bengaluru - 560052  
Tel.: 080-71481351

**Hyderabad**  
Schneider Electric India (P) Ltd.  
D.No. 1-8-271, # 401, Ashoka  
Bhoopal Chambers, SP Road  
Secunderabad - 500003  
Tel.: 040-67219500

**Ludhiana**  
Schneider Electric India (P) Ltd.  
SCO 23, 2nd Floor,  
Chandigarh Road, Sector 32  
Ludhiana, Punjab -141010  
Tel.: 0161- 5203011

**New Delhi**  
Schneider Electric India (P) Ltd.  
C-56, Mayapuri Industrial Area, Phase-2  
New Delhi - 110064  
Tel.: 011-61317400

**Bhubaneswar**  
Schneider Electric India (P) Ltd.  
Workloop Co-Working in the property Of-  
fice No. 316, Esplanade One Mall  
Rasulgarh, Bhubaneswar - 751010

**Indore**  
Schneider Electric India (P) Ltd.  
219, Dhan Trident Building  
Vijay Nagar, A.B.Road  
Indore - 452001

**Mohali**  
Schneider Electric India (P) Ltd.  
2nd Floor, Tower-A  
Bestech Business Tower  
Mega Information & Technology Park  
Industrial Plot No.1, Phase IX  
(Expansion), Mohali - 160059  
Tel.: 0172-7198200

**Pune**  
Schneider Electric India (P) Ltd.  
Amar Caliber, CTS No 911, BMCC Road,  
OFF F.C. Road, Deccan Gymkhana,  
Shivaji Nagar, Pune - 411007  
Tel.: 020-67492500

**Chennai**  
Schneider Electric India (P) Ltd.  
No: 29, 2<sup>nd</sup> Floor,  
Bannari Amman Towers, B-Block  
Dr. Radhakrishnan Road, Mylapore  
Chennai - 600 004  
Tel.:044-71912000

**Jaipur**  
Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309  
3<sup>rd</sup> Floor, Sangam Tower 190  
Church Road, Jaipur - 302001  
Tel.: 0141-2374810

**Mumbai**  
Schneider Electric India (P)( Ltd)  
Marwah House, 2<sup>nd</sup> Floor  
Krishanlal Marwah Marg  
Andheri (East), Mumbai - 400072  
Tel.: 022-62280000

**Vadodara**  
Schneider Electric India (P) Ltd.  
Notus IT Park, 10<sup>th</sup> Floor, Block-D  
Sarabhai Campus, Vadiwadi  
Vadodara, Gujarat - 390017

**Cochin**  
Schneider Electric India (P) Ltd.  
Alapatt Properties Private Limited  
(Trade Name : Centre A)  
Main Door Number : 66/4971  
(Old Door Number: 40/6584-H)  
7<sup>th</sup> Floor Alapatt Heritage Building  
MG Road Kochi - 682035

**Kolkata**  
Schneider Electric (I) Pvt.Ltd,  
BP-4, Sector-V, Technopolis  
3<sup>rd</sup> Floor, Salt Lake City  
Kolkata - 700 091  
Tel.: 033-66576400

**Nagpur**  
Schneider Electric India (P) Ltd.  
6, Vasant Vihar Complex  
W.H.C Road, Shankar Nagar  
Nagpur - 440010  
Tel.: 0712-2558581

**Vishakhapatnam**  
Schneider Electric India (P) Ltd.  
D.N.10-1-43, 1<sup>st</sup> Floor  
Ratnam's Business Centre,  
Siripuram Fort, C.B.M.Compound  
Visakhapatnam - 530016  
Tel.: 0891-6675500

### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.  
Toll-free numbers: 1800 419 4272, 1800 103 0011  
Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

For more information, visit our website at: [www.se.com/in](http://www.se.com/in)

- All Prices are in Indian Rupees.
- Prices are subject to change without prior notice.
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice.
- Prices charged will be as prevailing on the date of dispatch.
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %
- Tax incidence on invoices is basis applicable GST rates.
- Invoice amount not to exceed MRP.
- Product pictures shown are for illustration purpose only, actual product may vary.

**Distributor**

Life Is On

Schneider  
Electric

 PriceList

# Switching and Controlling Products

With effect from January 30<sup>th</sup>, 2023



[se.com/in](https://se.com/in)



**EasyPact TVS**

- > EasyPact TVS Power Contactors (3 Pole) ..... 06
- > EasyPact TVS Power Contactors (4 Pole) ..... 07
- > EasyPact TVS Contactor Accessories..... 08
- > EasyPact TVS Thermal Overload Relay..... 09
- > EasyPact TVS Circuit Breaker for Motor Protection..... 10

**TeSys Control**

- > TeSys K Control Relays ..... 16
- > TeSys K Power Contactors ..... 16
- > TeSys K Accessories..... 17
- > TeSys Deca Control Relays ..... 18
- > TeSys Deca Power Contactors (3 Pole)..... 18
- > TeSys Deca Power Contactors (4 Pole)..... 19
- > TeSys Deca Green ..... 20
- > TeSys Deca Green Electric Coil Contactor ..... 21
- > TeSys Deca Accessories..... 22
- > TeSys Giga Power Contactors..... 29
- > TeSys H Ultra compact..... 30

**TeSys Protect**

- > TeSys Overload Relay ..... 33
- > TeSys Electronic Over Current Relay ..... 35

**TeSys Power**

- > TeSys Motor Circuit Breakers ..... 38
- > GV4LE ..... 39
- > GV4PE ..... 39
- > Accessories for GV4..... 40
- > Auxiliary Contact Blocks ..... 40
- > Circuit Breakers for Motor Protection Accessories ..... 41

**TeSys Switches**

- > TeSys Switches..... 45

**TeSys Active**

- > TeSys island ..... 47
- > TeSys U ..... 50
- > TeSys T - iMCC Relays ..... 53

**Selection Table**

- > Type 2 Co-ordination Charts .....55 to 60
- > Type 2 Co-ordination chart with TeSys Giga range.....61 to 65
- > Type 2 Recommended Selection Charts .....66 to 72

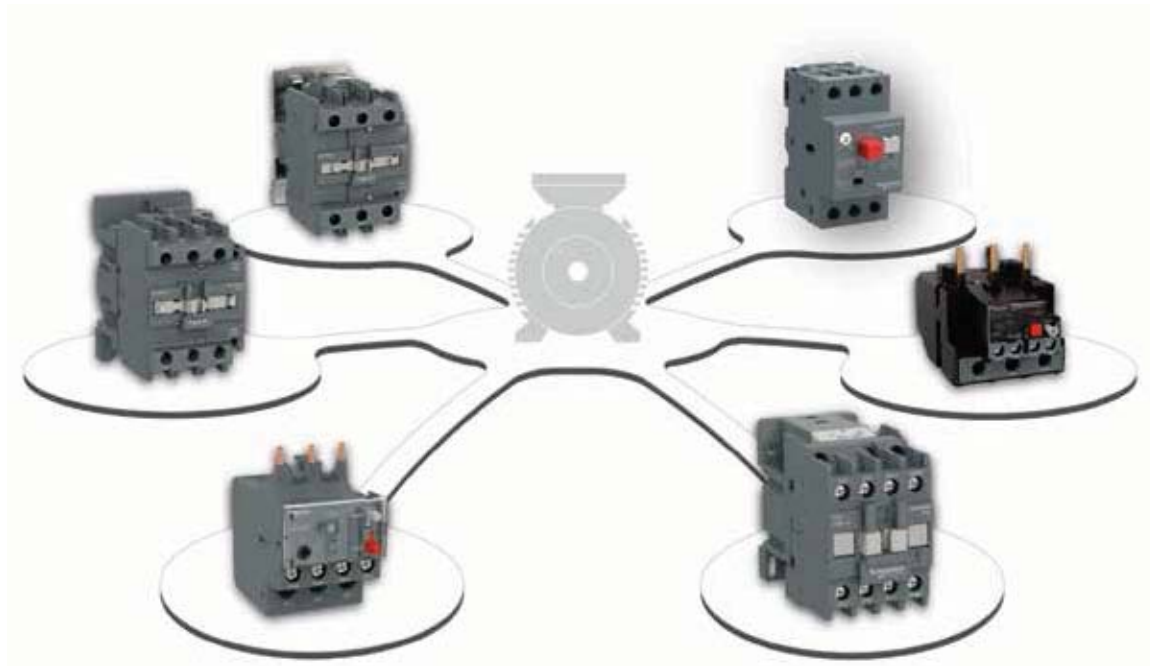


# EasyPact TVS

The Easy choice for simplicity and flexibility

- 3 Pole and 4 Pole Power Contactor
- Control Relays
- Thermal Overload Relay
- Circuit Breaker for Motor Protection
- Accessories

A2L certified  
upto 50A  
for HVAC  
applications



EasyPact TVS  
Catalogue

**Designed for the Essential**



Selection Charts for  
Motor Feeders for  
IE2/IE3 Motors with  
EasyPact TVS

W.E.F. January 30<sup>th</sup>, 2023

## Power Contactors - ETVS (3 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 6A to 630A, AC-3 Rating
- Type 2 RSC available with Fuse, MPCB and MCCB

| Frame   | [le] Rated Operational Current |      | Motor Power at 415V, 3Ph, 50Hz |       | Auxiliary Contacts |   | Reference                                     | Unit MRP [₹] |
|---------|--------------------------------|------|--------------------------------|-------|--------------------|---|---|--------------|
|         | AC-1                           | AC-3 | HP                             | kW    | NO                 | NC  |   |              |
| FRAME-1 | 20                             | 6    | 3                              | 2.2   | -                  | 1   | LC1E0601* <input checked="" type="checkbox"/> | 1260         |
|         |                                |      |                                |       | 1                  | -   | LC1E0610* <input checked="" type="checkbox"/> |              |
|         | 25                             | 9    | 5.5                            | 4     | -                  | 1   | LC1E0901* <input checked="" type="checkbox"/> | 1295         |
|         |                                |      |                                |       | 1                  | -   | LC1E0910* <input checked="" type="checkbox"/> |              |
|         | 25                             | 12   | 7.5                            | 5.5   | -                  | 1   | LC1E1201* <input checked="" type="checkbox"/> | 1475         |
|         |                                |      |                                |       | 1                  | -   | LC1E1210* <input checked="" type="checkbox"/> |              |
| 32      | 18                             | 12   | 9                              | -     | 1                  | LC1E1801* <input checked="" type="checkbox"/> | 1700  |              |
|         |                                |      |                                | 1     | -                  | LC1E1810* <input checked="" type="checkbox"/> |   |              |
| 36      | 25                             | 15   | 11                             | -     | 1                  | LC1E2501* <input checked="" type="checkbox"/> | 2320  |              |
|         |                                |      |                                | 1     | -                  | LC1E2510* <input checked="" type="checkbox"/> |   |              |
| FRAME-2 | 50                             | 32   | 20                             | 15    | -                  | 1   | LC1E3201* <input checked="" type="checkbox"/> | 4860         |
|         |                                |      |                                |       | 1                  | -   | LC1E3210* <input checked="" type="checkbox"/> |              |
|         | 50                             | 38   | 25                             | 18.5  | -                  | 1   | LC1E3801* <input checked="" type="checkbox"/> | 5745         |
|         |                                |      |                                |       | 1                  | -   | LC1E3810* <input checked="" type="checkbox"/> |              |
| 50      | 40                             | 29   | 22                             | -     | 1                  | LC1E40B01**                                   | 6125  |              |
|         |                                |      |                                | 1     | -                  | LC1E40B10**                                   |   |              |
| FRAME-3 | 60                             | 40   | 29                             | 22    | 1                  | 1   | LC1E40* <input checked="" type="checkbox"/>   | 7610         |
|         |                                |      |                                |       | 1                  | 1   | LC1E50* <input checked="" type="checkbox"/>   |              |
|         | 70                             | 50   | 34                             | 25/30 | 1                  | 1   | LC1E50* <input checked="" type="checkbox"/>   | 9255         |
| 80      | 65                             | 50   | 37                             | -     | -                  | LC1E65* <input checked="" type="checkbox"/>   | 12540   |              |
|         |                                |      |                                | 1     | 1                  | LC1E65* <input checked="" type="checkbox"/>   |   |              |

| Frame   | [le] Rated Operational Current |      | Motor Power at 415V, 3Ph, 50Hz |     | Auxiliary Contacts |    | Reference                                   | Unit MRP [₹] |
|---------|--------------------------------|------|--------------------------------|-----|--------------------|----|---|--------------|
|         | AC-1                           | AC-3 | HP                             | kW  | NO                 | NC |   |              |
| FRAME-4 | 110                            | 80   | 60                             | 45  | 1                  | 1  | LC1E80* <input checked="" type="checkbox"/> | 16305        |
|         | 120                            | 95   | 60                             | 45  | 1                  | 1  | LC1E95* <input checked="" type="checkbox"/> | 19545        |
| FRAME-5 | 150                            | 120  | 75                             | 55  | 1                  | 1  | LC1E120*                                    | 23285        |
|         | 200                            | 160  | 120                            | 90  | 1                  | 1  | LC1E160*                                    | 30745        |
| FRAME-6 | 250                            | 200  | 150                            | 110 | -                  | -  | LC1E200*                                    | 42315        |
|         | 300                            | 250  | 175                            | 132 | -                  | -  | LC1E250*                                    | 55765        |
| FRAME-7 | 320                            | 300  | 215                            | 160 | -                  | -  | LC1E300*                                    | 68650        |
|         | 500                            | 400  | 295                            | 220 | -                  | -  | LC1E400*                                    | 85675        |
| FRAME-8 | 700                            | 500  | 375                            | 280 | -                  | -  | LC1E500*                                    | 120675       |
| FRAME-9 | 1000                           | 630  | 500                            | 375 | -                  | -  | LC1E630*                                    | 169755       |

\* Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

### Spare Coil for Contactors

| Contactors               | Reference |
|--------------------------|-----------|
| <b>3 Pole Contactors</b> |           |
| LC1E06...E25             | LAEX12**  |
| LC1E32/E38               | LAEX2**   |
| LC1E40/E65               | LAEX3**   |
| LC1E80/E95               | LAEX4**   |
| LC1E120/E160             | LAEX5**   |
| LC1E200/E250             | LAEX6**   |
| LC1E300                  | LAEX7**   |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

\*\* For more information contact regional sales office

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# EasyPact TVS

## Power Contactors - ETVS (4 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 20A to 125A, AC-1 rating
- Available in 4NO and 2NO+2NC Power Pole combination
- Wide Band Coil for all ratings in 220 & 415V AC

| Frame   | AC-1 Rating | Power Poles | Reference    | Unit MRP [₹] | Power Poles | Reference    | Unit MRP [₹] |
|---------|-------------|-------------|--------------|--------------|-------------|--------------|--------------|
| FRAME-1 | 20          | 4NO         | LC1E06004*IN | 1615         | 2NO + 2NC   | LC1E06008*IN | 1930         |
|         | 25          | 4NO         | LC1E09004*IN | 1715         | 2NO + 2NC   | LC1E09008*IN | 2080         |
|         | 32          | 4NO         | LC1E12004*IN | 1785         | 2NO + 2NC   | LC1E12008*IN | 2225         |
|         | 40          | 4NO         | LC1E18004*IN | 2225         | 2NO + 2NC   | LC1E18008*IN | 2240         |
| FRAME-2 | 50          | 4NO         | LC1E25004*IN | 2820         | 2NO + 2NC   | LC1E25008*IN | 4005         |
|         | 55          | 4NO         | LC1E32004*IN | 4755         | 2NO + 2NC   | LC1E32008*IN | 7545         |
|         | 60          | 4NO         | LC1E38004*IN | 5565         | 2NO + 2NC   | LC1E38008*IN | 7870         |
| FRAME-3 | 75          | 4NO         | LC1E40004*IN | 8675         | 2NO + 2NC   | LC1E40008*IN | 11660        |
|         | 85          | 4NO         | LC1E65004*IN | 11735        | 2NO + 2NC   | LC1E65008*IN | 14575        |

| Frame   | AC-1 Rating | Power Poles | Reference    | Unit MRP [₹] | Power Poles | Reference    | Unit MRP [₹] |
|---------|-------------|-------------|--------------|--------------|-------------|--------------|--------------|
| FRAME-4 | 110         | 4NO         | LC1E80004*IN | 14865        | 2NO + 2NC   | LC1E80008*IN | 20695        |
|         | 125         | 4NO         | LC1E95004*   | 16760        |             |              |              |

\* Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

## Control Relays - CAE, Conformance to IEC60947-5-1, CE Marking

| Auxiliary Contacts |    | Reference | Unit MRP [₹] |
|--------------------|----|-----------|--------------|
| NO                 | NC |           |              |
| 4                  | 0  | CAE40*    | 1360         |
| 3                  | 1  | CAE31*    |              |
| 2                  | 2  | CAE22*    |              |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

## Spare Coil for Contactors

| Contactors                | Reference |
|---------------------------|-----------|
| <b>4 Pole Contactors</b>  |           |
| LC1E0600*.... LC1E1800*   | LAEX1T**  |
| LC1E2500*.... LC1E3800*   | LAEX2T**  |
| LC1E4000*....LC1E9500*    | LAEX4T**  |
| <b>Control Contactors</b> |           |
| CAE*                      | LAEX12**  |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

## Coil Voltage Code

| * Voltage (V AC)                   | 24 | 110 | 220  | 415  |
|------------------------------------|----|-----|------|------|
| LC1E0600*...9500* 50/60 Hz         | B7 | F7  | -    | -    |
| LC1E0600*...9500* 50 Hz/ Wide Band | -  | -   | M5WB | N5WB |
| Control relay CAE 50 Hz            | B5 | F5  | M5   | N5   |

### Note:

For non standard voltages (Except 110 and 220 V AC) please consult Customer Care for prices

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## Accessories - For ETVS Contactors

| Description             | For Use with                   | Mounting | Contacts | Reference                                  | Unit MRP [₹] |
|-------------------------|--------------------------------|----------|----------|--|--------------|
| Auxiliary contact block | LC1E06..E630 & LC1E0600..E9500 | FRONT    | 1NO+1NC  | LAEN11 <input checked="" type="checkbox"/> | 400          |
|                         |                                |          | 2NO      | LAEN20 <input checked="" type="checkbox"/> |              |
|                         |                                |          | 2NC      | LAEN02 <input checked="" type="checkbox"/> | 475          |
|                         |                                |          | 2NO+2NC  | LAEN22 <input checked="" type="checkbox"/> | 730          |
|                         |                                |          | 4NO      | LAEN40 <input checked="" type="checkbox"/> |              |
| Star delta timer        | LC1E25..E630                   |          |          | LAETSD <input checked="" type="checkbox"/> | 3310         |

# For 415v control supply please contact customer care team

| Description       | For Use with | Coil Voltage | Reference | Unit MRP [₹] |
|-------------------|--------------|--------------|-----------|--------------|
| Surge suppressor* | LC1E06...E95 | 24..48V AC   | LAERCE    | 2190         |
|                   | LC1E06...E95 | 110..240V AC | LAERCU    | 930          |

\*For higher rating contactors, contact nearest sales office

| Description          | For Use with                       | Reference | Unit MRP [₹] |
|----------------------|------------------------------------|-----------|--------------|
| Mechanical Interlock | LC1E06..E65 & LC1E0600*..E3800*    | LAEM1     | 830          |
|                      | LC1E80/E95 & LC1E4000*...LC1E9500* | LAEM4     | 2700         |
|                      | LC1E120..E160                      | LAEM5     | 5035         |
|                      | LC1E200/E250                       | LAEM6     | 5130         |

\*Reference to be completed by adding coil voltage

### 3 Pole Accessories Compatibility

| Contactor | Built in contacts | LAEN** | LAERC* | LAEM |
|-----------|-------------------|--------|--------|------|
| LC1E06    | 1NO or 1NC        | 1      | 1      | 1    |
| LC1E09    |                   |        |        |      |
| LC1E12    |                   |        |        |      |
| LC1E18    |                   |        |        |      |
| LC1E25    |                   |        |        |      |
| LC1E32    |                   |        |        |      |
| LC1E38    |                   |        |        |      |
| LC1E40B   | 1NO + 1NC         | 1      | 1      | 1    |
| LC1E40    |                   |        |        |      |
| LC1E50    |                   |        |        |      |
| LC1E65    |                   |        |        |      |
| LC1E80    |                   |        |        |      |
| LC1E95    |                   |        |        |      |
| LC1E120   |                   |        |        |      |
| LC1E160   |                   |        |        |      |
| LC1E200   |                   |        |        |      |
| LC1E250   |                   |        |        |      |
| LC1E300   |                   |        |        |      |
| LC1E400   |                   |        |        |      |
| LC1E500   |                   |        |        |      |
| LC1E630   |                   |        |        |      |

### 4 Pole Accessories Compatibility

| Contactor | LAEN** | LAEM | LAERC* |
|-----------|--------|------|--------|
| LC1E06    | 1      | 1    | 1      |
| LC1E09    |        |      |        |
| LC1E12    |        |      |        |
| LC1E18    |        |      |        |
| LC1E25    |        |      |        |
| LC1E32    |        |      |        |
| LC1E38    |        |      |        |
| LC1E40    |        |      |        |
| LC1E50    |        |      |        |
| LC1E65    |        |      |        |
| LC1E80    |        |      |        |
| LC1E95    |        |      |        |

### Control Relay Accessories Compatibility

| Control Relay | LAEN*                                     | LAERC |
|---------------|---|-------|
| CAE           | 1 of LAEN11 or LAEN20 or LAEN02 or LAEN22 | 1     |

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# EasyPact TVS

## Thermal Overload Relay - ETVS



- Conformance to IEC 60947-4-1, CE Marking
- Range : 0.1A to 630A
- Tripping Class : 10A
- Direct & Independent mounting

| Thermal Protection Adjustment Range | For Use with Contactor | Reference | Unit MRP [₹] |
|-------------------------------------|------------------------|-----------|--------------|
| <b>LRE</b>                          |                        |           |              |
| 0.25...0.4                          | E06...E38              | LRE03     | 2155         |
| 0.4...0.63                          | E06...E38              | LRE04     |              |
| 0.63...1                            | E06...E38              | LRE05 ✓   |              |
| 1...1.6                             | E06...E38              | LRE06 ✓   |              |
| 1.6...2.5                           | E06...E38              | LRE07 ✓   |              |
| 2.5...4                             | E06...E38              | LRE08 ✓   |              |
| 4...6                               | E06...E38              | LRE10 ✓   |              |
| 5.5...8                             | E09...E38              | LRE12 ✓   |              |
| 7...10                              | E09...E38              | LRE14 ✓   |              |
| 9...13                              | E12...E38              | LRE16 ✓   |              |
| 12...18                             | E18...E38              | LRE21 ✓   | 2385         |
| 16...24                             | E25...E38              | LRE22 ✓   | 2760         |
| 23...32                             | E25...E38              | LRE32 ✓   | 3690         |
| 30...38                             | E38                    | LRE35 ✓   | 4155         |
| 17...25                             | E40...E95              | LRE322    | 4690         |
| 23...32                             | E40...E95              | LRE353    |              |
| 30...40                             | E40...E95              | LRE355    |              |
| 37...50                             | E50...E95              | LRE357 ✓  |              |
| 48...65                             | E65...E95              | LRE359    | 6150         |

| Thermal Protection Adjustment Range | For Use with Contactor | Reference | Unit MRP [₹] |
|-------------------------------------|------------------------|-----------|--------------|
| <b>LRE</b>                          |                        |           |              |
| 55...70                             | E80...E95              | LRE361    | 7290         |
| 63...80                             | E80...E95              | LRE363    | 7610         |
| 80...104                            | E95                    | LRE365    |              |
| 51...81                             | E120...E300            | LRE480    | 14250        |
| 62...99                             | E120...E300            | LRE481    |              |
| 84...135                            | E120...E300            | LRE482    |              |
| 124...198                           | E160...E300            | LRE483    |              |
| 146...234                           | E200...E300            | LRE484    |              |
| 174...279                           | E250...E300            | LRE485    | 15530        |
| 208...333                           | E300                   | LRE486    |              |
| 258...414                           | E300...E400            | LRE487    |              |

### Accessories for Relay

| Accessory               | For Relay       | Reference | Unit MRP [₹] |
|-------------------------|-----------------|-----------|--------------|
| Separate Mounting Block | LRE01...LRE35   | LAEB1     | 750          |
|                         | LRE322...LRE365 | LAEB3     | 1725         |

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# EasyPact TVS

## Circuit Breaker for Motor Protection - GZ1E - Pushbutton control



- Conformance to IEC60947-1,-2,-4, CE Marking
- Range : 0.1A to 32A
- Breaking Capacity upto 100KA

## Motor Protection Circuit Breaker - ETVS

| Breaking Capacity<br>at 415 V 50 Hz                     | Motor Power AC3** |      | Thermal Protection<br>Adjustment Range<br>(A) | Reference | Unit MRP<br>[₹] |
|---|-------------------|------|---|-----------|-----------------|
|   | kW                | hP   |   |           |                 |
| <b>GZ1-E Thermal Magnetic - With Pushbutton Control</b> |                   |      |   |           |                 |
| 100 kA  | -                 | -    | 0.1 - 0.16                                    | GZ1E01    | 3915            |
|   | 0.06              | -    | 0.16 - 0.25                                   | GZ1E02    |                 |
|   | 0.09              | -    | 0.25 - 0.40                                   | GZ1E03    |                 |
|   | 0.18              | -    | 0.40 - 0.63                                   | GZ1E04    |                 |
|   | 0.37              | 0.5  | 0.63 - 1.0                                    | GZ1E05    |                 |
|   | 0.55              | 0.75 | 1.0 - 1.6                                     | GZ1E06    |                 |
|   | 0.75              | 1    | 1.6 - 2.5                                     | GZ1E07    |                 |
|   | 1.1               | 2    | 2.5 - 4                                       | GZ1E08    |                 |
|   | 2.2               | 3    | 4 - 6.3                                       | GZ1E10    |                 |
|   | 3                 | 5.5  | 6 - 10  | GZ1E14    |                 |
| 10 kA*  | 5.5               | 7.5  | 9 - 14  | GZ1E16    | 4945            |
|   | 7.5               | 10   | 13 - 18                                       | GZ1E20    | 5575            |
|   | 9                 | 12.5 | 17 - 23                                       | GZ1E21    | 6060            |
|   | 11                | 15   | 20 - 25                                       | GZ1E22    | 6390            |
|   | 15                | 20   | 24 - 32                                       | GZ1E32    | 6710            |
|   |                   |      |   |           | 11975           |

| Breaking Capacity<br>at 415 V 50 Hz             | Motor Power AC3** |      | Magnetic Protection<br>(A) | Reference | Unit MRP<br>[₹] |
|---|-------------------|------|----------------------------|-----------|-----------------|
|   | kW                | hP   |                            |           |                 |
| <b>GZ1-LE Magnetic- With Pushbutton Control</b> |                   |      |                            |           |                 |
| 100 kA  | 0.09              | -    | 0.4                        | GZ1LE03   | 2860            |
|   | 0.18              | -    | 0.63                       | GZ1LE04   |                 |
|   | 0.37              | 0.5  | 1                          | GZ1LE05   |                 |
|   | 0.55              | 0.75 | 1.6                        | GZ1LE06   |                 |
|   | 0.75              | 1    | 2.5                        | GZ1LE07   |                 |
|   | 1.1               | 2    | 4                          | GZ1LE08   |                 |
|   | 2.2               | 3    | 6.3                        | GZ1LE10   |                 |
|   | 3                 | 5.5  | 10                         | GZ1LE14   |                 |
|   | 5.5               | 7.5  | 14                         | GZ1LE16   |                 |
|   | 10 kA*            | 7.5  | 10                         | 18        |                 |
| 11  |                   | 15   | 25                         | GZ1LE22   |                 |
| 15  |                   | 20   | 32                         | GZ1LE32   |                 |
|   |                   |      |                            |           | 3665            |

\* 50kA With current Limiter type GV1L3

## Accessories - ETVS Circuit Breaker for Motor Protection

| Description                | Mounting        | Contacts | Reference | Unit MRP<br>[₹] |
|----------------------------|-----------------|----------|-----------|-----------------|
| Auxiliary Contact<br>Block | LH side Mounted | 1NO+1NC  | GZ1AN11   | 730             |
|                            |                 | 2NO      | GZ1AN20   | 950             |

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# Green Premium™

An industry leading portfolio of offers delivering sustainable value



More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACh substance information
- Industry leading # of PEP's\*
- Circularity instructions



Discover what we mean by green  
**Check your products!**

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

#### CO2 and P&L impact through... Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO<sub>2</sub> emissions.

#### Cost of ownership optimization through... Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

#### Peace of mind through... Well-being Performance

Green Premium products are RoHS and REACh compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

#### Improved sales through... Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.



# TeSys

> Control > Protect > Power > Active

## Innovative and connected solutions for motor starters

TeSys is an innovative motor control and management solution from the global market leader. TeSys offers connected, efficient products and solutions for switching and protection of motors and electrical loads in compliance with all major global electrical standards

## TeSys Function Names

TeSys components are grouped by function name, for easier identification. These functions are related to motor, power, control and protection.

### > TeSys Power:

Components for powering motors



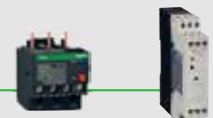
### > TeSys Control:

Components for controlling motors



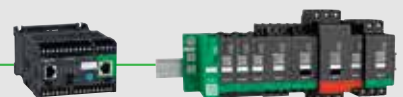
### > TeSys Protect:

Components for protecting motors



### > TeSys Active:

Connected components for motor circuits





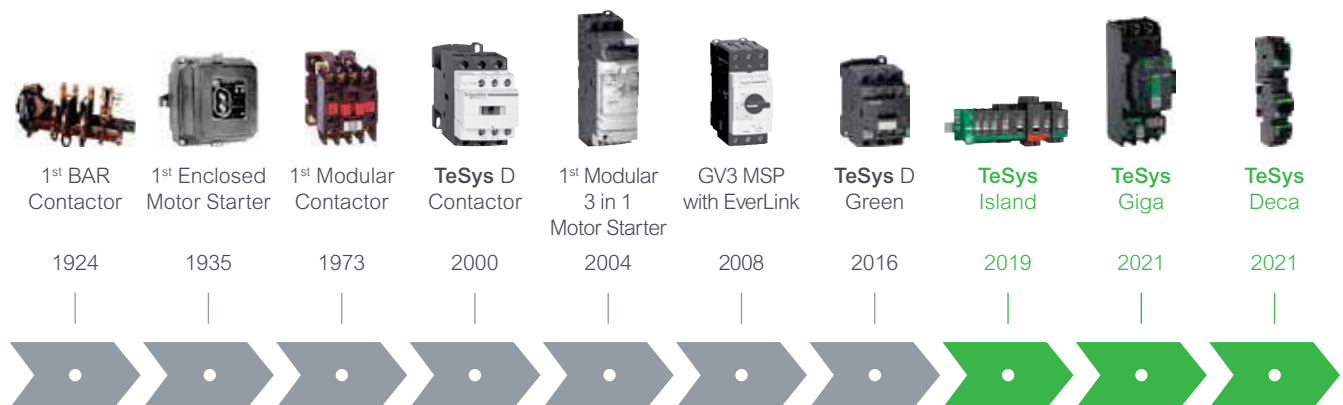
# Start smart. Run smart. With TeSys motor controls.

Stay smart with the world's best-selling motor control solutions from the inventor of the world's first contactor - Schneider Electric™.

For almost a century, TeSys motor controls have driven the industry with innovations in motor protection, monitoring, and control.

It started with the introduction of the industry's first BAR contactor in 1924, and today, the legacy of innovation is built into every TeSys motor control device. Best-in-class safety and reliability, plug-and-play architecture, and flexible functionality mean TeSys motor control solutions can meet your requirements across a wide range of applications, from the most common to the most advanced.

Wherever you are and anywhere your projects come together, you can trust Schneider Electric and TeSys contactors, circuit breakers, relays, and switches for unmatched reliability, complete compatibility with international standards, and the robust support of the Schneider Electric global supply network. Start smart, run smart and stay smart with TeSys motor controls.



How do everlinks improve power connection reliability?



For more information on switching and motor management scan!

# Superior safety for all industries

**TeSys** motor controls come with all of the isolation, protection and emergency handling you need to comply with international codes. High-contrast covers identify safety-critical devices to prevent inadvertent manual operation. Every **TeSys** contactor is both mechanically linked and equipped with mirror contacts for safety applications and wherever auxiliary contact state reliability is critical.



## HVAC

Ensure 24/7 availability of your HVAC system with reliable products that can reach high ambient temperatures without derating.



## Conveying

Decentralize the control cabinet of your conveyor line and benefit from up to 80% space reduction.



## Genset

Make certain your generator starts even in the harshest conditions with our robust solutions.



## Pumping

Optimize single or multi-drive boosters for industry or infrastructure with energy and cost-effective solutions.



## Packaging

Keep pace with the most demanding, high-end packing applications with our solutions



## Oil and Gas

Keep your employees and assets safe and improve uptime in onshore and offshore applications: pipeline operations: LNG and natural gas processing: and refining and petrochemical applications.



## Water and Wastewater

Optimize the treatment and delivery of safer water by reducing energy usage and lowering operating costs.



## Food and Beverage

Serve your customers with environmentally friendly products to improve sustainability, efficiency, and flexibility, allowing you to adapt to changing customer habits.

## Online selection tool

### EcoStruxure™ Motor Control Configurator

For Direct-On-Line and Star-Delta starters, motor circuit breakers with advanced protection, motor management relays, configurations for total coordination, drives, and soft starters.

No matter what kind of starting method you need, our online **EcoStruxure™ Motor Control Starter Configurator** will help you to quickly and easily select the optimal combination of components to ensure maximized motor safety, protection, and uptime.



Scan or click on the QR code

# TeSys Range

## TeSys Component Series Names

Series names are now grouped as per the current ratings

- Series names group conventional components (circuit breakers, contactors, relays, overcurrent relays) by current rating ranges.
  - 0 to 16 A > **TeSys K** Series
  - 9 to 150 A > **TeSys 'Deca'** Series
  - 185 to 800 A > **TeSys 'Giga'** Series.
- TeSys advanced components have a specific classification.
  - 0 to 38 A All-in-one starters > **TeSys 'Ultra'** Series
  - 0 to 80 A Motor Control/Protection/Monitoring system > **TeSys 'island'** Series.
- Other TeSys component names remain unchanged (TeSys F, TeSys B, TeSys T).

### > TeSys K Series

The essential line for motors up to 7.5kW/16A direct on TeSys K series of Motor Starters



### > TeSys Deca Series

The industrial standard for motors up to 75kW/150A direct on TeSys Deca series of Motor Starters



### > TeSys Giga Series

For large motors up to 450kW/800A direct on TeSys Giga Series



### > TeSys Ultra Series

The most compact totally coordinated solution for Motor Starters. For Direct On Line or Reversing Motor Control and Drive Protection upto 18.5kW/38 A on TeSys Ultra series



### > TeSys Island Series

Digitally powered monitoring, control and protection of electrical motors up to 37kW/80 A on TeSys Island Series





# TeSys Control

## TeSys K

### Control Relays - K Model (AC & DC Control)



- Conformance IEC, UL, CSA, CE Marking
- Inbuilt 4 auxiliary contacts
- 10A thermal rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options

| No of Poles | AC Control Reference | Unit MRP [₹] | DC Control Reference (4) | Unit MRP [₹] | DC low consumption Reference (1) (2) (3) | Unit MRP [₹] |
|-------------|----------------------|--------------|--------------------------|--------------|--|--------------|
| 2NO + 2NC   | CA2KN22*             | 1700         | CA3KN22**                | 2345         | CA4KN22***                               | 2905         |
| 3NO + 1NC   | CA2KN31*             |              | CA3KN31**                |              | CA4KN31***                               |              |
| 4NO         | CA2KN40*             | CA4KN40***   |                          |              |  |              |

- (1) Compatible with PLC outputs  
 (2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard  
 (3) 2 pole auxiliary contact block can be mounted additionally  
 (4) Optional in-built surge suppressor available

### Power Contactors - K Model (3 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 6A to 16A, AC-3 duty
- 1NO or 1NC inbuilt auxiliary contact
- Available in 3P & 4P version
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption<sup>(5)</sup> coil options

| [Ie] Rated Operational Current (A) | Motor Power (kW) | Auxiliary Contacts | AC Control Reference | Unit MRP [₹] | DC Control Reference <sup>(5)</sup> | Unit MRP [₹] |
|------------------------------------|------------------|--------------------|----------------------|--------------|-------------------------------------|--------------|
| 6                                  | 3                | 1NC                | LC1K0601*            | 1430         | LP1K0601**                          | 2210         |
|                                    |                  | 1NO                | LC1K0610*            |              | LP1K0610**                          |              |
| 9                                  | 5.5              | 1NC                | LC1K0901*            | 1495         | LP1K0901**                          | 2405         |
|                                    |                  | 1NO                | LC1K0910*            |              | LP1K0910**                          |              |
| 12                                 | 7.5              | 1NC                | LC1K1201*            | 1690         | LP1K1201**                          | 2790         |
|                                    |                  | 1NO                | LC1K1210*            |              | LP1K1210**                          |              |
| 16                                 | 10               | 1NC                | LC1K1601*            | 1995         | -                                   | -            |
|                                    |                  | 1NO                | LC1K1610*            |              | -                                   | -            |

(5) For low consumption offer, please contact regional sales office

### Reversing Contactors - K Model



- Conformance to IEC, UL, CSA, CE
- Current Rating : 6A to 16A, AC-3 duty
- 1NO or 1NC inbuilt auxiliary contact
- Available in 3P & 4P version
- Available with AC(50/60Hz Dual frequency), DC & DC low consumption<sup>(6)</sup> coil options

| [Ie] Rated Operational Current (A) | Motor Power (kW) | Auxiliary Contacts | AC Control Reference | Unit MRP [₹] |
|------------------------------------|------------------|--------------------|----------------------|--------------|
| 6                                  | 3                | 1NC                | LC2K0601*            | 4755         |
|                                    |                  | 1NO                | LC2K0610*            |              |
| 9                                  | 5.5              | 1NC                | LC2K0901*            | 5075         |
|                                    |                  | 1NO                | LC2K0910*            |              |
| 12                                 | 7.5              | 1NC                | LC2K1201*            | 5230         |
|                                    |                  | 1NO                | LC2K1210*            |              |
| 16                                 | 10               | 1NC                | LC2K1601*            | 7030         |
|                                    |                  | 1NO                | LC2K1610*            |              |

\* Reference to be completed by adding coil voltage code  
 (6) For current rating and ref please contact Customer Care

### Coil Voltage Code

| Type                  | Voltage                        | 24  | 48  | 72  | 110 | 220 | 415 |
|-----------------------|--------------------------------|-----|-----|-----|-----|-----|-----|
| AC*                   | CA2KN, LC1-K06 to K16, 50/60Hz | B7  | -   | -   | F7  | M7  | N7  |
|                       | LC2-K06 to K16, 50/60Hz        | -   | -   | -   | F7  | M7  | N7  |
| DC**                  | CA3KN, LP1-K06 to K12          | BD  | -   | -   | FD  | MD  | -   |
| DC low consumption*** | CA4KN                          | BW3 | EW3 | SW3 | -   | -   | -   |

**Note:** (1) For Non standard coil voltage (Except 110, 240 V AC and 24 V DC) prices please contact customer care.  
 (2) Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team rating.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys K

### Accessories - K Model

| Description             | Mounting | Contacts  | Reference                                   | Unit MRP [₹] |
|-------------------------|----------|-----------|---|--------------|
| Auxiliary contact block | Front    | 2NC       | LA1KN02                                     | 770          |
|                         |          | 1NO + 1NC | LA1KN11 <input checked="" type="checkbox"/> | 705          |
|                         |          | 2NO       | LA1KN20                                     | 770          |
|                         |          | 4NC       | LA1KN04                                     | 1190         |
|                         |          | 1NO + 3NC | LA1KN13                                     |              |
|                         |          | 2NO + 2NC | LA1KN22 <input checked="" type="checkbox"/> |              |
|                         |          | 3NO + 1NC | LA1KN31                                     |              |
|                         |          | 4NO       | LA1KN40                                     |              |

| Description               | Control Voltage | Range  | Reference               | Unit MRP [₹] |
|---------------------------|-----------------|--------|-------------------------|--------------|
| On Delay Electronic Timer | 24..48V AC/DC   | 1..30S | LA2KT2E <sup>(1)</sup>  | 3890         |
|                           | 110..240V AC    | 1..30S | LA2KT2UA <sup>(1)</sup> |              |

| Description                   | Coil Voltage    | Reference | Unit MRP [₹] |
|-------------------------------|-----------------|-----------|--------------|
| Surge Suppressor - RC Circuit | 220..250V AC    | LA4KA1U*  | 1215         |
| Surge Suppressor - Varistor   | 130..250V AC/DC | LA4KE1UG* |              |
| Surge Suppressor - Varistor   | 50..129V AC/DC  | LA4KE1FC* |              |

\* Lot size 5

(1) Front mounted with common point changeover contact

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

The next-generation TeSys Deca series motor starters offer a reliable and robust solution for a faster machine time-to-market. It has a new modern look & feel and is designed to meet the requirements of Electro domestic applications. Ease of operation and reliability is guaranteed with the new multi-standard screws. Digital customer experience is enhanced with a QR embedded from product to packaging.

### TeSys Deca Control Contactors (AC & DC Control)



- Conformance to IEC, UL, CSA
- 5 inbuilt auxiliary contacts, in just 2 variants
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature upto 60 Deg C
- Inbuilt surge suppressor for DC & DC low consumption

| No of Poles | AC Control Reference | Unit MRP [₹] | DC Control Reference <sup>(2)</sup> | Unit MRP [₹] | DC low consumption Reference <sup>(1) (2) (3)</sup> | Unit MRP [₹] |
|-------------|----------------------|--------------|-------------------------------------|--------------|---|--------------|
| 3NO + 2NC   | CAD32*               | 1810         | CAD32**                             | 2590         | CAD32***  | 3240         |
| 5NO         | CAD50*               |              | CAD50**                             |              | CAD50***  |              |

(1) Compatible with PLC outputs

(2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard

(3) 2 pole auxiliary block can be mounted

### TeSys Deca Power Contactors (3P AC & DC)



- Conformance to IEC, UL, CSA
- Current Rating : 9A to 150A
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature, no derating upto 60 Deg C
- Inbuilt 1NO + 1NC auxiliary contacts upto 150A
- High electrical and mechanical life
- Fuse-less Type 2 Co-ordination Charts available
- EverLink® terminal for 40, 50, 65 & 80A contactors
- Inbuilt surge suppressor in DC coil for 9-80A

| [le] Rated Operational Current AC-1 | AC-3 Duty |      |     | Auxiliary Contacts | AC Control Reference                         | Unit MRP [₹] | DC Control Reference <sup>(1)</sup>          | Unit MRP [₹] |
|-------------------------------------|-----------|------|-----|--------------------|--|--------------|--|--------------|
|                                     | kW        | HP   | A   |                    |  |              |  |              |
| 25                                  | 4         | 5.5  | 9   | 1NO + 1NC          | LC1D09* <input checked="" type="checkbox"/>  | 1815         | LC1D09** <input checked="" type="checkbox"/> | 2865         |
|                                     | 5.5       | 7.5  | 12  | 1NO + 1NC          | LC1D12* <input checked="" type="checkbox"/>  | 2040         | LC1D12** <input checked="" type="checkbox"/> | 3225         |
| 32                                  | 9         | 12.5 | 18  | 1NO + 1NC          | LC1D18* <input checked="" type="checkbox"/>  | 2370         | LC1D18** <input checked="" type="checkbox"/> | 3970         |
| 40                                  | 11        | 15   | 25  | 1NO + 1NC          | LC1D25* <input checked="" type="checkbox"/>  | 2930         | LC1D25** <input checked="" type="checkbox"/> | 5020         |
| 50                                  | 15        | 20   | 32  | 1NO + 1NC          | LC1D32* <input checked="" type="checkbox"/>  | 5700         | LC1D32** <input checked="" type="checkbox"/> | 10235        |
|                                     | 18.5      | 25   | 38  | 1NO + 1NC          | LC1D38* <input checked="" type="checkbox"/>  | 8220         | LC1D38** <input checked="" type="checkbox"/> | 12095        |
| 60                                  | 22        | 30   | 40  | 1NO + 1NC          | LC1D40A* <input checked="" type="checkbox"/> | 8625         | LC1D40A#                                     | 14490        |
| 80                                  | 25        | 35   | 50  | 1NO + 1NC          | LC1D50A* <input checked="" type="checkbox"/> | 11240        | LC1D50A#                                     | 18180        |
| 80                                  | 37        | 50   | 65  | 1NO + 1NC          | LC1D65A* <input checked="" type="checkbox"/> | 15595        | LC1D65A#                                     | 20615        |
| 80                                  | 37        | 50   | 80  | 1NO + 1NC          | LC1D80A* <input checked="" type="checkbox"/> | 19490        | LC1D80A#                                     | 25025        |
| 125                                 | 45        | 60   | 80  | 1NO + 1NC          | LC1D80* <input checked="" type="checkbox"/>  | 23585        | LC1D80**                                     | 28000        |
|                                     | 45        | 60   | 95  | 1NO + 1NC          | LC1D95* <input checked="" type="checkbox"/>  | 25100        | LC1D95**                                     | 30685        |
| 250                                 | 59        | 80   | 115 | 1NO + 1NC          | LC1D115* <input checked="" type="checkbox"/> | 30890        | LC1D115**                                    | 36265        |
|                                     | 80        | 110  | 150 | 1NO + 1NC          | LC1D150* <input checked="" type="checkbox"/> | 38615        | LC1D150**                                    | 43520        |

\* Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

### TeSys Deca Power Contactors (3 Pole DC Low Consumption)

Now available upto 80A with the TeSys Deca Green Low Consumption offer

| [Ie] Rated Operational Current AC-1 | kW  | Motor Power AC-3 HP | A  | Auxiliary Contacts | Reference                                      | Unit MRP [₹] |
|-------------------------------------|-----|---------------------|----|--------------------|--|--------------|
| 25                                  | 4   | 5.5                 | 9  | 1NO + 1NC          | LC1D09**** <input checked="" type="checkbox"/> | 3145         |
|                                     | 5.5 | 7.5                 | 12 | 1NO + 1NC          | LC1D12**** <input checked="" type="checkbox"/> | 3520         |
| 32                                  | 9   | 12.5                | 18 | 1NO + 1NC          | LC1D18**** <input checked="" type="checkbox"/> | 5380         |
| 40                                  | 11  | 15                  | 25 | 1NO + 1NC          | LC1D25**** <input checked="" type="checkbox"/> | 6555         |
| 50                                  | 15  | 20                  | 32 | 1NO + 1NC          | LC1D32**** <input checked="" type="checkbox"/> | 11210        |

| [Ie] Rated Operational Current AC-1 | kW | Motor Power AC-3 HP | A  | Auxiliary Contacts | Reference | Unit MRP [₹] |
|-------------------------------------|----|---------------------|----|--------------------|-----------|--------------|
| 60                                  | 22 | 30                  | 40 | 1NO + 1NC          | LC1D40A#  | 14490        |
| 80                                  | 25 | 35                  | 50 | 1NO + 1NC          | LC1D50A#  | 18180        |
| 80                                  | 37 | 50                  | 65 | 1NO + 1NC          | LC1D65A#  | 20615        |
| 80                                  | 37 | 50                  | 80 | 1NO + 1NC          | LC1D80A#  | 25025        |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### TeSys Deca Power Contactors (4 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 20A to 250A, AC-1 Rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption (1) coil options
- High Operating ambient temperature, no derating upto 60 deg C

| [Ie] Rated Operational Current AC-1 | Poles Composition | AC Control Reference | Unit MRP [₹] | DC Control Reference | Unit MRP [₹] |
|-------------------------------------|-------------------|----------------------|--------------|----------------------|--------------|
| 20                                  | 4NO               | -                    | -            | LC1DT20**            | 3450         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D098**            | 3755         |
| 25                                  | 4NO               | -                    | -            | LC1DT25**            | 4140         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D128**            | 5405         |
| 32                                  | 4NO               | -                    | -            | LC1DT32**            | 4550         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D188**            | 6155         |
| 40                                  | 4NO               | -                    | -            | LC1DT40**            | 7135         |
|                                     | 2NO + 2NC         | -                    | -            | LC1D258**            | 9405         |
| 60                                  | 4NO               | -                    | -            | LC1DT60A#            | 14280        |
|                                     | 2NO + 2NC         | -                    | -            | LP1D40008**          | 18765        |

| [Ie] Rated Operational Current AC-1 | Poles Composition | AC Control Reference | Unit MRP [₹] | DC Control Reference | Unit MRP [₹] |
|-------------------------------------|-------------------|----------------------|--------------|----------------------|--------------|
| 80                                  | 4NO               | -                    | -            | LC1DT80A#            | 21300        |
|                                     | 2NO + 2NC         | -                    | -            | LP1D65008**          | 25225        |
| 125                                 | 4NO               | -                    | -            | LP1D80004**          | 27325        |
|                                     | 2NO + 2NC         | -                    | -            | LP1D80008**          | 31530        |
| 250                                 | 4NO               | LC1D1150046*         | 34440        | LC1D1150046**        | 38260        |

\* Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

### Coil Voltage Code

| Type                  | Voltage   | 24 | 48 | 72 | 110 | 220 | 415 |
|-----------------------|---|----|----|----|-----|-----|-----|
| AC*                   | CAD, LC1D09-D150 50/60 Hz                       | B7 | -  | -  | F7  | M7  | N7  |
|                       | LC1D1150046 50/60 Hz                            | -  | -  | -  | F7  | M7  | N7  |
| DC**                  | CAD, LC1D09-D38, LC1D80-D150                    | BD | -  | -  | FD  | MD  | -   |
|                       | LC1DT20-DT40, LC1D098-D258, LP1D40-D80, LC1D115 | BD | -  | -  | FD  | MD  | -   |
| DC Low Consumption*** | CAD   | BL | -  | -  | FL  | ML  | -   |
|                       | LC1D09-D32                                      | BL | EL | SL | -   | -   | -   |

| Type              | Voltage                     | 24V DC Low consumption | 24-60V AC/DC | 48-130V AC/DC | 100-250V AC/DC |
|-------------------|-----------------------------|------------------------|--------------|---------------|----------------|
| TeSys Deca Green# | LC1D40A-80A, LC1DT60A-DT80A | BBE                    | BNE          | EHE           | KUE            |

**Note:** Please contact Customer Care for 4 Pole AC coil contactor details

For Non standard coil voltage prices please contact customer care

(1) For current rating and ref please contact Customer Care

(2) Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# TeSys Deca Green

## The Revolutionary Electronic Coil Contactor



Complete range in 3 frame sizes:

09-12-18A

25-32-38A

40-50-65-80A

 -80%

Up to 80% less energy consumption than a traditional electromechanical motor starter

10X Reduction  
in references

Only 3 references to cover the complete voltage range for AC and DC

 -35%

Highest currents in smallest size, e.g.

PLC Compatible

Direct connection to a PLC without the need for an interposing relay

SEMIF47

High uptime thanks to wide band coil with high resistance to voltage surges/SEMIF47 conform



Scan to see TeSys Deca Green under voltage performance.

# TeSys Control

## TeSys Deca

### TeSys Deca Green Contactor (3 Pole AC/DC Universal Coil)



- Current Rating: 9-65A
- Universal AC/DC coil from 24 - 250V
- Special low consumption offer from 40-80A
- Fuseless Type 2 Co-ordination charts available

### The Revolutionary Electronic Coil Contactor

| [Ie] Rated<br>Operational Current AC-1 | AC-3 Duty (Long Life) |      |    | Auxiliary<br>Contacts | Reference | Unit MRP<br>[₹] |
|--|-----------------------|------|----|-----------------------|-----------|-----------------|
|  | kW                    | HP   | A  |                       |           |                 |
| 25                                     | 4                     | 5.5  | 9  | 1NO + 1NC             | LC1D09*   | 3735            |
|  | 5.5                   | 7.5  | 12 | 1NO + 1NC             | LC1D12*   | 3870            |
| 32                                     | 9                     | 12.5 | 18 | 1NO + 1NC             | LC1D18*   | 5110            |
| 40                                     | 11                    | 15   | 25 | 1NO + 1NC             | LC1D25*   | 6100            |
| 50                                     | 15                    | 20   | 32 | 1NO + 1NC             | LC1D32*   | 12395           |
|  | 18.5                  | 25   | 38 | 1NO + 1NC             | LC1D38*   | 13375           |
| 60                                     | 22                    | 30   | 40 | 1NO + 1NC             | LC1D40A*  | 14490           |
| 80                                     | 25                    | 35   | 50 | 1NO + 1NC             | LC1D50A*  | 18180           |
| 80                                     | 37                    | 50   | 65 | 1NO + 1NC             | LC1D65A*  | 20615           |

### TeSys Deca Green Power Contactors (4 Pole AC & DC Control)

| [Ie] Rated<br>Operational Current AC-1 | Poles Composition | Auxiliary Contacts | DC Control<br>Reference | Unit MRP<br>[₹] |
|--|-------------------|--------------------|-------------------------|-----------------|
| 60                                     | 4NO               | 1NO + 1NC          | LC1DT60A*               | 14280           |
| 80                                     | 4NO               | 1NO + 1NC          | LC1DT80A*               | 21300           |

### Coil Voltage Code

| Type                    | Voltage   | 24-60V AC/DC      | 48-130V AC/DC | 100-250V AC/DC |
|-------------------------|---|-------------------|---------------|----------------|
| AC/DC*                  | LC1D09 - D38,<br>LC1D40A - 80A,<br>LC1DT60A - 80A | BNE               | EHE           | KUE            |
| 24V DC Low Consumption* | LC1D40A - 80A,<br>LC1DT60A - 80A                  | BBE (24V DC only) | -             | -              |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team



Check the features of  
the TeSys Deca Green

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

| Description  | For use with  | Reference              | Unit MRP [₹] |
|--|---|------------------------|--------------|
| <b>Power connection accessories</b>                |   |                        |              |
| Terminal block                                     | For supply to one or more GV2 G busbar sets                         | GV1G09                 | 2235         |
| Set of 63A busbars for parallelling of contactors  | 2 contactors LC1D09...D18 or D25...D38                              | GV2G245                | 2165         |
|  | 4 contactors LC1D09...D18 or D25...D38                              | GV2G445                | 3405         |
| Set of 115A busbars for parallelling of contactors | 2 contactors LC1D40A...D80A   | GV3G264                | 3890         |
|  | 3 contactors LC1D40A...D80A   | GV3G364 <sup>(1)</sup> | 2080         |
| Set of S-shape busbars                             | For circuit breakers GV3P** & GV3L** and contactors LC1 D40A...D65A | GV3S                   | 1555         |

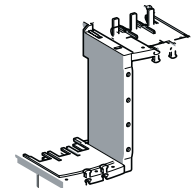
\*\*Not applicable for GV3P/GV3L 73A and 80A



GV2G245



GV1G09



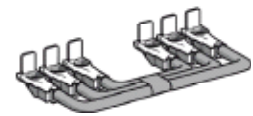
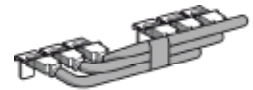
GV3S

| Description          | For use with                               | Reference | Unit MRP [₹] |
|----------------------|--|-----------|--------------|
| Mechanical interlock | LC1D09 to D38(1)                           | LAD9V2    | 795          |
|                      | LC1D40A to D65A(1)                         | LAD4CM    | 1620         |
|                      | LC1D80 and D95 ( for AC control voltage)   | LA9D4002  | 3545         |
|                      | LC1D80 and D95 (for DC control voltage)(2) | LA9D8002  | 5280         |
|                      | LC1D115 and D150(2)                        | LA9D11502 | 5355         |

(1) With this set of busbars, any one contactor can be supplied directly by its EverLink® double cage power terminal block. The other two contactors are supplied by the busbar set. The 115A limitation is therefore applied to these two contactors.

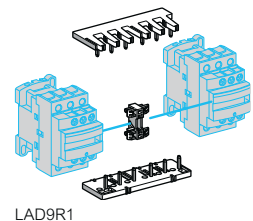
(2) With electrical interlock

| Description                           | For use with                             | Reference | Unit MRP [₹] |
|---------------------------------------|--|-----------|--------------|
| <b>Power Connection for Reversing</b> |  |           |              |
| Kit Comprising :                      |  | LAD9V5    | 660          |
| 1. A set of parallel bars             | LC1D09 to D38                            | LAD9V6    | 825          |
| 2. A set of reverser bars.            | LC1D40A to D80A                          | LA9D65A69 | 3445         |
|                                       | LC1D80 and D95 ( for AC control voltage) | LA9D8069  | 7370         |
|                                       | LC1D80 and D95 (for DC control voltage)  | LA9D8069  | 7370         |
|                                       | LC1D115 and D150                         | LA9D11569 | 12260        |

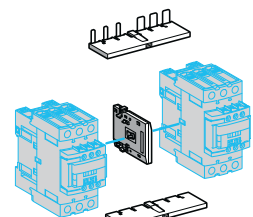


LA9 D8069

| Description   | For use with    | Reference | Unit MRP [₹] |
|---|-----------------|-----------|--------------|
| <b>Reversing Kit</b>  |                 |           |              |
| Kit Comprising :  |                 | LAD9R1V   | 1655         |
| 1. A mechanical interlock LAD 9V2 with electrical interlocking LAD 9V1    | LC1D09 to D38   | LAD9R1V   | 1655         |
| 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing). |                 |           |              |
| Kit Comprising :  |                 | LAD9R1    | 1640         |
| 1. A mechanical interlock LAD 9V2 without electrical interlocking         | LC1D09 to D38   | LAD9R1    | 1640         |
| 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing). |                 |           |              |
| Kit Comprising :  |                 | LAD9R3    | 3930         |
| 1. A mechanical interlock LAD 4CM   | LC1D40A to D80A | LAD9R3    | 3930         |
| 2. A set of power connections LA9 D65A69.                                 |                 |           |              |



LAD9R1



LAD9R3

| Description  | For use with     | Reference | Unit MRP [₹] |
|--|------------------|-----------|--------------|
| <b>Star Delta Kit</b>  |                  |           |              |
| Time delay contact block LAD S2 (LC1D09...D80),                              | LC1D09 and D12   | LAD91217  | 6215         |
| Power circuit connections (LC1D09...D80),                                    | LC1D18 to D32    | LAD93217  | 7995         |
| Hardware required for fixing the contactors onto the mounting plate (LC1D80) | LC1D40A and D50A | LAD9SD3   | 16155        |
|  | LC1D80           | LA9D8017  | 17940        |



LAD91217



LAD9SD3



LA9D8017

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

| Description  | Time Delay Range | Timer Type | Reference | Unit MRP [₹] |
|--|------------------|------------|-----------|--------------|
| On delay timer <sup>(1) (2)</sup>                  | 15...30 s        | on delay   | LA4DT2U   | 5965         |
| On delay timer <sup>(1) (2)</sup>                  | 0.1...2 s        | on delay   | LA4DT0U   |              |
| On delay timer <sup>(1) (2)</sup>                  | 25...500 s       | on delay   | LA4DT4U   | 6685         |
| Relay interface module - 24V DC <sup>(1) (2)</sup> | -                | -          | LA4DFB    | 5495         |

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3.

(2) For LC1D80...150 (3P), direct mounting, for 100-250V AC Coils only.

| Description                                     | For use with   | Reference | Unit MRP [₹] |
|---|--|-----------|--------------|
| <b>TeSys Deca Model Mechanical Latch Blocks</b> |  |           |              |
| Front, Clip-on                                  | LC1D09...D38 (a or c)<br>LC1DT20...DT40 (a or c)<br>LC1D40A...D65A (3P a or c)<br>LC1DT60A and DT80A (4P a or c)           | LAD6K10*  | 7170         |
|   | LC1D80...D150 (3P a)<br>LC1D80 and D115 (3 P c)<br>LC1D80 (4 P a)<br>LC1D80 and D115 (4 P a)<br>LP1D80 and LC1D115 (4 P c) | LA6DK20*  | 7485         |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### Coil Voltage Code

| VOLTAGE (AC/DC) | 24 | 42/48 | 110/127 | 220/240 | 380/415 |
|-----------------|----|-------|---------|---------|---------|
| Code            | B  | E     | F       | M       | Q       |

### Spare Coils TeSys Deca Model

| Product Compatibility                 | Reference |
|---------------------------------------|-----------|
| <b>AC Coils</b>                       |           |
| CAD, LC1-D09...D38, DT20..40          | LXD1*     |
| LC1D40A, D50A, D65A & LC1DT60A, DT80A | LXD3*     |
| D80 & D95 (3P & 4P)                   | LX1D6*    |
| LC1-D115, D150                        | LX1D8*    |
| <b>DC Coils</b>                       |           |
| LC1-D80-D95                           | LX4D7**   |
| LC1-D115, D150                        | LX4D8**   |

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### Coil Voltage Code

| Type | Voltage (V)  | 24 | 110 | 220 | 415 |
|------|--|----|-----|-----|-----|
| AC*  | CAD, LC1-D09...D38, DT20..40, LC1 - D150, LC1D40A, D50A, D65A & LC1DT60A, DT80A, LC1D150 LC1D80, D95, D115 | B7 | F7  | M7  | N7  |

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# TeSys Control

## TeSys Deca

### Accessories

| Description                                       | For use With              | Contacts      | Reference | Unit MRP [₹] |      |
|---|---------------------------|---------------|-----------|--------------|------|
| <b>Add On Blocks</b>                              |                           |               |           |              |      |
| Additional instantaneous auxiliary contact blocks | LC1D09 ...LC1D150 & LC1F* | Front Mounted | 1NO + 1NC | LADN11       | 535  |
|   |                           |               | 2NO       | LADN20 ✓     |      |
|   |                           |               | 2NC       | LADN02       | 845  |
|   |                           |               | 2NO + 2NC | LADN22 ✓     | 965  |
|   |                           |               | 4NC       | LADN04       | 1400 |
|   |                           |               | 4NO       | LADN40 ✓     | 965  |
|   | 1NO + 3NC                 | LADN13        |           |              |      |
|   | LC1D80..LC1D95 & LC1F     | Front Mounted | 1NO       | LADN10       | 470  |
|   |                           |               | 1NC       | LADN01       |      |

| Description                                       |                             | Contacts            | Reference | Unit MRP [₹] |
|---|-----------------------------|---------------------|-----------|--------------|
| <b>Add On Blocks</b>                              |                             |                     |           |              |
| Additional instantaneous auxiliary contact blocks | Side Mounted <sup>(1)</sup> | 1NO + 1NC           | LAD8N11   | 2020         |
|   |                             | 2NO                 | LAD8N20   |              |
| Pneumatic timer blocks front mounted              | ON delay                    | 1NO + 1NC 0.1..3s   | LADT0     | 3845         |
|   |                             | 1NO + 1NC 0.1..30s  | LADT2     |              |
|   |                             | 1NO + 1NC 10..180s  | LADT4     | 4105         |
|   | 1NO + 1NC 1..30s (2)        | LADS2 ✓             |           |              |
|   | 1NO + 1NC 0.1 ..3s          | LADR0               | 3845      |              |
|   | OFF delay                   | 1NO + 1NC 0.1 ..30s |           | LADR2 ✓      |
| 1NO + 1NC 10..180s                                |                             | LADR4               |           |              |

(1) Suitable for mounting on TeSys Deca range AC Coil Contactors and Control Relays only

(2) With Switching time of 40 ms between opening of the NC contact and closing of the NO contact recommended for Star - Delta Starters

### Accessories compatibility

| Contactors        |                          | Instantaneous Auxiliary Contacts |                         |           |            |       | Time delay Front Mounted |      |
|-------------------|--------------------------|----------------------------------|-------------------------|-----------|------------|-------|--------------------------|------|
| Type              | Number of Poles and Size | Side mounted                     | Front mounted           |           |            |       |                          |      |
|                   |                          |                                  | 1 contact               | 2 contact | 4 contacts |       |                          |      |
| AC & AC/DC        | 3P                       | LC1D09...D38                     | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1D40A...D80A                   | 1 on LH or 1 on RH side | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1D80 and D95A (50/60 Hz)       | 1 on each side          | or        | 2          | and 1 | or 1                     | or 1 |
|                   |                          | LC1D80 and D95A (50 or 60 Hz)    | 1 on each side          | and       | 2          | and 2 | or 1                     | or 1 |
|                   |                          | LC1D115 and D150                 | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   | 4P                       | LC1DT20...DT40                   | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1DT60A and DT80A               | 1 on LH or 1 on RH side | and       | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1D40008, D65008 and D80        | 1 on each side          | or        | 1          | or 1  | or 1                     | or 1 |
|                   |                          | LC1D115                          | 1 on each side          | and       | 1          | or 1  | or 1                     | or 1 |
|                   |                          | LC1D09...D38                     | -                       | -         | -          | 1     | or 1                     | or 1 |
| DC                | 3P                       | LC1D40A...D80A                   | -                       | -         | 1          | or 1  | or 1                     |      |
|                   |                          | LC1D80 and D95                   | -                       | -         | 1          | or 1  | or 1                     |      |
|                   |                          | LC1D115 and D150                 | 1 on LH side            | and       | -          | 1     | or 1                     | or 1 |
|                   | 4P                       | LC1DT20...DT40                   | -                       | -         | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1DT60A and DT80A               | -                       | -         | -          | 1     | or 1                     | or 1 |
|                   |                          | LC1D40008, D65008 and D80        | -                       | -         | 2          | and 1 | or 1                     | or 1 |
|                   |                          | LC1D115                          | 1 on each side          | -         | -          | and 1 | or 1                     | or 1 |
| LC <sup>(3)</sup> | 3P                       | LC1D09...D38                     | -                       | -         | 1          | -     | -                        |      |
|                   | 3P                       | LC1DT20...DT40                   | -                       | -         | 1          | -     | -                        |      |

(3) LC : Low consumption

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

### Accessories

| Description                   | For use with | Reference   | Unit MRP [₹] |
|-------------------------------|--------------|-------------|--------------|
| <b>For Contactor D115/150</b> |              |             |              |
| Contacts set - 3P             | LC1D115      | LA5D1158031 | 23480        |
| Contacts set - 3P             | LC1D150      | LA5D150803  | 24340        |
| Contacts set - 4P             | LC1D1150046  | LA5D115804  | 32365        |

| Product Compatibility  | Fixing | Control Circuit Voltage | Suppressor Type | Reference                                   | Unit MRP [₹] |
|--|--------|-------------------------|-----------------|---|--------------|
| <b>Coil Suppressor Modules</b>   |        |                         |                 |   |              |
| LC1D12...D25 (4P)  | Screw  | 110...240V AC           | RC Circuit AC   | LA4DA1U                                     | 1840         |
| LC1D12...D25 (4P)  |        | 12...250V DC            | Diode DC        | LA4DC1U                                     | 2060         |
| LC1D09...D38, LC2D09...D38,<br>LC1DT20...DT40, LC2DT20...DT40 (3P)       |        | 24...48V AC             | Varistor AC/DC  | LAD4VE                                      | 1785         |
|  |        | 24...48V AC 400Hz       | RC Circuit AC   | LAD4RCE                                     | 1615         |
|  |        | 50...127V AC 200Hz      | RC Circuit AC   | LAD4RCG                                     | 1615         |
| CAD  |        | 110...240V AC 100Hz     | RC Circuit AC   | LAD4RCU <input checked="" type="checkbox"/> | 1785         |
|  |        | 110...250V AC           | Varistor AC/DC  | LAD4VU                                      | 1785         |
| LC1D80, LC1D95, LC2D80, LC2D95 (3P)<br>LC2D80 (4P), LC1D40008, LC1D65008 |        | 24...250V DC            | Diode DC        | LA4DC3U                                     | 1840         |
|  |        | 110...250V AC           | Varistor AC/DC  | LA4DE2U                                     | 1760         |
|  |        | 24...48V AC 400Hz       | RC Circuit AC   | LA4DA2E                                     | 2775         |
|  |        | 50...127V AC 200Hz      | RC Circuit AC   | LA4DA2G                                     | 2775         |
|  |        | 110...240V AC 100Hz     | RC Circuit AC   | LA4DA2U                                     | 1840         |
|  |        | 380...415V AC 150Hz     | RC Circuit AC   | LA4DA2N                                     | 2775         |
|  |        | 24...48V DC             | Varistor AC/DC  | LA4DE3E                                     | 1840         |

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## TeSys Deca

Modular marking system simplifies identification of standard contactors in the control panel to enhance visibility of the safety chain

### Simple, customisable modular marking system

#### Standard TeSys Deca contactors

Easy-to-attach covers:



Auxiliary blocks with safety chain identification also available for more contact points:

#### Standard TeSys Ultra motor starters

Translucent labels to identify safety-chain devices:



Flexibility to customise contactors included in the safety chain during panel building



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles

### Complete safety-chain identification system

#### TeSys Deca range

Retrofit contactor safety covers



LAD9ET1S  
9A upto 65A



LAD9ET3S  
80A to 95A



LAD9ET4S  
110A to 150A



LADN22S  
2NO + 2NC

Also available for CAD32/CAD50

#### TeSys Ultra range

Retrofit identification label



LU9ET1S

### Built in Safety

TeSys Ultra motor starters are certified according to IEC 60947-4-1 for safety applications thanks to integrated mirror contact

| Description  | For use with                    | Reference | Unit MRP [₹] |
|--|---------------------------------|-----------|--------------|
| Red Cover (For safety chain indication)                                  | LC1D09...D65A and DT20 .. DT80A | LAD9ET1S  | 765          |
| Auxiliary Contact block with red front face- for safety chain indication | 2NO + 2NC                       | LADN22S   | 1090         |

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



## New TeSys Giga Contactors and Relays Futuristic ready...

- **New generation** of high power contactors..115-800 A (AC-3)
- Advanced contact wear diagnostic for **predictive maintenance**
- **Modular design** for easy maintenance and short down times
- **Compact** design for less installation space consumption
- Less product references for **easier selection** and **reduced inventory**
- Right choice for a wide range of **demanding applications!!**



[se.com/in/TeSys](https://se.com/in/TeSys)

# TeSys Control

## TeSys Giga

A comprehensive range of TeSys Giga Contactors that are available in 'Advanced' and 'Standard' versions, in 3 sizes, covering several ratings.  
A common range of auxiliary contacts and accessories, enabling high flexibility and simplicity.

### > TeSys Giga Contactors - Standard version



#### Power & control

- 3 or 4 power poles
- 115 to 800A (AC-3)
- 200 to 1050A (AC-1)
- Embedded 1 NO + 1 NC auxiliary contacts
- Push-in type terminals for coils & control

#### Remote control

- 48-130V, 100-250V AC/DC coils
- Wide voltage range coils (direct coil control)
- Embedded surge-suppressor

#### Diagnostic

- Embedded wear diagnostic
- Embedded control voltages diagnostic
- Self diagnosis function
- Local alarm signaling (LED)

#### Mounting

- 'Cabling memory' adapter enables maintenance without removing power cables and busbar connections. (Provided as an accessory in standard version)

### > TeSys Giga Contactors - Advanced version



#### Power & control

- 3 or 4 power poles
- 115 to 800A (AC-3)
- 200 to 1050A (AC-1)
- Embedded 1 NO + 1 NC auxiliary contacts
- Push-in type terminals for coils & control

#### Remote control

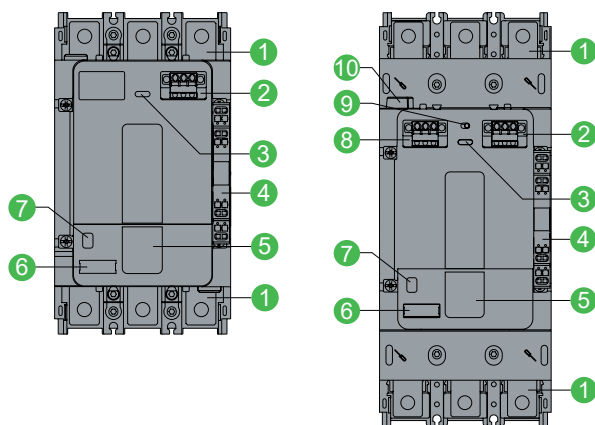
- 24-48V, 48-130V, 200-500V AC/DC coils
- Low consumption coils
- Wide voltage range coils (direct coil control)
- Digital control input (PLC output digital coil control)
- Embedded surge suppressor

#### Diagnostic

- Embedded wear diagnostic
- Embedded control voltages diagnostic
- Self diagnosis function
- Local alarm signaling (LED)
- Remote wear diagnostic signaling kit (accessory)

#### Mounting

- 'Cabling memory' adapter enables maintenance without removing power cables and busbar connections. (Provided as default in advanced version)



Standard (\*N) version

Advanced (\*A) version

- 1 Power connection (cable memory kit provided with Advanced version contactor)
- 2 A1-A2 coil terminal
- 3 Contact wear diagnosis LED
- 4 1 NO + 1 NC auxiliary contact
- 5 QR code
- 6 Label holder
- 7 Status indicator
- 8 PLC control terminal
- 9 PLC control ON/OFF switch
- 10 Connector for Remote Wear Diagnostic (RWD) module

\*Product references finishing by A or N.

# TeSys Control

## TeSys Giga

### TeSys Giga Power Contactors (3 Pole AC and DC)



#### Future ready:

Continuous local and remote monitoring of contact wear optimizes the predictive maintenance by allowing you to replace contacts only when necessary, facilitated by diagnostic visual indicator.

- Current Rating: 115-800<sup>(1)</sup> A AC3 rating; and AC1 upto 1050<sup>(1)</sup> A
- Universal AC/DC electronic wideband coil
- Fuseless Type 2 Co-ordination charts as per IEC60947-4-1 available
- Conformity to International Standards – IEC, UL, CSA, CE

| [Ie] Rated Operational Current AC-1 | Motor Power (Long Life) AC-3 |     |     | Standard version Reference | Unit MRP [₹] | Advanced version Reference | Unit MRP [₹] |
|-------------------------------------|------------------------------|-----|-----|----------------------------|--------------|----------------------------|--------------|
|                                     | kW                           | HP  | A   |                            |              |                            |              |
| 250                                 | 59                           | 80  | 115 | LC1G115***N                | 29540        | LC1G115***A                | On Request   |
| 275                                 | 80                           | 110 | 150 | LC1G150***N                | 37665        | LC1G150***A                |              |
| 305                                 | 100                          | 135 | 185 | LC1G185***N                | 46680        | LC1G185***A                |              |
| 330                                 | 110                          | 150 | 225 | LC1G225***N                | 50230        | LC1G225***A                |              |
| 385                                 | 140                          | 190 | 265 | LC1G265***N                | 61740        | LC1G265***A                |              |
| 440                                 | 180                          | 245 | 330 | LC1G330***N                | 74660        | LC1G330***A                |              |
| 550                                 | 220                          | 300 | 400 | LC1G400***N                | 90235        | LC1G400***A                |              |
| 700                                 | 280                          | 380 | 500 | LC1G500***N                | 125180       | LC1G500***A                |              |

### TeSys Giga Power Contactors (4 Pole AC and DC)

| [Ie] Rated Operational Current AC-1 | Power Pole Composition | Standard version Reference | Unit MRP [₹] | Advanced version Reference | Unit MRP [₹] |
|-------------------------------------|------------------------|----------------------------|--------------|----------------------------|--------------|
|                                     |                        |                            |              |                            |              |
| 275                                 | 4 NO                   | LC1G1504***N               | 55765        | LC1G1504***A               |              |
| 305                                 | 4 NO                   | LC1G1854***N               | 69680        | LC1G1854***A               |              |
| 330                                 | 4 NO                   | LC1G2254***N               | 81850        | LC1G2254***A               |              |
| 385                                 | 4 NO                   | LC1G2654***N               | 91515        | LC1G2654***A               |              |
| 440                                 | 4 NO                   | LC1G3304***N               | 106500       | LC1G3304***A               |              |
| 550                                 | 4 NO                   | LC1G4004***N               | 132360       | LC1G4004***A               |              |
| 700                                 | 4 NO                   | LC1G5004***N               | 195050       | LC1G5004***A               |              |

| Standard Coil Reference(***N) | Voltages (AC/DC) |
|-------------------------------|------------------|
| EHEN                          | 48-130           |
| KUEN                          | 100-250          |
| Standard Coil Reference(***A) | Voltages (AC/DC) |
| LSEA <sup>(1)</sup>           | 200-500          |
| BEEA <sup>(1) (2)</sup>       | 24-48            |

1: Advanced version (Price on request)

2: Available upto 500 A

Contactors prices are for the standard version (100-250 V AC/DC) and inclusive of coil.

Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team.

### Accessories - TeSys Giga

| Add On Blocks            | Push In Type Terminal | Position                    | Contacts | Reference | Unit MRP [₹] |
|--------------------------|-----------------------|-----------------------------|----------|-----------|--------------|
| Auxiliary contact module | 1st left or 1st right | Side Mounted <sup>(1)</sup> | 1 NO+1NC | LAG8N113P | 1325         |
|                          |                       | Side Mounted                | 2 NO     | LAG8N203P | 1720         |
|                          | 2nd left or right     | Side Mounted                | 1 NO+1NC | LAG8N113  | 1325         |
|                          |                       | Side Mounted                | 2 NO     | LAG8N203  | 1720         |

(1) Always supplied with TeSys Giga LC1G contactors, fitted to the right side lateral face.

| Mechanical interlock between contactors <sup>(1)</sup> | Reference | Unit MRP [₹] |
|--|-----------|--------------|
| <b>For Use With Contactor</b>                          |           |              |
| Between Identical contactor frames                     | LA9G970   | 2420         |
| Between LC1G(265-500) and LC1G(185-225)                | LA9G971   |              |
| LC1G630 to LC1G800 and LC1G265 to LC1G500              | LA9G972   | On Request   |

(1) Maximum 3 auxiliary contacts can be installed between 2 contactors with mechanical interlock kit.



EcoStruxure™ Motor Control Configuration



Product Selector for TeSys Giga



EcoStruxure™ Motor Management Design

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys H - Ultra Compact Hybrid Motor Starters

The most compact 3 KW / 400 V starter in the world



## Up to 75 % of space reduction

- Ultra-compact 22.5 mm starter
- Reversing starter in the same width
- Maximum space savings for group starter architecture

## Long electrical durability

- Suitable for high demanding application
- 30 000 000 of AC53a electrical cycles

> With printed QR code, referring directly to the product data sheet.

## Easy Design

- Wide range setting motor protection
- Automatic, manual or remote reset after thermal trip
- Wide range of control voltage

## Easy to integrate

- Direct mounting installation on DIN rail
- Control terminals on the upper side
- Power terminal on the lower side

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references









☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Protection Range

TeSys has the most rugged and reliable solution to manage motors

Please find a quick range overview below

|   | TeSys Power   |   | TeSys Protect   |   |   |   | TeSys Active  |   |              |
|---|---|---|---|---|---|---|---|---|--------------|
| Feature                                     | Motor Protection Circuit Breakers   |   | Overload Relays   |   | Multi function Relays   |   | TeSys Ultra   | TeSys T   | TeSys Island |
| TeSys Range of Products                     | GV2P, GV4P<br>GV3P, GV2ME   | GV4PEM  | LR2K, LRD, LR9D, LR9F   | LR9G  | EOCR  |   |   |   |              |
|   |  |  |  |  |  |  |  |  |              |
| Short circuit                               |   |   |   |   |   |   |   |   |              |
| Causes of overheating                       |   |   |   |   |   |   |   |   |              |
| Slight overload                             |   |   |   |   |   |   |   |   |              |
| Locked rotor                                |   |   |   |   |   |   |   |   |              |
| Ventilation fault With probes               |   |   |   |   |   |   | With Probes   | With Probes   |              |
| Abnormal temperature rise                   |   |   |   |   |   |   |   | With Probes   |              |
| Shaft bearing seizure                       |   |   |   |   |   |   |   |   |              |
| Insulation fault                            |   |   |   |   | With CBCT   |   |   |   |              |
| Long starting time<br>Adjustable Adjustable |   | Adjustable  |   |   | Adjustable  | Adjustable  | Adjustable  | Adjustable  |              |
| Heavy duty                                  |   |   | LR9D only   |   |   |   |   |   |              |
| Voltage variation<br>(Derived)              |   |   |   |   |   |   |   |   |              |
| Causes of phase variation                   |   |   |   |   |   |   |   |   |              |
| Phase reversal                              |   |   |   |   |   |   |   |   |              |
| Phase losses                                |   |   |   |   |   |   |   |   |              |
| Phase imbalance                             |   |   |   |   |   |   |   |   |              |
| Earth fault                                 | GV4P only   |   |   |   |   |   |   |   |              |
| Historic fault,<br>Pre-Alarming             |   |   |   | Possible<br>Pre alarm   |   |   |   |   |              |



# Protection Relays for Motor Safety

Providing Motor Safety  
tailored to your needs



# TeSys Protect

## TeSys K, TeSys Deca, TeSys F, TeSys Giga

### Thermal Overload Relays - TeSys K Series (Direct Mounting)



- Conformance to IEC, UL, CSA, CE
- Range : 0.1A to 16A
- Direct & Independent mounting
- Trip class 10A

| Thermal Protection Adjustment | For Use With                 | For Use With | Unit MRP [₹] |      |
|-------------------------------|------------------------------|--------------|--------------|------|
| 0.11...0.16                   | LC1K, LP1K, LP4K, LP2K, LC2K | LR2K0301     | 2455         |      |
| 0.16...0.23                   |                              | LR2K0302     |              |      |
| 0.23...0.36                   |                              | LR2K0303     |              |      |
| 0.36...0.54                   |                              | LR2K0304     |              |      |
| 0.54...0.8                    |                              | LR2K0305     |              |      |
| 0.8...1.2                     |                              | LR2K0306     |              |      |
| 1.2...1.8                     |                              | LR2K0307     |              |      |
| 1.8...2.6                     |                              | LR2K0308     |              |      |
| 2.6...3.7                     |                              | LR2K0310     |              |      |
| 3.7...5.5                     |                              | LR2K0312     |              |      |
| 5.5...8                       |                              | LR2K0314     |              |      |
| 8...11.5                      |                              | LR2K0316     |              |      |
| 10...14                       |                              | LR2K0321     |              | 2535 |
| 12...16                       |                              | LR2K0322     |              |      |

\*Note: Terminal Block for Clip-on Mounting LA7K0064

### Thermal Overload Relays - TeSys Deca Series



- Conformance to IEC, UL, CSA
- Range : 0.1A to 104A
- Higher operating temperature
- Tripping class 10A & 20 available
- Direct mounting on contactor is possible upto 95A

| Thermal Protection Adjustment Range | For Use With                  | Reference*           | Unit MRP [₹] |         |
|-------------------------------------|-------------------------------|----------------------|--------------|---------|
| <b>LRD Model (Direct Mounting)</b>  |                               |                      |              |         |
| 0.1...0.16                          | GV2L03, LE03, LC1D09...LC1D38 | LRD01                | 2470         |         |
| 0.16...0.25                         |                               | LRD02                |              |         |
| 0.25...0.4                          |                               | LRD03                |              |         |
| 0.4...0.63                          |                               | LRD04                |              |         |
| 0.63...1                            |                               | LRD05 ✓              |              |         |
| 1...1.6                             |                               | LRD06 ✓              |              |         |
| 1.6...2.5                           |                               | LRD07 ✓              |              |         |
| 2.5...4                             |                               | LRD08 ✓              |              |         |
| 4...6                               |                               | LRD10 ✓              |              |         |
| 5.5...8                             |                               | LRD12 ✓              |              |         |
| 7...10                              |                               | LRD14 ✓              |              |         |
| 9...13                              |                               | LRD16 ✓              |              |         |
| 12...18                             |                               | LRD21 ✓              |              | 2770    |
| 16...24                             |                               | GV2L22, LC1D25...D38 |              | LRD22 ✓ |
| 23...32                             | LC1D25...LC1D38, LC1D32       | LRD32 ✓              | 4590         |         |
| 30...38                             | LC1D32, LC1D38                | LRD35                |              |         |
| 23...32                             | LC1D40A...D65a                | LRD332               | 5080         |         |
| 30...38                             | LC1D80...LC1D95               | LRD3353              |              |         |
| 30...40                             | LC1D40A...D65a                | LRD340               |              |         |
| 30...40                             | LC1D80...LC1D95               | LRD3355              |              |         |
| 37...50                             | LC1D40A...D65a                | LRD350 ✓             | 6965         |         |
|                                     | LC1D80...LC1D95               | LRD3357              | 8330         |         |
| 48...65                             | LC1D40A...D65a                | LRD365               | 8940         |         |
| 62...80                             | LC1D80A                       | LRD380               | 9325         |         |
| 48...65                             | LC1D80...LC1D95               | LRD3359              | 8940         |         |
| 63...80                             | LC1D80...LC1D95               | LRD3363              | 9700         |         |
| 80...104                            | LC1D80, LC1D95                | LRD3365              | 11975        |         |

### Electronic Overload Relay - TeSys Deca Series



- Conformance to IEC, UL, CSA
- Range : 0.1A to 32A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5,10, 20 & 30
- Type 1 & Type 2 Co-ordination chart available

| Current Range | For Use With                 | Reference* | Unit MRP [₹] |
|---------------|------------------------------|------------|--------------|
| 0.1...0.5     | LC1D09 - 38A Direct Mounting | LR9D01     | 11215        |
| 0.4...2.0     |                              | LR9D02     | 11515        |
| 1.6...8.0     |                              | LR9D08     |              |
| 6.4...32      |                              | LR9D32     | 12880        |

\*Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205.

### Electronic Overload Relay - TeSys Giga Series



- Wide range of protection with only 4 references (28A to 630A)
- Switchable protection against ground fault and phase imbalance
- ON status and overload alarm signaling by LED
- Direct mounting of relay with contactors saving in panel space and installation time
- Selectable Trip class from 5E to class 30E to suit different application needs

| Thermal Protection Adjustment Range | Reference | Unit MRP [₹] |
|-------------------------------------|-----------|--------------|
| 28...115 A                          | LR9G115   | 19080        |
| 57...225 A                          | LR9G225   | 22260        |
| 125...500 A                         | LR9G500   | 26180        |
| 160...630 A                         | LR9G630*  | on request   |

\*Note:

- For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106
- For LRD33\*\* - Terminal Block for clip-on Mounting LA7D3064 ✓
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560
- The LRD relays can be used for AC or DC current up to 104A
- For long starting, Class 20 relays are available on request.
- Device for remote tripping and electrical reset is available on request.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# Advanced Motor Protection

High performance protection  
for your application



## EOLR Electronic Overload Relay

- Precise Overload Protection
- Wide operating Range 5:1
- Higher Operating Temperature
- Selectable Trip Class



## EOCR Electronic Over Current Relay

- Compact and Robust
- Advanced current protections
- Suitable for 1-phase and 3-phase applications
- Suitable for motors upto 400A
- Pass-through CT for electrical isolation

# TeSys Protect

## EOLR, EOCR

### EOLR

#### Electronic Overload Relay

- Conformance to IEC, UL, CSA
- Range : 0.1A to 630A
- High Operating Temperature
- Field selectable tripping class : 5,10, 20 & 30
- Type 1 & Type 2 Co-ordination chart available

| Current Range                             | For Use With                   | Reference* | Unit MRP [₹] |
|---|--------------------------------|------------|--------------|
| <b>LR9-D Electronic Protection Relays</b> |                                |            |              |
| 0.1...0.5                                 |                                | LR9D01     | 11215        |
| 0.4...2.0                                 | LC1D09 - 38A Direct Mounting   | LR9D02     | 11515        |
| 1.6...8.0                                 |                                | LR9D08     |              |
| 6.4...32                                  |                                | LR9D32     | 12880        |
| <b>LR9-G Electronic Protection Relays</b> |                                |            |              |
| 28...115                                  |                                | LR9G115    | 19080        |
| 57...225                                  | LC1G115 - 630A Direct Mounting | LR9G225    | 22260        |
| 125...500                                 |                                | LR9G500    | 26180        |
| 160...630                                 |                                | LR9G630    | On Request   |

**Note:** For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205.

### Analog EOCR

- Compact
- Protection against over current/phase loss/locked rotor (phase loss/locked rotor operates by over current)
- Manual (instant)/electrical reset
- NVR (No Volt Release) function / Fail Safe
- Suitable for single-phase / 3-phase motors
- LED (operation display and active current display)

### EOCR SS

- Without Display



| EOCR SS       |                 |            |              |
|---------------|-----------------|------------|--------------|
| Current Range | Control Voltage | Reference  | Unit MRP [₹] |
| 0.5-6         | 24-240V AC/DC   | EOCRSS-05S | 6470         |
| 3-30          | 24-240V AC/DC   | EOCRSS-30S |              |
| 5-60          | 24-240V AC/DC   | EOCRSS-60S |              |

**Note:** 2 SPST output contacts

To order an EOCR-SS:

**E 0 C R S S - 0 5 S**

1     2

|   |                        |    |               |  |
|---|------------------------|----|---------------|--|
| ① | Current Setting Range  | 5  | 0.5-6A        | For 60A or higher, combine 05 Type and an external CT (secondary 5A) for use |
|   |                        | 30 | 3.0-30A       |  |
|   |                        | 60 | 5.0-60A       |  |
| ② | Operating Power Supply | S  | 24-240V AC/DC |  |
|   |                        | W  | 380-440V AC   |  |

**Note:** For a CT combination type, please write an accessory code from the CT Order Codes separately.

### Protection Relay Selection Table

| Features/product                           | EOLR      |        | EOCR      |                     |
|--|-----------|--------|-----------|---------------------|
|  | LR9D/LR9G | SS/SSD | 3DM2/FDM2 | 3MZ2/FMZ2/3BZ2/FBZ2 |
| Precise Overload Protection (Inverse Time) |           |        |           |                     |
| Over Current Protection (Definite Time)    |           |        |           |                     |
| Selectable Trip Clas 5-30                  |           |        |           |                     |
| Current Unbalance Protection               | LR9G Only |        |           |                     |
| Locked Rotor, Phase Loss                   |           | *      |           |                     |
| Under current Protection                   |           |        |           |                     |
| Ground Current Protection                  | LR9G Only |        |           |                     |
| Current Measurement                        | 3CT       | 2CT    | 3CT       | 3CT                 |
| Current Display                            |           | #      |           |                     |
| Direct Mounting on Contactor               | \$        |        |           |                     |
| Fault History                              |           |        |           |                     |
| Configurable protection functions          |           |        |           |                     |

\* - over current based protection

# - with SSD

\$ - upto 38 Amps

Possible solution

Ideal solution

### EOCR SSD

- With Display (Operating Current & Trip Cause)



| EOCR SSD      |                 |             |              |
|---------------|-----------------|-------------|--------------|
| Current Range | Control Voltage | Reference   | Unit MRP [₹] |
| 0.5-6         | 24-240V AC/DC   | EOCRSSD-05S | 9680         |
| 3-30          | 24-240V AC/DC   | EOCRSSD-30S |              |
| 5-60          | 24-240V AC/DC   | EOCRSSD-60S |              |

**Note:** 2 SPST output contacts

To order an EOCR-SS:

**E 0 C R S S D - 0 5 S**

1     2

|   |                        |    |               |   |
|---|------------------------|----|---------------|---|
| ① | Current Setting Range  | 5  | 0.5-6A        | For 60A or higher, combine 05Type and an external CT (secondary 5A) for use |
|   |                        | 30 | 3.0-30A       |   |
|   |                        | 60 | 5.0-60A       |   |
| ② | Operating Power Supply | S  | 24-240V AC/DC |   |
|   |                        | W  | 380-440V AC   |   |

**Note:** For a CT combination type, please write an accessory code from the CT Order Codes separately.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Protect EOCR

## Digital EOCR



### Selection Table for Digital EOCR

**3 D M 2 - W R D U W Z**

1 2 3 4 5 6

|   |                                       |               |  |
|---|---------------------------------------|---------------|--|
| 1 | Digital Electronic Over-current Relay | 3DM2/<br>FDM2 | Without Ground Fault Protection                |
|   |                                       | 3MZ2/<br>FMZ2 | With Ground Fault Protection with External ZCT |
|   |                                       | 3BZ2/<br>FBZ2 | With Ground Fault Protection inbuilt ZCT       |
|   | Built-in display                      | 3●●2          | Flush mounting display F●●2                    |
| 2 | Standard                              | WR            | 0.5...80A                                      |
| 3 | Relay Output                          | D             | b (95-96), a(97-98), a(07-08) 3DM2, FDM2       |
|   |                                       | A             | a(97-98): OL, a(57-58): GF                     |
|   |                                       | C             | b(95-96), a(97-98): OL/GF                      |
|   |                                       | D             | b(95-96) : OL, a(57-58): GF*                   |
| 4 | Control Power                         | B             | AC/DC 24V                                      |
|   |                                       | U             | AC/DC 100~240V                                 |
| 5 | Wiring Method                         | W             | Window-hole type*                              |
|   |                                       | H             | Bottom-hole type                               |
| 6 | Version                               | Z             | New version                                    |

\* Not Possible with 3BZ2/FBZ2

- Micro-controller unit based
- Real time processing / High precision
- Protections : Over current, Under current, Phase loss, Phase reversal, Stall, Jam, Current Imbalance, Earth fault (3MZ2/FMZ2/3BZ2/FBZ2)
- Current Rating - 0.5 to 400A
- Bar graph indication of a load current to the current setting.
- Ancillary functions : Fail safe, Accumulated running hour, 3 faults records & limitation of auto-restart.
- Individual phase I-THD monitoring
- Suitable low Frequency Operation
- Communication capable RS485 (Optional)

| Digital EOCR  |  |             |                                   |              |
|---------------|--|-------------|-----------------------------------|--------------|
| Current Range | Control Voltage                              | Reference   | Description                       | Unit MRP [₹] |
| 0.5-80A       | 100-240V AC/DC                               | 3DM2-WRDUWZ |                                   | 20420        |
|               |  | 3DM2-WRDUHZ | Without ground - fault protection | 22085        |
|               |  | FDM2-WRDUWZ |                                   |              |
|               |  | FDM2-WRDUHZ |                                   |              |
|               |  | 3MZ2-WRAUWZ |                                   | 20695        |
|               |  | 3MZ2-WRAUHZ |                                   |              |
|               |  | 3MZ2-WRCUWZ |                                   |              |
|               |  | 3MZ2-WRCUHZ |                                   |              |
|               |  | 3MZ2-WRDUWZ |                                   |              |
|               |  | 3MZ2-WRDUHZ | With ground - fault protection    |              |
|               |  | FMZ2-WRAUWZ |                                   | 24845        |
|               |  | FMZ2-WRAUHZ |                                   |              |
|               |  | FMZ2-WRCUWZ |                                   |              |
|               |  | FMZ2-WRCUHZ |                                   |              |
|               |  | FMZ2-WRDUWZ |                                   |              |
|               |  | FMZ2-WRDUHZ |                                   |              |
| 3BZ2-WRAUHZ   |  | 30040       |                                   |              |
| 3BZ2-WRCUHZ   | With ground - fault protection (inbuilt ZCT) |             |                                   |              |
| FBZ2-WRAUHZ   |  |             |                                   |              |
| FBZ2-WRCUHZ   |  | 30525       |                                   |              |

## EOCR Accessories

| ZCT - Ground Fault Protection |           |               |              |
|-------------------------------|-----------|---------------|--------------|
|                               | Reference | Description   | Unit MRP [₹] |
|                               | ZCT-035-Z | ZCT EP 35 mm  | On Request   |
|                               | ZCT-080-Z | ZCT EP 80 mm  | 8795         |
|                               | ZCT-120-Z | ZCT EP 120 mm | 14470        |

| Display Cable for FDM2/FMZ2/FBZ2 |                 |             |              |
|----------------------------------|-----------------|-------------|--------------|
|                                  | Reference       | Description | Unit MRP [₹] |
|                                  | CABLE-RJ45-001Q | CABLE 1M    | 2365         |

| ZCT - Ground Fault Protection |            |             |                  |      |
|-------------------------------|------------|-------------|------------------|------|
| 3CT - H1 - 100 - Z            |            |             |                  |      |
|                               | Reference  | Description | Unit MRP [₹]     |      |
|                               | 1 CT ratio | H1-100-Z    | Square 3CT 100:5 | 5200 |
|                               |            | HH-150-Z    | Square 3CT 150:5 | 6440 |
|                               |            | H2-200-Z    | Square 3CT 200:5 | 7100 |
|                               |            | H3-300-Z    | Square 3CT 300:5 | 7475 |
|                               |            | H4-400-Z    | Square 3CT 400:5 | 8795 |

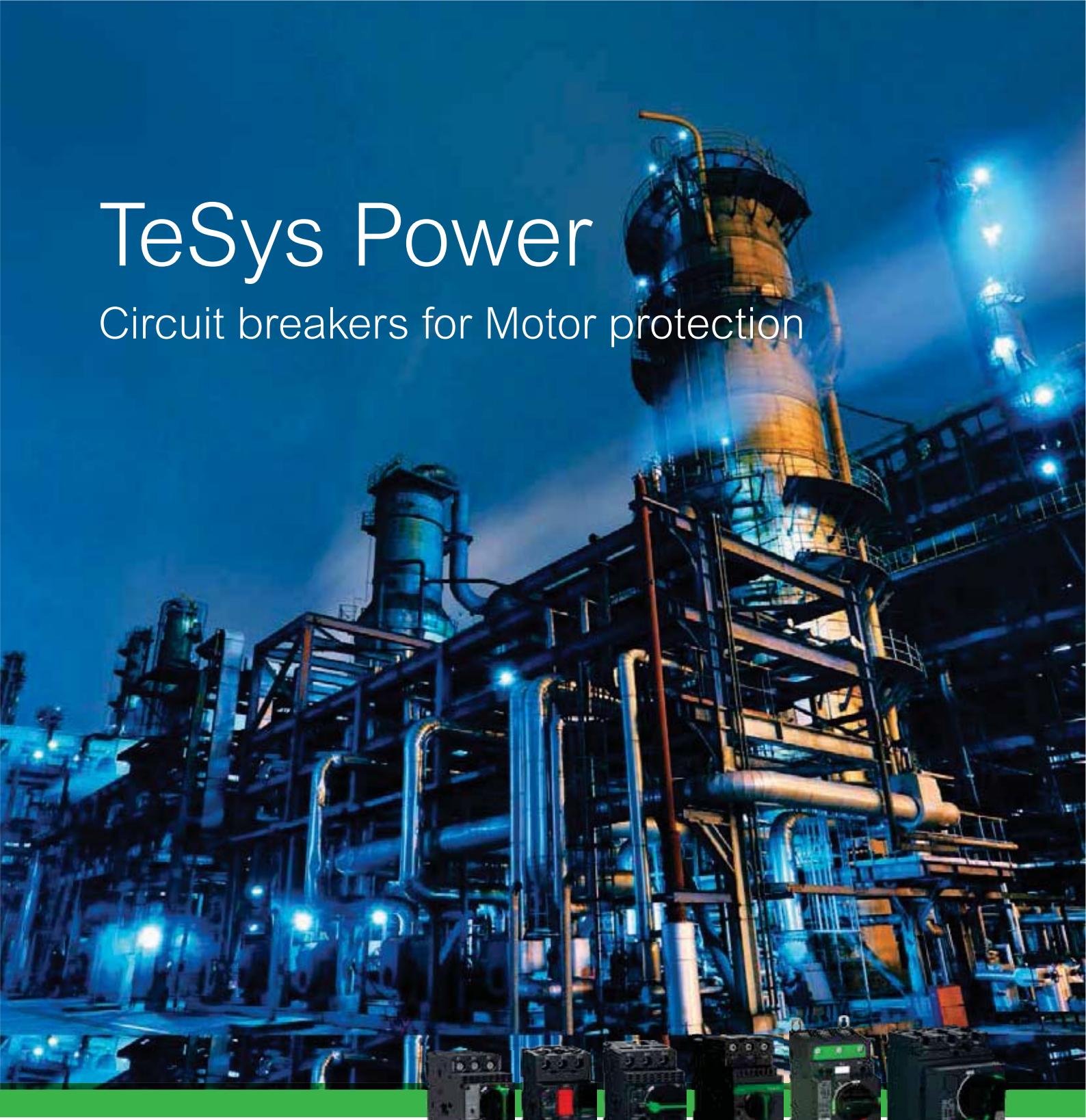
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Power

Circuit breakers for Motor protection



## Circuit breakers for motor protection and control

TeSys Deca and TeSys Giga Circuit Breakers provide compact, reliable and efficient solutions:

- Isolation
- Protection against short circuits and overloads
- Control of motors from 0.06 to 250 kW.
- Conforming to global standards.(IEC/EN/UL/CSA)



For more information  
on motor protection  
circuit breakers

[se.com/in/TeSys](https://se.com/in/TeSys)

# TeSys Power

## Circuit Breakers for Motor Protection

### Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4
- Magnetic circuit breakers range from 0.1-80 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories

### Thermal Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4, conformity to International Standards - UL, CSA, CE
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

| Breaking Capacity at 415V 50Hz              | Motor Power AC-3** |     | Magnetic Protection Rating (A) | Reference  | Unit MRP [₹] |
|---|--------------------|-----|--------------------------------|------------|--------------|
|   | kW                 | HP  |                                |            |              |
| <b>With Rocker Lever Control (Economy)*</b> |                    |     |                                |            |              |
| 100kA                                       | 0.09               | -   | 0.4                            | GV2LE03    | 5215         |
|   | 0.18               | -   | 0.63                           | GV2LE04    |              |
|   | 0.37               | 0.5 | 1                              | GV2LE05    |              |
|   | 0.55               | -   | 1.6                            | GV2LE06    |              |
|   | 1.1                | 1.5 | 2.5                            | GV2LE07    |              |
|   | 1.5                | 2   | 4                              | GV2LE08    |              |
|   | 2.2                | 3   | 6.3                            | GV2LE10    |              |
|   | 3                  | 5.5 | 10                             | GV2LE14    |              |
| 15kA  | 5.5                | 7.5 | 14                             | GV2LE16    | 6055         |
|   | 7.5                | 10  | 18                             | GV2LE20    |              |
| 10kA  | 11                 | 15  | 25                             | GV2LE22    | 10290        |
|   | 15                 | 20  | 32                             | GV2LE32    |              |
| <b>With Rotary Handle Control*</b>          |                    |     |                                |            |              |
| 100kA                                       | 0.09               | -   | 0.4                            | GV2L03     | 5985         |
|   | 0.18               | -   | 0.63                           | GV2L04     |              |
|   | 0.37               | 0.5 | 1                              | GV2L05     |              |
|   | 0.55               | -   | 1.6                            | GV2L06     |              |
|   | 1.1                | 1.5 | 2.5                            | GV2L07     |              |
|   | 1.1                | 2   | 4                              | GV2L08     |              |
|   | 2.2                | 3   | 6.3                            | GV2L10     |              |
|   | 4                  | 5.5 | 10                             | GV2L14     |              |
| 50kA  | 5.5                | 7.5 | 14                             | GV2L16     | 16720        |
|   | 7.5                | 10  | 18                             | GV2L20     |              |
|   | 11                 | 15  | 25                             | GV2L22     |              |
|   | 15                 | 20  | 32                             | GV2L32     |              |
|   | 18.5               | 25  | 40                             | GV3L40     |              |
|   | 22                 | 29  | 50                             | GV3L50     |              |
|   | 30                 | 40  | 65                             | GV3L65     |              |
|   | 37                 | 50  | 73                             | GV3L73     |              |
| <b>With Toggle Control</b>                  |                    |     |                                |            |              |
| 50kA  | 37                 | 50  | 80                             | GV4LE80N6  | 17080        |
|   | 55                 | 74  | 115                            | GV4LE115N6 |              |
|   | 75                 | 101 | 150                            | LV430832   | On Request   |
|   | 110                | 147 | 220                            | LV431752   |              |
|   | 160                | 214 | 320                            | LV432749   |              |
|   | 200                | 268 | 500                            | LV432949   |              |

\* Conforming to IEC 60947-2-3-4

\*\* 50/60Hz - 415V

• GV2-L with the TeSys Deca contactor and LRD overload relay provides Type 2 Co-ordination

\*\* 50/60Hz - 415V

(1) With GV1-L3 current limiter, breaking capacity can be increased to 100kA. Combination of the GV2-M with the TeSys Deca provides Type 2 Co-ordination.

(2) With GV1-L3 current limiter, breaking capacity can be increased to 100kA. Combination of the GV2-P with the TeSys Deca provides Type 2 Co-ordination.

| Breaking Capacity at 415V 50Hz            | Motor Power AC-3** |       | Thermal Protection Adjustment Range | Reference  | Unit MRP [₹] |
|---|--------------------|-------|-------------------------------------|------------|--------------|
|   | kW                 | HP    |                                     |            |              |
| <b>With Push Button Control (Economy)</b> |                    |       |                                     |            |              |
| 100kA                                     | -                  | -     | 0.1 - 0.16                          | GV2ME01    | 5495         |
|   | 0.06               | -     | 0.16 - 0.25                         | GV2ME02    |              |
|   | 0.09               | -     | 0.25 - 0.40                         | GV2ME03    | 5845         |
|   | 0.18               | -     | 0.40 - 0.63                         | GV2ME04 ✓  |              |
|   | 0.37               | 0.5   | 0.63 - 1.0                          | GV2ME05 ✓  | 5975         |
|   | 0.55               | 0.75  | 1.0 - 1.6                           | GV2ME06 ✓  |              |
|   | 0.75               | 1     | 1.6 - 2.5                           | GV2ME07 ✓  | 6180         |
|   | 1.1                | 2     | 2.5 - 4                             | GV2ME08 ✓  |              |
| 15kA <sup>(1)</sup>                       | 2.2                | 3     | 4 - 6.3                             | GV2ME10 ✓  | 6930         |
|   | 3                  | 5.5   | 6 - 10                              | GV2ME14 ✓  |              |
|   | 5.5                | 7.5   | 9 - 14                              | GV2ME16 ✓  | 7455         |
|   | 7.5                | 10    | 13 - 18                             | GV2ME20 ✓  |              |
| 10kA <sup>(1)</sup>                       | 9                  | 12.5  | 17 - 23                             | GV2ME21 ✓  | 7960         |
|   | 11                 | 15    | 20 - 25                             | GV2ME22 ✓  | 7960         |
|   | 15                 | 20    | 24 - 32                             | GV2ME32 ✓  | 12895        |
| <b>With Rotary Handle Control</b>         |                    |       |                                     |            |              |
| 100kA                                     | -                  | -     | 0.1 - 0.16                          | GV2P01     | 5375         |
|   | 0.06               | -     | 0.16 - 0.25                         | GV2P02     |              |
|   | 0.09               | -     | 0.25 - 0.40                         | GV2P03     | 6160         |
|   | 0.18               | -     | 0.40 - 0.63                         | GV2P04     |              |
|   | 0.37               | 0.5   | 0.63 - 1.0                          | GV2P05 ✓   | 6350         |
|   | 0.55               | 0.75  | 1.0 - 1.6                           | GV2P06     |              |
|   | 0.75               | 1     | 1.6 - 2.5                           | GV2P07     | 6775         |
|   | 1.1                | 2     | 2.5 - 4                             | GV2P08 ✓   |              |
| 50kA <sup>(2)</sup>                       | 2.2                | 3     | 4 - 6.3                             | GV2P10 ✓   | 8320         |
|   | 3                  | 5.5   | 6 - 10                              | GV2P14 ✓   |              |
|   | 5.5                | 7.5   | 9 - 14                              | GV2P16 ✓   | 9605         |
|   | 7.5                | 10    | 13 - 18                             | GV2P20 ✓   |              |
| 35kA <sup>(2)</sup>                       | 9                  | 12.5  | 17 - 23                             | GV2P21 ✓   | 16185        |
|   | 11                 | 15    | 20 - 25                             | GV2P22 ✓   |              |
| 50kA                                      | 15                 | 20    | 24 - 32                             | GV2P32 ✓   | 19000        |
|   | 18.5               |       | 30...40                             | GV3P40 ✓   |              |
|   | 22                 |       | 37...50                             | GV3P50 ✓   | 23560        |
|   | 30                 |       | 48...65                             | GV3P65 ✓   |              |
|   | 37                 |       | 62...73                             | GV3P73     | 24165        |
|   |                    |       |                                     |            |              |
| <b>With Toggle Control</b>                |                    |       |                                     |            |              |
| 50kA                                      | 37                 | 49.58 | 40...80                             | GV4PE80N6  | 22140        |
|   | 55                 | 73.7  | 65...115                            | GV4PE115N6 |              |
| <b>With Direct Rotary Handle</b>          |                    |       |                                     |            |              |
| 70kA                                      | 75                 | 101   | 70...150                            | GV5P150H   | 45030        |
|   | 110                | 147   | 100...220                           | GV5P220H   | 52530        |
|   | 160                | 214   | 160...320                           | GV6P320H   | 67545        |
|   | 200                | 268   | 250...500                           | GV6P500H   | 93060        |

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

✓ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Power

## Circuit Breakers for Motor Protection

### GV4LE



- IEC/EN 60947-1, IEC/EN 60947-2, CCC, EAC
- Can be used with class 5, 10 or 20 relay
- Short Circuit Protection with an adjustable pick-up  $I_n = 6$  to 14 In.
- From 0.25 - 55kW

#### Magnetic Toggle Control

| Motor Power AC-3<br>(400/415V AC) |         | In   | Magnetic<br>Setting<br>Range | 25kA Breaking<br>Capacity |                 | 50kA Breaking<br>Capacity |                 | 100kA Breaking<br>Capacity |                 |
|-----------------------------------|---------|------|------------------------------|---------------------------|-----------------|---------------------------|-----------------|----------------------------|-----------------|
| kW                                | HP      | (A)  | A                            | Reference                 | Unit MRP<br>[₹] | Reference                 | Unit MRP<br>[₹] | Reference                  | Unit MRP<br>[₹] |
| 0.25..0.75                        | 0.3..1  | 2    | 12..28                       | -                         | -               | GV4LE02N6                 | On Request      | GV4LE02S6                  | On Request      |
| 0.55..1.5                         | 0.7..2  | 3.5  | 21..49                       | -                         | -               | GV4LE03N6                 |                 | GV4LE03S6                  |                 |
| 1.5..3                            | 2.4     | 7    | 42..96                       | -                         | -               | GV4LE07N6                 |                 | GV4LE07S6                  |                 |
| 3..5.5                            | 4..7.5  | 12.5 | 75..175                      | -                         | -               | GV4LE12N6                 |                 | GV4LE12S6                  |                 |
| 5.5..11                           | 7.5..14 | 25   | 150..350                     | GV4LE25B6                 | On Request      | GV4LE25N6                 |                 | GV4LE25S6                  |                 |
| 11..22                            | 15..30  | 50   | 300..700                     | GV4LE50B6                 |                 | GV4LE50N6                 |                 | GV4LE50S6                  |                 |
| 18.5..37                          | 25..50  | 80   | 480..1120                    | GV4LE80B6                 |                 | GV4LE80N6                 |                 | GV4LE80S6                  |                 |
| 30..55                            | 40..75  | 115  | 690..1610                    | GV4LE115B6                |                 | GV4LE115N6                |                 | GV4LE115S6                 |                 |

**Note:** For Everlink termination please order after removing the 6 at the end Eg. GV4LE115N

### GV4PE



- IEC/EN 60947-1, IEC/EN 60947-2, IEC/EN 60947-4-1, UL 60497-4-1, CCC, EAC, CSA
- Overload or thermal protection
- Short time delay protection
- Short circuit protection
- Fixed Ground fault protection
- Phase unbalance or phase loss
- Front indications through LED
- Variable Trip class : Trip Class 10/ Trip Class 20

#### Thermal Magnetic Protection Toggle Control

| Motor Power AC-3<br>(400/415V AC) |         | In   | Magnetic<br>Setting<br>Range | 25kA Breaking<br>Capacity |                 | 50kA Breaking<br>Capacity |                 | 100kA Breaking<br>Capacity |                 |
|-----------------------------------|---------|------|------------------------------|---------------------------|-----------------|---------------------------|-----------------|----------------------------|-----------------|
| kW                                | HP      | (A)  | A                            | Reference                 | Unit MRP<br>[₹] | Reference                 | Unit MRP<br>[₹] | Reference                  | Unit MRP<br>[₹] |
| 0.25..0.75                        | 0.3..1  | 2    | 0.8..2                       | -                         | -               | GV4PE02N6                 | On Request      | GV4PE02S6                  | On Request      |
| 0.55..1.5                         | 0.7..2  | 3.5  | 1.4..3.5                     | -                         | -               | GV4PE03N6                 |                 | GV4PE03S6                  |                 |
| 1.5..3                            | 2.4     | 7    | 2.9..7                       | -                         | -               | GV4PE07N6                 |                 | GV4PE07S6                  |                 |
| 3..5.5                            | 4..7.5  | 12.5 | 5..12.5                      | -                         | -               | GV4PE12N6                 |                 | GV4PE12S6                  |                 |
| 5.5..11                           | 7.5..14 | 25   | 10..25                       | GV4PE25B6                 | On Request      | GV4PE25N6                 |                 | GV4PE25S6                  |                 |
| 11..22                            | 15..30  | 50   | 20..50                       | GV4PE50B6                 |                 | GV4PE50N6                 |                 | GV4PE50S6                  |                 |
| 18.5..37                          | 25..50  | 80   | 40..80                       | GV4PE80B6                 |                 | GV4PE80N6                 |                 | GV4PE80S6                  |                 |
| 30..55                            | 40..75  | 115  | 65..115                      | GV4PE115B6                |                 | GV4PE115N6                |                 | GV4PE115S6                 |                 |

**Note:** For Everlink version please order after removing the 6 at the end. Eg. GV4PE115N

| Crimp Lug/busbar connection                           |                                 |           |          |
|---|---------------------------------|-----------|----------|
| Description   | Sold in lots of                 | Reference |          |
| Crimped lug connector + screws                        | 1                               | GV4LUG    |          |
| Transparent terminal shield for crimped lug connector | 1                               | LAD96590  |          |
| Interphase barriers                                   | 6                               | LV426920  |          |
| Spreader 3-pole                                       | To increase the pitch to 35 min | 1         | LV426940 |

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023



# TeSys Power

## Circuit Breakers for Motor Protection

### Accessories for GV4



#### MX Shunt Trip

- Trips the circuit breaker when the control voltage rises above 70% of rated voltage
- Shunt trip 110..130V AC is suitable.. etc for ground fault protection when combined with a Class I ground fault sensing element

#### MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 35% of its rated voltage

| Description              | Mounting          | Voltage   | References | Unit MRP [₹] |
|--------------------------|-------------------|---|------------|--------------|
| Mx Shunt Trip            | Internal, Plug-In | 220-240 VAC 50 Hz, 208-240 VAC 60 Hz, 277 VAC 60 Hz | GV4AS287   | On request   |
| Mn Under Voltage Release | Internal, Plug-In | 440-480 VAC 60 Hz                                   | GV4AU486   |              |

### Auxiliary Contact Blocks



An auxiliary contact block provides one changeover contact with one common point for OF and SD function, depending on where it is inserted

Open/Close OF Function: indicates position of the circuit breaker contacts

Trip Alarm SD Function: indicates circuit breaker tripping due to:

- Electrical fault (overload, short circuit)
- Shunt trip/Undervoltage release
- "Push to Trip" Function

Resets when the circuit breaker is reset

| Description             | Maximum Number          | Mounting         | Type of Contacts | Reference | Unit MRP [₹] |
|-------------------------|-------------------------|------------------|------------------|-----------|--------------|
| Auxiliary Contact Block | 2 (1 Each For OF or SD) | Internal Plug-In | NO + NC          | GV4AE11   | On request   |

### Rotary Handles

| Description  | Type                       | Degree of Protection | Reference | Unit MRP [₹] |
|--|----------------------------|----------------------|-----------|--------------|
| Direct Mounting Rotary Handle  | BLACK                      | IP40                 | GV4ADN01  | On request   |
|  | BLACK                      | IP54                 | GV4APN01  |              |
| Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm) | RED HANDLE ON YELLOW BEZEL | IP54                 | GV4APN02  |              |
|  | RED HANDLE ON YELLOW BEZEL | IP65                 | GV4APN04  |              |

### Connection Accessories

| Description   | Reference |
|---|-----------|
| Spreader 3-pole (To increase pitch to 35mm) (1 pce) | LV426940  |

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Power

## Circuit Breakers for Motor Protection

### Accessories for Motor Circuit Breakers

| Description  | Reference                                    | Unit MRP [₹] |
|--|--|--------------|
| <b>For GV2</b>   |  |              |
| Front contact NO or NC <sup>(1)</sup>  | GVAE1  | 1125         |
| Front contact NO + NC  | GVAE11 <input checked="" type="checkbox"/>   | 1380         |
|  | GVAE20                                       | 1525         |
| Side contact NO + NC   | GVAN11 <input checked="" type="checkbox"/>   | 1665         |
|  | GVAN20                                       |              |
| Fault signalling contact + 1NO contact <sup>(2)</sup>                          | GVAD1010 <input checked="" type="checkbox"/> | 2170         |
| Fault signalling contact + 1NC contact <sup>(2)</sup>                          | GVAD1001                                     |              |
| Short circuit signalling contact block 1 C/O                                   | GVAM11                                       | 2070         |
| Under voltage trip   | 110 ... 115V 50Hz GVAU115                    | 3960         |
|  | 220 ... 240V 50Hz GVAU225                    |              |
|  | 380 ... 400V 50Hz GVAU385                    |              |
| Shunt trip   | 110 ... 115V 50Hz GVAS115                    | 3960         |
|  | 220 ... 240V 50Hz GVAS225                    |              |
|  | 380 ... 400V 50Hz GVAS385                    |              |
| Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P. | GV1L3  | 6390         |
| Connection block - GV2 with contactor LC1-D09..D38                             | GV2AF3                                       | 775          |
| Connection block - LS1 D32 or GV2 with Contactor LC1-K or LP1-K                | GV2AF01                                      | 840          |
| Empty enclosure for GV2ME - plastic  | GV2MP02                                      | 3675         |
|  | GV2MC02                                      | 4035         |

(1) Choice of NC or NO contact operation depending on which way round the reversible block is mounted.

(2) The GV-AD is always mounted next to the circuit breaker.

### Busbars

| Connection Pitch | No. of Tapoff Points | Reference | Unit MRP [₹] |
|------------------|----------------------|-----------|--------------|
| <b>For GV2</b>   |                      |           |              |
| 45 mm            | 2                    | GV2G245   | 2165         |
|                  | 4                    | GV2G445   | 3405         |
| 54 mm            | 2                    | GV2G254   | 1980         |
|                  | 3                    | GV2G354   | 2225         |
|                  | 4                    | GV2G454   | 2790         |
| 72 mm            | 5                    | GV2G554   | 3020         |
|                  | 4                    | GV2G472   | 3415         |

| Description  | Reference | Unit MRP [₹] |
|--|-----------|--------------|
| <b>Accessories for Busbars</b>                           |           |              |
| Terminal block - to supply one or more 3-pole busbar GV2 | GV2G05    | 4280         |
| Protective end covers for unused busbar outlets          | GV1G10    | 755          |
| Terminal block for connection from top                   | GV1G09    | 2235         |

### Accessories for Motor Circuit Breakers

| Description   | Reference                                    | Unit MRP [₹] |
|---|--|--------------|
| <b>For GV2-P/GV2-L</b>                                  |  |              |
| External operator - IP54, Black                         | GV2APN01 <input checked="" type="checkbox"/> | 3930         |
| External operator - IP54, Yellow/Red                    | GV2APN02                                     | 7315         |
| Visible isolation block - for motor circuit breaker GV2 | GV2AK00                                      | 3325         |
| <b>For GV3P/GV3L</b>                                    |  |              |
| <b>Auxiliary Contacts</b>                               |  |              |
| Front contact: 1 NO (fault) + 1NC (Auxiliary)           | GVAED011                                     | 1435         |
| Front contact: 1 NO (fault) + 1NO (Auxiliary)           | GVAED101                                     | 1575         |
| <b>Busbar</b>   |  |              |
| 3-pole, 3 tap, 64 mm pitch                              | GV3G364                                      | 2080         |
| S-shape bus bar   | GV3S   | 1555         |
| <b>External Operator</b>                                |  |              |
| <b>IP54, Black</b>                                      | <b>GV3APN01</b>                              | <b>4740</b>  |
| <b>IP54, Yellow/Red</b>                                 | <b>GV3APN02</b>                              | <b>4590</b>  |

**Note:** All other accessories are same as of GV2.

Busbars GV3G364 and GV3S are not compatible with GV3\*73 and GV3\*80.

| Description   | Operating Voltage | Reference                                   | Unit MRP [₹] |
|---|-------------------|---|--------------|
| <b>For GV5 and GV6</b>  |                   |   |              |
| Auxiliary contact - 1 OC  | -                 | GV7AE11 <input checked="" type="checkbox"/> | 3295         |
| Clip-on connector - upto 150 A - 1.5..95 mm <sup>2</sup>        | -                 | GV7AC021                                    | 1360         |
| Clip-on connector- upto 220 A - 1.5..185 mm <sup>2</sup>        | -                 | GV7AC022                                    | 1870         |
| Front rotary handle   | -                 | GV7AP03                                     | 5665         |
| GV7AP GV7R - black handle <sup>(2)</sup>                        | -                 | GV7AP01                                     | 9850         |
| Padlocking device - 1..3 padlocks Ø 5..8mm shank <sup>(3)</sup> | -                 | GV7V01                                      | 1235         |
| Terminal shields IP405 <sup>(1)</sup>                           | -                 | GV7AC01                                     | 3505         |

### For GV5 and GV6

|                       |                            |          |      |
|-----------------------|----------------------------|----------|------|
| Shunt release         | 200...240 V AC<br>50/60 Hz | GV7AS207 | 7485 |
| Under Voltage release | 200...240 V AC<br>50/60 Hz | GV7AU207 | 7730 |

(1) Terminal shields cannot be used together with spreaders.

(2) For mounting direct rotary handle on enclosure door.

This accessory makes it possible to open the door if the device is closed and prevents the device from being closed if the door is open.

(3) For Circuit breaker not fitted with a rotary handle

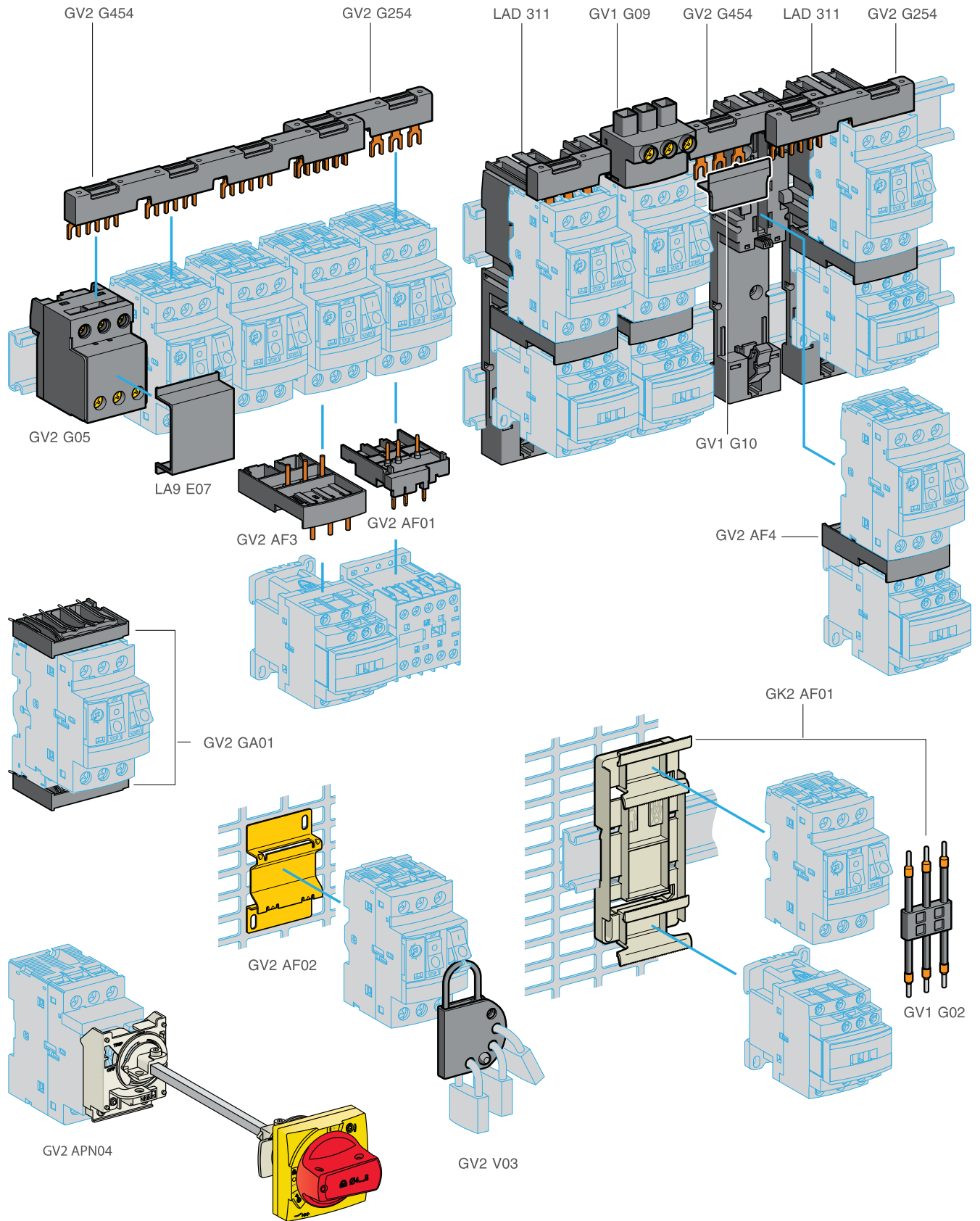
It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

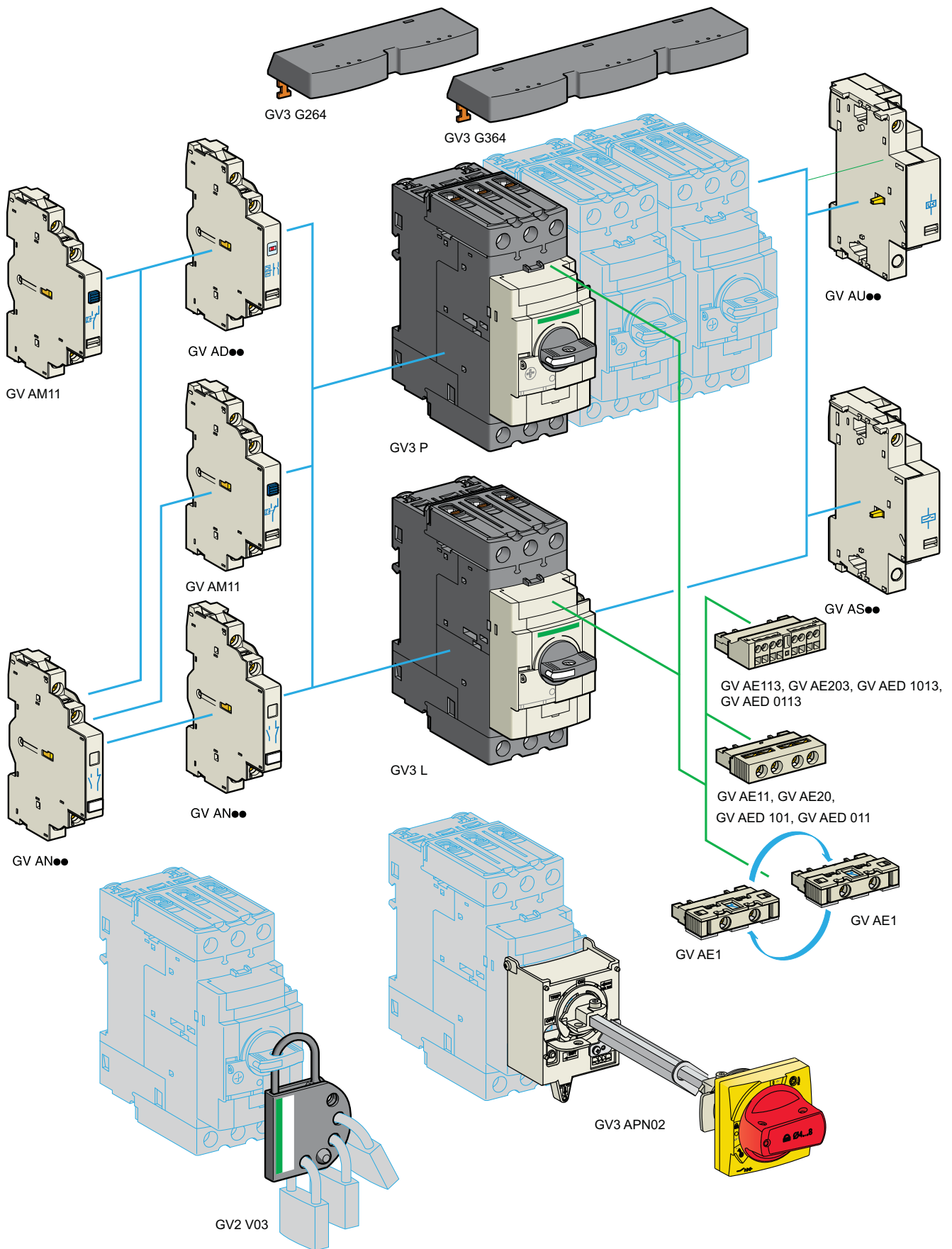
# TeSys

## Accessories compatibility

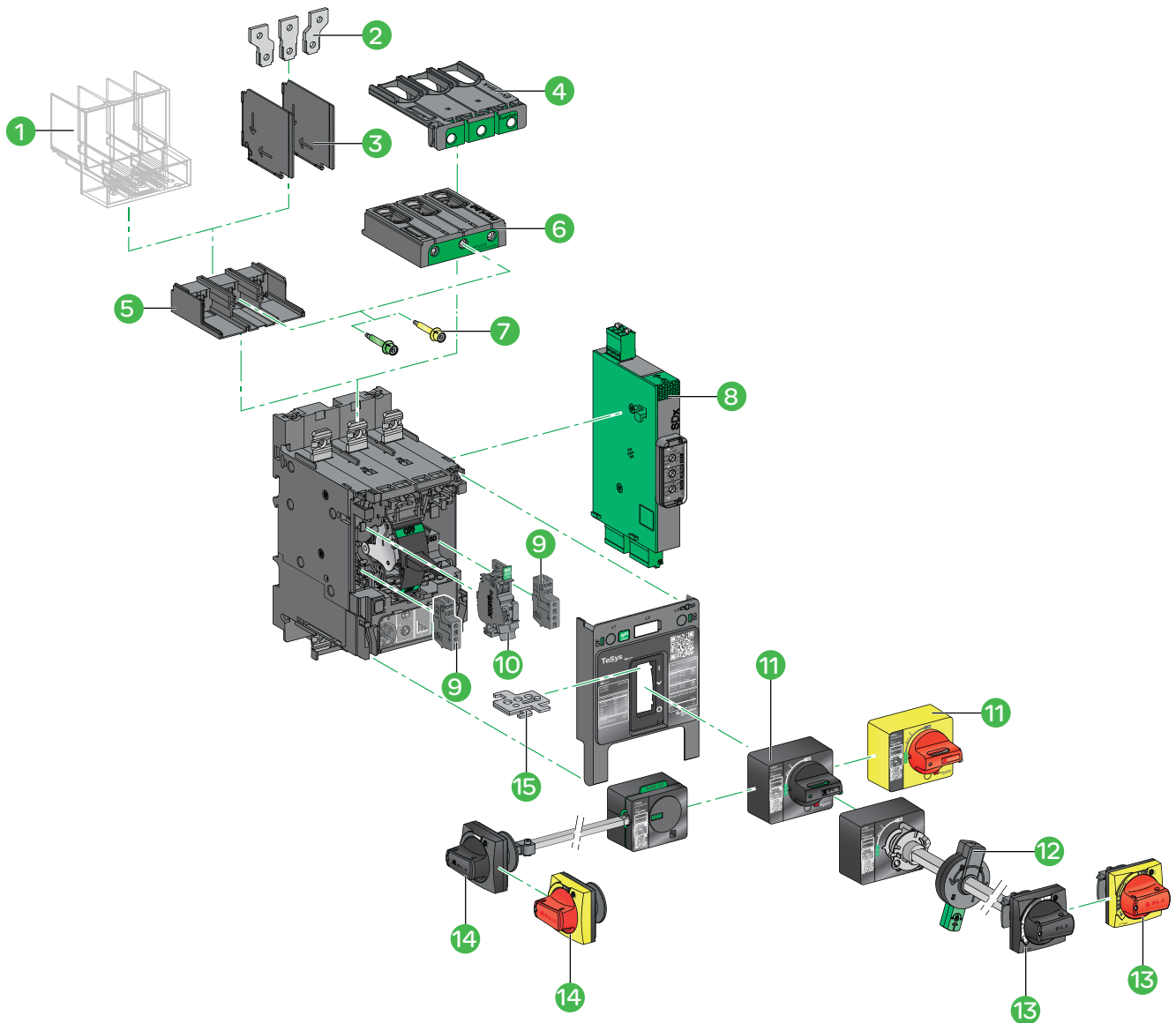


# TeSys

## Accessories compatibility



# TeSys GV4 Overview



- 1 Long terminal shield LAD96590
- 2 Terminal spreaders LV426940
- 3 Interphases barriers LV426920
- 4 Large spacing cover for EverLink connector GV4G66
- 5 Crimp lug connector GV4LUG
- 6 EverLink® connector LAD96595
- 7 Torque limiting breakaway bits LV42699p
- 8 SDx alarming/fault differentiation module GV4ADM1111 (only with GV4PEM)
- 9 Auxiliary contact block for OF or SD function GV4AE11
- 10 - MN undervoltage release GV4AUpp  
- MX shunt trip GV4ASpp
- 11 Direct mounting black or red on yellow bezel rotary handle GV4ADN01/ GV4ADN02
- 12 Open door shaft operator (for front extended rotary handle) LV426937
- 13 Front extended rotary handle kit with red handle on yellow bezel or black handle GV4APN01/ GV4APN02 /GV4APN04
- 14 Side rotary handle kit with red handle on yellow bezel or black handle LV426935/LV426936.
- 15 Toggle locking device 29370

# TeSys Control

## TeSys Switches

### Vario Switch Disconnectors

| [Ithe] Conventional Thermal Current**           | Poles Description | Rated Operational Power (AC-23)* | Reference | Unit MRP [₹] |
|---|-------------------|----------------------------------|-----------|--------------|
| <b>Complete Enclosed Switches</b>               |                   |                                  |           |              |
| • Range 12 to 175A, IP 65 Sealable and Lockable |                   |                                  |           |              |
| 10  | 3P                | 4 kW                             | VCF02GE   | 3875         |
| 16  | 3P                | 5.5 kW                           | VCF01GE   | 4215         |
| 20  | 3P                | 7.5 kW                           | VCF0GE    | 5125         |
| 25  | 3P                | 11 kW                            | VCF1GE    | 5500         |
| 32  | 3P                | 15 kW                            | VCF2GE    | 6445         |
| 50  | 3P                | 22 kW                            | VCF3GE    | 9965         |
| 63  | 3P                | 30 kW                            | VCF4GE    | 11660        |

\* Rated Power at 415V  
\*\* Ith in enclosure

| For Switch Type (Amps)         | Mounting Arrangement | Ingress | Reference | Unit MRP [₹] |
|--------------------------------|----------------------|---------|-----------|--------------|
| <b>Operators (Padlockable)</b> |                      |         |           |              |
| 12 - 40                        | 4 Screw Fixing       | IP65    | KCF1PZ    | 1105         |
| 63 - 80                        | 4 Screw Fixing       | IP65    | KCF2PZ    | 1170         |
| 125 - 175                      | 4 Screw Fixing       | IP40    | KCF3PZ    | 4730         |

### Vario Switch Disconnectors

| [Ithe] Conventional Thermal Current**            | Poles Description | Reference | Unit MRP [₹] |
|--|-------------------|-----------|--------------|
| <b>Complete Switch with Padlockable Operator</b> |                   |           |              |
| • Suitable for Front Mounting or Base Mounting   |                   |           |              |
| 12   | 3P                | VCF02     | 2435         |
| 20   | 3P                | VCF01     | 2650         |
| 25   | 3P                | VCF0      | 3090         |
| 32   | 3P                | VCF1      | 3240         |
| 40   | 3P                | VCF2      | 4015         |
| 63   | 3P                | VCF3      | 8110         |
| 80   | 3P                | VCF4      | 6805         |
| 125  | 3P                | VCF5      | 15595        |
| 175  | 3P                | VCF6      | 18905        |

#### Switch Bodies

| Reference | Unit MRP [₹] |
|-----------|--------------|
| V02       | 1585         |
| V01       | 1830         |
| V0        | 2175         |
| V1        | 2650         |
| V2        | 3240         |
| V3        | 4510         |
| V4        | 5930         |
| V5        | 12030        |
| V6        | 15355        |

### Accessories

| Description                                | For Use with Switch Bodies | Rating in A | Pole Composition | Earth Contact | Auxiliary Contacts | Reference | Unit MRP [₹] |
|--|----------------------------|-------------|------------------|---------------|--------------------|-----------|--------------|
| <b>Vario Add-on Modules <sup>(1)</sup></b> |                            |             |                  |               |                    |           |              |
| Main Pole Module                           | V02/VCF02                  | 12          | 1P               | -             | -                  | VZ02      | 1135         |
|  | V0/1/VCF01                 | 20          | 1P               | -             | -                  | VZ01      | 1155         |
|  | V0/VCF0                    | 25          | 1P               | -             | -                  | VZ0       | 1230         |
|  | V1/VCF1                    | 32          | 1P               | -             | -                  | VZ1       | 1205         |
|  | V2/VCF2                    | 40          | 1P               | -             | -                  | VZ2       | 1290         |
|  | V3/VCF3                    | 63          | 1P               | -             | -                  | VZ3       | 1675         |
|  | V4/VCF4                    | 80          | 1P               | -             | -                  | VZ4       | 1675         |
| Neutral Pole Module <sup>(2)</sup>         | V02 / VCF02 to V2 / VCF2   | -           | 1N               | -             | -                  | VZ11      | 1380         |
|  | V3 / VCF3 to V4 / VCF4     | -           | 1N               | -             | -                  | VZ12      | 1850         |
|  | V5 / VCZ5 to V6 / VCZ6     | -           | 1N               | -             | -                  | VZ13      | 3820         |
| Earthing Module                            | V02 / VCF02 to V2 / VCF20  | -           | -                | -             | -                  | VZ14      | 1365         |
|  | V3 / VCF3 to V4 / VCF4     | -           | -                | 1             | -                  | VZ15      | 1610         |
|  | V5 / VCZ5 to V6 / VCZ6     | -           | -                | 1             | -                  | VZ16      | 2500         |
| Auxiliary Contact Block Module             | V02/ VCF02 to V6 / VCZ6    | -           | -                | -             | 1NO + 1NC          | VZ7       | 1425         |
|  | V2/ VCF02 to V6 / VCZ6     | -           | -                | -             | 2NO                | VZ20      |              |

(1) For mounting option of modules, please refer to the technical catalogue.

(2) With early make and late break contacts

| Description  | For Use With   | Reference | Unit MRP [₹] |
|--|----------------|-----------|--------------|
| <b>Components for Door Interlocking</b>                  |                |           |              |
| Shaft extension - for Mini-VARIO and VARIO - V02..V2     | V02...V2       | VZ17      | 1365         |
|  |                | VZ30      | 1610         |
| Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6 | V3, V4, V5, V6 | VZ18      | 1830         |
|  |                | VZ31      | 470          |
| Door interlock plate                                     | VZ17 / VZ30    | KZ32      | 810          |
|  |                | VZ18/31   | KZ74         |
| <b>Input Terminal Protection Shrouds</b>                 |                |           |              |
| Terminal Shrouds   | V02 - V2       | VZ8       | 460          |
|  |                | VZ26      | 400          |
|  | V3 - V4        | VZ9       | 485          |
|  |                | VZ27      | 400          |
|  | V5 - V6        | VZ10      | 610          |
|  |                | VZ28      | 680          |
| V02 - V6   | VZ29           | 555       |              |

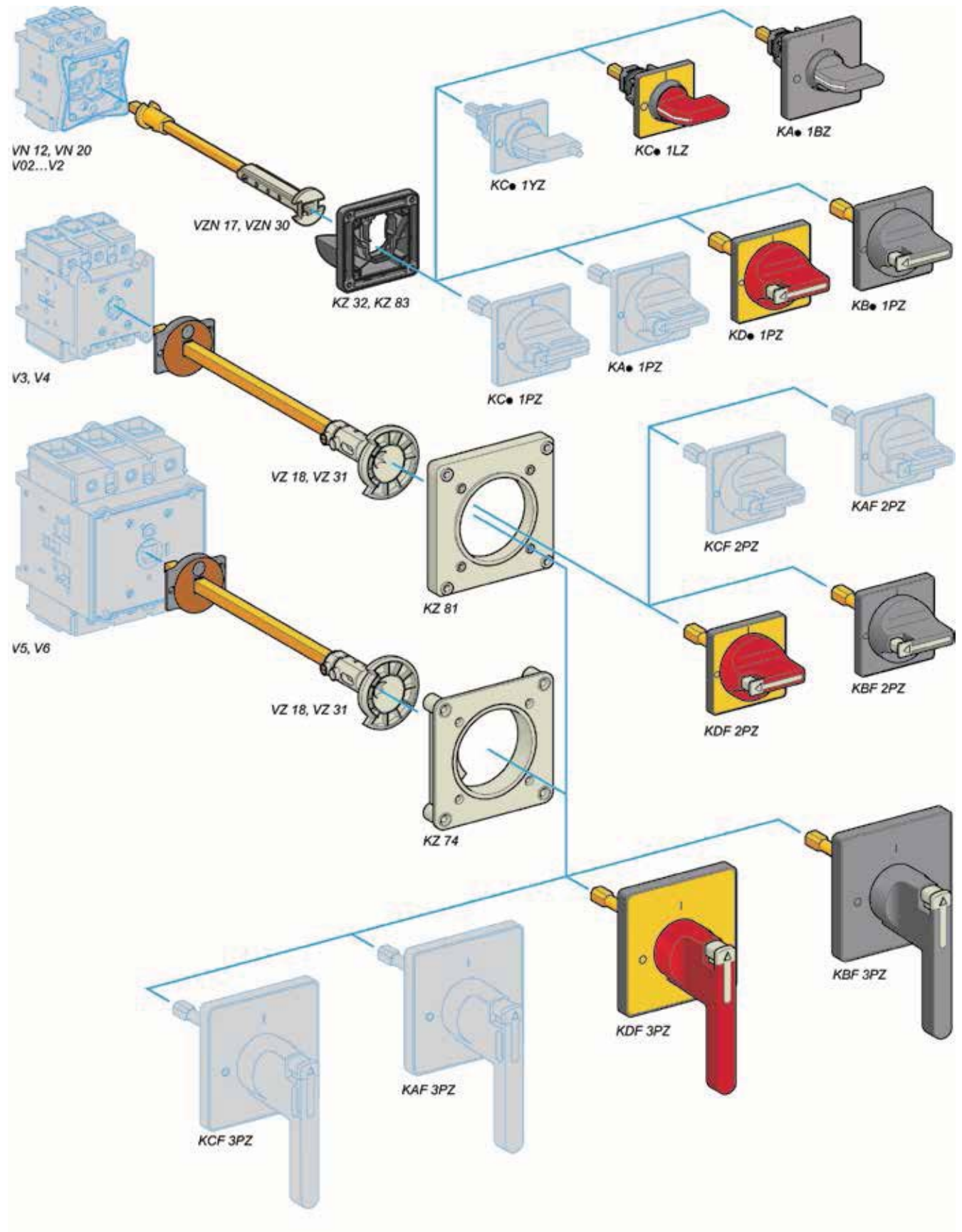
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

☑ NORMAL STOCK ITEMS

W.E.F. January 30<sup>th</sup>, 2023

# TeSys Control

## Accessories for Switches





# Machine builders, it is time to cut engineering time and costs — DIGITIZE load management

## TeSys island

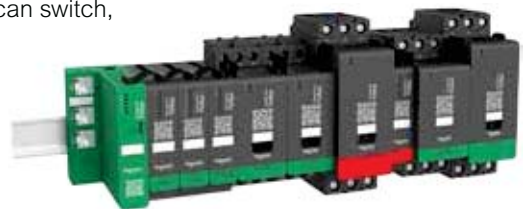
### Unique features

TeSys island is a smart, digital multifunctional load management system; it can switch, protect, manage motors and other electrical loads up to 80 Amps (AC3) in an electrical control panel.

### Benefits

Why should you choose TeSys island?

- Quicker engineering and reduce time to market
- Embedded algorithms detect abnormal load behaviors and generate alarms before machine stoppage.
- Pre-trip warnings can also be set on the system for scheduled maintenance.
- Fast device replacement on any portion of the island is possible because of the full integration of the system and the integrated Bus coupler resulting in reduced downtime.
- TeSys island provides energy monitoring at the load level
- Health status can be easily accessed, remotely or locally. This energy management data can be used for advanced analytics to increase machine efficiency further
- TeSys island can be easily integrated into Schneider Electric's EcoStruxure Machine architecture and 3rd party automation systems, supporting all major field buses.



For more information  
on TeSys island  
Digital Load  
Management System



### Enable smarter design and engineering

#### Efficient

Make your machines intelligent, save time and costs with intuitive programming and commissioning using TeSys avatars. Simplify software integration within all major automation environments. One-click mounting on DIN rail and no need for control wiring.

#### Enable new business models

Use load data and status information to create new service enabled business models. Access your machine from remote during operation & maintenance.

#### A data provider

Get relevant data for digital load management & advanced analytics. Monitor energy at load level, remote users can easily check health status, troubleshoot and diagnose issues and take action, reduce machine stoppages and machine downtime.

#### Improved security

Benefit from the highest cybersecurity and safety levels. Safety IO / Scalable with embedded diagnostic.

### Technical specifications

- System consists of DOL Starters & Input / Output modules
- System manages motors and other electrical loads up to 80A/37kW/50hp
- Up to 20 modules / 1 meter at one bus coupler
- No mechanical adjustments/settings required
- International standards-compliant
- Energy monitoring at the load level
- Only 21 commercial references for the complete system, including 5 standard motor starters and 5 functional safety motor starters
- Cybersecurity embedded into the system (Achilles Level 2 & Safety up to Cat 2)
- Safety stop TUV certified (Stop 0 and 1 with wiring categories 1 to 2, suitable for PL c,d (Performance Level) and SIL level 2)
- Open connectivity thanks to Ethernet IP and Modbus TCP fieldbuses

# TeSys Active

## TeSys island

TeSys island is an innovative digital load management solution-providing data for higher machine efficiency and ease of servicing, and allowing faster time to market.

TeSys island is a modular, multifunctional system providing integrated functions inside an automation architecture, primarily for the direct control and management of low-voltage loads.

After commissioning, TeSys island can switch, help protect, and manage motors and other electrical loads up to 37 kW installed in an electrical control panel.

This system is designed around the concept of TeSys avatars. These avatars:

- Are the functional object representing a logical function of the physical module with pre-defined logic
- Determine the configuration of the island.

The logical aspects of the island are managed with software tools, covering all phases of product and application lifecycle: design, engineering, commissioning, operation, and maintenance.



- |                            |                          |
|----------------------------|--------------------------|
| 1 Bus Coupler              | 5 Power interface module |
| 2 Analog I/O module        | 6 Standard Starter       |
| 3 Digital I/O module       | 7 SIL Starter            |
| 4 Voltage interface module | 8 SIL interface module   |

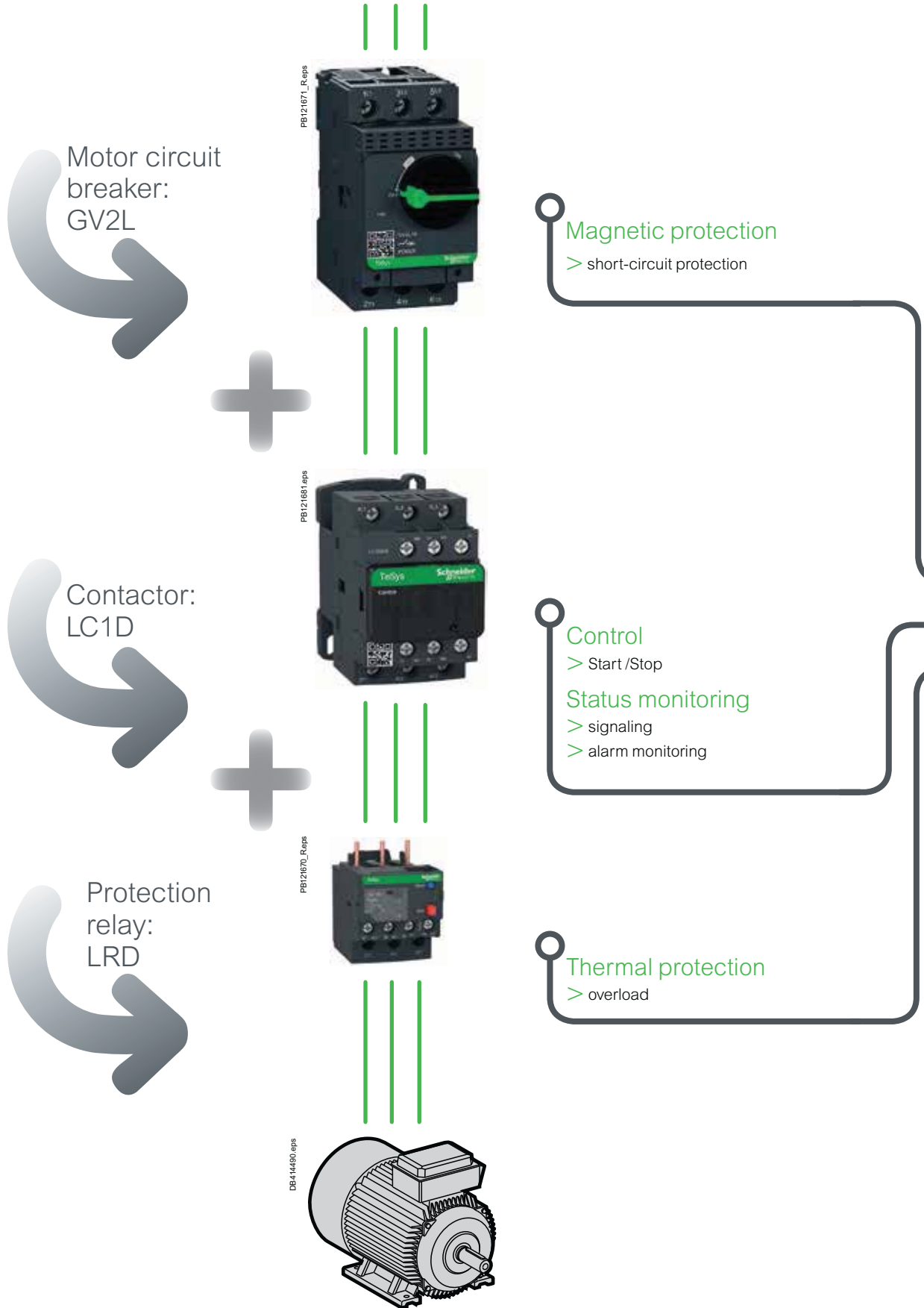
| Designation                                  | Product Commercial Reference                                 |           |
|--|--|-----------|
| <b>TeSys island components</b>               |  |           |
| Standard Starter                             | 9A (AC-3)  | TPRST009  |
|  | 25A (AC-3)   | TPRST025  |
|  | 38A (AC-3)   | TPRST038  |
|  | 65A (AC-3)   | TPRST065  |
|  | 66A (AC-3) - 80A (AC-1)                                      | TPRST080  |
| SIL Starter                                  | 9A (AC-3)  | TPRSS009  |
|  | 25A (AC-3)   | TPRSS025  |
|  | 38A (AC-3)   | TPRSS038  |
|  | 65A (AC-3)   | TPRSS065  |
|  | 66A (AC-3) - 80A (AC-1)                                      | TPRSS080  |
| Power interface module                       | 9A (AC-3)  | TPRPM009  |
|  | 38A (AC-3)   | TPRPM038  |
|  | 80A (AC-3)   | TPRPM080  |
| Voltage interface module                     |  | TPRVM001  |
| SIL interface module                         |  | TPRSM001  |
| Digital I/O module                           | (4 input - 2 output)   | TPRDG4X2  |
| Analog I/O module                            | (2 input - 1 output)   | TPRAN2X1  |
| Bus Coupler                                  | EtherNet/IP - Modbus TCP                                     | TPRBCEIP  |
|  | PROFINET   | TPRBCPFN  |
|  | PROFIBUS   | TPRBCPFBS |
| <b>Assembly and Wiring Kits</b>              |  |           |
| Kit for reversing starter application        | for 9, 25, 38A (size 1 and 2) starters                       | LAD9R1    |
|  | for 65, 80A (size 3) starters                                | LAD9R3    |
| Jumper bar 3-pole for Star Delta application | for 9, 25, 38A (size 1 and 2) starters                       | LAD9P3    |
|  | for 65, 80 A (size 3) starters, a hazard sticker is provided | LAD9SD3S  |

# TeSys Control

## Ultra motor starters

### Introduction

## From traditional solution to ...

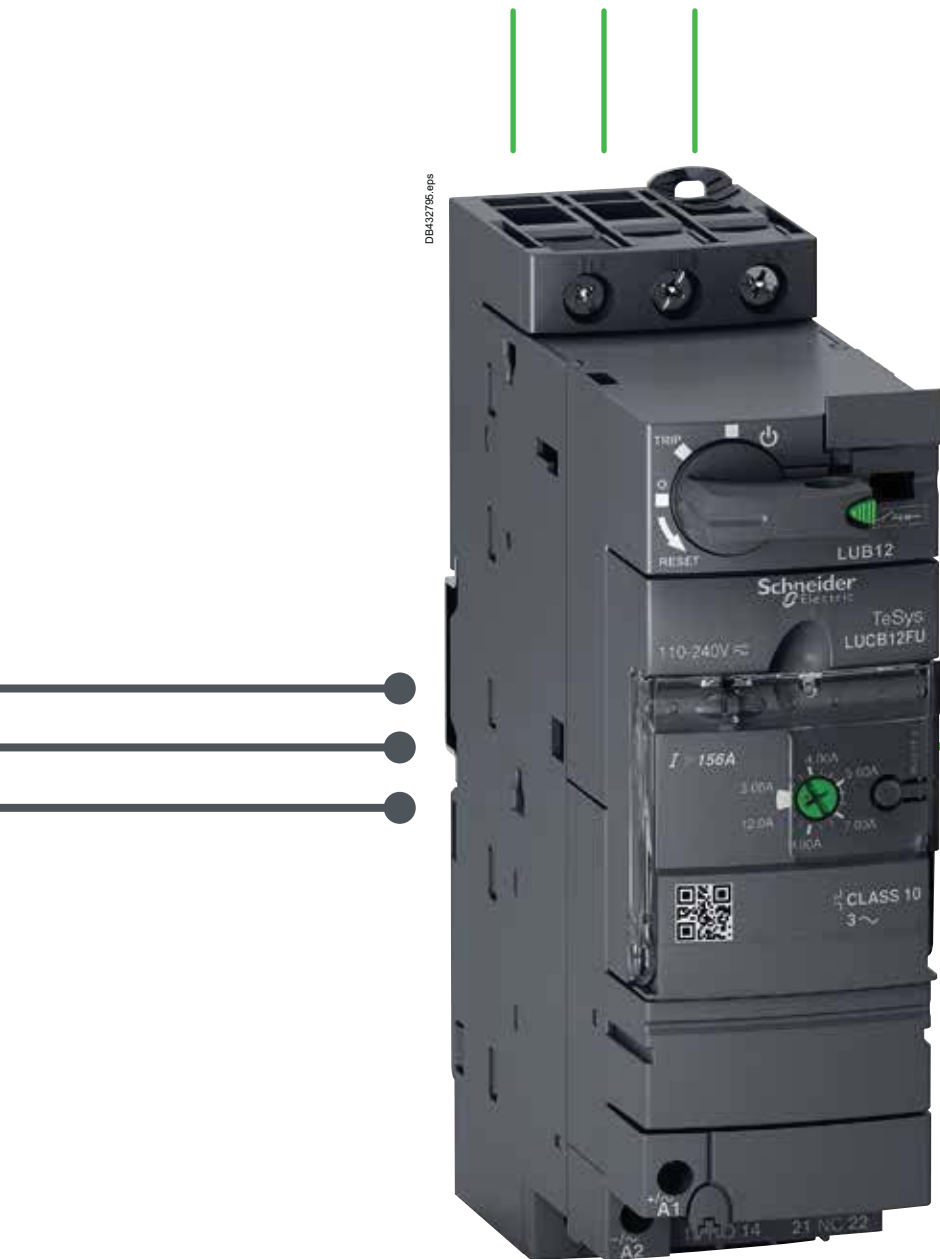


# TeSys Control

## Ultra motor starters

### Introduction

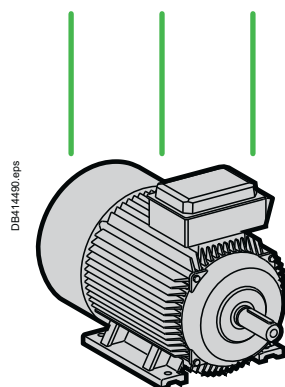
## ...Ultra motor starter



### Ultra motor starter

> All basic or advanced protection and control functions in one block and more...

- > Overload indication and alarm
- > Status report, remote control via communication bus



**Ultra motor starters** can be used in **80 %** of motor protection and control applications.

# TeSys Control

## Ultra motor starters



- Total Coordinated Starter – 3 functions in a single device
- Compact Starter, DOL / RDOL upto 18.5kW (38A, AC-3) in 45mm width
- Direct connectivity to Modbus / Profibus / CANopen / DeviceNet
- Higher switching life - 15Million operations, 2Million AC-43 electrical life
- Breaking capacity upto 130kA



### Power Base

For assembling components, ON/OFF operation and resetting.  
 > 3 power bases:  
 upto 12A and upto 38A  
 > Direct starter and reversing starter models.

### Control Unit

Performs all the electrical protection functions to cover main applications from 0 to 38A.

Some of these also provide advanced measurement, alarm and display functions.

### 4 simple function modules

- Thermal overload alarm Indication of motor load
- Thermal overload signalling and manual reset
- Thermal overloaded signalling and automatic or remote reset.

### 4 communication modules

- Profibus DP
- CANopen
- DeviceNet
- Modbus.

# 40%

“TeSys solutions allow us to reduce the size of our enclosure”  
 says a panel builder from the water treatment sector

# 60%

“Late customization means that we can build 60% of the panels, even though the project design has not yet been completed”  
 says an engineer in a food processing industry

## Quick Selection

| Select 1  | +                    | Select 1 | Optional               | or | Optional             | or   | Optional               |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
|---|----------------------|----------|------------------------|----|----------------------|------|------------------------|----|----------------------|------|------------------------|----|----------------------|------|------|-----|----|------------------------|----|--|----------------------|------|--|------------------------|----|--|----------------------|------|--|------------------------|----|--|----------------------|------|--|---------|--|----|---------|--|---|-----------------------|--|----|------------------|--|----|--|---|-----|---|----|----|---------------|---|--|--|---------------|---|--|--|---------------|---|--|--|---------------|---|--|--|---------------|--|----|--|---------------|--|----|--|-------------|--|----|--|-----------|--|----|--|-------------|--|----|--|-----------|--|----|--|--------|--|--|----|-------|--|--|---|--------------------|--|--|----|-----------------|--|--|----|--|------|-----|---------------|-----|-------------|----|---------|----|-----------|----|-------------|-----------|---|----------------------|---|------------------|---|-----|------|-------------------------------|------|-----------------------------|------|----------------------------|-----|--------------------------------|----|---|------|----|-----------|----|-----|----|-----|----|-------------------|---------|-------|----|-----------|----|-----|----|---|-------------|-----------|------------------------------|--------|----------------------------|--------|
| <b>Base Power Unit</b><br>Non-Reversing<br><table border="1"> <tr><td>LUB</td><td>120</td></tr> <tr><td>0... 12A with terminal</td><td>12</td></tr> <tr><td>0... 12A no terminal</td><td>120*</td></tr> <tr><td>0... 32A with terminal</td><td>32</td></tr> <tr><td>0... 32A no terminal</td><td>320*</td></tr> <tr><td>0... 38A with terminal</td><td>38</td></tr> <tr><td>0... 38A no terminal</td><td>380*</td></tr> </table> Reversing<br><table border="1"> <tr><td>LU2B</td><td>120</td><td>BL</td></tr> <tr><td>0... 12A with terminal</td><td>12</td><td></td></tr> <tr><td>0... 12A no terminal</td><td>120*</td><td></td></tr> <tr><td>0... 32A with terminal</td><td>32</td><td></td></tr> <tr><td>0... 32A no terminal</td><td>320*</td><td></td></tr> <tr><td>0... 38A with terminal</td><td>38</td><td></td></tr> <tr><td>0... 38A no terminal</td><td>380*</td><td></td></tr> <tr><td>24 V DC</td><td></td><td>BL</td></tr> <tr><td>24 V AC</td><td></td><td>B</td></tr> <tr><td>48...72 VAC or 48 VDC</td><td></td><td>ES</td></tr> <tr><td>110...240 VAC/DC</td><td></td><td>FU</td></tr> </table> *prewired cables to be ordered separately | LUB                  | 120      | 0... 12A with terminal | 12 | 0... 12A no terminal | 120* | 0... 32A with terminal | 32 | 0... 32A no terminal | 320* | 0... 38A with terminal | 38 | 0... 38A no terminal | 380* | LU2B | 120 | BL | 0... 12A with terminal | 12 |  | 0... 12A no terminal | 120* |  | 0... 32A with terminal | 32 |  | 0... 32A no terminal | 320* |  | 0... 38A with terminal | 38 |  | 0... 38A no terminal | 380* |  | 24 V DC |  | BL | 24 V AC |  | B | 48...72 VAC or 48 VDC |  | ES | 110...240 VAC/DC |  | FU |  | <b>Control Unit</b><br><table border="1"> <tr><td>LUC</td><td>B</td><td>X6</td><td>BL</td></tr> <tr><td>Class 10, 3Ph</td><td>B</td><td></td><td></td></tr> <tr><td>Class 10, 1Ph</td><td>C</td><td></td><td></td></tr> <tr><td>Class 20, 3Ph</td><td>D</td><td></td><td></td></tr> <tr><td>Multifunction</td><td>M</td><td></td><td></td></tr> <tr><td>0.15 to 0.6 A</td><td></td><td>X6</td><td></td></tr> <tr><td>0.35 to 1.4 A</td><td></td><td>1X</td><td></td></tr> <tr><td>1.25 to 5 A</td><td></td><td>05</td><td></td></tr> <tr><td>3 to 12 A</td><td></td><td>12</td><td></td></tr> <tr><td>4.5 to 18 A</td><td></td><td>18</td><td></td></tr> <tr><td>8 to 38 A</td><td></td><td>38</td><td></td></tr> <tr><td>24V DC</td><td></td><td></td><td>BL</td></tr> <tr><td>24VAC</td><td></td><td></td><td>B</td></tr> <tr><td>48...72 VAC/48 VDC</td><td></td><td></td><td>ES</td></tr> <tr><td>110...240VAC/DC</td><td></td><td></td><td>FU</td></tr> </table> | LUC | B | X6 | BL | Class 10, 3Ph | B |  |  | Class 10, 1Ph | C |  |  | Class 20, 3Ph | D |  |  | Multifunction | M |  |  | 0.15 to 0.6 A |  | X6 |  | 0.35 to 1.4 A |  | 1X |  | 1.25 to 5 A |  | 05 |  | 3 to 12 A |  | 12 |  | 4.5 to 18 A |  | 18 |  | 8 to 38 A |  | 38 |  | 24V DC |  |  | BL | 24VAC |  |  | B | 48...72 VAC/48 VDC |  |  | ES | 110...240VAC/DC |  |  | FU | <b>Communication Module*</b><br><table border="1"> <tr><td>LULC</td><td>033</td></tr> <tr><td>Modbus Serial</td><td>033</td></tr> <tr><td>Profibus DP</td><td>07</td></tr> <tr><td>CANopen</td><td>08</td></tr> <tr><td>DeviceNet</td><td>09</td></tr> </table><br><b>Prewired Cables</b><br><table border="1"> <thead> <tr><th>Description</th><th>Reference</th></tr> </thead> <tbody> <tr><td>Prewired cable for non-reversing power base</td><td>LU9BN11C or LU9BN11L</td></tr> <tr><td>Prewired cable for reversing power base</td><td>LU9MRC or LU9MRL</td></tr> </tbody> </table> | LULC | 033 | Modbus Serial | 033 | Profibus DP | 07 | CANopen | 08 | DeviceNet | 09 | Description | Reference | Prewired cable for non-reversing power base | LU9BN11C or LU9BN11L | Prewired cable for reversing power base | LU9MRC or LU9MRL | <b>Function Module</b><br><table border="1"> <tr><td>LUF</td><td>DH11</td></tr> <tr><td>Fault diff. with manual reset</td><td>DH11</td></tr> <tr><td>Fault diff. with auto reset</td><td>DA10</td></tr> <tr><td>Thermal overload pre-alarm</td><td>W10</td></tr> <tr><td>Motor load indication (4-20mA)</td><td>V2</td></tr> </table> | LUF | DH11 | Fault diff. with manual reset | DH11 | Fault diff. with auto reset | DA10 | Thermal overload pre-alarm | W10 | Motor load indication (4-20mA) | V2 | <b>Auxiliary Contacts</b><br>Contactor auxiliary contacts<br><table border="1"> <tr><td>LUFN</td><td>11</td></tr> <tr><td>1NO + 1NC</td><td>11</td></tr> <tr><td>2NC</td><td>02</td></tr> <tr><td>2NO</td><td>20</td></tr> <tr><td>Side contacts 2NO</td><td>LUA8E20</td></tr> </table><br>Power auxiliary contacts (trip status)<br><table border="1"> <tr><td>LUA1C</td><td>20</td></tr> <tr><td>1NO + 1NC</td><td>11</td></tr> <tr><td>2NO</td><td>20</td></tr> </table> | LUFN | 11 | 1NO + 1NC | 11 | 2NC | 02 | 2NO | 20 | Side contacts 2NO | LUA8E20 | LUA1C | 20 | 1NO + 1NC | 11 | 2NO | 20 | <b>Accessories</b><br><table border="1"> <thead> <tr><th>Description</th><th>Reference</th></tr> </thead> <tbody> <tr><td>Line spacer for UL508 Type E</td><td>LU9SPO</td></tr> <tr><td>Current limiter 130kA@460V</td><td>LUALB1</td></tr> </tbody> </table> | Description | Reference | Line spacer for UL508 Type E | LU9SPO | Current limiter 130kA@460V | LUALB1 |
| LUB   | 120                  |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 12A with terminal  | 12                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 12A no terminal  | 120*                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 32A with terminal  | 32                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 32A no terminal  | 320*                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 38A with terminal  | 38                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 38A no terminal  | 380*                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| LU2B  | 120                  | BL       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 12A with terminal  | 12                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 12A no terminal  | 120*                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 32A with terminal  | 32                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 32A no terminal  | 320*                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 38A with terminal  | 38                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0... 38A no terminal  | 380*                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 24 V DC   |                      | BL       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 24 V AC   |                      | B        |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 48...72 VAC or 48 VDC   |                      | ES       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 110...240 VAC/DC  |                      | FU       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| LUC   | B                    | X6       | BL                     |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Class 10, 3Ph   | B                    |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Class 10, 1Ph   | C                    |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Class 20, 3Ph   | D                    |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Multifunction   | M                    |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0.15 to 0.6 A   |                      | X6       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 0.35 to 1.4 A   |                      | 1X       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 1.25 to 5 A   |                      | 05       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 3 to 12 A   |                      | 12       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 4.5 to 18 A   |                      | 18       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 8 to 38 A   |                      | 38       |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 24V DC  |                      |          | BL                     |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 24VAC   |                      |          | B                      |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 48...72 VAC/48 VDC  |                      |          | ES                     |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 110...240VAC/DC   |                      |          | FU                     |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| LULC  | 033                  |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Modbus Serial   | 033                  |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Profibus DP   | 07                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| CANopen   | 08                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| DeviceNet   | 09                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Description   | Reference            |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Prewired cable for non-reversing power base   | LU9BN11C or LU9BN11L |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Prewired cable for reversing power base   | LU9MRC or LU9MRL     |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| LUF   | DH11                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Fault diff. with manual reset   | DH11                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Fault diff. with auto reset   | DA10                 |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Thermal overload pre-alarm  | W10                  |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Motor load indication (4-20mA)  | V2                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| LUFN  | 11                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 1NO + 1NC   | 11                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 2NC   | 02                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 2NO   | 20                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Side contacts 2NO   | LUA8E20              |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| LUA1C   | 20                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 1NO + 1NC   | 11                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| 2NO   | 20                   |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Description   | Reference            |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Line spacer for UL508 Type E  | LU9SPO               |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |
| Current limiter 130kA@460V  | LUALB1               |          |                        |    |                      |      |                        |    |                      |      |                        |    |                      |      |      |     |    |                        |    |  |                      |      |  |                        |    |  |                      |      |  |                        |    |  |                      |      |  |         |  |    |         |  |   |                       |  |    |                  |  |    |  |   |     |   |    |    |               |   |  |  |               |   |  |  |               |   |  |  |               |   |  |  |               |  |    |  |               |  |    |  |             |  |    |  |           |  |    |  |             |  |    |  |           |  |    |  |        |  |  |    |       |  |  |   |                    |  |  |    |                 |  |  |    |  |      |     |               |     |             |    |         |    |           |    |             |           |   |                      |   |                  |   |     |      |                               |      |                             |      |                            |     |                                |    |   |      |    |           |    |     |    |     |    |                   |         |       |    |           |    |     |    |   |             |           |                              |        |                            |        |

\*Suitable with 24V DC starter variant only

**Note:** For prices please contact regional sales office or customer care centre

# Wherever productivity is a concern, intelligence to Motor Control is the solution



TeSys T Intelligence system optimises the operational performance of LV motors through advanced protections and embedded intelligent functions inside intelligent Motor Control Centre (iMCC)



Discover  
TeSys T



# Tesys T Motor Management Systems

TeSys T covers all load monitoring and protection needs from feeders to critical process automation. The equipment is protected, while advanced diagnostics, statistics, and alarms help in anticipating unexpected production halts and minimize downtime. TeSys T is compact and a natural fit for control panels with IEC or NEMA standards. In addition, the system's connectivity and access to real-time data provides key information to enhance the operation and safety of the process while improving efficiency.

## Tesys T Controller:

Intelligent motor controller for 1P/3P Motors with built in CT up to 100Amps with accurate monitoring and protection functions, 6DI, 4DO, 1CBCT input, 1 Temperature probe

### Protection Functions:

- Thermal overload
- Phase imbalance and phase overloads
- Temperature monitoring via probes
- Phase reversal
- Ground fault detection
- Long start and Jam protection
- Load shedding
- Load fluctuations
- power factor monitoring

### Monitoring Functions:

- Phase and average current
- Line to Line and average voltage
- Motor temperature, ground current
- Active and Reactive Energy
- Frequency & Power Factor
- Detailed Fault history
- Fault counts
- motor statistics

### Control Functions:


- Local / Remote / HMI control
- Predefined programs for DOL, RDOL, Star-delta, two-speed starters

### Communication:



## Quick Selection

### TeSys T Controller

| Reference   |                             |     |      |
|---|-----------------------------|-----|------|
|  | LTM R                       | 100 | E BD |
| Current Range   | 0.4 - 8 A                   | 08  |      |
|   | 1.35 - 27 A                 | 27  |      |
|   | 5 - 100 A                   | 100 |      |
| Network Protocol  | CAN Open                    | C   |      |
|   | DeviceNet                   | D   |      |
|   | Ethernet IP / Modbus TCP/IP | E   |      |
|   | Modbus                      | M   |      |
|   | Profibus DP                 | P   |      |
| Control Voltage   | 24 V DC                     | BD  |      |
|   | 110-240V AC                 | FM  |      |



**TeSys T**  
Full and Flexible  
Intelligent Motor  
Management System


### TeSys T Accessories

| TeSys T Expansion Module <sup>1,2</sup> |            |  |
|---|------------|--|
| Control Voltage                         | Reference  |  |
| 24 V DC                                 | LTM EV40BD |  |
| 110V AC                                 | LTM EV40FM |  |


<sup>1</sup> Required for Voltage & Power measurement  
<sup>2</sup> 4 digital inputs

| Connector for Expansion |                       |  |
|-------------------------|-----------------------|--|
| Length (m)              | Reference             |  |
| 0.04                    | LTMCC004 <sup>3</sup> |  |


<sup>3</sup> Sold in lots of 6

| Ground Fault CT's   |             |                     |           |
|---|-------------|---------------------|-----------|
|   | Primary [A] | Internal Ø "d" [mm] | Reference |
|  | 65          | 30                  | 50437     |
|   | 85          | 50                  | 50438     |
|   | 160         | 80                  | 50439     |
|   | 250         | 120                 | 50440     |
|   | 400         | 200                 | 50441     |
|   | 630         | 300                 | 50442     |

| Description                 | Composition            | Reference      |
|-----------------------------|------------------------|----------------|
| Programming software SoMove | 1 Program for each PC  | On request     |
| PC connecting cable         | USB to RS485 Converter | TCSMCNAM3M002P |

| Operator Control Display   |           |  |
|--|-----------|--|
| Description  | Reference |  |
|  Operator Control Display with configuration backup | LTM CUF   |  |

| Controller to Display Cable |           |  |
|-----------------------------|-----------|--|
| Length (m)                  | Reference |  |
| 1.0                         | LTM9CU10  |  |
| 3.0                         | LTM9CU30  |  |

| Current Transformers <sup>4</sup>   |             |               |            |
|---|-------------|---------------|------------|
|   | Primary [A] | Secondary [A] | Reference  |
|  | 100         | 1             | LT6 CT1001 |
|   | 200         | 1             | LT6 CT2001 |
|   | 400         | 1             | LT6 CT4001 |
|   | 800         | 1             | LT6 CT8001 |

**Note:** For prices please contact regional sales office or customer care centre

# Type 2 Co-ordination chart with TeSys range

Type 2 co-ordination chart for Direct-On-Line starter with circuit breaker and overload protection built into the circuit breaker

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

| Sr. No. | 3 $\phi$ Motor power in kW | Current in A | Circuit Breaker              | Setting range of thermal trips (A) | Contactor |
|---------|----------------------------|--------------|------------------------------|------------------------------------|-----------|
| 1       | 0.06                       | 0.2          | GV2P02 or GV2ME02            | 0.16...0.25                        | LC1D09    |
| 2       | 0.09                       | 0.3          | GV2P03 or GV2ME03            | 0.25...0.4                         | LC1D09    |
| 3       | 0.12                       | 0.44         | GV2P04 or GV2ME04            | 0.4...0.63                         | LC1D09    |
| 4       | 0.18                       | 0.6          | GV2P04 or GV2ME04            | 0.4...0.63                         | LC1D09    |
| 5       | 0.25                       | 0.85         | GV2P05 or GV2ME05            | 0.63...1                           | LC1D09    |
| 6       | 0.37                       | 1.0          | GV2P05 or GV2ME05            | 0.63...1                           | LC1D09    |
| 7       | 0.55                       | 1.5          | GV2P06 or GV2ME06            | 1...1.6                            | LC1D09    |
| 8       | 0.75                       | 1.9          | GV2P07 or GV2ME07            | 1.6...2.5                          | LC1D09    |
| 9       | 1.1                        | 2.7          | GV2P08 or GV2ME08            | 2.5...4                            | LC1D09    |
| 10      | 1.5                        | 3.6          | GV2P08 or GV2ME08            | 2.5...4                            | LC1D09    |
| 11      | 2.2                        | 4.9          | GV2P10 or GV2ME10            | 4...6.3                            | LC1D09    |
| 12      | 3                          | 6.5          | GV2P14 or GV2ME14            | 6...10                             | LC1D09    |
| 13      | 4                          | 8.5          | GV2P14 or GV2ME14            | 6...10                             | LC1D09    |
| 14      | 5.5                        | 11.5         | GV2P16                       | 9...14                             | LC1D25    |
| 15      | 7.5                        | 15.5         | GV2P20                       | 13...18                            | LC1D25    |
| 16      | 9                          | 18.1         | GV2P21                       | 17...23                            | LC1D25    |
| 17      | 11                         | 22           | GV2P22                       | 20...25                            | LC1D25    |
| 18      | 15                         | 29           | GV2P32                       | 25...40                            | LC1D32    |
| 19      | 18.5                       | 35           | GV3P40                       | 30...40                            | LC1D50A   |
| 20      | 22                         | 41           | GV3P50                       | 37...50                            | LC1D50A   |
| 21      | 30                         | 55           | GV3P65                       | 48...65                            | LC1D65A   |
| 22      | 37                         | 66           | GV4PE/PEM80 <sup>*(2)</sup>  | 62...73                            | LC1D80    |
| 23      | 45                         | 80           | GV4PE/PEM115 <sup>*(2)</sup> | 65...115                           | LC1D115   |
| 24      | 55                         | 97           | GV4PE/PEM115 <sup>*(2)</sup> | 65...115                           | LC1D115   |
| 25      | 75                         | 132          | GV5P150 <sup>*(2)</sup>      | 70...150                           | LC1D150   |
| 26      | 90                         | 160          | GV5P220 <sup>*(2)</sup>      | 100...220                          | LC1G185   |
| 27      | 110                        | 195          | GV5P220 <sup>*(2)</sup>      | 100...220                          | LC1G225   |
| 28      | 132                        | 230          | GV6P320 <sup>*(2)</sup>      | 160...320                          | LC1G265   |
| 29      | 160                        | 280          | GV6P320 <sup>*(2)</sup>      | 160...320                          | LC1G330   |
| 30      | 220                        | 385          | GV6P500 <sup>*(2)</sup>      | 250...500                          | LC1G500   |
| 31      | 250                        | 450          | GV6P500 <sup>*(2)</sup>      | 250...500                          | LC1G500   |

(1) The breaking performance of circuit-breakers GV2 P can be increased by adding a current limiter GV1 L3

(2) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

| Circuit breaker type                        | GV5P150* | GV5P220* | GV5P320* | GV6P500* | GV4PE/PEM80* | GV4PE/PEM115* |
|---|----------|----------|----------|----------|--------------|---------------|
| Breaking performance $I_q$ (kA) at 400/415V | 70       | 70       | 70       | 70       | 50           | 50            |
| Breaking performance code                   | H        | H        | H        | H        | N            | N             |

For advanced protection, protection with Electronic Overcurrent Relays, heavy starting, please contact our sales teams.



# Type 2 Co-ordination chart

Type 2 co-ordination chart for Direct-On-Line starter with circuit breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

| Sr. No. | 3 $\Phi$ Motor power in kW | Current in Amps | Circuit Breaker                   | Contactor | Overload relay |             |
|---------|----------------------------|-----------------|-----------------------------------|-----------|----------------|-------------|
|         |                            |                 |                                   |           | Type           | Range (A)   |
| 1       | 0.06                       | 0.2             | GV2L03 or GV2LE03                 | LC1D09    | LRD02          | 0.16...0.25 |
| 2       | 0.09                       | 0.3             | GV2L03 or GV2LE03                 | LC1D09    | LRD03          | 0.25...0.40 |
| 3       | 0.12                       | 0.44            | GV2L04 or GV2LE04                 | LC1D09    | LRD04          | 0.4...0.63  |
| 4       | 0.18                       | 0.6             | GV2L04 or GV2LE04                 | LC1D09    | LRD04          | 0.4...0.63  |
| 5       | 0.25                       | 0.85            | GV2L05 or GV2LE05                 | LC1D09    | LRD05          | 0.63...1    |
| 6       | 0.37                       | 1.0             | GV2L05 or GV2P06                  | LC1D09    | LRD05          | 0.63...1    |
| 7       | 0.55                       | 1.5             | GV2L06 or GV2LE06                 | LC1D09    | LRD06          | 1...1.7     |
| 8       | 0.75                       | 1.9             | GV2L07 or GV2LE07                 | LC1D09    | LRD07          | 1.6...2.5   |
| 9       | 1.1                        | 2.7             | GV2L08 or GV2LE08                 | LC1D09    | LRD08          | 2.5...4     |
| 10      | 1.5                        | 3.6             | GV2L08 or GV2LE08                 | LC1D09    | LRD08          | 2.5...4     |
| 11      | 2.2                        | 4.9             | GV2L10 or GV2LE10                 | LC1D09    | LRD10          | 4...6       |
| 12      | 3                          | 6.5             | GV2L14 or GV2LE14                 | LC1D09    | LRD12          | 5.5...8     |
| 13      | 4                          | 8.5             | GV2L14 or GV2LE14                 | LC1D09    | LRD14          | 7...10      |
| 14      | 5.5                        | 11.5            | GV2L16                            | LC1D25    | LRD16          | 9...13      |
| 15      | 7.5                        | 15.5            | GV2L20                            | LC1D25    | LRD21          | 12...18     |
| 16      | 9                          | 18.1            | GV2L22                            | LC1D25    | LRD22          | 16...24     |
| 17      | 11                         | 22              | GV2L22                            | LC1D25    | LRD22          | 16...24     |
| 18      | 15                         | 29              | GV3L32                            | LC1D40A   | LRD332         | 23...32     |
| 19      | 18.5                       | 35              | GV3L40                            | LC1D50A   | LRD340         | 30...40     |
| 20      | 22                         | 41              | GV3L50                            | LC1D50A   | LRD350         | 37...50     |
| 21      | 30                         | 55              | GV3L65                            | LC1D65A   | LRD365         | 48...65     |
| 22      | 37                         | 66              | GV4L/LE80 <sup>(1)</sup>          | LC1D80    | LRD3363        | 63...80     |
| 23      | 45                         | 80              | GV4L/LE115 <sup>(1)</sup>         | LC1D115   | LR9D5367       | 60...100    |
| 24      | 55                         | 97              | GV4L/LE115 <sup>(1)</sup>         | LC1D115   | LR9D5369       | 90...150    |
| 25      | 75                         | 132             | NSX160*MA <sup>(1)</sup>          | LC1D150   | LR9D5369       | 90...150    |
| 26      | 90                         | 160             | NSX250*MA <sup>(1)</sup>          | LC1G185   | LR9G225        | 57...225    |
| 27      | 110                        | 195             | NSX250*MA <sup>(1)</sup>          | LC1G225   | LR9G225        | 57...225    |
| 28      | 132                        | 230             | NSX400* + Mic 1.3M <sup>(1)</sup> | LC1G265   | LR9G500        | 125...500   |
| 29      | 160                        | 280             | NSX400* + Mic 1.3M <sup>(1)</sup> | LC1G330   | LR9G500        | 125...500   |
| 30      | 200                        | 350             | NSX630* + Mic 1.3M <sup>(1)</sup> | LC1G400   | LR9G500        | 125...500   |
| 31      | 220                        | 388             | NSX630* + Mic 1.3M <sup>(1)</sup> | LC1G500   | LR9G500        | 125...500   |
| 32      | 250                        | 430             | NSX630* + Mic 1.3M <sup>(1)</sup> | LC1G500   | LR9G500        | 125...500   |

(1) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

| Circuit breaker type                        | NSX100*MA | NSX160*MA, NSX250*MA | NSX400* NSX630* | GV4L/LE80* | GV4L/LE115* |
|---|-----------|----------------------|-----------------|------------|-------------|
| Breaking performance $I_q$ (kA) at 400/415V | 50        | 50                   | 50              | 50         | 50          |
| Breaking performance code                   | N         | N                    | N               | N          | N           |

For advanced protection, protection with Electronic Overcurrent Relays, heavy starting, please contact our sales teams.

# Type 2 Co-ordination chart

Type 2 co-ordination chart for Star Delta starters with circuit-breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

| Sr. No. | 3 $\Phi$ Motor power in kW | Line current in Amps | Phase current in Amps | Circuit Breaker                | Main/Delta Contactor | Star Contactor | Overload Relay |             |
|---------|----------------------------|----------------------|-----------------------|--------------------------------|----------------------|----------------|----------------|-------------|
|         |                            |                      |                       |                                |                      |                | Type           | Range (A)   |
| 1       | 5.5                        | 11.5                 | 6.6                   | GV2L16                         | LC1D25               | LC1D09         | LRD12          | 5.5..8      |
| 2       | 7.5                        | 15.5                 | 8.9                   | GV2L20                         | LC1D25               | LC1D09         | LRD14          | 7..10       |
| 3       | 9                          | 18.1                 | 10.5                  | GV2L22                         | LC1D25               | LC1D09         | LRD16          | 9..13       |
| 4       | 11                         | 22                   | 12.7                  | GV2L22                         | LC1D25               | LC1D09         | LRD21          | 12..18      |
| 5       | 15                         | 29                   | 16.7                  | GV3L32                         | LC1D40A              | LC1D09         | LRD318         | 12..18      |
| 6       | 18.5                       | 35                   | 20.2                  | GV3L40                         | LC1D50A              | LC1D09         | LRD325         | 17..25      |
| 7       | 22                         | 41                   | 23.7                  | GV3L50                         | LC1D50A              | LC1D18         | LRD332         | 23..32      |
| 8       | 30                         | 55                   | 31.8                  | GV3L65                         | LC1D65A              | LC1D18         | LRD340         | 30..40      |
| 9       | 37                         | 66                   | 38.1                  | GV3L73                         | LC1D80A              | LC1D32         | LRD350         | 37..50      |
| 10      | 37                         | 66                   | 38.1                  | GV4L/LE80 <sup>(1)</sup>       | LC1D80A              | LC1D32         | LRD3357        | 37..50      |
| 11      | 45                         | 80                   | 46.2                  | GV4L/LE115 <sup>(1)</sup>      | LC1D115              | LC1D65A        | LRD3357        | 37..50      |
| 12      | 55                         | 97                   | 56                    | GV4L/LE115 <sup>(1)</sup>      | LC1D115              | LC1D65A        | LRD3359        | 48..65      |
| 13      | 75                         | 132                  | 76.2                  | NSX160*MA150 <sup>(1)</sup>    | LC1D150              | LC1D65A        | LR9D5367       | 60 ... 100  |
| 14      | 90                         | 160                  | 92.4                  | NSX250*MA220 <sup>(1)</sup>    | LC1G115              | LC1D65         | LR9G115        | 28 ... 115  |
| 15      | 110                        | 195                  | 112.6                 | NSX250*MA220 <sup>(1)</sup>    | LC1G150              | LC1D80         | LR9G225        | 57 ... 225  |
| 16      | 132                        | 230                  | 132.8                 | NSX400*Mic 1.3M <sup>(1)</sup> | LC1G150              | LC1D80         | LR9G225        | 57 ... 225  |
| 17      | 160                        | 280                  | 161.7                 | NSX400*Mic 1.3M <sup>(1)</sup> | LC1G185              | LC1D115        | LR9G225        | 57 ... 225  |
| 18      | 200                        | 350                  | 202.1                 | NSX630*Mic 1.3M <sup>(1)</sup> | LC1G225              | LC1G150        | LR9G225        | 57 ... 225  |
| 19      | 220                        | 388                  | 224                   | NSX630*Mic 1.3M <sup>(1)</sup> | LC1G265              | LC1G150        | LR9G500        | 125 ... 500 |
| 20      | 250                        | 430                  | 248.3                 | NSX630*Mic 1.3M <sup>(1)</sup> | LC1G265              | LC1G150        | LR9G500        | 125 ... 500 |

(1) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

| Circuit breaker type                        | NSX100*MA | NSX160*MA, NSX250*MA | NSX400* NSX630* | GV4L/LE80* | GV4L/LE115* |
|---|-----------|----------------------|-----------------|------------|-------------|
| Breaking performance $I_q$ (kA) at 400/415V | 50        | 50                   | 50              | 50         | 50          |
| Breaking performance code                   | N         | N                    | N               | N          | N           |

For advanced protection, protection with Electronic Overcurrent Relays, heavy starting, please contact our sales teams.

# Type 2 Co-ordination chart

Type 2 co-ordination chart for Star Delta starter with circuit breaker and overload protection built into circuit breaker

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V$ , 50/60Hz  
Short Circuit Current ( $I_q$ ) = 50kA / 70kA as per table

| Sr. No. | 3Φ Motor power in kW | Line current in Amps | Phase current in Amps | $I_q$ (kA) | Circuit Breaker              | Main/Delta Contactor | Star Contactor |
|---------|----------------------|----------------------|-----------------------|------------|------------------------------|----------------------|----------------|
| 1       | 5,5                  | 11.5                 | 6.6                   | 50         | GV2P16                       | LC1D25               | LC1D09         |
| 2       | 7,5                  | 15.5                 | 8.9                   | 50         | GV2P20                       | LC1D25               | LC1D09         |
| 3       | 9                    | 18.1                 | 10.5                  | 50         | GV2P21                       | LC1D25               | LC1D09         |
| 4       | 11                   | 22                   | 12.7                  | 50         | GV2P22                       | LC1D25               | LC1D09         |
| 5       | 15                   | 29                   | 16,7                  | 50         | GV3P32                       | LC1D40A              | LC1D09         |
| 6       | 18,5                 | 35                   | 20.2                  | 50         | GV3P40                       | LC1D50A              | LC1D09         |
| 7       | 22                   | 41                   | 23.7                  | 50         | GV3P50                       | LC1D50A              | LC1D18         |
| 8       | 30                   | 55                   | 31.8                  | 50         | GV3P65                       | LC1D65A              | LC1D32         |
| 9       | 37                   | 66                   | 38.1                  | 50         | GV3P73                       | LC1D80A              | LC1D32         |
| 10      | 37                   | 66                   | 38.1                  | 70         | GV4PE/PEM80 <sup>*(1)</sup>  | LC1D80A              | LC1D32         |
| 11      | 45                   | 80                   | 46.2                  | 70         | GV4PE/PEM115 <sup>*(1)</sup> | LC1D115              | LC1D65A        |
| 12      | 55                   | 97                   | 56.0                  | 70         | GV4PE/PEM115 <sup>*(1)</sup> | LC1D115              | LC1D65A        |
| 13      | 75                   | 132                  | 76.2                  | 70         | GV5P150 <sup>*(1)</sup>      | LC1 D150             | LC1D150        |
| 14      | 90                   | 160                  | 92.4                  | 70         | GV5P220 <sup>*(1)</sup>      | LC1 G115             | LC1D65         |
| 15      | 110                  | 195                  | 112.6                 | 70         | GV5P220 <sup>*(1)</sup>      | LC1 G150             | LC1D80         |
| 16      | 132                  | 230                  | 132.8                 | 70         | GV6P320 <sup>*(1)</sup>      | LC1G150              | LC1D95         |
| 17      | 160                  | 280                  | 161.7                 | 70         | GV6P320 <sup>*(1)</sup>      | LC1G185              | LC1G115        |
| 18      | 220                  | 388                  | 224.0                 | 70         | GV6P500 <sup>*(1)</sup>      | LC1G265              | LC1G150        |
| 19      | 250                  | 430                  | 248.3                 | 70         | GV6P500 <sup>*(1)</sup>      | LC1G265              | LC1G150        |

(1) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

| Circuit breaker type                        | GV5P150* | GV5P220* | GV5P320* | GV6P500* | GV4PE/PEM80* | GV4PE/PEM115* |
|---|----------|----------|----------|----------|--------------|---------------|
| Breaking performance $I_q$ (kA) at 400/415V | 70       | 70       | 70       | 70       | 50           | 50            |
| Breaking performance code                   | H        | H        | H        | H        | N            | N             |

# Type 2 Co-ordination chart

Type 2 Co-ordination chart for Direct-On-Line starter with circuit breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

| Sr. No. | 3Φ Motor power in kW | Circuit Breaker | Contactors   | Thermal Overload Relay |
|---------|----------------------|-----------------|--------------|------------------------|
| 1       | 0.18                 | GV4L/LE02*      | LC1D09       | LRD05                  |
| 2       | 0.25                 | GV4L/LE02*      | LC1D09       | LRD05                  |
| 3       | 0.37                 | GV4L/LE02*      | LC1D09       | LRD06                  |
| 4       | 0.55                 | GV4L/LE02*      | LC1D09       | LRD06                  |
| 5       | 0.75                 | GV4L/LE02*      | LC1D09       | LRD07                  |
| 6       | 1.1                  | GV4L/LE03*      | LC1D25       | LRD08                  |
| 7       | 1.5                  | GV4L/LE07*      | LC1D32+GV1L3 | LRD08                  |
| 8       | 2.2                  | GV4L/LE07*      | LC1D32+GV1L3 | LRD10                  |
| 9       | 3                    | GV4L/LE07*      | LC1D40A      | LRD12                  |
| 10      | 4                    | GV4L/LE12*      | LC1D65A      | LRD14                  |
| 11      | 5.5                  | GV4L/LE12*      | LC1D65A      | LRD313                 |
| 12      | 7.5                  | GV4L/LE25*      | LC1D65A      | LRD318                 |
| 13      | 10                   | GV4L/LE25*      | LC1D65A      | LRD325                 |
| 14      | 11                   | GV4L/LE25*      | LC1D65A      | LRD325                 |
| 15      | 15                   | GV4L/LE50*      | LC1D65A      | LRD332                 |
| 16      | 18.5                 | GV4L/LE50*      | LC1D65A      | LRD340                 |
| 17      | 22                   | GV4L/LE50*      | LC1D65A      | LRD350                 |
| 18      | 30                   | GV4L/LE80*      | LC1D65A      | LRD365                 |

\* - Reference to be completed by replacing the \* with the breaking performance code as per table given below:

Performance I<sub>q</sub> (kA) at 415V

| Circuit breaker | Breaking performance code |    |     |
|-----------------|---------------------------|----|-----|
|                 | B                         | N  | S   |
| GV4L/LE02-12    | -                         | 50 | 100 |
| GV4L/LE25-115   | 25                        | 50 | 100 |

# Type 2 Co-ordination chart

Type 2 Co-ordination chart for Star Delta starter with circuit breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

| Sr. No. | P (kW) | I <sub>e</sub> (A) | I <sub>e</sub> /1,73 (A) | Circuit Breaker | Main/Delta Contactor | Star Contactor | Thermal Overload Relay |           |
|---------|--------|--------------------|--------------------------|-----------------|----------------------|----------------|------------------------|-----------|
| 1       | 0.25   | 0.85               | 0.5                      | GV4L/LE02*      | LC1D09               | LC1D09         | LRD05                  | 0.63...1  |
| 2       | 0.37   | 1                  | 0.6                      | GV4L/LE02*      | LC1D09               | LC1D09         | LRD06                  | 1...1.7   |
| 3       | 0.55   | 1.5                | 0.9                      | GV4L/LE02*      | LC1D09               | LC1D09         | LRD06                  | 1...1.7   |
| 4       | 0.75   | 1.9                | 1.1                      | GV4L/LE02*      | LC1D09               | LC1D09         | LRD07                  | 1.6...2.5 |
| 5       | 1.1    | 2.7                | 1.6                      | GV4L/LE03*      | LC1D25               | LC1D09         | LRD08                  | 2.5...4   |
| 6       | 1.5    | 3.6                | 2.1                      | GV4L/LE07*      | LC1D32+GV1L3         | LC1D09         | LRD08                  | 2.5...4   |
| 7       | 2.2    | 4.9                | 2.8                      | GV4L/LE07*      | LC1D32+GV1L3         | LC1D09         | LRD10                  | 4...6     |
| 8       | 3      | 6.5                | 3.8                      | GV4L/LE07*      | LC1D40A              | LC1D09         | LRD12                  | 5.5...8   |
| 9       | 4      | 8.5                | 4.9                      | GV4L/LE12*      | LC1D65A              | LC1D09         | LRD14                  | 7...10    |
| 10      | 5.5    | 11.5               | 6.6                      | GV4L/LE12*      | LC1D65A              | LC1D09         | LRD313                 | 9...13    |
| 11      | 7.5    | 15.5               | 8.9                      | GV4L/LE25*      | LC1D65A              | LC1D09         | LRD318                 | 12...18   |
| 12      | 9      | 18.1               | 10.5                     | GV4L/LE25*      | LC1D65A              | LC1D09         | LRD325                 | 16...24   |
| 13      | 11     | 22                 | 12.7                     | GV4L/LE25*      | LC1D65A              | LC1D09         | LRD325                 | 16...24   |
| 14      | 15     | 29                 | 16.7                     | GV4L/LE50*      | LC1D65A              | LC1D18         | LRD332                 | 23...32   |
| 15      | 18.5   | 35                 | 20.2                     | GV4L/LE50*      | LC1D65A              | LC1D18         | LRD340                 | 30...40   |
| 16      | 22     | 41                 | 23.7                     | GV4L/LE50*      | LC1D65A              | LC1D18         | LRD350                 | 37...50   |
| 17      | 30     | 55                 | 31.8                     | GV4L/LE80*      | LC1D65A              | LC1D25         | LRD365                 | 48...65   |
| 18      | 37     | 66                 | 38.1                     | GV4L/LE80*(1)   | LC1D80A              | LC1D32         | LRD3357                | 37..50    |

\* - Reference to be completed by replacing the \* with the breaking performance code as per table given below:

## Performance I<sub>q</sub> (kA) at 415V

| Circuit breaker | Breaking performance code |    |     |
|-----------------|---------------------------|----|-----|
|                 | B                         | N  | S   |
| GV4L/LE02-12    | -                         | 50 | 100 |
| GV4L/LE25-115   | 25                        | 50 | 100 |

# Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

Type 2 co-ordination chart for Direct-On-Line starter with circuit breaker and overload protection built into the circuit breaker

Reliable  
switching for  
IE2/IE3/IE4  
motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

| 45 to 250 kW at 400/415V: type 2 coordination (with ref. GV4, GV5, GV6 circuit breakers) |  |                |                      |                          |                        |                 |           |
|--|--|----------------|----------------------|--------------------------|------------------------|-----------------|-----------|
| Sr. No.  | Standard power ratings of 3-phase motors<br>50/60 Hz in category AC-3e |                |                      | Circuit breaker          |                        |                 | Contactor |
|  | 400/415V   |                |                      | Reference <sup>(1)</sup> | I <sub>r</sub> Setting | I <sub>rm</sub> | Reference |
|  | P  | I <sub>e</sub> | I <sub>q</sub> (max) |                          |                        |                 |           |
|  | kW   | A              | kA                   | A                        | A                      |                 |           |
| 1  | 45   | 80             | 100                  | GV4P/GV4PE/GV4PEM115●    | 86                     | 1118            | LC1G115   |
| 2  | 55   | 97             | 100                  | GV4P115●                 | 100                    | 1300            | LC1G115   |
| 3  | 55   | 97             | 70                   | GV5P150●                 | 100                    | 1300            | LC1G115   |
| 4  | 75   | 132            | 70                   | GV5P150●                 | 140                    | 1820            | LC1G150   |
| 5  | 90   | 160            | 70                   | GV5P220●                 | 170                    | 2210            | LC1G185   |
| 6  | 110  | 195            | 70                   | GV5P220●                 | 200                    | 2600            | LC1G225   |
| 7  | 110  | 195            | 70                   | GV6P320●                 | 200                    | 2600            | LC1G265   |
| 8  | 132  | 230            | 70                   | GV6P320●                 | 240                    | 3120            | LC1G265   |
| 9  | 160  | 280            | 70                   | GV6P320●                 | 300                    | 3900            | LC1G330   |
| 10   | 200  | 350            | 70                   | GV6P500●                 | 380                    | 4940            | LC1G400   |
| 11   | 220  | 380            | 70                   | GV6P500●                 | 400                    | 5200            | LC1G500   |
| 12   | 250  | 430            | 70                   | GV6P500●                 | 440                    | 5720            | LC1G500   |

(1) Reference to be completed by replacing the ● with the breaking performance code:

## Breaking performance I<sub>q</sub> (kA)

| Code     | GV4P/GV4PE/GV4PEM115● |    |     | GV5P150●/ 220● GV6P320●/ 500● |    |
|----------|-----------------------|----|-----|-------------------------------|----|
|          | B                     | N  | S   | F                             | H  |
| 400/415V | 25                    | 50 | 100 | 36                            | 70 |

# Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

Type 2 co-ordination chart for Direct-On-Line starter with circuit breaker and separate relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

| 45 to 335 kW at 400/415V: type 2 coordination (with ref GV4, or NSX circuit breakers) |   |                     |                            |                           |                 |           |           |            |
|---|---|---------------------|----------------------------|---------------------------|-----------------|-----------|-----------|------------|
| Sr. No.   | Standard power ratings of 3-phase motors 50/60 Hz in category AC-3e |                     |                            | Circuit breaker           |                 | Contactor | Contactor |            |
|   | 400/415V  |                     |                            | Reference <sup>(1)</sup>  | I <sub>rm</sub> | Reference | Reference | Ir Setting |
|   | P<br>kW   | I <sub>e</sub><br>A | I <sub>q</sub> (max)<br>kA |                           |                 |           |           |            |
| 1   | 45  | 80                  | 100                        | GV4L/GV4LE115●            | 1265            | LC1G115   | LR9G115   | 80         |
| 2   | 55  | 97                  | 100                        | GV4L/GV4LE115●            | 1100            | LC1G115   | LR9G225   | 80         |
| 3   | 45  | 80                  | 130                        | NSX100● + MA              | 1265            | LC1G115   | LR9G115   | 97         |
| 4   | 55  | 97                  | 130                        | NSX160● + MA              | 1500            | LC1G115   | LR9G225   | 97         |
| 5   | 75  | 132                 | 130                        | NSX160● + MA              | 1800            | LC1G150   | LR9G225   | 132        |
| 6   | 90  | 160                 | 130                        | NSX250● + MA              | 2640            | LC1G185   | LR9G225   | 160        |
| 7   | 110   | 195                 | 130                        | NSX250● + MA              | 2640            | LC1G225   | LR9G225   | 195        |
| 8   | 110   | 195                 | 130                        | NSX400● + Micrologic 1.3M | 3520            | LC1G265   | LR9G500   | 195        |
| 9   | 132   | 230                 | 130                        | NSX400● + Micrologic 1.3M | 3520            | LC1G265   | LR9G500   | 230        |
| 10  | 160   | 280                 | 130                        | NSX400● + Micrologic 1.3M | 3840            | LC1G330   | LR9G500   | 280        |
| 11  | 200   | 350                 | 130                        | NSX630● + Micrologic 1.3M | 5500            | LC1G400   | LR9G500   | 350        |
| 12  | 220   | 380                 | 130                        | NSX630● + Micrologic 1.3M | 5500            | LC1G500   | LR9G500   | 380        |
| 13  | 250   | 430                 | 130                        | NSX630● + Micrologic 1.3M | 6000            | LC1G500   | LR9G500   | 430        |
| 14  | 300   | 460                 | 130                        | NS800● + Micrologic 5     | 8800            | LC1G630   | LR9G630   | 460        |
| 15  | 335   | 575                 | 130                        | NS800● + Micrologic 5     | 9600            | LC1G630   | LR9G630   | 575        |

(1) Reference to be completed by replacing the ● with the breaking performance code:

### Breaking performance I<sub>q</sub> (kA)

| Code     | GV4L115●/ GV4LE115● |    |     | NSX100●/ NSX160●/ NSX250●/ NSX400●/ NSX630● |    |    |     | NS800● |    |     |
|----------|---------------------|----|-----|---|----|----|-----|--------|----|-----|
|          | B                   | N  | S   | F   | N  | H  | R   | N      | H  | L   |
| 400/415V | 25                  | 50 | 100 | 36  | 50 | 70 | 200 | 50     | 70 | 150 |

### Magnetic circuit breakers + Contactor + TeSys T + current transformers

| 90 to 250 kW at 400/415V: type 2 coordination |   |                     |                            |                           |                        |           |                                     |            |                      |
|---|---|---------------------|----------------------------|---------------------------|------------------------|-----------|-------------------------------------|------------|----------------------|
| Sr. No.                                       | Standard power ratings of 3-phase motors 50/60 Hz in category AC-3e |                     |                            | Circuit breaker           |                        | Contactor | TeSys T Motor management controller |            | Current transformers |
|   | 400/415V  |                     |                            | Reference <sup>(1)</sup>  | Rating I <sub>rm</sub> | Reference | Reference <sup>(2)</sup>            | Ir Setting | Reference            |
|   | P<br>kW   | I <sub>e</sub><br>A | I <sub>q</sub> (max)<br>kA |                           |                        |           |                                     |            |                      |
| 1   | 90  | 160                 | 130                        | NSX250● + MA              | 2200                   | LC1G185   | LTMR08●●                            | 160        | LT6CT2001            |
| 2   | 110   | 195                 | 130                        | NSX250● + MA              | 2640                   | LC1G225   | LTMR08●●                            | 195        | LT6CT2001            |
| 3   | 132   | 230                 | 130                        | NSX400● + Micrologic 1.3M | 3200                   | LC1G265   | LTMR08●●                            | 230        | LT6CT4001            |
| 4   | 150   | 280                 | 130                        | NSX400● + Micrologic 1.3M | 3840                   | LC1G330   | LTMR08●●                            | 280        | LT6CT4001            |
| 5   | 200   | 350                 | 130                        | NSX630● + Micrologic 1.3M | 5000                   | LC1G400   | LTMR08●●                            | 350        | LT6CT4001            |
| 6   | 220   | 388                 | 130                        | NSX630● + Micrologic 1.3M | 5500                   | LC1G500   | LTMR08●●                            | 388        | LT6CT4001            |
| 7   | 250   | 430                 | 130                        | NSX630● + Micrologic 1.3M | 6000                   | LC1G500   | LTMR08●●                            | 430        | LT6CT8001            |

(1) Reference to be completed by replacing the ● with the breaking performance code:

### Breaking performance I<sub>q</sub> (kA)

| Code     | NSX250●/ NSX400●/ NSX630● |    |    |     |
|----------|---------------------------|----|----|-----|
|          | F                         | N  | H  | R   |
| 400/415V | 36                        | 50 | 70 | 200 |

# Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

Type 2 co-ordination chart for Star Delta starter with circuit breaker and overload protection built into circuit breaker

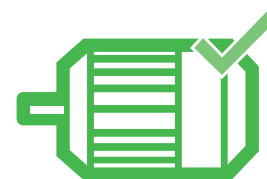
Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA / 70kA as per table

Contactor: **Maximum operating rate:** 30 starts/hour - **Maximum starting time:** 30 seconds.

The coordination table is for normal starting conditions (Class 10e/ 20e). For other heavy starting applications with long start times, please contact technical support.

RE17RMMWS timer to be used for Star-Delta starter application.

## 90 to 250 kW at 400/415V: type 2 coordination

| Sr. No. | Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 |      |             | Circuit breaker          |            |      | Contactor Line/ Delta | Contactor Star |
|---------|--|------|-------------|--------------------------|------------|------|-----------------------|----------------|
|         | 400/415V   |      |             | Reference <sup>(1)</sup> | Ir Setting | Irm  | Reference             |                |
|         | P kW   | Ie A | Iq (max) kA |                          |            |      |                       |                |
| 1       | 90   | 160  | 70          | GV5P220●                 | 170        | 1360 | LC1G115               | LC1D65         |
| 2       | 110  | 195  | 70          | GV5P220●                 | 200        | 1600 | LC1G150               | LC1D80         |
| 3       | 110  | 195  | 70          | GV6P320●                 | 200        | 1600 | LC1G150               | LC1D80         |
| 4       | 132  | 230  | 70          | GV6P320●                 | 240        | 1920 | LC1G150               | LC1D95         |
| 5       | 160  | 280  | 70          | GV6P320●                 | 300        | 2400 | LC1G185               | LC1G115        |
| 6       | 200  | 350  | 70          | GV6P500●                 | 380        | 3040 | LC1G225               | LC1G115        |
| 7       | 220  | 380  | 70          | GV6P500●                 | 400        | 3200 | LC1G265               | LC1G150        |
| 8       | 250  | 430  | 70          | GV6P500●                 | 440        | 3520 | LC1G265               | LC1G150        |

(1) Reference to be completed by replacing the ● with the breaking performance code:

### Breaking performance Iq (kA)

| Code     | GV5P220● GV6P320●/GV6P500● |    |
|----------|----------------------------|----|
|          | F                          | H  |
| 400/415V | 36                         | 70 |

## 90 to 450 kW at 400/415V: type 2 coordination

| Sr. No. | Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 |      |             | Circuit breaker           |            |      | Contactor Line/ Delta | Contactor Star |
|---------|--|------|-------------|---------------------------|------------|------|-----------------------|----------------|
|         | 400/415V   |      |             | Reference <sup>(1)</sup>  | Ir Setting | Irm  | Reference             |                |
|         | P kW   | Ie A | Iq (max) kA |                           |            |      |                       |                |
| 1       | 90   | 160  | 130         | NSX250● + Micrologic 2.2M | 170        | 1360 | LC1G115               | LC1D65         |
| 2       | 110  | 195  | 130         | NSX250● + Micrologic 2.2M | 200        | 1600 | LC1G150               | LC1D80         |
| 3       | 110  | 195  | 130         | NSX400● + Micrologic 2.3M | 200        | 1600 | LC1G150               | LC1D80         |
| 4       | 132  | 230  | 130         | NSX400● + Micrologic 2.3M | 240        | 1920 | LC1G150               | LC1D95         |
| 5       | 160  | 280  | 130         | NSX400● + Micrologic 2.3M | 300        | 2400 | LC1G185               | LC1G115        |
| 6       | 200  | 350  | 130         | NSX630● + Micrologic 2.3M | 380        | 3040 | LC1G225               | LC1G115        |
| 7       | 220  | 380  | 130         | NSX630● + Micrologic 2.3M | 400        | 3200 | LC1G265               | LC1G150        |
| 8       | 250  | 430  | 130         | NSX630● + Micrologic 2.3M | 440        | 3520 | LC1G265               | LC1G150        |
| 9       | 300  | 460  | 130         | NS800● + Micrologic 5     | 480        | 3840 | LC1G330               | LC1G185        |
| 10      | 335  | 575  | 130         | NS800● + Micrologic 5     | 640        | 5120 | LC1G400               | LC1G225        |
| 11      | 355  | 610  | 130         | NS800● + Micrologic 5     | 640        | 5120 | LC1G400               | LC1G225        |
| 12      | 400  | 690  | 130         | NS800● + Micrologic 5     | 720        | 5760 | LC1G500               | LC1G265        |
| 13      | 450  | 770  | 130         | NS1000● + Micrologic 5    | 784        | 6272 | LC1G500               | LC1G330        |

(1) Reference to be completed by replacing the ● with the breaking performance code:

### Breaking performance Iq (kA)

| Code     | NSX250●/ NSX400●/ NSX630● |    |    |     | NS800●/ NS1000● |    |     |
|----------|---------------------------|----|----|-----|-----------------|----|-----|
|          | F                         | N  | H  | R   | N               | H  | L   |
| 400/415V | 20                        | 50 | 70 | 200 | 50              | 70 | 150 |



# Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

Type 2 Co-ordination chart for Direct-On-Line starter with circuit breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Contactor: **Maximum operating rate:** 30 starts/hour - **Maximum starting time:** 30 seconds.  
The coordination table is for normal starting conditions (Class 10e/ 20e). For other heavy starting applications with long start times, please contact technical support.  
RE17RMMWS timer to be used for Star-Delta starter application.

## 90 to 450 kW at 400/415V: type 2 coordination

| Sr. No. | Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 |                |                      | Circuit breaker           |                 | Contactor Line/ Delta | Contactor Star | Thermal overload relay |               |
|---------|--|----------------|----------------------|---------------------------|-----------------|-----------------------|----------------|------------------------|---------------|
|         | 400/415V   |                |                      | Reference <sup>(1)</sup>  | I <sub>rm</sub> | Reference             |                | Reference              | Setting range |
|         | P  | I <sub>e</sub> | I <sub>q</sub> (max) |                           |                 |                       |                |                        |               |
|         | kW   | A              | kA                   | A                         | A               |                       |                |                        |               |
| 1       | 90   | 160            | 130                  | NSX250● + MA              | 1980            | LC1G115               | LC1D65         | LR9G115                | 92            |
| 2       | 110  | 195            | 130                  | NSX250● + MA              | 1980            | LC1G150               | LC1D80         | LR9G225                | 113           |
| 3       | 110  | 195            | 130                  | NSX400● + Micrologic 1.3M | 1920            | LC1G150               | LC1D80         | LR9G225                | 113           |
| 4       | 132  | 230            | 130                  | NSX400● + Micrologic 1.3M | 1920            | LC1G150               | LC1D80         | LR9G225                | 133           |
| 5       | 160  | 280            | 130                  | NSX400● + Micrologic 1.3M | 2560            | LC1G185               | LC1G115        | LR9G225                | 162           |
| 6       | 200  | 350            | 130                  | NSX630● + Micrologic 1.3M | 3000            | LC1G225               | LC1G150        | LR9G225                | 202           |
| 7       | 220  | 380            | 130                  | NSX630● + Micrologic 1.3M | 3500            | LC1G265               | LC1G150        | LR9G500                | 219           |
| 8       | 250  | 430            | 130                  | NSX630● + Micrologic 1.3M | 3500            | LC1G265               | LC1G150        | LR9G500                | 248           |
| 9       | 300  | 460            | 130                  | NS800● + Micrologic 5     | 4000            | LC1G330               | LC1G185        | LR9G500                | 266           |
| 10      | 335  | 575            | 130                  | NS800● + Micrologic 5     | 4800            | LC1G400               | LC1G225        | LR9G500                | 332           |
| 11      | 355  | 610            | 130                  | NS800● + Micrologic 5     | 5600            | LC1G400               | LC1G225        | LR9G500                | 352           |
| 12      | 400  | 627            | 130                  | NS800● + Micrologic 5     | 5600            | LC1G400               | LC1G225        | LR9G500                | 362           |
| 13      | 450  | 695            | 130                  | NS800● + Micrologic 5     | 6400            | LC1G500               | LC1G265        | LR9G500                | 401           |

(1) Reference to be completed by replacing the ● with the breaking performance code:

### Breaking performance I<sub>q</sub> (kA)

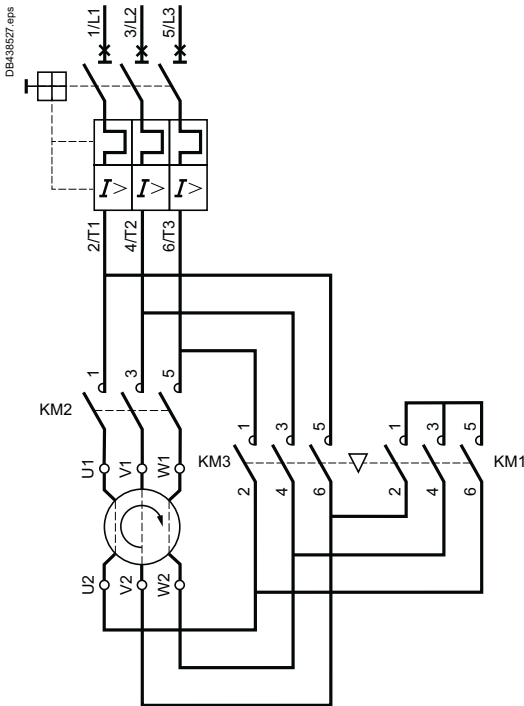
| Code     | NSX250●/ NSX400●/ NSX630● |    |    |     | NS800● |    |     |
|----------|---------------------------|----|----|-----|--------|----|-----|
|          | F                         | N  | H  | R   | N      | H  | L   |
| 400/415V | 36                        | 50 | 70 | 200 | 50     | 70 | 150 |

# TeSys Giga series - Device selection

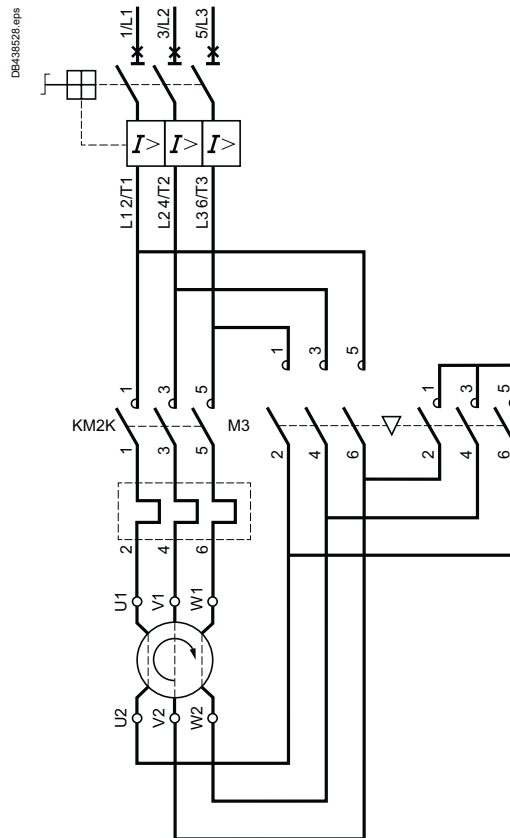
Coordination tables  
 Star-Delta motor starter - Common circuit diagrams

## Star-Delta motor 'Power' circuit diagram

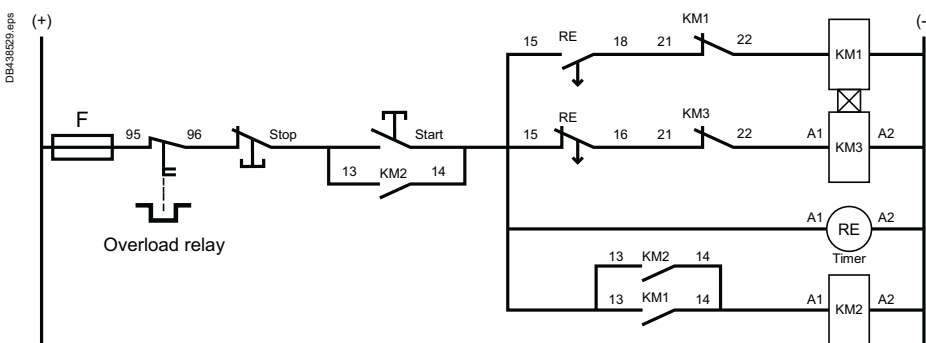
Thermal magnetic circuit breaker + contactors



Magnetic circuit breaker + contactors + overload relay



## Star-Delta Motor 'Control' circuit diagram



Recommended timing relay (RE): Zelio Time ref. RE17RMMW (12...240 V AC/DC 50/60 Hz – 8 A AC/DC contacts)

# Type 2 Recommended Selection Charts for Motor Feeder with EasyPact

## Notes:

- Selection is for Normal Starting time (Relay Trip classes 10A/10) applications.
- Overload relay type LRE and EOCR both can be used. However, while using EOCR, setting of Trip class in EOCR should be up to 10/10A only.
- For high Inertia loads like Blowers, Pumps & ID/FD fans etc., if taking longer starting time, kindly consult us to derive the selection. However, this selection can still be used if these applications accept relay trip class 10A/10.
- Service factor of the motors considered is 1
- Selection is directly valid for Switching & Protection of Motors which comply to IS: 12615 efficiency class and can also be used for other non-standard motors whose starting current is less than or equal to starting currents as described in IS: 12615
- The rated motor current used for derivation is Full Load Current (FLC) for 3-phase, 4 Pole Squirrel Cage Induction Motors as indicated in IS: 12615. Selection can also be used for 2 Pole, 6 Pole and 8 Pole Motors based on rated motor current.
- Higher ratings of Contactors can be used in place of recommended combinations.
- These charts are derived basis Type-2 Methodology described in IEC 60947-4, Clause B.4.5.
- For Star-Delta Motor feeders, In-side delta wiring is considered.
- For Star Delta Motor feeders, proper Change-over time and Pause time must be ensured. Selected combination of Motor feeders components in this chart are valid only and only when used along with timer MSMI06 and equivalent timer from Schneider.
- This selection is valid only for suggested Product combinations. Change in any of the recommended combination including timer will invalidate the recommendations and Human safety, Installation safety and product safety requirements may not be fulfilled.
- In case of motor feeders with Circuit breaker, ensure proper Instantaneous setting as suggested in respective charts, if any.
- Max. Operating rate per Hour for contactors & Circuit breaker for Motor protection shall not be exceeded.
- Product evolution and improvement is a Continuous process at Schneider Electric. Hence, recommendations and guidelines are subject to change. Contact Schneider Electric for latest guidelines.

Contact our nearest sales office for application specific Custom / optimised selection for your motor feeders having motors with service factor more than 1, longer starting time applications, Closed transition star delta starters, other than 400/415V perational voltages, starting currents / inrush currents lower than specified in IS 12615

# Selection Chart

Direct-on-Line starters with circuit-breaker and overload protection built into the circuit-breaker  
Type GZ1E

Reliable  
switching for  
IE2/IE3 motors



IE2



IE3

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

| Sr. No. | 3Φ Motors |      |                             | I <sub>q</sub> Current (kA) | Contactor | Overload Relay              |           | Circuit Breaker |             |
|---------|-----------|------|-----------------------------|-----------------------------|-----------|-----------------------------|-----------|-----------------|-------------|
|         | kW        | HP   | FLC - I <sub>n</sub> (Amps) |                             |           | Type                        | Range (A) | Type            | Rating (A)  |
| 1       | 0.06      | x    | 0.19                        | 50                          | LC1E09    | In-built in Circuit Breaker |           | GZ1E02          | 0.16 - 0.25 |
| 2       | 0.09      | x    | 0.28                        | 50                          | LC1E09    |                             |           | GZ1E03          | 0.25 - 0.4  |
| 3       | 0.12      | 0.16 | 0.51                        | 50                          | LC1E09    |                             |           | GZ1E04          | 0.4 - 0.63  |
| 4       | 0.18      | 0.25 | 0.6                         | 50                          | LC1E09    |                             |           | GZ1E04          | 0.4 - 0.63  |
| 5       | 0.25      | 0.33 | 0.8                         | 50                          | LC1E09    |                             |           | GZ1E05          | 0.63 - 1    |
| 6       | 0.37      | 0.5  | 1.4                         | 50                          | LC1E09    |                             |           | GZ1E06          | 1 - 1.6     |
| 7       | 0.55      | 0.75 | 1.7                         | 50                          | LC1E09    |                             |           | GZ1E07          | 1.6 - 2.5   |
| 8       | 0.75      | 1    | 2.2                         | 50                          | LC1E09    |                             |           | GZ1E07          | 1.6 - 2.5   |
| 9       | 1.1       | 1.5  | 2.9                         | 50                          | LC1E09    |                             |           | GZ1E08          | 2.5 - 4     |
| 10      | 1.3       | 1.75 | 3                           | 50                          | LC1E09    |                             |           | GZ1E08          | 2.5 - 4     |
| 11      | 1.5       | 2    | 3.8                         | 50                          | LC1E09    |                             |           | GZ1E08          | 2.5 - 4     |
| 12      | 2.2       | 3    | 5.1                         | 50                          | LC1E18    |                             |           | GZ1E10          | 4 - 6.3     |
| 13      | 3         | 4    | 6                           | 50                          | LC1E18    |                             |           | GZ1E14          | 6 - 10      |
| 14      | 3.7       | 5    | 8.1                         | 50                          | LC1E25    |                             |           | GZ1E14          | 6 - 10      |
| 15      | 4         | 5.5  | 8.5                         | 50                          | LC1E25    |                             |           | GZ1E14          | 6 - 10      |
| 16      | 5.5       | 7.5  | 11.4                        | 50*                         | LC1E32    |                             |           | GZ1E16          | 9 - 14      |
| 17      | 7.5       | 10   | 15.4                        | 50*                         | LC1E32    |                             |           | GZ1E20          | 13 - 18     |
| 18      | 9.3       | 12.5 | 17.3                        | 50*                         | LC1E40B   |                             |           | GZ1E21          | 17 - 23     |
| 19      | 11        | 15   | 22                          | 50*                         | LC1E40B   |                             |           | GZ1E22          | 20 - 25     |
| 20      | 13        | 17.5 | 24                          | 50*                         | LC1E50    |                             |           | GZ1E32          | 24 - 32     |
| 21      | 15        | 20   | 30                          | 50*                         | LC1E50    |                             |           | GZ1E32          | 24 - 32     |

\* 50kA With current Limiter type GV1L3, 10kA without current limiter

# Selection Chart

Direct-On-Line starters with circuit-breaker GZL1LE and separate thermal overload relay

Reliable switching for IE2/IE3 motors



Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
 Short Circuit Current  $I_q = 50kA$  upto 4kw and above 4kw with 50kA  
 With current Limiter type GV1L3, 10kA without current limiter

Type-2 Recommended Selection

| Sr. No. | P (kW) | $I_e$ (A) | Circuit Breaker | Contactor | Thermal Overload relay | Range (A)   |
|---------|--------|-----------|-----------------|-----------|------------------------|-------------|
| 1       | 0.09   | 0.4       | GZ1LE03         | LC1E09    | LRE03                  | 0.25...0.40 |
| 2       | 0.18   | 0.63      | GZ1LE04         | LC1E09    | LRE04                  | 0.4...0.63  |
| 3       | 0.25   | 1         | GZ1LE05         | LC1E09    | LRE05                  | 0.63...1    |
| 4       | 0.37   | 1.4       | GZ1LE06         | LC1E09    | LRE06                  | 1...1.6     |
| 5       | 0.75   | 2.2       | GZ1LE07         | LC1E09    | LRE07                  | 1.6...2.5   |
| 6       | 1.5    | 3.8       | GZ1LE08         | LC1E09    | LRE08                  | 2.5...4     |
| 7       | 2.2    | 5.1       | GZ1LE10         | LC1E18    | LRE10                  | 4...6       |
| 8       | 4      | 8.5       | GZ1LE14         | LC1E25    | LRE14                  | 7...10      |
| 9       | 5.5    | 11.4      | GZ1LE16         | LC1E32    | LRE16                  | 9...13      |
| 10      | 7.5    | 15.4      | GZ1LE20         | LC1E32    | LRE21                  | 12...18     |
| 11      | 9.3    | 17.3      | GZ1LE22         | LC1E40    | LRE22                  | 16...24     |
| 12      | 11     | 22        | GZ1LE22         | LC1E40    | LRE22                  | 16...24     |
| 13      | 15     | 30        | GZ1LE32         | LC1E50    | LRE32                  | 23...32     |

Star Delta starters with circuit-breaker GZL1LE and separate thermal overload relay

Type-2 Recommended Selection

| Sr. No. | P (kW) | $I_e$ (A) | $I_e/1,73$ (A) | Circuit Breaker | Main/Delta Contactor | Star Contactor | Thermal Overload Relay |             |
|---------|--------|-----------|----------------|-----------------|----------------------|----------------|------------------------|-------------|
| 1       | 0.09   | 0.4       | 0.2            | GZ1LE03         | LC1E09               | LC1E09         | LRE02                  | 0.16...0.25 |
| 2       | 0.18   | 0.63      | 0.4            | GZ1LE04         | LC1E09               | LC1E09         | LRE03                  | 0.25...0.40 |
| 3       | 0.25   | 1         | 0.6            | GZ1LE05         | LC1E09               | LC1E09         | LRE04                  | 0.4...0.63  |
| 4       | 0.37   | 1.4       | 0.8            | GZ1LE06         | LC1E09               | LC1E09         | LRE05                  | 0.63...1    |
| 5       | 0.75   | 2.2       | 1.3            | GZ1LE07         | LC1E09               | LC1E09         | LRE06                  | 1...1.6     |
| 6       | 1.5    | 3.8       | 2.2            | GZ1LE08         | LC1E09               | LC1E09         | LRE07                  | 1.6...2.5   |
| 7       | 2.2    | 5.1       | 2.9            | GZ1LE10         | LC1E18               | LC1E09         | LRE08                  | 2.5...4     |
| 8       | 4      | 8.5       | 4.9            | GZ1LE14         | LC1E25               | LC1E09         | LRE10                  | 4...6       |
| 9       | 5.5    | 11.4      | 6.6            | GZ1LE16         | LC1E32               | LC1E09         | LRE12                  | 5.5...8     |
| 10      | 7.5    | 15.4      | 8.9            | GZ1LE20         | LC1E32               | LC1E09         | LRE14                  | 7...10      |
| 11      | 9.3    | 17.3      | 10.0           | GZ1LE22         | LC1E40B              | LC1E18         | LRE16                  | 9...13      |
| 12      | 11     | 22        | 12.7           | GZ1LE22         | LC1E40B              | LC1E18         | LRE16                  | 9...13      |
| 13      | 15     | 30        | 17.3           | GZ1LE32         | LC1E50               | LC1E18         | LRE21                  | 12...18     |

# Selection Chart

Direct-on-Line starters with Fuses and overload protection by separate overload relay type LRE (thermal) or EOCR\*\* (up to Trip class 10/10A)

Reliable  
switching for  
IE2 motors



IE2

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

| Sr. No. | 3Φ Motors |      |                    | Contactor | Overload Relay |           | Nominal Back-up Fuse |             |           | SDF   |
|---------|-----------|------|--------------------|-----------|----------------|-----------|----------------------|-------------|-----------|-------|
|         | kW        | HP   | FLC - $I_n$ (Amps) |           | Type           | Range (A) | Fuse                 | Fuse Rating | Fuse Size |       |
| 1       | 0.12      | 0.16 | 0.51               | LC1E09    | LRE04          | 0.4-0.63  | 4NHG000B             | 4           | 000       | NX032 |
| 2       | 0.18      | 0.25 | 0.6                | LC1E09    | LRE04          | 0.4-0.63  | 4NHG000B             | 4           | 000       | NX032 |
| 3       | 0.25      | 0.33 | 0.8                | LC1E09    | LRE05          | 0.63-1    | 4NHG000B             | 4           | 000       | NX032 |
| 4       | 0.37      | 0.5  | 1.4                | LC1E09    | LRE06          | 1-1.6     | 4NHG000B             | 4           | 000       | NX032 |
| 5       | 0.55      | 0.75 | 1.7                | LC1E09    | LRE06          | 1-1.6     | 4NHG000B             | 4           | 000       | NX032 |
| 6       | 0.75      | 1    | 2.2                | LC1E09    | LRE07          | 1.6-2.5   | 6NHG000B             | 6           | 000       | NX032 |
| 7       | 1.1       | 1.5  | 2.9                | LC1E09    | LRE08          | 2.5-4     | 10NHG000B            | 10          | 000       | NX032 |
| 8       | 1.3       | 1.75 | 3                  | LC1E09    | LRE08          | 2.5-4     | 10NHG000B            | 10          | 000       | NX032 |
| 9       | 1.5       | 2    | 3.8                | LC1E09    | LRE08          | 2.5-4     | 10NHG000B            | 10          | 000       | NX032 |
| 10      | 2.2       | 3    | 5.1                | LC1E09    | LRE10          | 4-6       | 16NHG000B            | 16          | 000       | NX032 |
| 11      | 3         | 4    | 6                  | LC1E09    | LRE12          | 5.5-8     | 20NHG000B            | 20          | 000       | NX032 |
| 12      | 3.7       | 5    | 8.1                | LC1E09    | LRE14          | 7-10      | 20NHG000B            | 20          | 000       | NX032 |
| 13      | 4         | 5.5  | 8.5                | LC1E09    | LRE14          | 7-10      | 20NHG000B            | 20          | 000       | NX032 |
| 14      | 5.5       | 7.5  | 11.4               | LC1E12    | LRE16          | 9-13      | 25NHG000B            | 25          | 000       | NX032 |
| 15      | 7.5       | 10   | 15.4               | LC1E18    | LRE21          | 12-18     | 32NHG000B            | 32          | 000       | NX063 |
| 16      | 9.3       | 12.5 | 17.3               | LC1E25    | LRE22          | 16-24     | 50NHG000B            | 50          | 000       | NX063 |
| 17      | 11        | 15   | 22                 | LC1E25    | LRE22          | 16-24     | 50NHG000B            | 50          | 000       | NX063 |
| 18      | 13        | 17.5 | 24                 | LC1E32    | LRE32          | 23-32     | 50NHG000B            | 50          | 000       | NX063 |
| 19      | 15        | 20   | 30                 | LC1E32    | LRE32          | 23-32     | 63NHG000B            | 63          | 000       | NX063 |
| 20      | 18.5      | 25   | 36                 | LC1E40    | LRE355         | 30-40     | 80NHG000B            | 80          | 000       | NX080 |
| 21      | 22        | 30   | 43                 | LC1E50    | LRE357         | 37-50     | 80NHG000B            | 80          | 000       | NX080 |
| 22      | 30        | 40   | 56                 | LC1E65    | LRE359         | 48-65     | 100NHG000B           | 100         | 000       | NX100 |
| 23      | 37        | 50   | 69                 | LC1E80    | LRE363         | 63-80     | 125NHG00B            | 125         | 00        | NX125 |
| 24      | 45        | 60   | 84                 | LC1E95    | LRE365         | 80-104    | 160NHG00B            | 160         | 00        | NX160 |
| 25      | 55        | 75   | 99                 | LC1E120   | LRE482         | 84-135    | 160NHG00B            | 160         | 00        | NX160 |
| 26      | 75        | 100  | 134                | LC1E160   | LRE483*        | 124-198   | 250NHG1B             | 250         | 1         | NX250 |
| 27      | 80        | 110  | 139                | LC1E160   | LRE483*        | 124-198   | 250NHG1B             | 250         | 1         | NX250 |
| 28      | 90        | 120  | 164                | LC1E200   | LRE483         | 124-198   | 250NHG1B             | 250         | 1         | NX250 |
| 29      | 110       | 150  | 204                | LC1E250   | LRE484         | 146-234   | 250NHG1B             | 250         | 1         | NX250 |
| 30      | 125       | 170  | 234                | LC1E250   | LRE485         | 174-279   | 315NHG2B             | 315         | 2         | NX315 |
| 31      | 132       | 180  | 247                | LC1E250   | LRE485         | 174-279   | 315NHG2B             | 315         | 2         | NX315 |
| 32      | 160       | 215  | 288                | LC1E300   | LRE486         | 208-333   | 400NHG2B             | 400         | 2         | NX400 |
| 33      | 180       | 240  | 298                | LC1E300   | LRE486         | 208-333   | 400NHG2B             | 400         | 2         | NX400 |
| 34      | 200       | 270  | 348                | LC1E400   | LRE487         | 258-414   | 400NHG2B             | 400         | 2         | NX400 |
| 35      | 225       | 300  | 360                | LC1E400   | LRE487         | 258-414   | 500NHG3B             | 500         | 3         | NX630 |
| 36      | 250       | 335  | 435                | LC1E500   | LRE488         | 321-513   | 630NHG3B             | 630         | 3         | NX630 |
| 37      | 275       | 370  | 440                | LC1E500   | LRE488         | 321-513   | 630NHG3B             | 630         | 3         | NX630 |
| 38      | 315       | 425  | 548                | LC1E630   | LRE489         | 394-630   | 800NHG3B             | 800         | 3         | NA    |
| 39      | 335       | 452  | 580                | LC1E630   | LRE489         | 394-630   | 800NHG3B             | 800         | 3         | NA    |

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue.

\*\* Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOCR to be used with this selection charts.

# Selection Chart

Star Delta starters with Fuses and overload protection by separate overload relay type LRE (thermal) or EOCR\*\* (up to Trip class 10/10A)

Reliable switching for IE2 motors



IE2

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

| Sr. No. | 3Φ Motors |      |                    |       | Contactor |         |         | Overload Relay |           | Nominal Back-up Fuse |             |           | SDF   | Minimum Pause time (mSec) | Star-Delta Timer# |
|---------|-----------|------|--------------------|-------|-----------|---------|---------|----------------|-----------|----------------------|-------------|-----------|-------|---------------------------|-------------------|
|         | kW        | HP   | FLC - $I_n$ (Amps) |       | Main      | Delta   | Star    | Type           | Range (A) | Fuse type            | Fuse Rating | Fuse Size |       |                           |                   |
|         |           |      | Line               | Phase |           |         |         |                |           |                      |             |           |       |                           |                   |
| 1       | 0.75      | 1    | 2.2                | 1.3   | LC1E09    | LC1E09  | LC1E09  | LRE06          | 1-1.6     | 4NHG000B             | 4           | 000       | NX032 | 50                        | MSMI06            |
| 2       | 1.1       | 1.5  | 2.9                | 1.7   | LC1E09    | LC1E09  | LC1E09  | LRE07          | 1.6-2.5   | 4NHG000B             | 4           | 000       | NX032 | 50                        | MSMI06            |
| 3       | 1.3       | 1.75 | 3                  | 1.7   | LC1E09    | LC1E09  | LC1E09  | LRE07          | 1.6-2.5   | 4NHG000B             | 4           | 000       | NX032 | 50                        | MSMI06            |
| 4       | 1.5       | 2    | 3.8                | 2.2   | LC1E09    | LC1E09  | LC1E09  | LRE07          | 1.6-2.5   | 6NHG000B             | 6           | 000       | NX032 | 50                        | MSMI06            |
| 5       | 2.2       | 3    | 5.1                | 2.9   | LC1E09    | LC1E09  | LC1E09  | LRE08          | 2.5-4     | 10NHG000B            | 10          | 000       | NX032 | 50                        | MSMI06            |
| 6       | 3         | 4    | 6                  | 3.5   | LC1E09    | LC1E09  | LC1E09  | LRE08          | 2.5-4     | 10NHG000B            | 10          | 000       | NX032 | 50                        | MSMI06            |
| 7       | 3.7       | 5    | 8.1                | 4.7   | LC1E09    | LC1E09  | LC1E09  | LRE10          | 4-6       | 10NHG000B            | 10          | 000       | NX032 | 50                        | MSMI06            |
| 8       | 4         | 5.5  | 8.5                | 4.9   | LC1E09    | LC1E09  | LC1E09  | LRE10          | 4-6       | 16NHG000B            | 16          | 000       | NX032 | 50                        | MSMI06            |
| 9       | 5.5       | 7.5  | 11.4               | 6.6   | LC1E09    | LC1E09  | LC1E09  | LRE12          | 5.5-8     | 16NHG000B            | 16          | 000       | NX032 | 50                        | MSMI06            |
| 10      | 7.5       | 10   | 15.4               | 8.9   | LC1E09    | LC1E09  | LC1E09  | LRE14          | 7-10      | 20NHG000B            | 20          | 000       | NX032 | 50                        | MSMI06            |
| 11      | 9.3       | 12.5 | 17.3               | 10.0  | LC1E12    | LC1E12  | LC1E09  | LRE14          | 7-10      | 20NHG000B            | 20          | 000       | NX032 | 50                        | MSMI06            |
| 12      | 11        | 15   | 22                 | 12.7  | LC1E18    | LC1E18  | LC1E09  | LRE16          | 9-13      | 32NHG000B            | 32          | 000       | NX032 | 50                        | MSMI06            |
| 13      | 15        | 20   | 30                 | 17.3  | LC1E18    | LC1E18  | LC1E09  | LRE21          | 12-18     | 40NHG000B            | 40          | 000       | NX063 | 50                        | MSMI06            |
| 14      | 18.5      | 25   | 36                 | 20.8  | LC1E25    | LC1E25  | LC1E09  | LRE22          | 16-24     | 40NHG000B            | 40          | 000       | NX063 | 50                        | MSMI06            |
| 15      | 22        | 30   | 43                 | 24.8  | LC1E25    | LC1E25  | LC1E25  | LRE32          | 23-32     | 50NHG000B            | 50          | 000       | NX063 | 50                        | MSMI06            |
| 16      | 30        | 40   | 56                 | 32.3  | LC1E40    | LC1E40  | LC1E25  | LRE355         | 30-40     | 63NHG000B            | 63          | 000       | NX063 | 50                        | MSMI06            |
| 17      | 37        | 50   | 69                 | 39.8  | LC1E50    | LC1E50  | LC1E32  | LRE355         | 30-40     | 80NHG000B            | 80          | 000       | NX080 | 50                        | MSMI06            |
| 18      | 45        | 60   | 84                 | 48.5  | LC1E50    | LC1E50  | LC1E32  | LRE357         | 37-50     | 100NHG000B           | 100         | 00        | NX125 | 50                        | MSMI06            |
| 19      | 55        | 75   | 99                 | 57.2  | LC1E65    | LC1E65  | LC1E40  | LRE359         | 48-65     | 125NHG000B           | 125         | 00        | NX125 | 50                        | MSMI06            |
| 20      | 75        | 100  | 134                | 77.4  | LC1E80    | LC1E80  | LC1E65  | LRE363         | 63-80     | 160NHG000B           | 160         | 00        | NX160 | 50                        | MSMI06            |
| 21      | 80        | 110  | 139                | 80.3  | LC1E80    | LC1E80  | LC1E80  | LRE363         | 63-80     | 160NHG000B           | 160         | 00        | NX160 | 50                        | MSMI06            |
| 22      | 90        | 120  | 164                | 94.7  | LC1E95    | LC1E95  | LC1E80  | LRE365         | 80-104    | 200NHG1B             | 200         | 1         | NX200 | 50                        | MSMI06            |
| 23      | 110       | 150  | 204                | 117.8 | LC1E120   | LC1E120 | LC1E95  | LRE482         | 84-135    | 250NHG1B             | 250         | 1         | NX250 | 50                        | MSMI06            |
| 24      | 125       | 170  | 234                | 135.1 | LC1E160   | LC1E160 | LC1E120 | LRE483*        | 124-198   | 250NHG1B             | 250         | 1         | NX250 | 50                        | MSMI06            |
| 25      | 132       | 180  | 247                | 142.6 | LC1E160   | LC1E160 | LC1E120 | LRE483*        | 124-198   | 250NHG1B             | 250         | 1         | NX250 | 50                        | MSMI06            |
| 26      | 150       | 200  | 248                | 143.2 | LC1E160   | LC1E160 | LC1E120 | LRE483*        | 124-198   | 250NHG1B             | 250         | 1         | NX250 | 50                        | MSMI06            |
| 27      | 160       | 215  | 288                | 166.3 | LC1E200   | LC1E200 | LC1E160 | LRE483         | 124-198   | 315NHG2B             | 300         | 2         | NX315 | 50                        | MSMI06            |
| 28      | 180       | 240  | 298                | 172.1 | LC1E200   | LC1E200 | LC1E160 | LRE483         | 124-198   | 315NHG2B             | 300         | 2         | NX315 | 50                        | MSMI06            |
| 29      | 200       | 270  | 348                | 200.9 | LC1E250   | LC1E250 | LC1E160 | LRE484         | 146-234   | 400NHG2B             | 400         | 2         | NX400 | 50                        | MSMI06            |
| 30      | 225       | 300  | 360                | 207.9 | LC1E250   | LC1E250 | LC1E160 | LRE484         | 146-234   | 400NHG2B             | 400         | 2         | NX400 | 50                        | MSMI06            |
| 31      | 250       | 335  | 435                | 251.2 | LC1E300   | LC1E300 | LC1E200 | LRE485         | 174-279   | 450NHG3B             | 450         | 3         | NX630 | 50                        | MSMI06            |
| 32      | 275       | 370  | 440                | 254.0 | LC1E300   | LC1E300 | LC1E200 | LRE485         | 174-279   | 450NHG3B             | 450         | 3         | NX630 | 50                        | MSMI06            |
| 33      | 315       | 425  | 548                | 316.4 | LC1E400   | LC1E400 | LC1E250 | LRE486         | 208-333   | 630NHG3B             | 630         | 3         | NX630 | 50                        | MSMI06            |
| 34      | 335       | 452  | 580                | 334.9 | LC1E400   | LC1E400 | LC1E250 | LRE487         | 258-414   | 630NHG3B             | 630         | 3         | NX630 | 50                        | MSMI06            |
| 35      | 355       | 475  | 618                | 356.8 | LC1E400   | LC1E400 | LC1E250 | LRE487         | 258-414   | 630NHG3B             | 630         | 3         | NX630 | 50                        | MSMI06            |
| 36      | 375       | 502  | 653                | 377.0 | LC1E400   | LC1E400 | LC1E250 | LRE487         | 258-414   | 800NHG3B             | 800         | 3         | NA    | 50                        | MSMI06            |
| 37      | 400       | 535  | 674                | 389.1 | LC1E500   | LC1E500 | LC1E300 | LRE487         | 258-414   | 800NHG3B             | 800         | 3         | NA    | 200                       | MSMI06            |

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue. Use alternate suggested for direct mounting.

\*\*Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOCR to be used with this selection charts.

# For guaranteed performance, Motor feeders built using this chart must make use of MSMI06 or equivalent Schneider Electric make timer only.

# Selection Chart

Direct-on-Line starters with circuit-breaker type CVS and overload protection by separate overload relay type LRE (thermal) or EOCR\*\* (up to Trip class 10/10A)

Reliable  
switching for  
IE2/IE3 motors



IE2



IE3

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

| Sr. No. | 3Φ Motors |      |                    | Contactor | Overload Relay    |                  | Circuit Breaker |                  |                        |                              |
|---------|-----------|------|--------------------|-----------|-------------------|------------------|-----------------|------------------|------------------------|------------------------------|
|         | kW        | HP   | FLC - $I_n$ (Amps) |           | Type              | Range (A)        | Type            | Trip Unit Rating | Magnetic Setting Range | Setting on Trip Unit in Amps |
| 1       | 0.37      | 0.5  | 1.4                | LC1E09    | LRE06             | 1-1.6            | CVS100-MA       | 2.5              | 6-14                   | 15                           |
| 2       | 0.55      | 0.75 | 1.7                | LC1E09    | LRE07             | 1.6-2.5          | CVS100-MA       | 2.5              | 6-14                   | 17.5                         |
| 3       | 0.75      | 1    | 2.2                | LC1E09    | LRE07             | 1.6-2.5          | CVS100-MA       | 2.5              | 6-14                   | 22.5                         |
| 4       | 1.1       | 1.5  | 2.9                | LC1E09    | LRE08             | 2.5-4            | CVS100-MA       | 6.3              | 6-14                   | 31.5                         |
| 5       | 1.3       | 1.75 | 3                  | LC1E09    | LRE08             | 2.5-4            | CVS100-MA       | 6.3              | 6-14                   | 31.5                         |
| 6       | 1.5       | 2    | 3.8                | LC1E09    | LRE08             | 2.5-4            | CVS100-MA       | 6.3              | 6-14                   | 37.8                         |
| 7       | 2.2       | 3    | 5.1                | LC1E18    | LRE10             | 4-6              | CVS100-MA       | 6.3              | 6-14                   | 63                           |
| 8       | 3         | 4    | 6                  | LC1E18    | LRE10             | 4-6              | CVS100-MA       | 6.3              | 6-14                   | 69.3                         |
| 9       | 3.7       | 5    | 8.1                | LC1E25    | LRE14             | 7-10             | CVS100-MA       | 12.5             | 6-14                   | 100                          |
| 10      | 4         | 5.5  | 8.5                | LC1E25    | LRE14             | 7-10             | CVS100-MA       | 12.5             | 6-14                   | 100                          |
| 11      | 5.5       | 7.5  | 11.4               | LC1E32    | LRE16             | 9-13             | CVS100-MA       | 12.5             | 6-14                   | 137.5                        |
| 12      | 7.5       | 10   | 15.4               | LC1E32    | LRE21             | 12-18            | CVS100-MA       | 25               | 6-14                   | 175                          |
| 13      | 9.3       | 12.5 | 17.3               | LC1E32    | LRE21             | 12-18            | CVS100-MA       | 25               | 6-14                   | 200                          |
| 14      | 11        | 15   | 22                 | LC1E40B   | LRE22             | 16-24            | CVS100-MA       | 25               | 6-14                   | 275                          |
| 15      | 13        | 17.5 | 24                 | LC1E40B   | LRE22             | 16-24            | CVS100-MA       | 25               | 6-14                   | 300                          |
| 16      | 15        | 20   | 30                 | LC1E50    | LRE32* or LRE353  | 23-32            | CVS100-MA       | 50               | 6-14                   | 350                          |
| 17      | 18.5      | 25   | 36                 | LC1E65    | LRE35* or LRE355  | 30-38* 30-40     | CVS100-MA       | 50               | 6-14                   | 450                          |
| 18      | 22        | 30   | 43                 | LC1E65    | LRE357            | 37-50            | CVS100-MA       | 50               | 6-14                   | 500                          |
| 19      | 30        | 40   | 56                 | LC1E80    | LRE359            | 48-65            | CVS100-MA       | 100              | 6-14                   | 700                          |
| 20      | 37        | 50   | 69                 | LC1E95    | LRE361            | 55-70            | CVS100-MA       | 100              | 6-14                   | 800                          |
| 21      | 45        | 60   | 84                 | LC1E120   | LRE482            | 84-135           | CVS100-MA       | 100              | 6-14                   | 1000                         |
| 22      | 55        | 75   | 99                 | LC1E160   | LRE482            | 84-135           | CVS100-MA       | 100              | 6-14                   | 1200                         |
| 23      | 75        | 100  | 134                | LC1E160   | LRE482            | 84-135           | CVS250-MA       | 150              | 9-14                   | 1650                         |
| 24      | 80        | 110  | 139                | LC1E160   | LRE483            | 124-198          | CVS250-MA       | 150              | 9-14                   | 1650                         |
| 25      | 90        | 120  | 164                | LC1E200   | LRE483            | 124-198          | CVS250-MA       | 220              | 9-14                   | 1980                         |
| 26      | 110       | 150  | 204                | LC1E250   | LRE484            | 146-234          | CVS250-MA       | 220              | 9-14                   | 2420                         |
| 27      | 125       | 170  | 234                | LC1E300   | LRE484            | 146-234          | CVS400-MA       | 320              | 6-13                   | 2880                         |
| 28      | 132       | 180  | 247                | LC1E300   | LRE485            | 174-279          | CVS400-MA       | 320              | 6-13                   | 3200                         |
| 29      | 160       | 215  | 288                | LC1E400   | LRE486            | 208-333          | CVS400-MA       | 320              | 6-13                   | 3520                         |
| 30      | 180       | 240  | 298                | LC1E400   | LRE486            | 208-333          | CVS400-MA       | 320              | 6-13                   | 3520                         |
| 31      | 200       | 270  | 348                | LC1E400   | LRE487            | 258-414          | CVS630-MA       | 500              | 6-13                   | 4500                         |
| 32      | 225       | 300  | 360                | LC1E500   | LRE487* or LRE488 | 258-414* 321-513 | CVS630-MA       | 500              | 6-13                   | 4500                         |
| 33      | 250       | 335  | 435                | LC1E500   | LRE488            | 321-513          | CVS630-MA       | 500              | 6-13                   | 5500                         |
| 34      | 275       | 370  | 440                | LC1E630   | LRE489            | 394-630          | CVS630-MA       | 500              | 6-13                   | 5500                         |
| 35      | 315       | 425  | 548                | LC1E630   | LRE489            | 394-630          | CVS630-ETS      | 630              | 2-10                   | 6300                         |
| 36      | 335       | 452  | 580                | LC1E630   | LRE489            | 394-630          | CVS630-ETS      | 630              | 2-10                   | 6300                         |
| 37      | 355       | 475  | 618                | LC1E630   | LRE489            | 394-630          | CVS800-TMD      | 800              | 3.5-10                 | 8000                         |

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue. Use alternate suggested for direct mounting.

\*\* Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOCR to be used with this selection charts.



# Selection Chart

Star Delta starters with circuit-breaker type CVS and overload protection by separate overload relay type LRE (thermal) or EOCR\*\* (up to Trip class 10/10A)

Reliable switching for IE2/IE3 motors



IE2



IE3

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

| Sr. No. | 3Φ Motors |     |                    |       | Contactor |         |         | Overload Relay   |           | Circuit Breaker |                  |                         |                              | Minimum Pause time (mSec) | Star-Delta Timer# |
|---------|-----------|-----|--------------------|-------|-----------|---------|---------|------------------|-----------|-----------------|------------------|-------------------------|------------------------------|---------------------------|-------------------|
|         | kW        | HP  | FLC - $I_n$ (Amps) |       |           |         |         | Type             | Range (A) | Type            | Trip Unit Rating | Mag-netic Setting Range | Setting on Trip Unit in Amps |                           |                   |
|         |           |     | Line               | Phase | Main      | Delta   | Star    |                  |           |                 |                  |                         |                              |                           |                   |
| 1       | 0.75      | 1   | 2.2                | 1.3   | LC1E09    | LC1E09  | LC1E09  | LRE06            | 1-1.6     | CVS100-MA       | 6.3              | 6-14                    | 37.8                         | 50                        | MSMI06            |
| 2       | 1.1       | 1.5 | 2.9                | 1.7   | LC1E09    | LC1E09  | LC1E09  | LRE07            | 1.6-2.5   | CVS100-MA       | 6.3              | 6-14                    | 50.4                         | 50                        | MSMI06            |
| 3       | 1.3       | 1.8 | 3                  | 1.7   | LC1E09    | LC1E09  | LC1E09  | LRE07            | 1.6-2.5   | CVS100-MA       | 6.3              | 6-14                    | 50.4                         | 50                        | MSMI06            |
| 4       | 1.5       | 2   | 3.8                | 2.2   | LC1E09    | LC1E09  | LC1E09  | LRE07            | 1.6-2.5   | CVS100-MA       | 6.3              | 6-14                    | 63                           | 50                        | MSMI06            |
| 5       | 2.2       | 3   | 5.1                | 2.9   | LC1E09    | LC1E09  | LC1E09  | LRE08            | 2.5-4     | CVS100-MA       | 12.5             | 6-14                    | 100                          | 50                        | MSMI06            |
| 6       | 3         | 4   | 6                  | 3.5   | LC1E09    | LC1E09  | LC1E09  | LRE08            | 2.5-4     | CVS100-MA       | 12.5             | 6-14                    | 112.5                        | 50                        | MSMI06            |
| 7       | 3.7       | 5   | 8.1                | 4.7   | LC1E09    | LC1E09  | LC1E09  | LRE10            | 4-6       | CVS100-MA       | 12.5             | 6-14                    | 150                          | 50                        | MSMI06            |
| 8       | 4         | 5.5 | 8.5                | 4.9   | LC1E09    | LC1E09  | LC1E09  | LRE10            | 4-6       | CVS100-MA       | 12.5             | 6-14                    | 162.5                        | 50                        | MSMI06            |
| 9       | 5.5       | 7.5 | 11.4               | 6.6   | LC1E12    | LC1E12  | LC1E09  | LRE12            | 5.5-8     | CVS100-MA       | 25               | 6-14                    | 225                          | 50                        | MSMI06            |
| 10      | 7.5       | 10  | 15.4               | 8.9   | LC1E18    | LC1E18  | LC1E09  | LRE14            | 7-10      | CVS100-MA       | 25               | 6-14                    | 300                          | 50                        | MSMI06            |
| 11      | 9.3       | 13  | 17.3               | 10    | LC1E25    | LC1E25  | LC1E12  | LRE14            | 7-10      | CVS100-MA       | 25               | 6-14                    | 325                          | 50                        | MSMI06            |
| 12      | 11        | 15  | 22                 | 12.7  | LC1E25    | LC1E25  | LC1E12  | LRE16            | 9-13      | CVS100-MA       | 50               | 6-14                    | 400                          | 50                        | MSMI06            |
| 13      | 13        | 18  | 24                 | 13.9  | LC1E32    | LC1E32  | LC1E12  | LRE21            | 12-18     | CVS100-MA       | 50               | 6-14                    | 450                          | 50                        | MSMI06            |
| 14      | 15        | 20  | 30                 | 17.3  | LC1E32    | LC1E32  | LC1E18  | LRE21            | 12-18     | CVS100-MA       | 50               | 6-14                    | 550                          | 50                        | MSMI06            |
| 15      | 18.5      | 25  | 36                 | 20.8  | LC1E40B   | LC1E40B | LC1E25  | LRE22            | 16-24     | CVS100-MA       | 50               | 6-14                    | 700                          | 50                        | MSMI06            |
| 16      | 22        | 30  | 43                 | 24.8  | LC1E40    | LC1E40  | LC1E32  | LRE32* or LRE353 | 23-32     | CVS100-MA       | 100              | 6-14                    | 800                          | 50                        | MSMI06            |
| 17      | 30        | 40  | 56                 | 32.3  | LC1E50    | LC1E50  | LC1E38  | LRE355           | 30-40     | CVS100-MA       | 100              | 6-14                    | 1100                         | 50                        | MSMI06            |
| 18      | 37        | 50  | 69                 | 39.8  | LC1E65    | LC1E65  | LC1E40  | LRE355           | 30-40     | CVS100-MA       | 100              | 6-14                    | 1300                         | 50                        | MSMI06            |
| 19      | 45        | 60  | 84                 | 48.5  | LC1E80    | LC1E80  | LC1E50  | LRE357           | 37-50     | CVS250-MA       | 150              | 9-14                    | 1650                         | 50                        | MSMI06            |
| 20      | 55        | 75  | 99                 | 57.2  | LC1E95    | LC1E95  | LC1E65  | LRE359           | 48-65     | CVS250-MA       | 150              | 9-14                    | 1950                         | 50                        | MSMI06            |
| 21      | 75        | 100 | 134                | 77.4  | LC1E120   | LC1E120 | LC1E80  | LRE481           | 62-99     | CVS250-MA       | 220              | 9-14                    | 2640                         | 50                        | MSMI06            |
| 22      | 80        | 110 | 139                | 80.3  | LC1E120   | LC1E120 | LC1E80  | LRE481           | 62-99     | CVS250-MA       | 220              | 9-14                    | 2640                         | 50                        | MSMI06            |
| 23      | 90        | 120 | 164                | 94.7  | LC1E160   | LC1E160 | LC1E95  | LRE482           | 84-135    | CVS250-MA       | 220              | 9-14                    | 3080                         | 50                        | MSMI06            |
| 24      | 110       | 150 | 204                | 117.8 | LC1E200   | LC1E200 | LC1E120 | LRE482*          | 84-135    | CVS400-MA       | 320              | 6-13                    | 3840                         | 50                        | MSMI06            |
| 25      | 125       | 170 | 234                | 135.1 | LC1E250   | LC1E250 | LC1E120 | LRE483*          | 124-198   | CVS630-MA       | 500              | 6-13                    | 4500                         | 50                        | MSMI06            |
| 26      | 132       | 180 | 247                | 142.6 | LC1E250   | LC1E250 | LC1E120 | LRE483*          | 124-198   | CVS630-MA       | 500              | 6-13                    | 5000                         | 50                        | MSMI06            |
| 27      | 150       | 200 | 248                | 143.2 | LC1E250   | LC1E250 | LC1E120 | LRE483*          | 124-198   | CVS630-MA       | 500              | 6-13                    | 5000                         | 50                        | MSMI06            |
| 28      | 160       | 215 | 288                | 166.3 | LC1E300   | LC1E300 | LC1E160 | LRE483*          | 124-198   | CVS630-MA       | 500              | 6-13                    | 5500                         | 50                        | MSMI06            |
| 29      | 180       | 240 | 298                | 172.1 | LC1E300   | LC1E300 | LC1E160 | LRE483*          | 124-198   | CVS630-MA       | 500              | 6-13                    | 6000                         | 50                        | MSMI06            |
| 30      | 200       | 270 | 348                | 200.9 | LC1E400   | LC1E400 | LC1E200 | LRE484           | 146-234   | CVS630-MA       | 500              | 6-13                    | 6500                         | 50                        | MSMI06            |
| 31      | 225       | 300 | 360                | 207.9 | LC1E400   | LC1E400 | LC1E200 | LRE484           | 146-234   | CVS630-MA       | 500              | 6-13                    | 6500                         | 50                        | MSMI06            |
| 32      | 250       | 335 | 435                | 251.2 | LC1E400   | LC1E400 | LC1E250 | LRE485           | 174-279   | CVS630-MA       | 500              | 6-13                    | 6500                         | 50                        | MSMI06            |
| 33      | 275       | 370 | 440                | 254   | LC1E400   | LC1E400 | LC1E250 | LRE485           | 174-279   | CVS630-MA       | 500              | 6-13                    | 6500                         | 50                        | MSMI06            |
| 34      | 315       | 425 | 548                | 316.4 | LC1E500   | LC1E500 | LC1E300 | LRE486*          | 208-333   | CV630-ETS       | 630              | 2-10                    | 6300                         | 200                       | MSMI06            |

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue. Use alternate suggested for direct mounting.

\*\*Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOCR to be used with this selection charts.

# For guaranteed performance, Motor feeders built using this chart must make use of MSMI06 or equivalent Schneider Electric make timer only.







Life Is 

**Schneider**  
 Electric

## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurugram 122002 Haryana  
Tel.: ++91 124 6899000 Fax: ++91 124 4222036/037

### Ahmedabad

Schneider Electric India (P) Ltd.  
1506-1507, 15<sup>th</sup> Floor Shapth-5  
Opp.Karnavati Club, SG Highway,  
Ahmedabad, Gujarat - 380015  
Tel.: 079-66826701

### Coimbatore

Schneider Electric India (P) Ltd.  
Hanudev Info Tech Park, 6<sup>th</sup> Floor  
Unit No. Block-C, SF No. 558/2  
Udalyampalayam Road, Nava India  
Coimbatore-641028

### Lucknow

Schneider Electric India (P) Ltd.  
Summit, Plot No. TCG 3/3  
6<sup>th</sup> Floor, 604A/B/C, Vibhuti Khand  
Gomti Nagar, Lucknow  
Uttar Pradesh - 226010  
Tel.: 0522-3500334

### Nashik

Schneider Electric India (P) Ltd.  
401, 4<sup>th</sup> Floor, Rishi Raj Towers  
Jehan Circle, Gangapur Road  
Nashik- 422013  
Tel.: 0253-2344333

### Bengaluru

Schneider Electric India (P) Ltd.  
No. 3/1, JP Techno Park  
Mezzanine Floor, Millers Tank Bund  
Road, Vasanth Nagar  
Bengaluru - 560052  
Tel.: 080-71481351

### Hyderabad

Schneider Electric India (P) Ltd.  
D.No. 1-8-271, # 401, Ashoka  
Bhoopal Chambers, SP Road  
Secunderabad - 500003  
Tel.: 040-67219500

### Ludhiana

Schneider Electric India (P) Ltd.  
SCO 23, 2nd Floor,  
Chandigarh Road, Sector 32  
Ludhiana, Punjab-141010  
Tel.: 0161- 5203011

### New Delhi

Schneider Electric India (P) Ltd.  
C-56, Mayapuri Industrial Area, Phase-2  
New Delhi - 110064  
Tel.: 011-61317400

### Bhubaneswar

Schneider Electric India (P) Ltd.  
Workloop Co-Working in the property  
Office No. 316, Esplanade One Mall  
Rasulgarh, Bhubaneswar - 751010

### Indore

Schneider Electric India (P) Ltd.  
219, Dhan Trident Building  
Vijay Nagar, A.B.Road  
Indore-452001

### Mohali

Schneider Electric India (P) Ltd.  
2nd Floor, Tower-A  
Bestech Business Tower  
Mega Information & Technology Park  
Industrial Plot No.1, Phase IX  
(Expansion), Mohali- 160059  
Tel.: 0172-7198200

### Pune

Schneider Electric India (P) Ltd.  
Amar Caliber, CTS No 911, BMCC Road,  
OFF FC. Road, Deccan Gymkhana,  
Shivaji Nagar, Pune - 411007  
Tel.: 020-67492500

### Chennai

Schneider Electric India (P) Ltd.  
No: 29, 2<sup>nd</sup> Floor,  
Bannari Amman Towers, B-Block  
Dr. Radhakrishnan Road, Mylapore  
Chennai - 600 004  
Tel.:044-71912000

### Jaipur

Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309  
3<sup>rd</sup> Floor, Sangam Tower 190  
Church Road, Jaipur-302001  
Tel.: 0141-2374810

### Mumbai

Schneider Electric India (P)( Ltd)  
Marwah House, 2<sup>nd</sup> Floor  
Krishanlal Marwah Marg  
Andheri (East), Mumbai - 400072  
Tel.: 022-62280000

### Vadodara

Schneider Electric India (P) Ltd.  
Notus IT Park, 10<sup>th</sup> Floor, Block-D  
Sarabhai Campus, Vadiwadi  
Vadodara, Gujarat - 390017

### Cochin

Schneider Electric India (P) Ltd.  
Alapatt Properties Private Limited  
(Trade Name : Centre A)  
Main Door Number : 66/4971  
(Old Door Number: 40/6584-H)  
7<sup>th</sup> Floor Alapatt Heritage Building  
MG Road Kochi - 682035

### Kolkata

Schneider Electric (I)Pvt.Ltd,  
BP-4, Sector-V, Technopolis  
3<sup>rd</sup> Floor, Salt Lake City  
Kolkata- 700 091  
Tel.: 033-66576400

### Nagpur

Schneider Electric India (P) Ltd.  
6, Vasant Vihar Complex  
W.H.C Road, Shankar Nagar  
Nagpur- 440010  
Tel.: 0712-2558581

### Vishakhapatnam

Schneider Electric India (P) Ltd.  
D.N.10-1-43, 1<sup>st</sup> Floor  
Ratnam's Business Centre,  
Siripuram Fort, C.B.M.Compound  
Visakhapatnam - 530016  
Tel.: 0891-6675500

### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 419 4272, 1800 103 0011

Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

For more information, visit our website at: [www.se.com/in](http://www.se.com/in)

- All Prices are in Indian Rupees
- Prices are subject to change without prior notice
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice
- Prices charged will be as prevailing on the date of dispatch
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %
- Tax incidence on invoices is basis applicable GST rates
- Invoice amount not to exceed MRP
- Product pictures shown are for illustration purpose only, actual product may vary

**Distributor**