

Life Is On

Schneider
Electric



 Price List

Panel Builder






With effect from March 12, 2018



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Low
Voltage
Products

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Power
Monitoring
Products

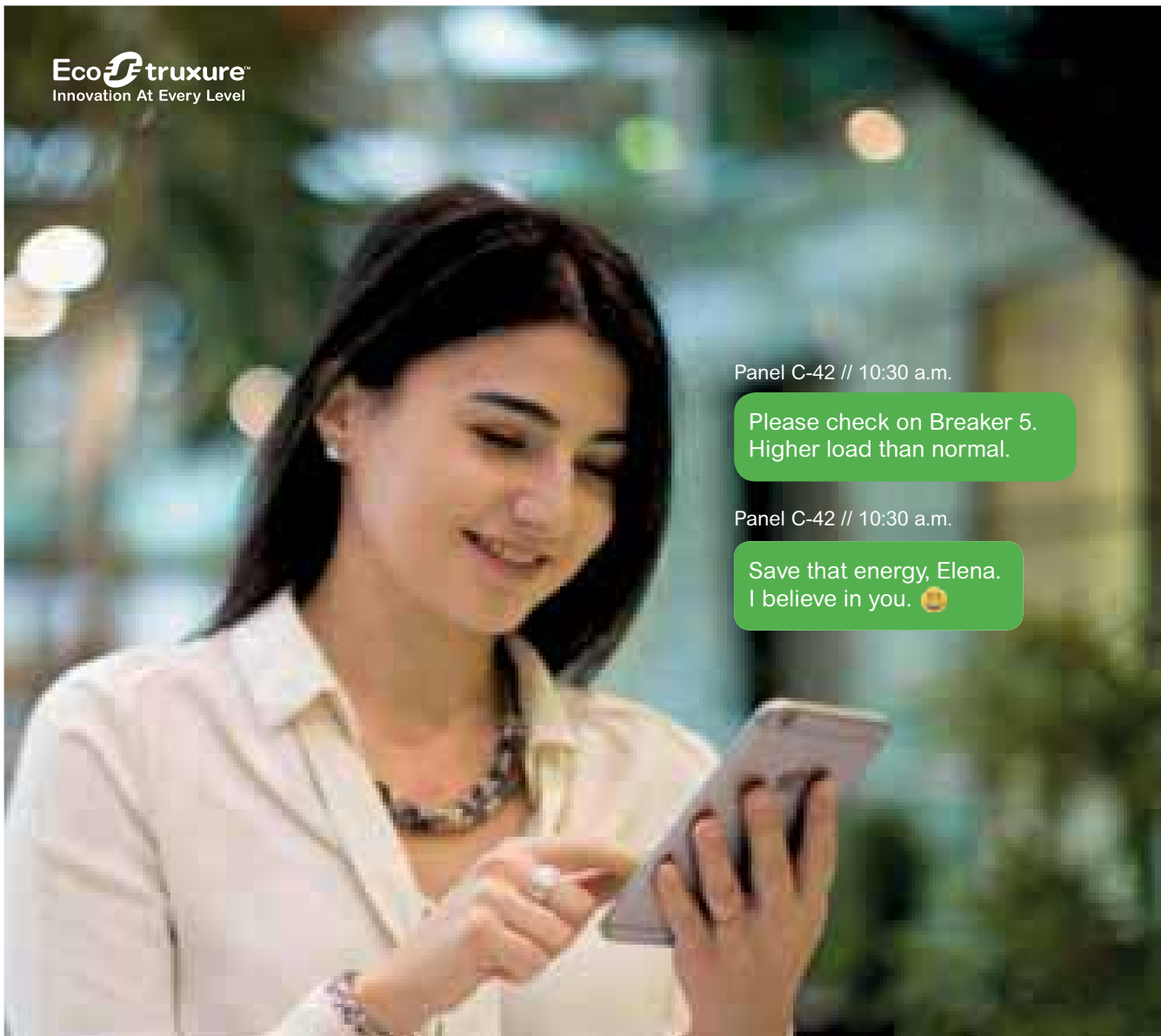
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Power
Monitoring
Products

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Power
Quality
Products

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Panel C-42 // 10:30 a.m.

Please check on Breaker 5.
Higher load than normal.

Panel C-42 // 10:30 a.m.

Save that energy, Elena.
I believe in you. 😊

Now, your electrical panel is your
partner in energy efficiency.

Give it a voice with EcoStruxure™
Power from Schneider Electric



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Electric

Smart Panels

Make your electrical installations smart, simple & reliable



1 Protect

Electrical protection is at the core of Smart Panels

Reliable and high-performance technology is present in every breaker and every residual current device.

2 Measure

Keeping a close eye on energy flows

The switchboard plays a key role in capturing building related data, by gathering the protection and metering component's data.

3 Connect

Give a voice to the panel

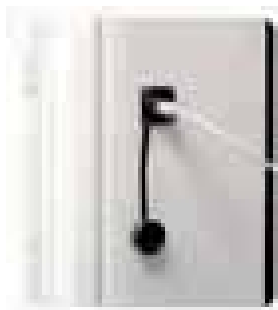
Ethernet network data transmission is now part of the intrinsic design of protection and metering devices

4 Act

- Data driven energy efficiency actions
- Real time monitoring and control
- Access to energy and site information through online services



Ethernet Connected Switchboards



Energy Management

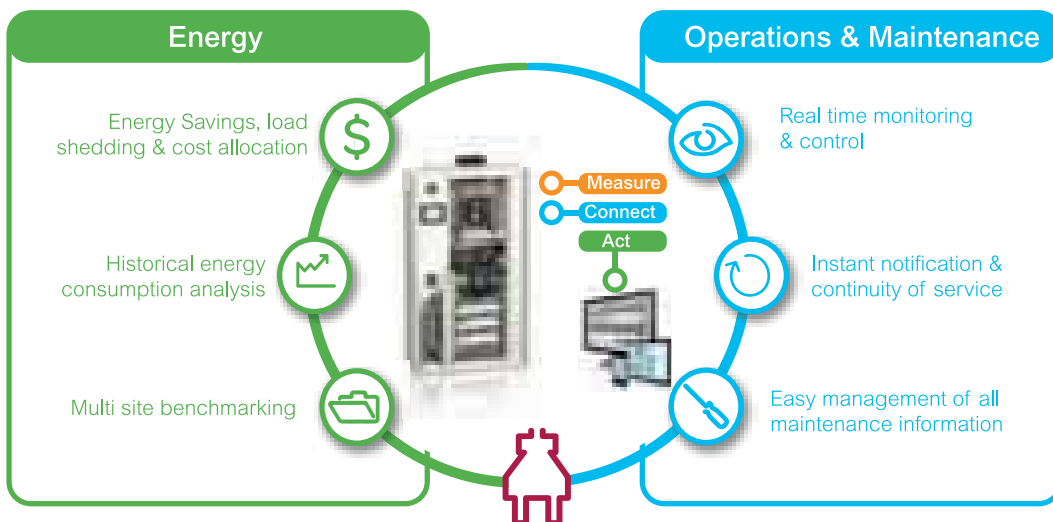
- Real time energy monitoring without any software
- Historical data viewing

Asset Management

- Breaker health monitoring (Contact wear information & No of operations)
- Remote/Local controlling of breakers
- Remote inspection of panels (temperature, door status etc)

Electrical Network Management

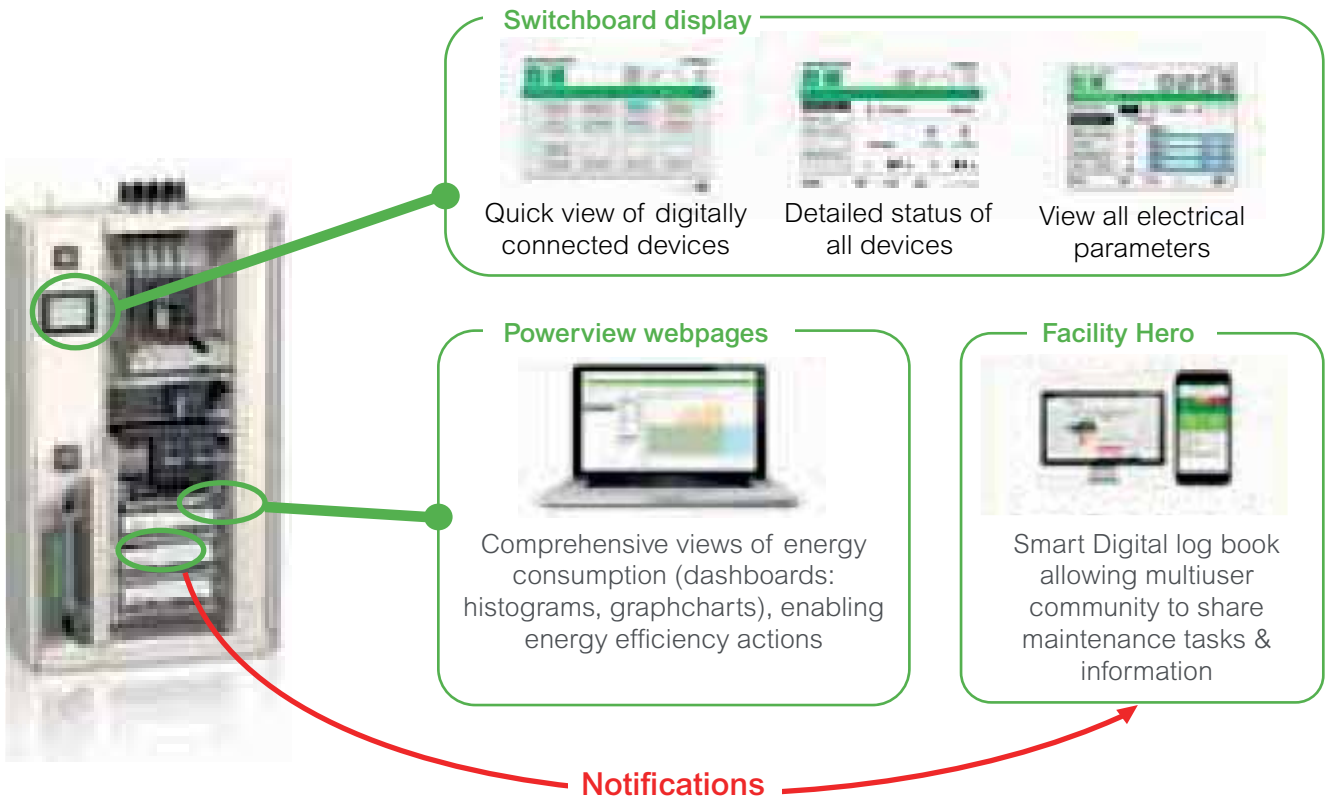
- Supply continuity monitoring
- Email notification of events (Overload, Short Circuit, Earth Fault, Temperature overrun etc)
- Tracking changes in Protection Settings
- Real time trend monitoring
- Trip history with time stamping



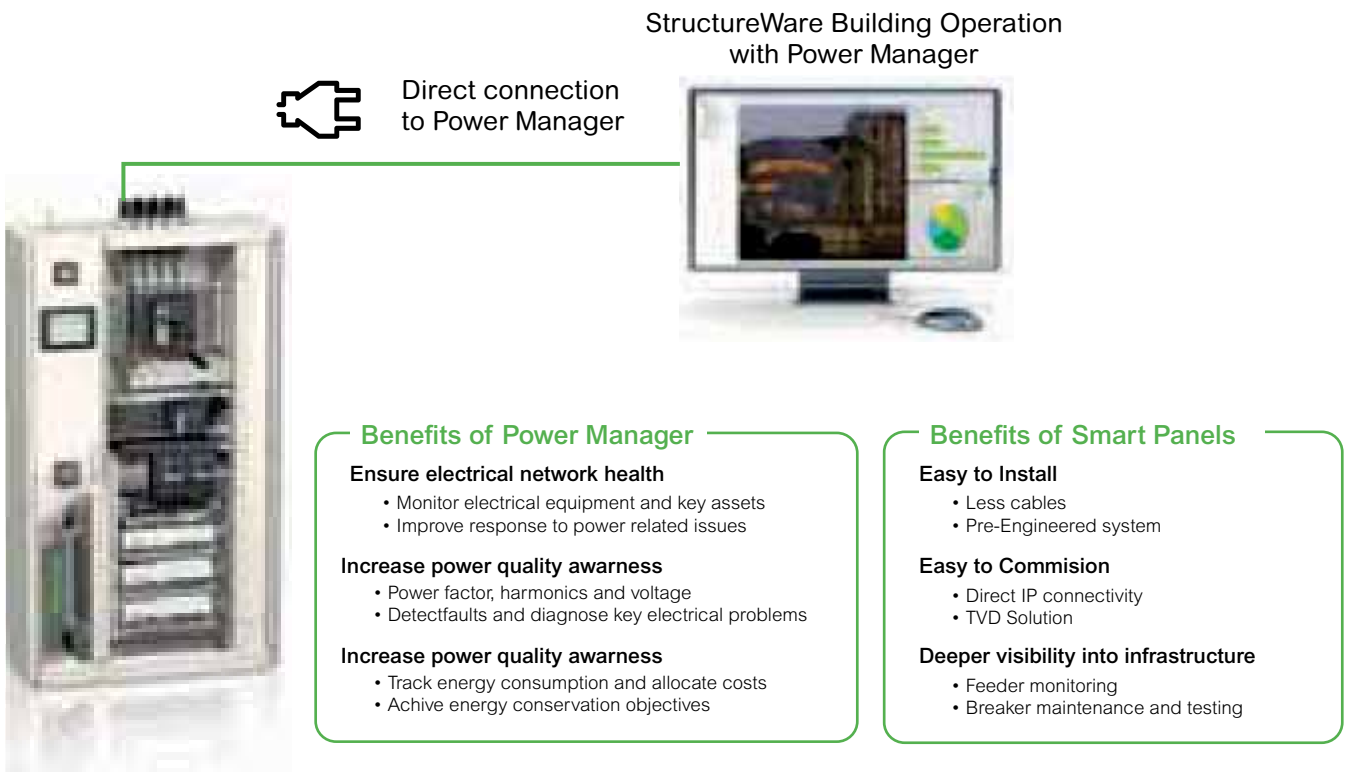
Ready to plug'in to Building and Energy management softwares

Smart Panels

Simple energy & maintenance management without expensive software licenses



Advanced integrated softwares for comprehensive Energy & Building management



Compact™ NSXm MCCB, a new member of the Compact™ NSX family

Efficiency that clicks!



Reliability



Productivity



Flexibility

Compact™ NSXm MCCB



1
Option of 100% secure **EverLink™** connections

2
Faster mounting with **built-in DIN rail**

3
Space saving through **compact size**



4
Enhanced discrimination

5
Best-in-class **electrical life**

6
Option of **side rotary handle**

1 Frame size from 16 to 160A, TMD type

2 Versions - MCCB & Switch disconnectors

5 breaking capacities - 16kA to 70kA, Ics = 100% Icu for entire range

Continues the legacy of Compact™ NSX - Encapsulated Double Break Roto Active Mechanism with Reflex Tripping, cascading

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Compact NSXm circuit breakers: Optimized for your needs

The Compact NSXm range of circuit breakers and switch disconnectors is a newcomer in the Compact NSX family. It is one of the smallest on the market with innovative features. Built on the design of roto-active breaking technology, we have made it as robust as Compact NSX products.

Compact NSXm main features and innovations

- Rated Current, I_n (A) – 16, 25, 32, 40, 50, 63, 80, 100, 125, 160
- Breaking capacity (kA) at 415V – 16, 25, 36, 50, 70
- Thermal magnetic trip unit integrated
- Built-in DIN rail and plate mount
- Auxiliaries externally visible
- EverLink™ connectors



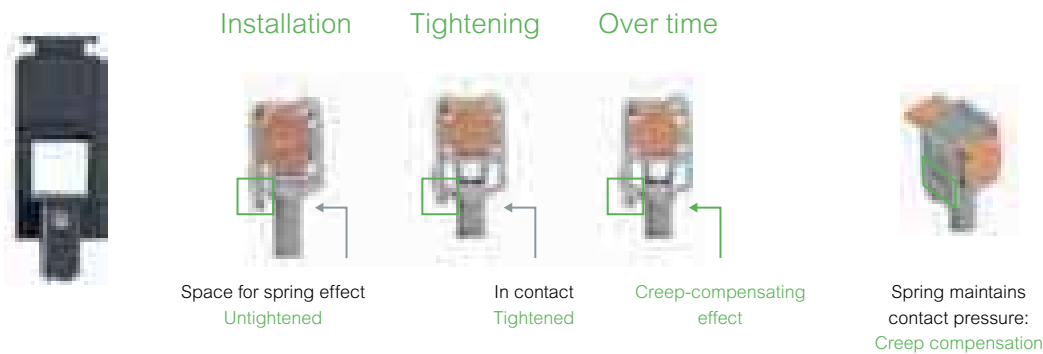
EverLink™ patented technology

The Compact NSXm features a new cable connection method with patented creep-compensating technology built directly into the terminal - EverLink™:

- With EverLink™ connectors, save space and time during panel assembly.
- Bare cable connections are as safe as compression lug ones.



More than 35 patents have been registered for this new Compact NSXm offer.



With Thermal Magnetic Trip Unit (TMD) and Compression Lug connectors



LUG CONNECTION



- Ics = 100% Icu as per IEC 60947-2
- Adjustable thermal setting 0.7 – 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 LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|----------------------|-------------|---------------------|-------------|
| 16kA | 16A | LV426150 | 6570 | LV426160 | 9390 |
| | 25A | LV426151 | 6570 | LV426161 | 9390 |
| | 32A | LV426152 | 6570 | LV426162 | 9390 |
| | 40A | LV426153 | 6570 | LV426163 | 9390 |
| | 50A | LV426154 | 6570 | LV426164 | 9390 |
| | 63A | LV426155 | 6570 | LV426165 | 9390 |
| | 80A | LV426156 | 6570 | LV426166 | 9390 |
| | 100A | LV426157 | 6570 | LV426167 | 9390 |
| | 125A | LV426158 | 11920 | LV426168 | 14670 |
| 25kA | 160A | LV426159 | 13010 | LV426169 | 16060 |
| | 16A | LV426250 | 7140 | LV426260 | 10310 |
| | 25A | LV426251 | 7140 | LV426261 | 10310 |
| | 32A | LV426252 | 7140 | LV426262 | 10310 |
| | 40A | LV426253 | 7140 | LV426263 | 10310 |
| | 50A | LV426254 | 7140 | LV426264 | 10310 |
| | 63A | LV426255 | 7140 | LV426265 | 10310 |
| | 80A | LV426256 | 7230 | LV426266 | 10310 |
| | 100A | LV426257 | 7230 | LV426267 | 10310 |
| 36kA | 125A | LV426258 | 13080 | LV426268 | 16040 |
| | 160A | LV426259 | 14440 | LV426269 | 17990 |
| | 16A | LV426350 | 9090 | LV426360 | 11640 |
| | 25A | LV426351 | 9090 | LV426361 | 11640 |
| | 32A | LV426352 | 9090 | LV426362 | 11640 |
| | 40A | LV426353 | 9090 | LV426363 | 11640 |
| | 50A | LV426354 | 9090 | LV426364 | 11640 |
| | 63A | LV426355 | 9090 | LV426365 | 11640 |
| | 80A | LV426356 | 9090 | LV426366 | 11640 |
| 50kA | 100A | LV426357 | 9090 | LV426367 | 11640 |
| | 125A | LV426358 | 13690 | LV426368 | 17420 |
| | 160A | LV426359 | 15140 | LV426369 | 19290 |
| | 16A | LV426450 | 11770 | LV426460 | 14430 |
| | 25A | LV426451 | 11770 | LV426461 | 14430 |
| | 32A | LV426452 | 11770 | LV426462 | 14430 |
| | 40A | LV426453 | 11770 | LV426463 | 14430 |
| | 50A | LV426454 | 11770 | LV426464 | 14430 |
| | 63A | LV426455 | 11770 | LV426465 | 14430 |
| 70kA | 80A | LV426456 | 11770 | LV426466 | 14900 |
| | 100A | LV426457 | 11770 | LV426467 | 14900 |
| | 125A | LV426458 | 16000 | LV426468 | 18990 |
| | 160A | LV426459 | 17190 | LV426469 | 20580 |
| | 16A | LV426550 | 13820 | LV426560 | 17310 |
| | 25A | LV426551 | 13820 | LV426561 | 17310 |
| | 32A | LV426552 | 13820 | LV426562 | 17310 |
| | 40A | LV426553 | 13820 | LV426563 | 17310 |
| | 50A | LV426554 | 13820 | LV426564 | 17310 |
| 63A | LV426555 | 13820 | LV426565 | 17310 | |
| 80A | LV426556 | 13820 | LV426566 | 17310 | |
| 100A | LV426557 | 13820 | LV426567 | 17310 | |
| 125A | LV426558 | 25750 | LV426568 | 27510 | |
| 160A | LV426559 | 26000 | LV426569 | 27780 | |

With Thermal Magnetic Trip Unit (TMD) and EverLink™ connectors



- Ics = 100% Icu as per IEC 60947-2
- Adjustable thermal setting 0.7 – 1 x In
- Fixed magnetic settings
- Single frame size upto 160A
- 5 breaking capacities from 16kA to 70kA
- With Patented EverLink™ 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 LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|----------------------|-------------|---------------------|-------------|
| 16kA | 16A | LV426100 | 6570 | LV426110 | 9390 |
| | 25A | LV426101 | 6570 | LV426111 | 9390 |
| | 32A | LV426102 | 6570 | LV426112 | 9390 |
| | 40A | LV426103 | 6570 | LV426113 | 9390 |
| | 50A | LV426104 | 6570 | LV426114 | 9390 |
| | 63A | LV426105 | 6570 | LV426115 | 9390 |
| | 80A | LV426106 | 6570 | LV426116 | 9390 |
| | 100A | LV426107 | 6570 | LV426117 | 9390 |
| | 125A | LV426108 | 11920 | LV426118 | 14670 |
| | 160A | LV426109 | 13010 | LV426119 | 16060 |
| 25kA | 16A | LV426200 | 7140 | LV426210 | 10310 |
| | 25A | LV426201 | 7140 | LV426211 | 10310 |
| | 32A | LV426202 | 7140 | LV426212 | 10310 |
| | 40A | LV426203 | 7140 | LV426213 | 10310 |
| | 50A | LV426204 | 7140 | LV426214 | 10310 |
| | 63A | LV426205 | 7140 | LV426215 | 10310 |
| | 80A | LV426206 | 7230 | LV426216 | 10310 |
| | 100A | LV426207 | 7230 | LV426217 | 10310 |
| | 125A | LV426208 | 13080 | LV426218 | 16040 |
| | 160A | LV426209 | 14440 | LV426219 | 17990 |
| 36kA | 16A | LV426300 | 9090 | LV426310 | 11640 |
| | 25A | LV426301 | 9090 | LV426311 | 11640 |
| | 32A | LV426302 | 9090 | LV426312 | 11640 |
| | 40A | LV426303 | 9090 | LV426313 | 11640 |
| | 50A | LV426304 | 9090 | LV426314 | 11640 |
| | 63A | LV426305 | 9090 | LV426315 | 11640 |
| | 80A | LV426306 | 9090 | LV426316 | 11640 |
| | 100A | LV426307 | 9090 | LV426317 | 11640 |
| | 125A | LV426308 | 13690 | LV426318 | 17420 |
| | 160A | LV426309 | 15140 | LV426319 | 19290 |
| 50kA | 16A | LV426400 | 11770 | LV426410 | 14430 |
| | 25A | LV426401 | 11770 | LV426411 | 14430 |
| | 32A | LV426402 | 11770 | LV426412 | 14430 |
| | 40A | LV426403 | 11770 | LV426413 | 14430 |
| | 50A | LV426404 | 11770 | LV426414 | 14430 |
| | 63A | LV426405 | 11770 | LV426415 | 14430 |
| | 80A | LV426406 | 11770 | LV426416 | 14900 |
| | 100A | LV426407 | 11770 | LV426417 | 14900 |
| | 125A | LV426408 | 16000 | LV426418 | 18990 |
| | 160A | LV426409 | 17190 | LV426419 | 20580 |
| 70kA | 16A | LV426500 | 13820 | LV426510 | 17310 |
| | 25A | LV426501 | 13820 | LV426511 | 17310 |
| | 32A | LV426502 | 13820 | LV426512 | 17310 |
| | 40A | LV426503 | 13820 | LV426513 | 17310 |
| | 50A | LV426504 | 13820 | LV426514 | 17310 |
| | 63A | LV426505 | 13820 | LV426515 | 17310 |
| | 80A | LV426506 | 13820 | LV426516 | 17310 |
| | 100A | LV426507 | 13820 | LV426517 | 17310 |
| | 125A | LV426508 | 25750 | LV426518 | 27510 |
| | 160A | LV426509 | 26000 | LV426519 | 27780 |

For Details on stockable and non-stockable status, technical parameter, please Contact Customer Care Centre

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

- 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

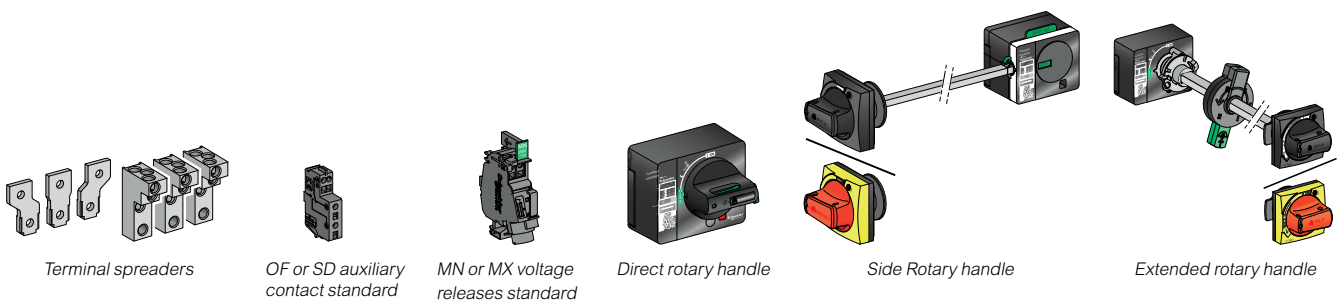
| Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---------------|----------------------|-------------|---------------------|-------------|
| 50A | LV426650 | 7970 | LV426660 | 11780 |
| 100A | LV426651 | 7970 | LV426661 | 11780 |
| 160A | LV426652 | 16310 | LV426662 | 21750 |

Compact NSXm NA switch-disconnector

With EverLink™ connectors

| Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---------------|----------------------|-------------|---------------------|-------------|
| 50A | LV426600 | 8170 | LV426610 | 12070 |
| 100A | LV426601 | 8170 | LV426611 | 12070 |
| 160A | LV426602 | 16710 | LV426612 | 22280 |

Accessories for Compact NSXm 16A to 160A



NSXm Accessories

Auxiliary contacts (changeover)

| Description | Reference | Unit LP [₹] |
|-------------------|-----------|-------------|
| Standard OF or SD | LV426950 | 770 |

Rotary Handles

| Description | Reference | Unit LP [₹] |
|---------------------------------------|-----------|-------------|
| Direct rotary handle | | |
| Standard black handle | LV426930 | 1060 |
| Extended rotary handle | | |
| Standard extended rotary black handle | LV426932 | 1570 |
| Side rotary handle | | |
| Standard side rotary black handle | LV426935 | 2690 |

Rotary Handles

| Description | Reference | Unit LP [₹] |
|---------------------------------------|-----------|-------------|
| Spreaders & Phase Barriers | | |
| Spreaders (Set of 3) 3P | LV426940 | 580 |
| Spreaders (Set of 4) 4P | LV426941 | 590 |

Voltage Releases

| Description | Shunt Release Reference | Unit LP [₹] | Under Voltage Reference | Unit LP [₹] |
|--------------------|-------------------------|-------------|-------------------------|-------------|
| AC | | | | |
| 24 V 50/60 Hz | LV426841 | 1890 | LV426801 | 2460 |
| 48 V 50/60 Hz | LV426842 | | LV426802 | |
| 110-130 V 50/60 Hz | LV426843 | | LV426803 | |
| 220-240 V 50/60 Hz | LV426844 | | LV426804 | |
| 380-415 V 50 Hz | LV426846 | | LV426806 | |
| DC | | | | |
| 24 V | LV426841 | 1890 | LV426801 | 2460 |
| 48 V | LV426842 | | LV426802 | |
| 125 V | LV426843 | | LV426803 | |
| 250 V | LV426844 | | LV426815 | |

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

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Ethernet Ready Next Generation Circuit Breakers

Compact NSX

LV circuit breakers from 16A to 630A



Energy
measurement
and control



Increased
energy
availability



Safety and
protection



Compact NSX

Ethernet ready Next-generation circuit breakers



- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for precise measurement
- Intelligent / Enhanced discrimination for continuity of service
- 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 Microprocessor based trip unit
- Available in Fixed, Plug-in and Draw out type versions

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

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Type of Trip Units

Micrologic Trip Units

(ASIC-Application Specific Integrated Circuit)



| Protection | Cases | Measurement | Application |
|--|---|--|---|
| <p>↓</p> <p>1 I 2 LS₀I 5 LSI 6 LSIG</p> | <p>↓</p> <p>2 NSX100-250 3 NSX400-630</p> | <p>↓</p> <p>A Ammeter E Energy Meter</p> | <p>↓</p> <p>--- Distribution G Generator AB Subscriber M Motor Z 16Hz 2/3</p> |

Example

| | | | | |
|--------------------|-------------------|-------------------|---------|--------------|
| Micrologic 1.3 M | I | 400 or 630 A | | Motor |
| Micrologic 2.2 G | LS ₀ I | 100, 160 or 250 A | | Generator |
| Micrologic 2.3 | LS ₀ I | 400 or 630 A | | Distribution |
| Micrologic 2.3 M | LS ₀ I | 400 or 630 A | | Motor |
| Micrologic 5.2 A | LSI | 100, 160 or 250 A | Ammeter | Distribution |
| Micrologic 5.3 E | LSI | 400 or 630 A | Energy | Distribution |
| Micrologic 6.3 E-M | LSIG | 400 or 630 A | Energy | Motor |

Thermal Magnetic Trip Unit



- Available from 16A - 250A
- Overload Setting (I_r) 0.7 - 1 x I_n
- Short Circuit Setting (I_m)
- Fixed upto 160A
- Adjustable 5 - 10 x I_r (for 200A - 250A)

- I** - Instantaneous
- S₀** - Short Time with Fixed Time Delay
- S** - Short Time with Adjustable Time Delay
- G** - Ground Fault

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

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Compact NSX PV for Photovoltaic applications

- Circuit Breakers and Switch Disconnectors
- A complete DC offer for Solar Applications from 80 to 1500A.
 - 80A to 500A MCCB with TMD type trip unit
 - 80A to 1500A Switch disconnector



Ensuring safe and efficient operation of your Photovoltaic installation.



With heat sink supplied as standard, MCCB rating is optimized, avoiding the need to oversize protection components and saving space in the enclosure.

- ★ Connection and insulation accessories supplied as standard with Compact NSX PV MCCB are:
 - Connection plate with heat sink
 - Upstream and downstream terminal shields



PowerPact

Multistandard offer for OEM applications

Be compliant around the world

Range - 16A to 600A in Two frames sizes



- Compliance to UL489, IEC60947, CCC & CSA standards.
- Breaking Capacity up to 100kA
- Voltage rating up to 600V
- Isolation with Positive Break Indication
- Fixed, Plug-in and Draw out type
- TMD and Microprocessor based trip unit
- Built-in energy metering (2% accuracy class)
- Smart Integration over Communication Network

Trust US...

- > to supply worldwide availability
- > to apply tested and validated solutions
- > to comply to international standards



With Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Adjustable thermal setting 0.7 - 1 x In
- Adjustable magnetic setting 5 – 10 x Ir **
- Transparent cover for trip unit as standard
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Exceptional current limiting < 6 x 10⁵ A²S

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|----------------------|-------------|---------------------|-------------|
| 25kA | 16A | LV429557 | 8590 | LV429567 | 12340 |
| | 25A | LV429556 ✓ | 8590 | LV429566 | 12340 |
| | 32A | LV429555 ✓ | 8590 | LV429565 | 12340 |
| | 40A | LV429554 ✓ | 8590 | LV429564 | 12340 |
| | 50A | LV429553 | 8590 | LV429563 | 12340 |
| | 63A | LV429552 ✓ | 8590 | LV429562 ✓ | 12340 |
| | 80A | LV429551 ✓ | 8590 | LV429561 | 12340 |
| | 100A | LV429550 ✓ | 8590 | LV429560 ✓ | 12340 |
| | 125A | LV430311 ✓ | 15120 | LV430321 ✓ | 18480 |
| | 160A | LV430310 ✓ | 15970 | LV430320 ✓ | 19550 |
| 36kA | 200A | LV431111 | 23460 | LV431121 ✓ | 28230 |
| | 250A | LV431110 ✓ | 23690 | LV431120 ✓ | 28510 |
| | 16A | LV429637 ✓ | 10470 | LV429647 | 13250 |
| | 25A | LV429636 ✓ | 10470 | LV429646 | 13250 |
| | 32A | LV429635 ✓ | 10470 | LV429645 ✓ | 13250 |
| | 40A | LV429634 ✓ | 10470 | LV429644 | 13250 |
| | 50A | LV429633 | 10470 | LV429643 | 13250 |
| | 63A | LV429632 ✓ | 10470 | LV429642 ✓ | 13250 |
| | 80A | LV429631 ✓ | 10470 | LV429641 | 13250 |
| | 100A | LV429630 ✓ | 10470 | LV429640 ✓ | 13250 |
| 50kA | 125A | LV430631 ✓ | 15640 | LV430641 ✓ | 19660 |
| | 160A | LV430630 ✓ | 16420 | LV430640 ✓ | 20620 |
| | 200A | LV431631 ✓ | 24000 | LV431641 ✓ | 29590 |
| | 250A | LV431630 ✓ | 24230 | LV431640 ✓ | 30480 |
| | 16A | LV429847 | 12100 | LV429857 | 15320 |
| | 25A | LV429846 | 12100 | LV429856 | 15320 |
| | 32A | LV429845 ✓ | 12100 | LV429855 | 15320 |
| | 40A | LV429844 ✓ | 12100 | LV429854 | 15320 |
| | 50A | LV429843 | 12100 | LV429853 | 15320 |
| | 63A | LV429842 ✓ | 12100 | LV429852 | 15320 |
| 70kA | 80A | LV429841 ✓ | 12100 | LV429851 | 15320 |
| | 100A | LV429840 ✓ | 12100 | LV429850 | 15320 |
| | 125A | LV430841 ✓ | 18460 | LV430851 | 21330 |
| | 160A | LV430840 ✓ | 19200 | LV430850 | 21970 |
| | 200A | LV431831 ✓ | 25620 | LV431841 | 31300 |
| | 250A | LV431830 ✓ | 25860 | LV431840 | 32240 |
| | 16A | LV429677 | 15840 | LV429687 | 20620 |
| | 25A | LV429676 | 15840 | LV429686 | 20620 |
| | 32A | LV429675 | 15840 | LV429685 | 20620 |
| | 40A | LV429674 | 15840 | LV429684 | 20620 |
| 70kA | 50A | LV429673 | 15840 | LV429683 | 20620 |
| | 63A | LV429672 ✓ | 15840 | LV429682 | 20620 |
| | 80A | LV429671 | 15840 | LV429681 | 20620 |
| | 100A | LV429670 ✓ | 15840 | LV429680 | 20620 |
| | 125A | LV430671 | 29480 | LV430681 | 31630 |
| | 160A | LV430670 ✓ | 29780 | LV430680 | 31940 |
| | 200A | LV431671 | 33720 | LV431681 | 43380 |
| | 250A | LV431670 ✓ | 34050 | LV431680 | 43810 |

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. March 12, 2018

With Micrologic 2 (µP -ASIC based)



- Protection type LS01N
- Ics = 100% Icu as per IEC 60947-2
- Adjustable overload from 0.40 - 1 x In
- Adjustable short circuit from 1.5 - 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 LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|--|-------------|--|-------------|
| 25kA | 40A | LV429777 <input checked="" type="checkbox"/> | 15190 | LV429787 | 19540 |
| | 100A | LV429775 <input checked="" type="checkbox"/> | 15190 | LV429785 <input checked="" type="checkbox"/> | 19540 |
| | 160A | LV430745 <input checked="" type="checkbox"/> | 19400 | LV430750 <input checked="" type="checkbox"/> | 24750 |
| | 250A | LV431140 <input checked="" type="checkbox"/> | 25490 | LV431150 <input checked="" type="checkbox"/> | 32700 |
| 36kA | 40A | LV429772 | 15440 | LV429782 | 19640 |
| | 100A | LV429770 <input checked="" type="checkbox"/> | 15440 | LV429780 <input checked="" type="checkbox"/> | 19640 |
| | 160A | LV430770 <input checked="" type="checkbox"/> | 19740 | LV430780 <input checked="" type="checkbox"/> | 27340 |
| | 250A | LV431770 <input checked="" type="checkbox"/> | 26820 | LV431780 <input checked="" type="checkbox"/> | 37180 |
| | 400A | LV432676 <input checked="" type="checkbox"/> | 37000 | LV432677 <input checked="" type="checkbox"/> | 42250 |
| | 630A | LV432876 <input checked="" type="checkbox"/> | 39120 | LV432877 <input checked="" type="checkbox"/> | 50720 |
| 50kA | 40A | LV429797 | 18430 | LV429807 | 25240 |
| | 100A | LV429795 <input checked="" type="checkbox"/> | 18430 | LV429805 <input checked="" type="checkbox"/> | 26000 |
| | 160A | LV430775 <input checked="" type="checkbox"/> | 23360 | LV430785 <input checked="" type="checkbox"/> | 30250 |
| | 250A | LV431870 <input checked="" type="checkbox"/> | 30520 | LV431875 <input checked="" type="checkbox"/> | 40020 |
| | 400A | LV432693 <input checked="" type="checkbox"/> | 38730 | LV432694 <input checked="" type="checkbox"/> | 50250 |
| | 630A | LV432893 <input checked="" type="checkbox"/> | 40100 | LV432894 <input checked="" type="checkbox"/> | 53130 |
| 70kA | 40A | LV429792 | 23730 | LV429802 | 29850 |
| | 100A | LV429790 | 24090 | LV429800 | 29850 |
| | 160A | LV430790 | 31590 | LV430800 | 40320 |
| | 250A | LV431790 | 35230 | LV431800 | 51080 |
| | 400A | LV432695 <input checked="" type="checkbox"/> | 44020 | LV432696 <input checked="" type="checkbox"/> | 57800 |
| | 630A | LV432895 <input checked="" type="checkbox"/> | 45110 | LV432896 <input checked="" type="checkbox"/> | 70170 |

Note: For higher breaking capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales office.

With 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 - 1 x In
- Adjustable short circuit from 1.5 - 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 LP [₹] | 3 Ph + 4W Reference | Unit LP [₹] |
|-------------------|----------------------------|--|-------------|--|-------------|
| CVS/NSX100 | 32, 40, 50, 63, 80, 100 | GFP11CT13P <input checked="" type="checkbox"/> | 4930 | GFP11CT14P <input checked="" type="checkbox"/> | 5400 |
| CVS/NSX 160 / 250 | 125, 160, 200, 250 | GFP12CT23P <input checked="" type="checkbox"/> | 5610 | GFP12CT24P <input checked="" type="checkbox"/> | 6330 |
| CVS/NSX 400 / 630 | 400, 630 | GFP13CT33P <input checked="" type="checkbox"/> | 8470 | GFP13CT34P <input checked="" type="checkbox"/> | 9250 |
| CVS 800 | 800 | GFP14CT43P <input checked="" type="checkbox"/> | 10440 | GFP14CT44P <input checked="" type="checkbox"/> | 11690 |

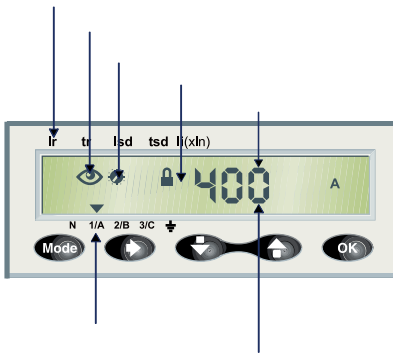
Note: Kindly order NSX/CVS MCCB +GFP+. Shunt trip coil.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

With Micrologic 6A (Embedded current metering and communication capable)



- Protection type LSIGN
- Ics = 100% Icu as per IEC 60947-2
- Current measurements (Phase & neutral, Average, Highest of phases, Ground fault current, Maximeter / Minimeter, Current unbalance between phases)
- Adjustable overload from Ir 0.36 to 1 x In and tr = 0.5 - 16 s
- Adjustable short circuit from lsd 1.5 - 10 x Ir and tsd I2tON/OFF 0.1 - 0.4s
- Adjustable earth fault 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I2tON/OFF 0.1 - 0.4s
- Instantaneous protection li 1.5 x In - 15 x In (40 - 160A), 12 x In (250 - 400A) and 11 x In (630A)
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)
- Zone Selective Interlocking (ZSI) as standard
- 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.

| Breaking Capacity Icu as per IEC 60947-2" | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---|---------------|----------------------|-------------|---------------------|-------------|
| 25kA | 40A | LV429014X62A40 | 34030 | LV429015X62A40 | 38090 |
| | 100A | LV429014X62A100 | 34030 | LV429015X62A100 | 38090 |
| | 160A | LV430390X62A160 | 35990 | LV430395X62A160 | 43280 |
| | 250A | LV431390X62A250 | 41210 | LV431395X62A250 | 49370 |
| 36kA | 40A | LV429003X62A40 | 34030 | LV429008X62A40 | 39030 |
| | 100A | LV429003X62A100 | 34030 | LV429008X62A100 | 39030 |
| | 160A | LV430403X62A160 | 37010 | LV430408X62A160 | 44030 |
| | 250A | LV431403X62A250 | 41510 | LV431408X62A250 | 51000 |
| | 400A | LV432413X63A400 | 48650 | LV432415X63A400 | 54840 |
| | 630A | LV432813X63A630 | 55900 | LV432815X63A630 | 65180 |
| 50kA | 40A | LV429006X62A40 | 37010 | LV429011X62A40 | 42020 |
| | 100A | LV429006X62A100 | 37010 | LV429011X62A100 | 42020 |
| | 160A | LV430406X62A160 | 42020 | LV430411X62A160 | 45010 |
| | 250A | LV431406X62A250 | 44900 | LV431411X62A250 | 52220 |
| | 400A | LV432403X63A400 | 50000 | LV432408X63A400 | 60570 |
| | 630A | LV432803X63A630 | 56100 | LV432808X63A630 | 69350 |
| 70kA | 40A | LV429004X62A40 | 40990 | LV429009X62A40 | 47020 |
| | 100A | LV429004X62A100 | 40990 | LV429009X62A100 | 47020 |
| | 160A | LV430404X62A160 | 50240 | LV430409X62A160 | 56000 |
| | 250A | LV431404X62A250 | 51250 | LV431409X62A250 | 78010 |
| | 400A | LV432404X63A400 | 64040 | LV432409X63A400 | 80020 |
| | 630A | LV432804X63A630 | 66000 | LV432809X63A630 | 87730 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

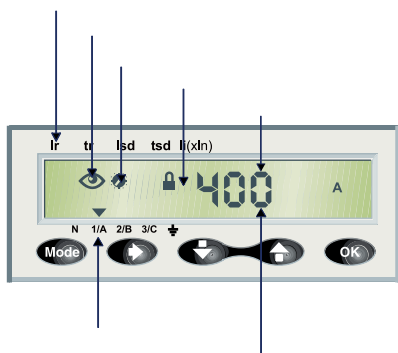
NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Micrologic 6 E (Embedded Energy metering and communication capable)



- Features over and above Micrologic 6A.
- Current Measurements (Phase & neutral, Average, Highest of Phases, Ground Fault current, Maximeter/Minimeter, Current Unbalance between Phases)
- Voltage Measurements (Phase-Phase & Phase-neutral, Average, Ph-Ph & Ph-N voltage unbalance)
- Frequency Measurements
- Power Quality Indicator (Total Harmonic Distortion for Current and Voltage)
- Power Measurements (Active, Reactive and Apparent Power, total and per phase and Power Factor and cos (phi))
- Demand Currents and Power Measurements (Demand Values, total & per phase, Maximum Demand)
- Energy Metering (Active, Reactive and Apparent energy, total and per phase)
- Indications, Alarms and Histories (Indication of fault types, Alarms for high/low threshold, operating histories & time stamped tables)
- Maintenance Indicators (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 LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|----------------------|-------------|---------------------|-------------|
| 25kA | 40A | LV429014X62E40 | 51220 | LV429015X62E40 | 56910 |
| | 100A | LV429014X62E100 | 51220 | LV429015X62E100 | 56910 |
| | 160A | LV430390X62E160 | 51250 | LV430395X62E160 | 57060 |
| | 250A | LV431390X62E250 | 52280 | LV431395X62E250 | 63570 |
| 36kA | 40A | LV429003X62E40 | 52330 | LV429008X62E40 | 57760 |
| | 100A | LV429003X62E100 | 52330 | LV429008X62E100 | 57760 |
| | 160A | LV430403X62E160 | 53190 | LV430408X62E160 | 60000 |
| | 250A | LV431403X62E250 | 53810 | LV431408X62E250 | 64520 |
| | 400A | LV432413X63E400 | 66490 | LV432415X63E400 | 74540 |
| 50kA | 630A | LV432813X63E630 | 75520 | LV432815X63E630 | 92680 |
| | 40A | LV429006X62E40 | 53110 | LV429011X62E40 | 58630 |
| | 100A | LV429006X62E100 | 53110 | LV429011X62E100 | 58630 |
| | 160A | LV430406X62E160 | 53990 | LV430411X62E160 | 60900 |
| | 250A | LV431406X62E250 | 54620 | LV431411X62E250 | 65490 |
| 70kA | 400A | LV432403X63E400 | 67490 | LV432408X63E400 | 75880 |
| | 630A | LV432803X63E630 | 76270 | LV432808X63E630 | 94070 |
| | 40A | LV429004X62E40 | 55270 | LV429009X62E40 | 61800 |
| | 100A | LV429004X62E100 | 55270 | LV429009X62E100 | 61800 |
| | 160A | LV430404X62E160 | 59710 | LV430409X62E160 | 64060 |
| 70kA | 250A | LV431404X62E250 | 61110 | LV431409X62E250 | 88690 |
| | 400A | LV432404X63E400 | 75380 | LV432409X63E400 | 90670 |
| | 630A | LV432804X63E630 | 88570 | LV432809X63E630 | 102460 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

With Magnetic Trip Unit MA type



- Ics = 100% Icu as per IEC 60947-2
- Adjustable magnetic setting Im 6 -14 x In (2.5 - 100A) & 9 - 14 x In (150 - 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
- Rated at 650C as per motor standards

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] |
|--|---------------|--|-------------|
| 36kA | 2.5A | LV429745 | 10980 |
| | 6.3A | LV429744 | 10980 |
| | 12.5A | LV429743 | 10980 |
| | 25A | LV429742 | 10980 |
| | 50A | LV429741 | 10980 |
| | 100A | LV429740 <input checked="" type="checkbox"/> | 10980 |
| | 150A | LV430830 | 15600 |
| | 220A | LV431748 | 25590 |
| 50kA | 2.5A | LV429755 | 12400 |
| | 6.3A | LV429754 | 12400 |
| | 12.5A | LV429753 | 12400 |
| | 25A | LV429752 | 12400 |
| | 50A | LV429751 | 12400 |
| | 100A | LV429750 <input checked="" type="checkbox"/> | 12400 |
| | 150A | LV430832 | 19040 |
| | 220A | LV431752 | 28090 |
| 70kA | 2.5A | LV429765 | 15930 |
| | 6.3A | LV429764 | 15930 |
| | 12.5A | LV429763 | 15930 |
| | 25A | LV429762 | 15930 |
| | 50A | LV429761 | 15930 |
| | 100A | LV429760 | 15930 |
| | 150A | LV430834 | 28840 |
| | 220A | LV431756 | 44740 |

With Micrologic 1.3M



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable short circuit Isd = 5 -13 x In
- Front indication LED (Ready LED)
- Type - 2 Co-ordination charts upto 250 kW at 400V
- Rated at 650C as per motor standards

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] |
|--|---------------|----------------------|-------------|
| 36kA | 320A | LV432748 | 35310 |
| | 500A | LV432948 | 42460 |
| 50kA | 320A | LV432749 | 38640 |
| | 500A | LV432949 | 44350 |
| 70kA | 320A | LV432750 | 49960 |
| | 500A | LV432950 | 50270 |

Note: For higher breaking capacities (100kA and 150kA), 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. March 12, 2018

With Micrologic 2M (µP - ASIC based)



- Ics = 100% Icu as per IEC 60947-2
- Adjustable overload Ir 0.45 - 1 x In
- Adjustable short circuit I_{sd} 5 - 13 x Ir
- Trip class selection: Class 5, Class 10 & Class 20
- Phase unbalance or Phase Loss
- Type - 2 Co-ordination charts upto 315 kW at 400V
- Front indication LED's (Ready & temperature rise alarm)
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB
- Rated at 650C as per motor standards

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [€] |
|--|---------------|----------------------|-------------|
| 36kA | 25A | LV429828 | 15930 |
| | 50A | LV429827 | 15930 |
| | 100A | LV429825 | 15930 |
| | 150A | LV430985 | 23620 |
| | 220A | LV431160 | 31490 |
| | 320A | LV432775 | 42820 |
| | 500A | LV432975 | 51600 |
| 50kA | 25A | LV429833 | 19770 |
| | 50A | LV429832 | 19770 |
| | 100A | LV429830 | 19770 |
| | 150A | LV430988 | 26320 |
| | 220A | LV431165 | 33200 |
| | 320A | LV432776 | 49210 |
| | 500A | LV432976 | 51980 |
| 70kA | 25A | LV429838 | 24060 |
| | 50A | LV429837 | 24060 |
| | 100A | LV429835 | 24060 |
| | 150A | LV430991 | 38760 |
| | 220A | LV431170 | 42420 |
| | 320A | LV432777 | 59290 |
| | 500A | LV432977 | 62140 |

Note:

- For higher breaking capacities (100kA and 150kA), contact our nearest Sales office.
- For arriving at the Reference of the MCCB with Micrologic 6E-M, please contact our nearest Sales office.

Micrologic 6 E-M



- In addition to Embedded Energy Metering features of Micrologic 6E, the below Motor
- Application parameters are present in Micrologic 6E-M
- Overload protection: Ir 0.45 - 1 x In
- Short circuit protection: I_{sd} 5 - 13 x Ir
- Ground fault protection: Ig 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I_{2t}ON/OFF 0.1 - 0.4s
- Phase unbalance or Phase loss
- Trip class selection: Class 5, Class10, Class20 & Class30
- Cooling fan selection: self cooled or fan cooled motors
- Iunbalance: 10 - 40% of average current and time delay 0.7s (starting) & 1 - 10s (normal operation)
- Locked Rotor: I_{jam} 1 - 8 x Ir or I_{jam} can be made OFF and t_{jam} 1 - 30s
- Under-Load (under-current): I_{und} 0.3 - 0.9 x Ir or I_{und} can be made OFF and t_{und} 1 - 200s
- Long Starts I_{llong} 1 - 8 x Ir or I_{llong} can be made OFF and t_{llong} 1 - 200s
- Neutral: OFF or 0.5 x Ir or oversized neutral standard
- Front indication LED's (Ready & temperature rise alarm)
- Zone Selective Interlocking (ZSI) as standard
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

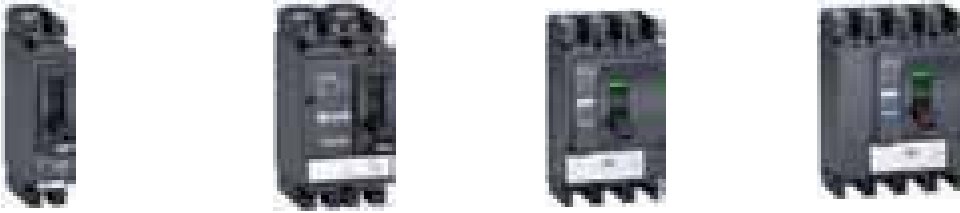
NORMAL STOCK ITEMS

W.E.F. March 12, 2018

MCCBs for DC Network Protection

Compact NSX DC

Range - 16A to 1200A in Two frames sizes with Thermal Magnetic Trip Unit (TMD)



- Comply to IEC60947 -2 standards
- Breaking Capacity up to 100kA
- Isolation with Positive Break Indication
- Fixed, Plug-in and Draw out type upto 600A
- TMD based trip unit
- New ratings 400A , 600A and 630A to 1200A

| Poles | Breaking Capacity | NSX100 | NSX160 | NSX250 | NSX400 | NSX630 | | NSX1200 | |
|-------|-------------------|-------------|--------------|--------------|--------------|--------|------|----------------|---|
| | | 16A to 100A | 125A to 160A | 200A to 250A | 250A to 400A | 500A | 600A | 630A to 1200A* | |
| 3P/4P | F 36kA @750VDC | █ | | | | | | | |
| 3P/4P | S 100kA @750VDC | █ | | | | | | | |
| 3P/4P | F 36kA @500VDC | | | | | | █ | | |
| 3P/4P | S 100kA @500VDC | | | | | | █ | | |
| 2P | F 36kA @ 500VDC | █ | | | | | | | |
| 2P | M 85kA @ 500VDC | █ | | | | | | | |
| 2P | S 100kA @ 500VDC | █ | | | | | | | |
| 2P | N 50kA @ 600VDC | | | | | | | | █ |
| 1P | F 36kA @ 250VDC | █ | | | | | | | |
| 1P | N 50kA @ 250VDC | █ | | | | | | | |
| 1P | M 85kA @ 250VDC | █ | | | | | | | |

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|----------------------|-------------|---------------------|-------------|
| 36kA | 100A | LV438003XTMDC100 | 14290 | LV438008XTMDC100 | 20335 |
| | 160A | LV438103XTMDC160 | 17585 | LV438108XTMDC160 | 23745 |
| | 250A | LV438203XTMDC250 | 21910 | LV438208XTMDC250 | 28575 |
| | 400A | LV438267 | 30550 | LV438262 | 34685 |
| | 500A | LV438268 | 36650 | LV438263 | 44795 |
| | 600A | LV438269 | 38710 | LV438264 | 46855 |
| 100kA | 100A | LV438018XTMDC100 | 17040 | LV438019XTMDC100 | 23085 |
| | 160A | LV438118XTMDC160 | 21665 | LV438119XTMDC160 | 28575 |
| | 250A | LV438218XTMDC250 | 36980 | LV438219XTMDC250 | 39030 |
| | 400A | LV438277 | 43625 | LV438272 | 53140 |
| | 500A | LV438278 | 47640 | LV438273 | 57465 |
| | 600A | LV438279 | 47640 | LV438274 | 57465 |

Note:

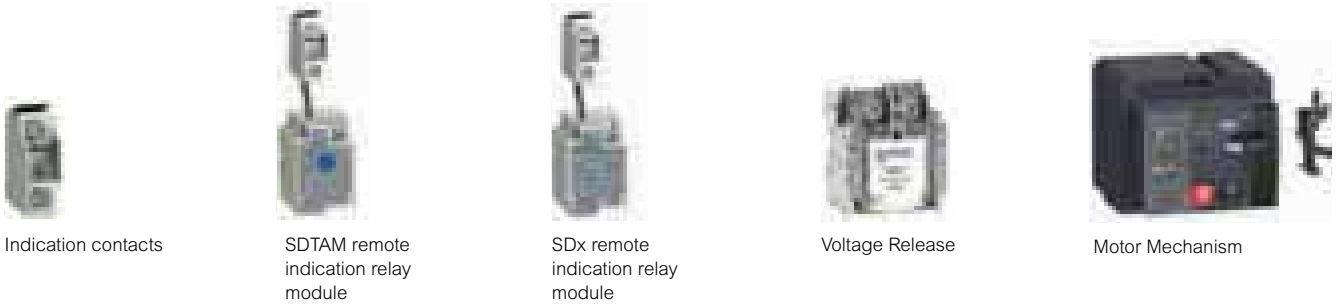
- For 1P / 2P contact customer care
- NSX 1200 prices on request



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



| Description | Reference | Unit LP [₹] |
|--|--|----------------|
| Auxiliary contacts (changeover) Multifunction | | |
| OF or SD or SDE or SDV | 29450 <input checked="" type="checkbox"/> | 820 |
| OF or SD or SDE or SDV low level | 29452 | 885 |
| SDE adaptor for trip unit TM or MA or Micrologic 2 \$\$\$ | LV429451 <input checked="" type="checkbox"/> | 640 |
| SDx 2-PROGRAMMABLE CONTACTS FOR MICROLOGIC | | |
| SDx module 24/415 V AC/DC | LV429532 | 10210 |
| SDTAM contactor tripping module for Micrologic 2- M/6 E-M | | |
| SDTAM 24/415 V AC/DC overload fault indication | LV429424 | 10580 |

\$\$\$ To be considered along with SDE contact for MCCB with TMD/MA./Micrologic 2 protection.

Voltage Releases

| Description | Shunt Release Reference | Unit LP [₹] | Undervoltage Reference | Unit LP [₹] |
|--------------------|--|----------------|--|----------------|
| AC | | | | |
| 24 V 50/60 Hz | LV429384 | 2100 | LV429404 | 2690 |
| 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 | |
| DC | | | | |
| 12 V | LV429382 | 2100 | LV429402 | 2690 |
| 24 V | LV429390 <input checked="" type="checkbox"/> | | LV429410 <input checked="" type="checkbox"/> | |
| 30 V | LV429391 | | LV429411 | |
| 48 V | LV429392 | | LV429412 | |
| 60 V | LV429383 | | LV429403 | |
| 125 V | LV429393 | | LV429413 | |
| 250 V | LV429394 | | LV429414 <input checked="" type="checkbox"/> | |

Installation Accessories

| Description | 100/160/250A Reference | Unit LP [₹] | 400/630A Reference | Unit LP [₹] |
|---|--|----------------|--|----------------|
| Spreaders & Phase Barrier | | | | |
| Spreaders (Set of 3) 3P | LV431563 <input checked="" type="checkbox"/> | 600 | 32492 <input checked="" type="checkbox"/> | 1360 |
| Spreaders (Set of 4) 4P | LV431564 <input checked="" type="checkbox"/> | 800 | 32493 <input checked="" type="checkbox"/> | 1730 |
| Phase Barrier (Set of 6) | * | - | LV432570 <input checked="" type="checkbox"/> | 685 |
| Interlocking | | | | |
| For Breaker with Rotary Handle | LV429369 | 7960 | LV432621 | 10020 |
| For Breaker with Toggle | LV429354 | 8705 | LV432614 | 10020 |
| Mechanical Interlocking with Base Plate | 29349** | 16670 | 32609** | 35115 |
| Locking of Rotary Handle | | | | |
| Locking Device | LV429344 <input checked="" type="checkbox"/> | 500 | LV432604 <input checked="" type="checkbox"/> | 685 |
| Ronis Keylock (1 Lock + 1 Key set) | 41940 <input checked="" type="checkbox"/> | 3475 | 41940 <input checked="" type="checkbox"/> | 3475 |
| Ronis Keylock (2 Locks + 1 Key set) | 41950 <input checked="" type="checkbox"/> | 6700 | 41950 <input checked="" type="checkbox"/> | 6700 |
| Profalux Keylock (1 Lock + 1 Key set) | 42888 | 5870 | 42888 | 5870 |
| Profalux Keylock (2 Locks + 1 Key set) | 42878 | 6700 | 42878 | 6700 |

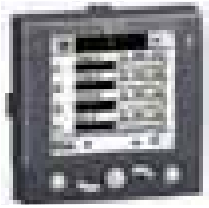
* supplied as standard with spreader

** 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. March 12, 2018



FDM121: Front Display Module



Test Battery



Power Supply Module B



SCM: Breaker Status and Control Module

Motor Mechanism

| Type | Voltage | 100/160A Reference | Unit LP [₹] | 250A Reference | Unit LP [₹] | 400/630A Reference | Unit LP [₹] | |
|--|-----------|--|-------------|--|-------------|--|-------------|-------|
| Motor Mechanism Modules with SDE adaptor ⁽¹⁾ | | | | | | | | |
| AC 50/60 Hz | 48-60 V | LV429440 | 19650 | LV431548 | 21720 | LV432639 | 30950 | |
| | 110-130 V | LV429433 | | LV431540 | | LV432640 | | |
| | 220-240 V | LV429434 <input checked="" type="checkbox"/> | | LV431541 <input checked="" type="checkbox"/> | | LV432641 <input checked="" type="checkbox"/> | | |
| | 380-415 V | LV429435 | | LV431542 | | LV432642 | | 31410 |
| | 440-480 V | LV429435 | | LV431542 | | LV432647 | | 30950 |
| DC | 24-30 V | LV429436 | 25855 | LV431543 | 28035 | LV432643 | 37055 | |
| | 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 LP [₹] | 400/630A Reference | Unit LP [₹] |
|---|------------------------|-------------|---|-------------|
| Locking of Motor Mechanism | | | | |
| Keylock adaptor + Ronis keylock (special) | LV429449 | 2595 | - | - |
| Locking Device | - | - | LV432649 | 790 |
| Ronis Keylock | - | - | 41940 <input checked="" type="checkbox"/> | 3475 |
| Profalux Keylock | - | - | 42888 | 5870 |
| Torque Limiting Screws (Set of 12) | LV429513 | 1835 | LV432513 | 2155 |

Monitoring and Control, test tools- Compact and NSX100 - 630

Monitoring and Control (Remote Operation)

| Description | Reference | Unit LP [₹] |
|--|--|-------------|
| ULP Display Module | | |
| Switchboard front display module FDM121 | TRV00121 <input checked="" type="checkbox"/> | 10685 |
| ULP Wiring Accessories | | |
| NSX cord L = 0.35 m | LV434200 | 2460 |
| NSX cord L = 1.3 m | LV434201 | 2500 |
| 5 RJ45/RJ45 MALE Cord L = 1m | TRV00810 | 2330 |
| 10 Stacking connectors for COM interface | TRV00217 | 3630 |
| ULP Communication Module | | |
| IFM MODBUS Interface Module | LV434000 | 9330 |
| BSCM (Breaker Status and Control Module) | LV434205 <input checked="" type="checkbox"/> | 7860 |
| Power Supply Modules | | |
| External power supply module 24 V DC-1 A OVC IV | | |
| 24-30 V DC | 54440 | 13530 |
| 48-60 V DC | 54441 | 13530 |
| 100-125 V AC | 54442 | 13530 |
| 110-130 V AC | 54443 | 15180 |
| 200-240 V AC | 54444 <input checked="" type="checkbox"/> | 15180 |
| 380-415 V AC | 54445 | 15180 |
| Pocket battery for Micrologic NSX100-630 | LV434206 | 15550 |

Maintenance Module for advanced configuration and testing, contact our nearest Sales office.

ULP = Universal Logic Plug

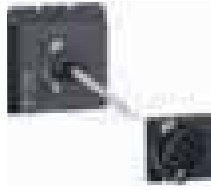
For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

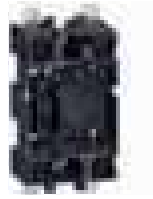
W.E.F. March 12, 2018



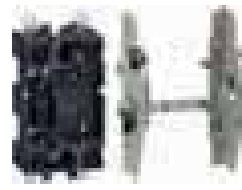
Direct Rotary Handle



Extended Rotary Handle



Plug in Base



Draw-Out Chassis Kit

| Description | 100/160/250A Reference | Unit LP [₹] | 400/630A Reference | Unit LP [₹] |
|--|--|-------------|--|-------------|
| Rotary Handles | | | | |
| Standard direct black handle | LV429337 <input checked="" type="checkbox"/> | 1070 | LV432597 <input checked="" type="checkbox"/> | 1605 |
| Standard extended rotary handle | LV429338 <input checked="" type="checkbox"/> | 1700 | LV432598 <input checked="" type="checkbox"/> | 3020 |
| Plug in Base (Complete Kit) | | | | |
| 3 Pole | LV429289 <input checked="" type="checkbox"/> | 7650 | LV432538 <input checked="" type="checkbox"/> | 17560 |
| 4 Pole | LV429290 <input checked="" type="checkbox"/> | 9900 | LV432539 <input checked="" type="checkbox"/> | 21880 |
| Draw-Out Chassis Kit | | | | |
| 3 Pole | | | | |
| Plug In base | LV429289 <input checked="" type="checkbox"/> | 7650 | LV432538 <input checked="" type="checkbox"/> | 17560 |
| Chassis Side Plate for base | LV429282 <input checked="" type="checkbox"/> | 10170 | LV432532 <input checked="" type="checkbox"/> | 12885 |
| Chassis Side Plate for breaker | LV429283 <input checked="" type="checkbox"/> | 5385 | LV432533 <input checked="" type="checkbox"/> | 7505 |
| 4 Pole | | | | |
| Plug In base | LV429290 <input checked="" type="checkbox"/> | 9900 | LV432539 <input checked="" type="checkbox"/> | 21880 |
| Chassis Side Plate for base | LV429282 <input checked="" type="checkbox"/> | 10170 | LV432532 <input checked="" type="checkbox"/> | 12885 |
| Chassis Side Plate for breaker | LV429283 <input checked="" type="checkbox"/> | 5385 | LV432533 <input checked="" type="checkbox"/> | 7505 |
| Plug In / Withdrawable version Accessories | | | | |
| Automatic Auxilliary Connectors | | | | |
| 1 9-wire fixed connector (for base) | LV429273 | 1060 | LV429273 | 1060 |
| 1 9-wire moving connector (for circuit breaker) | LV429274 | 740 | LV432523 <input checked="" type="checkbox"/> | 790 |
| 1 support for 2 moving connectors | LV429275 | 565 | LV432525 <input checked="" type="checkbox"/> | 565 |
| Manual Auxilliary Connectors | | | | |
| 9-wire manual auxiliary connector (fixed + moving) | LV429272 | 3640 | LV429272 | 3640 |

Note: Above auxiliary connectors to be used with Plug-in and Withdrawable MCCB when Auxiliary Contact, Shunt, UnderVoltage or Motor Mechanism is used.



BA controller (basic)

- Monitoring of "Normal" source & "Automatic" transfer
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to "Replacement" source (e.g. energy management commands)

UA controller (advanced)

- Monitoring of "normal" source & "Automatic" transfer
- Circuit breaker status indication on front of controller: on, off & fault trip
- Voluntary transfer to "replacement" source (e.g. energy management commands)
- Delayed (adjustable) shutdown of generator set
- Load shedding & reconnection of non-priority loads
- Transfer to "Replacement" source if one of the phases of the "Normal" phase is absent
- During peak tariff period (energy management commands) forced operation on "Normal" source if "Replacement" source not operational

With NSX100F - NSX630F 36kA 3P MCCB

| Breaker for Normal Supply | Breaker for Replacement Supply | 3P BA Controller Reference | Unit MRP [₹] | 3P UA Controller Reference | Unit MRP [₹] |
|---------------------------|--------------------------------|----------------------------|--------------|----------------------------|--------------|
| NSX100F | NSX100F | LV4A3F100100B4 | 206765 | LV4A3F100100U4 | 226275 |
| NSX160F | NSX100F | LV4A3F160100B4 | 213375 | LV4A3F160100U4 | 232875 |
| NSX160F | NSX160F | LV4A3F160160B4 | 219495 | LV4A3F160160U4 | 239005 |
| NSX250F | NSX100F | LV4A3F250100B4 | 227140 | LV4A3F250100U4 | 246645 |
| NSX250F | NSX160F | LV4A3F250160B4 | 233750 | LV4A3F250160U4 | 253260 |
| NSX250F | NSX250F | LV4A3F250250B4 | 247460 | LV4A3F250250U4 | 266970 |
| NSX400F | NSX100F | LV4A3F400100B4* | 265340 | LV4A3F400100U4* | 267965 |
| NSX400F | NSX160F | LV4A3F400160B4* | 270925 | LV4A3F400160U4* | 274015 |
| NSX400F | NSX250F | LV4A3F400250B4* | 271405 | LV4A3F400250U4* | 278130 |
| NSX400F | NSX400F | LV4A3F400400B4 | 304410 | LV4A3F400400U4 | 323905 |
| NSX630F | NSX160F | LV4A3F630160B4* | 244255 | LV4A3F630160U4* | 261655 |
| NSX630F | NSX250F | LV4A3F630250B4* | 255420 | LV4A3F630250U4* | 272810 |
| NSX630F | NSX400F | LV4A3F630400B4 | 307435 | LV4A3F630400U4 | 326945 |
| NSX630F | NSX630F | LV4A3F630630B4 | 310415 | LV4A3F630630U4 | 329920 |

With NSX100F - NSX630F 36kA 4P MCCB

| Breaker for Normal Supply | Breaker for Replacement Supply | 4P BA Controller Reference | Unit MRP [₹] | 4P UA Controller Reference | Unit MRP [₹] |
|---------------------------|--------------------------------|----------------------------|--------------|----------------------------|--------------|
| NSX100F | NSX100F | LV4A4F100100B4 | 214955 | LV4A4F100100U4 | 234450 |
| NSX160F | NSX100F | LV4A4F160100B4 | 222370 | LV4A4F160100U4 | 241875 |
| NSX160F | NSX160F | LV4A4F160160B4 | 224380 | LV4A4F160160U4 | 243885 |
| NSX250F | NSX100F | LV4A4F250100B4 | 238510 | LV4A4F250100U4 | 258015 |
| NSX250F | NSX160F | LV4A4F250160B4 | 245885 | LV4A4F250160U4 | 265390 |
| NSX250F | NSX250F | LV4A4F250250B4 | 249550 | LV4A4F250250U4 | 267300 |
| NSX400F | NSX100F | LV4A4F400100B4* | 265740 | LV4A4F400100U4* | 268830 |
| NSX400F | NSX160F | LV4A4F400160B4* | 272950 | LV4A4F400160U4* | 275300 |
| NSX400F | NSX250F | LV4A4F400250B4* | 275010 | LV4A4F400250U4* | 284735 |
| NSX400F | NSX400F | LV4A4F400400B4 | 317405 | LV4A4F400400U4 | 336915 |
| NSX630F | NSX160F | LV4A4F630160B4* | 265175 | LV4A4F630160U4* | 282575 |
| NSX630F | NSX250F | LV4A4F630250B4* | 277320 | LV4A4F630250U4* | 294705 |
| NSX630F | NSX400F | LV4A4F630400B4 | 328625 | LV4A4F630400U4 | 348130 |
| NSX630F | NSX630F | LV4A4F630630B4 | 339790 | LV4A4F630630U4 | 359295 |

* Downstream coupling accessories are not available.

Note:

Each reference consists of:

- 2 MCCBs with Motor mechanism & Standard Trip Units.
- 4 Auxiliary contacts 2OF + 2SDE
- 1 Base Plate with IVE unit for mechanical & electrical interlocking
- 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size
- Control Unit UA or BA

ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.

ATS with MCCBs of other breaking capacities & other versions of trip units can also be supplied. Prices available on request.

Above given references with BA/UA controller are suitable for 415VAC control supply.

UA controller with 220/240V AC is not available

Replace suffix "4" by "2" for BA controller with 220/240V AC control supply.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



BA controller (basic)

- Monitoring of "Normal" source & "Automatic" transfer
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to "Replacement" source (e.g. energy management commands)

UA controller (advanced)

- Monitoring of "Normal" source & "Automatic" transfer.
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to "Replacement" source (e.g. energy management commands)
- Delayed (adjustable) shutdown of generator set.
- Load shedding & reconnection of non-priority loads.
- Transfer to "Replacement" source if one of the phases of the "Normal" phase is absent
- During peak tariff period (energy management commands) forced operation on "Normal" source if "Replacement" source not operational

With NSX100N - NSX630N 50kA 3P MCCB

| Breaker for Normal Supply | Breaker for Replacement Supply | 3P BA Controller Reference | Unit MRP [₹] | 3P UA Controller Reference | Unit MRP [₹] |
|---------------------------|--------------------------------|----------------------------|--------------|----------------------------|--------------|
| NSX100N | NSX100N | LV4A3N100100B4 | 210565 | LV4A3N100100U4 | 230075 |
| NSX160N | NSX100N | LV4A3N160100B4 | 219010 | LV4A3N160100U4 | 238510 |
| NSX160N | NSX160N | LV4A3N160160B4 | 223245 | LV4A3N160160U4 | 242745 |
| NSX250N | NSX100N | LV4A3N250100B4 | 229310 | LV4A3N250100U4 | 248820 |
| NSX250N | NSX160N | LV4A3N250160B4 | 237755 | LV4A3N250160U4 | 257255 |
| NSX250N | NSX250N | LV4A3N250250B4 | 248110 | LV4A3N250250U4 | 267605 |
| NSX400N | NSX100N | LV4A3N400100B4* | 266100 | LV4A3N400100U4* | 268500 |
| NSX400N | NSX160N | LV4A3N400160B4* | 271500 | LV4A3N400160U4* | 275200 |
| NSX400N | NSX250N | LV4A3N400250B4* | 273500 | LV4A3N400250U4* | 278500 |
| NSX400N | NSX400N | LV4A3N400400B4 | 308300 | LV4A3N400400U4 | 327810 |
| NSX630N | NSX160N | LV4A3N630160B4* | 251685 | LV4A3N630160U4* | 269080 |
| NSX630N | NSX250N | LV4A3N630250B4* | 260415 | LV4A3N630250U4* | 277805 |
| NSX630N | NSX400N | LV4A3N630400B4 | 312865 | LV4A3N630400U4 | 332365 |
| NSX630N | NSX630N | LV4A3N630630B4 | 317405 | LV4A3N630630U4 | 336915 |

With NSX100N - NSX630N 50kA 4P MCCB

| Breaker for Normal Supply | Breaker for Replacement Supply | 4P BA Controller Reference | Unit MRP [₹] | 4P UA Controller Reference | Unit MRP [₹] |
|---------------------------|--------------------------------|----------------------------|--------------|----------------------------|--------------|
| NSX100N | NSX100N | LV4A4N100100B4 | 218085 | LV4A4N100100U4 | 237595 |
| NSX160N | NSX100N | LV4A4N160100B4 | 225560 | LV4A4N160100U4 | 245070 |
| NSX160N | NSX160N | LV4A4N160160B4 | 225995 | LV4A4N160160U4 | 245505 |
| NSX250N | NSX100N | LV4A4N250100B4 | 240475 | LV4A4N250100U4 | 259975 |
| NSX250N | NSX160N | LV4A4N250160B4 | 247945 | LV4A4N250160U4 | 267450 |
| NSX250N | NSX250N | LV4A4N250250B4 | 262785 | LV4A4N250250U4 | 268855 |
| NSX400N | NSX100N | LV4A4N400100B4* | 268200 | LV4A4N400100U4* | 274005 |
| NSX400N | NSX160N | LV4A4N400160B4* | 273200 | LV4A4N400160U4* | 280615 |
| NSX400N | NSX250N | LV4A4N400250B4* | 275465 | LV4A4N400250U4* | 292875 |
| NSX400N | NSX400N | LV4A4N400400B4 | 329665 | LV4A4N400400U4 | 349160 |
| NSX630N | NSX160N | LV4A4N630160B4* | 272705 | LV4A4N630160U4* | 290100 |
| NSX630N | NSX250N | LV4A4N630250B4* | 284950 | LV4A4N630250U4* | 302350 |
| NSX630N | NSX400N | LV4A4N630400B4 | 340325 | LV4A4N630400U4 | 359835 |
| NSX630N | NSX630N | LV4A4N630630B4 | 350995 | LV4A4N630630U4 | 370515 |

* Downstream coupling accessories are not available.

Note:

Each reference consists of:

- 2 MCCBs with Motor mechanism & Standard Trip Units.
- 4 Auxiliary contacts 2OF + 2SDE
- 1 Base Plate with IVE unit for mechanical & electrical interlocking
- 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size.
- Control Unit UA or BA

ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.

ATS with MCCBs of other breaking capacities & other versions of trip units can also be supplied. Prices available on request.

Above given references with BA/UA controller are suitable for 415V AC control supply.

UA controller with 220/240V AC is not available

Replace suffix "4" by "2" for BA controller with 220/240V AC control supply.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Compact NS

Simply A Step Ahead

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
- Breaking Capacity upto 150kA



2 sizes:

from 800 to 3200A



Compact NS800A to 1600



Compact NS1600b to 3200



Micrologic without Display

Micrologic A

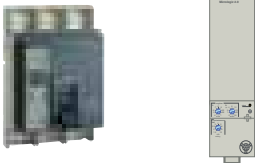
Micrologic E

Micrologic P

| | | | | | |
|-----------------|--------|-------|--------|--------|--------|
| LB 200kA | ■ | ■ | | | |
| L 150kA | ■ | ■ | ■ | | |
| H 70kA | ■ | ■ | ■ | ■ | ■ |
| n 50kA | ■ | ■ | ■ | ■ | ■ |
| | NS630b | NS800 | NS1000 | NS1250 | NS1600 |

| | | | | |
|---------------|---------|--------|--------|--------|
| H 85kA | ■ | ■ | ■ | ■ |
| N 70kA | ■ | ■ | ■ | ■ |
| | NS1600b | NS2300 | NS2500 | NS3200 |

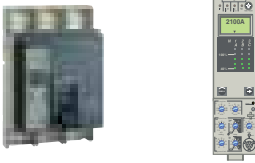
With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



With Micrologic 2.0 Manual Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (Instantaneous) 1.5 - 10 x Ir

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---|----------------------|--|----------------|--|----------------|
| With Direct Rotary Handle | | | | | |
| 50kA | 800 | INA_3P33466D <input checked="" type="checkbox"/> | 59570 | INA_4P33469D | 77930 |
| | 1000 | INA_3P33472D | 76460 | INA_4P33475D | 110940 |
| | 1250 | INA_3P33478D | 95340 | INA_4P33480D | 146210 |
| 70kA | 800 | INA_3P33467D | 72810 | INA_4P33470D | 93060 |
| | 1000 | INA_3P33473D | 96340 | INA_4P33476D | 144850 |
| | 1250 | INA_3P33479D | 120210 | INA_4P33481D | 159560 |
| With Extended Rotary Handle | | | | | |
| 50kA | 800 | INA_3P33466E <input checked="" type="checkbox"/> | 63190 | INA_4P33469E <input checked="" type="checkbox"/> | 82100 |
| | 1000 | INA_3P33472E <input checked="" type="checkbox"/> | 82190 | INA_4P33475E <input checked="" type="checkbox"/> | 118370 |
| | 1250 | INA_3P33478E <input checked="" type="checkbox"/> | 98080 | INA_4P33480E | 149470 |
| 70kA | 800 | INA_3P33467E | 76820 | INA_4P33470E | 97680 |
| | 1000 | INA_3P33473E | 100950 | INA_4P33476E | 151040 |
| | 1250 | INA_3P33479E | 120840 | INA_4P33481E | 166140 |



With Micrologic 6.0.A Manual Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---|----------------------|-------------------------|----------------|------------------------|----------------|
| With Direct Rotary Handle | | | | | |
| 50kA | 800 | INA_3P96466D | 84380 | INA_4P96469D | 102740 |
| | 1000 | INA_3P96472D | 101260 | INA_4P96475D | 135750 |
| | 1250 | INA_3P96478D | 118770 | INA_4P96480D | 168650 |
| 70kA | 800 | INA_3P96467D | 97620 | INA_4P96470D | 117870 |
| | 1000 | INA_3P96473D | 121140 | INA_4P96476D | 169670 |
| | 1250 | INA_3P96479D | 143160 | INA_4P96481D | 184370 |
| With Extended Rotary Handle | | | | | |
| 50kA | 800 | INA_3P96466E | 88640 | INA_4P96469E | 107640 |
| | 1000 | INA_3P96472E | 106090 | INA_4P96475E | 153145 |
| | 1250 | INA_3P96478E | 121720 | INA_4P96480E | 170390 |
| 70kA | 800 | INA_3P96467E | 102370 | INA_4P96470E | 123230 |
| | 1000 | INA_3P96473E | 126500 | INA_4P96476E | 176550 |
| | 1250 | INA_3P96479E | 144950 | INA_4P96481E | 189790 |

Remarks: Trip Unit Micrologic 6.0.A

| Parameter | Description | Setting |
|-----------|-------------------------------------|---|
| Ir | Adjustable Overload Current | 0.4 - 1 x In |
| tr | Adjustable Overload time delay | 0.5 - 24 sec |
| Isd | Adjustable Short Circuit Current | 1.5 - 10 x Ir |
| tsd | Adjustable Short Circuit time delay | 0.1 - 0.4sec & OFF (I ² t ON/OFF) |
| Ii | Adjustable Instantaneous Current | 2 - 15 x In & OFF |
| Ig | Adjustable Earth Fault Current | 0.2 - In (for <1250A) / 500 - 1200A (for >=1250A) |
| tg | Adjustable Earth Fault time delay | 0.1 - 0.4sec & OFF (I ² t ON/OFF) |

Display shows readings of I1,I2,I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed.

LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office

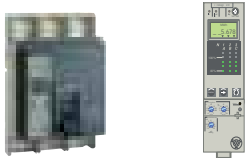
Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

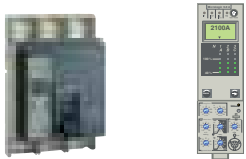
With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



With Micrologic 2.0E Manual Fixed (With Embedded Energy Metering)

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Communication option & M2C programmable contacts
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (Instantaneous) 1.5 - 10 x Ir

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---|----------------------|-------------------------|----------------|------------------------|----------------|
| With Direct Rotary Handle | | | | | |
| 50kA | 800 | INA_8N3PFM2ED1 | 87180 | INA_8N4PFM2ED1 | 101220 |
| | 1000 | INA_10N3PFM2ED1 | 99635 | INA_10N4PFM2ED1 | 145820 |
| | 1250 | INA_12N3PFM2ED1 | 123700 | INA_12N4PFM2ED1 | 179710 |
| 70kA | 800 | INA_8H3PFM2ED1 | 102180 | INA_8H4PFM2ED1 | 125400 |
| | 1000 | INA_10H3PFM2ED1 | 129030 | INA_10H4PFM2ED1 | 184670 |
| | 1250 | INA_12H3PFM2ED1 | 151140 | INA_12H4PFM2ED1 | 201470 |
| With Extended Rotary Handle | | | | | |
| 50kA | 800 | INA_8N3PFM2EE1 | 89160 | INA_8N4PFM2EE1 | 103045 |
| | 1000 | INA_10N3PFM2EE1 | 108605 | INA_10N4PFM2EE1 | 147780 |
| | 1250 | INA_12N3PFM2EE1 | 136600 | INA_12N4PFM2EE1 | 182095 |
| 70kA | 800 | INA_8H3PFM2EE1 | 104385 | INA_8H4PFM2EE1 | 127310 |
| | 1000 | INA_10H3PFM2EE1 | 131060 | INA_10H4PFM2EE1 | 186630 |
| | 1250 | INA_12H3PFM2EE1 | 153130 | INA_12H4PFM2EE1 | 203490 |



With Micrologic 6.0E Manual Fixed (With Embedded Energy Metering)

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---|----------------------|-------------------------|----------------|------------------------|----------------|
| With Direct Rotary Handle | | | | | |
| 50kA | 800 | INA_8N3PFM6ED1 | 92300 | INA_8N4PFM6ED1 | 117670 |
| | 1000 | INA_10N3PFM6ED1 | 125260 | INA_10N4PFM6ED1 | 163835 |
| | 1250 | INA_12N3PFM6ED1 | 141615 | INA_12N4PFM6ED1 | 191780 |
| 70kA | 800 | INA_8H3PFM6ED1 | 116400 | INA_8H4PFM6ED1 | 141710 |
| | 1000 | INA_10H3PFM6ED1 | 148270 | INA_10H4PFM6ED1 | 204450 |
| | 1250 | INA_12H3PFM6ED1 | 170520 | INA_12H4PFM6ED1 | 221480 |
| With Extended Rotary Handle | | | | | |
| 50kA | 800 | INA_8N3PFM6EE1 | 97965 | INA_8N4PFM6EE1 | 119555 |
| | 1000 | INA_10N3PFM6EE1 | 126220 | INA_10N4PFM6EE1 | 165750 |
| | 1250 | INA_12N3PFM6EE1 | 143585 | INA_12N4PFM6EE1 | 195770 |
| 70kA | 800 | INA_8H3PFM6EE1 | 117360 | INA_8H4PFM6EE1 | 143800 |
| | 1000 | INA_10H3PFM6EE1 | 150190 | INA_10H4PFM6EE1 | 206450 |
| | 1250 | INA_12H3PFM6EE1 | 172550 | INA_12H4PFM6EE1 | 221515 |

Remarks: Trip Unit Micrologic 6.0E

| Parameter | Description | Setting |
|-----------------|-------------------------------------|--|
| Ir | Adjustable Overload Current | 0.4 - 1 x In |
| tr | Adjustable Overload time delay | 0.5 - 24 sec |
| I _{sd} | Adjustable Short Circuit Current | 1.5 - 10 x Ir |
| t _{sd} | Adjustable Short Circuit time delay | 0.1 - 0.4sec & OFF (I _t ON/OFF) |
| I _i | Adjustable Instantaneous Current | 2 - 15 x In & OFF |
| I _g | Adjustable Earth Fault Current | 0.2 - In (for <1250A) / 500 - 1200A (for ≥1250A) |
| t _g | Adjustable Earth Fault time delay | 0.1 - 0.4sec & OFF (I _t ON/OFF) |

Display shows readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed. LED bargraph shows the % loading on each phase

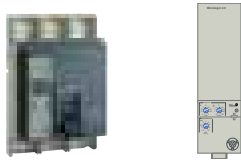
Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office. Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

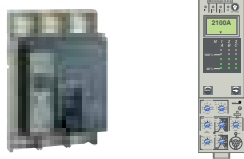
With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



With Micrologic 2.0 Electrical Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (instantaneous) 1.5 - 10 x Ir

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---|----------------------|-------------------------|----------------|------------------------|----------------|
| For Control Voltage 220/240V AC | | | | | |
| 50kA | 800 | INA_3P93280_20 | 107750 | INA_4P93284_20 | 122375 |
| | 1000 | INA_3P93290_20 | 126815 | INA_4P93294_20 | 165645 |
| | 1250 | INA_3P93300_20 | 143850 | INA_4P93304_20 | 198925 |
| 70kA | 800 | INA_3P93281_20 | 122705 | INA_4P93285_20 | 145560 |
| | 1000 | INA_3P93291_20 | 149145 | INA_4P93295_20 | 203840 |
| | 1250 | INA_3P93301_20 | 170830 | INA_4P93305_20 | 220350 |
| For Control Voltage 415V AC | | | | | |
| 50kA | 800 | INA_3P93280_40 | 107750 | INA_4P93284_40 | 122375 |
| | 1000 | INA_3P93290_40 | 126815 | INA_4P93294_40 | 165645 |
| | 1250 | INA_3P93300_40 | 143850 | INA_4P93304_40 | 198925 |
| 70kA | 800 | INA_3P93281_40 | 122705 | INA_4P93285_40 | 145560 |
| | 1000 | INA_3P93291_40 | 149145 | INA_4P93295_40 | 203840 |
| | 1250 | INA_3P93301_40 | 170830 | INA_4P93305_40 | 220350 |



With Micrologic 6.0.A Electrical Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|---|----------------------|-------------------------|----------------|------------------------|----------------|
| For Control Voltage 220/240V AC | | | | | |
| 50kA | 800 | INA_3P96280_20 | 135685 | INA_4P96284_20 | 156345 |
| | 1000 | INA_3P96290_20 | 154750 | INA_4P96294_20 | 193590 |
| | 1250 | INA_3P96300_20 | 165175 | INA_4P96304_20 | 218125 |
| 70kA | 800 | INA_3P96281_20 | 150640 | INA_4P96285_20 | 173495 |
| | 1000 | INA_3P96291_20 | 177070 | INA_4P96295_20 | 231775 |
| | 1250 | INA_3P96301_20 | 198760 | INA_4P96305_20 | 248275 |
| For Control Voltage 415V AC | | | | | |
| 50kA | 800 | INA_3P96280_40 | 135685 | INA_4P96284_40 | 156345 |
| | 1000 | INA_3P96290_40 | 154750 | INA_4P96294_40 | 193590 |
| | 1250 | INA_3P96300_40 | 165175 | INA_4P96304_40 | 218125 |
| 70kA | 800 | INA_3P96281_40 | 150640 | INA_4P96285_40 | 173495 |
| | 1000 | INA_3P96291_40 | 177070 | INA_4P96295_40 | 231775 |
| | 1250 | INA_3P96301_40 | 198760 | INA_4P96305_40 | 248275 |

Remarks: Trip Unit Micrologic 6.0.A

| Parameter | Description | Setting |
|-----------|-------------------------------------|---|
| Ir | Adjustable Overload Current | 0.4 - 1 x In |
| tr | Adjustable Overload time delay | 0.5 - 24 sec |
| Iscd | Adjustable Short Circuit Current | 1.5 - 10 x Ir |
| tsd | Adjustable Short Circuit time delay | 0.1 - 0.4sec & OFF (I ² t ON/OFF) |
| Ii | Adjustable Instantaneous Current | 2 - 15 x In & OFF |
| Ig | Adjustable Earth Fault Current | 0.2 - In (for <1250A) / 500 - 1200A (for >=1250A) |
| tg | Adjustable Earth Fault time delay | 0.1 - 0.4sec & OFF (I ² t ON/OFF) |

Display shows Readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed.
LED bargraph shows the % loading on each phase

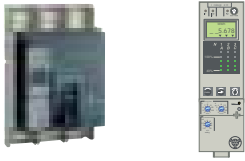
Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office
Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



With Micrologic 2.0E Electrical Fixed (With Embedded Energy Metering)

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (instantaneous) 1.5 - 10 x Ir

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|-------------------|----------------------|-------------|---------------------|-------------|
| For Control Voltage 220/240V AC | | | | | |
| 50kA | 800 | INA_8N3PFE2E0120 | 128390 | INA_8N4PFE2E0120 | 149725 |
| | 1000 | INA_10N3PFE2E0120 | 147690 | INA_10N4PFE2E0120 | 187230 |
| | 1250 | INA_12N3PFE2E0120 | 165440 | INA_12N4PFE2E0120 | 221070 |
| 70kA | 800 | INA_8H3PFE2E0120 | 141080 | INA_8H4PFE2E0120 | 166760 |
| | 1000 | INA_10H3PFE2E0120 | 170440 | INA_10H4PFE2E0120 | 226030 |
| | 1250 | INA_12H3PFE2E0120 | 192460 | INA_12H4PFE2E0120 | 242810 |
| For Control Voltage 415V AC | | | | | |
| 50kA | 800 | INA_8N3PFE2E0140 | 128390 | INA_8N4PFE2E0140 | 149725 |
| | 1000 | INA_10N3PFE2E0140 | 147690 | INA_10N4PFE2E0140 | 187230 |
| | 1250 | INA_12N3PFE2E0140 | 165440 | INA_12N4PFE2E0140 | 221070 |
| 70kA | 800 | INA_8H3PFE2E0140 | 141080 | INA_8H4PFE2E0140 | 166760 |
| | 1000 | INA_10H3PFE2E0140 | 170440 | INA_10H4PFE2E0140 | 226030 |
| | 1250 | INA_12H3PFE2E0140 | 192460 | INA_12H4PFE2E0140 | 242810 |

With Micrologic 6.0E Electrical Fixed (With Embedded Energy Metering)

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N, unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep,Eq,Es)
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current [A] | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|-------------------|----------------------|-------------|---------------------|-------------|
| For Control Voltage 220/240V AC | | | | | |
| 50kA | 800 | INA_8N3PFE6E0120 | 145930 | INA_8N4PFE6E0120 | 162485 |
| | 1000 | INA_10N3PFE6E0120 | 165330 | INA_10N4PFE6E0120 | 204750 |
| | 1250 | INA_12N3PFE6E0120 | 182640 | INA_12N4PFE6E0120 | 239200 |
| 70kA | 800 | INA_8H3PFE6E0120 | 161170 | INA_8H4PFE6E0120 | 184360 |
| | 1000 | INA_10H3PFE6E0120 | 188030 | INA_10H4PFE6E0120 | 243620 |
| | 1250 | INA_12H3PFE6E0120 | 210090 | INA_12H4PFE6E0120 | 260450 |
| For Control Voltage 415V AC | | | | | |
| 50kA | 800 | INA_8N3PFE6E0140 | 145930 | INA_8N4PFE6E0140 | 162485 |
| | 1000 | INA_10N3PFE6E0140 | 165330 | INA_10N4PFE6E0140 | 204750 |
| | 1250 | INA_12N3PFE6E0140 | 182640 | INA_12N4PFE6E0140 | 239200 |
| 70kA | 800 | INA_8H3PFE6E0140 | 161170 | INA_8H4PFE6E0140 | 184360 |
| | 1000 | INA_10H3PFE6E0140 | 188030 | INA_10H4PFE6E0140 | 243620 |
| | 1250 | INA_12H3PFE6E0140 | 210090 | INA_12H4PFE6E0140 | 260450 |

Accessories

For Compact NS800 - 1600A

| Type | Voltage | Shunt Release Reference | Unit LP [₹] | Undervoltage Reference | Unit LP [₹] |
|-------------------------|-----------|---|-------------|---|-------------|
| Voltage Releases | | | | | |
| AC 50/60 Hz | 24 V | 33659 | 5100 | 33668 | 5200 |
| | 48 V | 33660 | 5100 | 33669 | 5200 |
| | 110-130 V | 33661 <input checked="" type="checkbox"/> | 5100 | 33670 | 5200 |
| | 220-240 V | 33662 <input checked="" type="checkbox"/> | 5100 | 33671 <input checked="" type="checkbox"/> | 5200 |
| | 380-415 V | 33664 | 5100 | 33673 <input checked="" type="checkbox"/> | 5200 |
| DC | 24 V | 33659 | 5100 | 33668 | 5200 |
| | 48 V | 33660 | 5100 | 33669 | 5200 |
| | 125 V | 33661 <input checked="" type="checkbox"/> | 5100 | 33670 | 5200 |
| | 250 V | 33662 <input checked="" type="checkbox"/> | 5100 | 33671 <input checked="" type="checkbox"/> | 5200 |

| Description | NS800 to 1600 Reference | Unit LP [₹] |
|-------------------------|---|-------------|
| Spreaders (Set of 3) 3P | 33622 <input checked="" type="checkbox"/> | 8500 |
| Spreaders (Set of 4) 4P | 33623 <input checked="" type="checkbox"/> | 10580 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

The easy choice for quality and value

EasyPact CVS

LV circuit breakers from 16A to 800A



Safe



Reliable



Simple

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
- 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
- Suitable for isolation

Range Details:

- Breaking capacity 25kA to 50kA, $I_{cs} = 100\% I_{cu}$
- TMD & Microprocessor trip units (400 & 630A) are available
- 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 [₹] |
|--|---------------|----------------------|--------------|---------------------|--------------|
| EasyPact CVS 100 BS Overload Setting (Ir) 0.8 - 1 x In | | | | | |
| 25kA* | 16A | LV510930 | 5740 | LV510950 | 7780 |
| | 20A | LV510931 | 5740 | LV510951 | 7780 |
| | 25A | LV510932 | 5740 | LV510952 | 7780 |
| | 32A | LV510933 | 5740 | LV510953 | 7780 |
| | 40A | LV510934 | 5740 | LV510954 | 7780 |
| | 50A | LV510935 | 5740 | LV510955 | 7780 |
| | 63A | LV510936 | 5740 | LV510956 | 7780 |
| | 80A | LV510937 | 5740 | LV510957 | 7780 |
| | 100A | LV510938 | 5740 | LV510958 | 7780 |

Accessories

| Description | CVS100BS Reference | Unit LP [₹] |
|--|---|-------------|
| Auxiliary contacts (changeover) Multifunction | | |
| Auxiliary Switch 1 C/O | EZAUX10 <input checked="" type="checkbox"/> | 740 |
| Alarm Switch 1 C/O | EZAUX01 | 740 |
| Alarm - Auxiliary Switch | EZAUX11 <input checked="" type="checkbox"/> | 1105 |
| Spreaders | | |
| Spreaders *(Set Of 3) 3P | EZASPDR3P <input checked="" type="checkbox"/> | 300 |
| Spreaders *(Set Of 4) 4P | EZASPDR4P <input checked="" type="checkbox"/> | 400 |
| Rotary Handle | | |
| Direct Rotary handle | EZAROTDS <input checked="" type="checkbox"/> | 1055 |
| Extended Rotary handle | EZAROTE | 1580 |
| Shunt Release | | |
| AC | | |
| 100-130 V | EZASHT100AC | 1580 |
| 200-277 V | EZASHT200AC <input checked="" type="checkbox"/> | 1580 |
| 380-480 V | EZASHT380AC | 1580 |
| DC | | |
| 24 V | EZASHT024DC | 1580 |
| 48 V | EZASHT048DC | 1580 |

*Ics=17kA

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

• 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 [₹] |
|---|---------------|--|--------------|--|--------------|
| EasyPact CVS 100 to 630A Overload Setting (Ir) 0.7 - 1 x In | | | | | |
| 25kA | 16A | LV510300 <input checked="" type="checkbox"/> | 6250 | LV510310 | 8640 |
| | 25A | LV510301 <input checked="" type="checkbox"/> | 6250 | LV510311 <input checked="" type="checkbox"/> | 8640 |
| | 32A | LV510302 <input checked="" type="checkbox"/> | 6250 | LV510312 <input checked="" type="checkbox"/> | 8640 |
| | 40A | LV510303 <input checked="" type="checkbox"/> | 6250 | LV510313 <input checked="" type="checkbox"/> | 8640 |
| | 50A | LV510304 <input checked="" type="checkbox"/> | 6250 | LV510314 | 8640 |
| | 63A | LV510305 <input checked="" type="checkbox"/> | 6250 | LV510315 <input checked="" type="checkbox"/> | 8640 |
| | 80A | LV510306 <input checked="" type="checkbox"/> | 6250 | LV510316 <input checked="" type="checkbox"/> | 8640 |
| | 100A | LV510307 <input checked="" type="checkbox"/> | 6250 | LV510317 <input checked="" type="checkbox"/> | 8640 |
| | 125A | LV516302 <input checked="" type="checkbox"/> | 9030 | LV516312 <input checked="" type="checkbox"/> | 10940 |
| | 160A | LV516303 <input checked="" type="checkbox"/> | 11780 | LV516313 <input checked="" type="checkbox"/> | 13980 |
| | 200A | LV525302 <input checked="" type="checkbox"/> | 15750 | LV525312 | 19360 |
| Breaking Capacity as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
| 25kA | 250A | LV525303 <input checked="" type="checkbox"/> | 18200 | LV525313 | 22120 |

| Breaking Capacity as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---|---------------|--|--------------|--|--------------|
| EasyPact CVS 100 to 630A Overload Setting (Ir) 0.7 - 1 x In | | | | | |
| 36kA | 16A | LV510330 <input checked="" type="checkbox"/> | 8810 | LV510340 | 10940 |
| | 25A | LV510331 <input checked="" type="checkbox"/> | 8810 | LV510341 | 10940 |
| | 32A | LV510332 <input checked="" type="checkbox"/> | 8810 | LV510342 <input checked="" type="checkbox"/> | 10940 |
| | 40A | LV510333 <input checked="" type="checkbox"/> | 8810 | LV510343 <input checked="" type="checkbox"/> | 10940 |
| | 50A | LV510334 <input checked="" type="checkbox"/> | 8810 | LV510344 | 10940 |
| | 63A | LV510335 <input checked="" type="checkbox"/> | 8810 | LV510345 <input checked="" type="checkbox"/> | 10940 |
| | 80A | LV510336 <input checked="" type="checkbox"/> | 8810 | LV510346 | 10940 |
| | 100A | LV510337 <input checked="" type="checkbox"/> | 8810 | LV510347 <input checked="" type="checkbox"/> | 11300 |
| | 125A | LV516332 <input checked="" type="checkbox"/> | 9630 | LV516342 | 11930 |
| | 160A | LV516333 <input checked="" type="checkbox"/> | 12950 | LV516343 | 15310 |
| | 200A | LV525332 | 18010 | LV525342 <input checked="" type="checkbox"/> | 22400 |
| Breaking Capacity as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
| 36kA | 250A | LV525333 | 19600 | LV525343 <input checked="" type="checkbox"/> | 23960 |
| | 320A | LV540305 | 25100 | LV540308 <input checked="" type="checkbox"/> | 31760 |
| | 400A | LV540306 | 25330 | LV540309 <input checked="" type="checkbox"/> | 32050 |
| | 500A | LV563305 <input checked="" type="checkbox"/> | 27950 | LV563308 <input checked="" type="checkbox"/> | 34870 |
| | 630A** | LV563306 <input checked="" type="checkbox"/> | 30620 | LV563309 <input checked="" type="checkbox"/> | 37910 |

| 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"/> | 11560 | LV510480 | 14210 |
| | 25A | LV510471 | 11560 | LV510481 | 14210 |
| | 32A | LV510472 <input checked="" type="checkbox"/> | 11560 | LV510482 <input checked="" type="checkbox"/> | 14210 |
| | 40A | LV510473 | 11560 | LV510483 | 14210 |
| | 50A | LV510474 | 11560 | LV510484 | 14210 |
| | 63A | LV510475 <input checked="" type="checkbox"/> | 11560 | LV510485 <input checked="" type="checkbox"/> | 14210 |
| | 80A | LV510476 <input checked="" type="checkbox"/> | 11560 | LV510486 | 14210 |
| | 100A | LV510477 <input checked="" type="checkbox"/> | 11560 | LV510487 <input checked="" type="checkbox"/> | 14210 |
| | 125A | LV516462 <input checked="" type="checkbox"/> | 14890 | LV516467 | 16290 |
| | 160A | LV516463 <input checked="" type="checkbox"/> | 15500 | LV516468 | 18460 |
| | 200A | LV525452 | 20150 | LV525457 <input checked="" type="checkbox"/> | 25200 |
| Breaking Capacity as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
| 50kA | 250A | LV525453 | 21660 | LV525458 <input checked="" type="checkbox"/> | 26580 |
| | 320A | LV540315 <input checked="" type="checkbox"/> | 25610 | LV540318 | 32010 |
| | 400A | LV540316 <input checked="" type="checkbox"/> | 26120 | LV540319 <input checked="" type="checkbox"/> | 32650 |
| | 500A | LV563315 <input checked="" type="checkbox"/> | 30300 | LV563318 | 38230 |
| | 630A** | LV563316 <input checked="" type="checkbox"/> | 31990 | LV563319 <input checked="" type="checkbox"/> | 40690 |

Note:

- EasyPact CVS can also be used for DC network protection (from 16-630A TMD)
- For performance and other details contact our nearest Sales Office.
- **630A @ 30°C & 600A @ 40°C for TMD630A MCCB

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

EasyPact CVS 800A with Thermal Magnetic type trip unit.



- Ics = 100% Icu as per IEC 60947-2
- TMD type Trip Unit
- Adjustable overload from 0.8 - 1 x In
- Adjustable short circuit for each phase from 3.5 - 10 x Ir

| Breaking Capacity Ics as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|--|-------------|--|-------------|
| 36kA | 800A | LV580300 <input checked="" type="checkbox"/> | 49310 | LV580301 <input checked="" type="checkbox"/> | 53210 |
| 50kA | 800A | LV580302 <input checked="" type="checkbox"/> | 54530 | LV580303 <input checked="" type="checkbox"/> | 60440 |

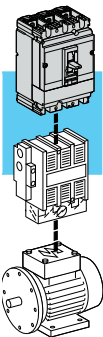
EasyPact CVS 400 to 630A With Microprocessor Based Trip Unit



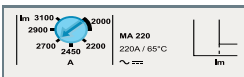
- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.5 to 1*In
- Adjustable Short Circuit from 2 to 10*Ir
- Adjustable Neutral Protection - N, N/2, OFF for 4 Pole MCCB
- Inbuilt Thermal Memory

| Breaking Capacity Ics as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
|--|---------------|--|-------------|--|-------------|
| 36 kA | 400A | LV540505 <input checked="" type="checkbox"/> | 28790 | LV540506 <input checked="" type="checkbox"/> | 35540 |
| | 630A | LV563505 <input checked="" type="checkbox"/> | 31650 | LV563506 <input checked="" type="checkbox"/> | 42000 |
| 50 kA | 400A | LV540510 <input checked="" type="checkbox"/> | 31460 | LV540511 <input checked="" type="checkbox"/> | 40160 |
| | 630A | LV563510 <input checked="" type="checkbox"/> | 34430 | LV563511 <input checked="" type="checkbox"/> | 44600 |

Moulded Case Circuit Breakers for Motor Protection
Breaking Capacity 50kA, Ics=Icu



| Current Rating | 2.5 | 6.3 | 12.5 | 25 | 50 | 100 | 150 | 220 | 320 | 500 | |
|----------------|---------|-----|------|----|----|-----|---------|-----|---------|---------|--|
| CVS 100 | 6..14In | | | | | | | | | | |
| CVS 160/250 | | | | | | | 9..14In | | | | |
| CVS 400 | | | | | | | | | 6..13In | | |
| CVS 630 | | | | | | | | | | 6..13In | |



| | |
|---------|-------------|
| 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 | 7560 |
| | 6.3A | LV510451 | 7560 |
| | 12.5A | LV510452 <input checked="" type="checkbox"/> | 7980 |
| | 25A | LV510453 <input checked="" type="checkbox"/> | 10730 |
| | 50A | LV510454 <input checked="" type="checkbox"/> | 10780 |
| | 100A | LV510455 <input checked="" type="checkbox"/> | 10850 |
| | 150A | LV516451 <input checked="" type="checkbox"/> | 13870 |
| Breaking Capacity Ics as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit LP [₹] |
| 50kA | 220A | LV525442 <input checked="" type="checkbox"/> | 15640 |
| | 320A | LV540552 <input checked="" type="checkbox"/> | 23200 |
| | 500A | LV563552 | 29000 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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 | 5450 | LV510426 | 6900 |
| 160A | LV516425 | 6500 | LV516426 | 8170 |
| Rated Current | Three Pole Reference | Unit LP [₹] | Four Pole Reference | Unit LP [₹] |
| 250A | LV525425 | 13620 | LV525426 | 18130 |
| 400A | LV540400 | 19970 | LV540401 | 25420 |
| 630A | LV563400 | 22700 | LV563401 | 30520 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



Indication contacts



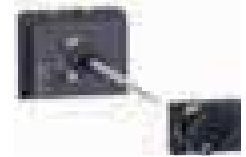
Voltage Release



Padlocking accessory



Direct Rotary Handle



Extended Rotary Handle

Accessories for EasyPact CVS 100 - 630A

Auxiliary Contacts (Changeover) Multifunction

| Description | Reference | Unit LP [₹] |
|--|--|----------------|
| OF or SD or SDE or SDV | 29450 <input checked="" type="checkbox"/> | 820 |
| OF or SD or SDE or SDV low level | 29452 | 885 |
| SDE adapter for trip unit TM or MA or ETS 2.3 \$\$ | LV429451 <input checked="" type="checkbox"/> | 640 |

\$\$: To be considered alongwith SDE contact for MCCB with TMD/ETS 2.3/MA Trip Unit

Voltage Releases

| Description | Shunt Release Reference | Unit LP [₹] | Undervoltage Reference | Unit LP [₹] |
|--------------------|--|----------------|--|----------------|
| AC | | | | |
| 24 V 50/60 Hz | LV429384 <input checked="" type="checkbox"/> | 2100 | LV429404 | 2690 |
| 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 | |
| DC | | | | |
| 12 V | LV429382 | 2100 | LV429402 | 2690 |
| 24 V | LV429390 <input checked="" type="checkbox"/> | | LV429410 <input checked="" type="checkbox"/> | |
| 30 V | LV429391 | | LV429411 | |
| 48 V | LV429392 | | LV429412 | |
| 60 V | LV429383 | | LV429403 | |
| 125 V | LV429393 | | LV429413 | |
| 250 V | LV429394 | | LV429414 | |

Rotary Handles

| Description | 100/160/250A Reference | Unit LP [₹] | 400/630A Reference | Unit LP [₹] |
|---------------------------------|--|----------------|--|----------------|
| Direct rotary handle | | | | |
| Standard black handle | LV429337 <input checked="" type="checkbox"/> | 1070 | LV432597 <input checked="" type="checkbox"/> | 1605 |
| Extended rotary handle | | | | |
| Standard extended rotary handle | LV429338 <input checked="" type="checkbox"/> | 1700 | LV432598 <input checked="" type="checkbox"/> | 3020 |

Installation Accessories

| Description | 100/160/250A Reference | Unit LP [₹] | 400/630A Reference | Unit LP [₹] |
|---|--|----------------|--|----------------|
| Spreaders & Phase Barriers | | | | |
| Spreaders (Set of 3) 3P | LV431563 <input checked="" type="checkbox"/> | 600 | 32492 <input checked="" type="checkbox"/> | 1360 |
| Spreaders (Set of 4) 4P | LV431564 <input checked="" type="checkbox"/> | 800 | 32493 <input checked="" type="checkbox"/> | 1730 |
| Phase Barriers (Set of 6) | * | | LV432570 <input checked="" type="checkbox"/> | 685 |
| Interlocking | | | | |
| For Breaker with Rotary Handle | LV429369 | 7960 | LV432621 | 10020 |
| For Breaker with Toggle | LV429354 | 8705 | LV432614 | 10020 |
| Mechanical Interlocking with Base Plate | 29349** | 16670 | 32609** | 35115 |
| Locking of Rotary Handle | | | | |
| Locking Device | LV429344 <input checked="" type="checkbox"/> | 500 | LV432604 <input checked="" type="checkbox"/> | 685 |
| Ronis Keylock (1 Lock + 1 Key set) | 41940 <input checked="" type="checkbox"/> | 3475 | 41940 <input checked="" type="checkbox"/> | 3475 |
| Ronis Keylock (2 Locks + 1 Key set) | 41950 <input checked="" type="checkbox"/> | 6700 | 41950 <input checked="" type="checkbox"/> | 6700 |
| Profalux Keylock (1 Lock + 1 Key set) | 42888 | 5870 | 42888 | 5870 |
| Profalux Keylock (2 Locks + 1 Key set) | 42878 | 6700 | 42878 | 6700 |

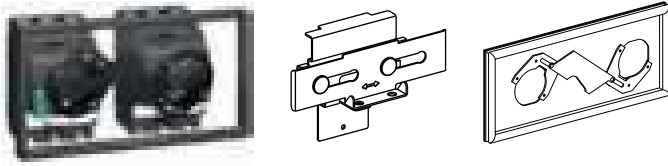
* supplied as standard with spreaders

** 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. March 12, 2018



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 LP [₹] |
|---|-----------|-------------|
| Mechanical interlocking for circuit breakers | | |
| With toggles 100A to 250A | LV429354 | 8705 |
| With rotary handles 100A -250A | LV429369 | 7960 |
| With toggles 400A to 630A | LV432614 | 10020 |
| With rotary handles 400A to 630A | LV432621 | 10020 |

Accessories for CVS 800A

Auxiliary/Alarms contacts

| Description | Reference | Unit LP [₹] |
|------------------------------|-----------|-------------|
| Auxiliary Switch 1 C/O | LV580075 | 1130 |
| Alarm Auxiliary switch 1 c/o | LV580079 | 1585 |

Voltage Releases

| Description | Shunt Release Reference | Unit MRP [₹] | Undervoltage Reference | Unit LP [₹] |
|--------------------|-------------------------|--------------|------------------------|-------------|
| AC | | | | |
| 220-240 V 50/60 Hz | LV580061 | 2155 | LV580071 | 2700 |

Rotary Handles

| Description | 800A Reference | Unit LP [₹] |
|---------------------------------|--|-------------|
| Extended rotary handle | | |
| Standard extended rotary handle | LV580081 <input checked="" type="checkbox"/> | 1890 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Type 2 Co-ordination Table Fuseless (DOL Starter) with EasyPact CVS

- Standard : IEC 60947-4-1
- Short Circuit Protection Device type: MCCB
- Performance «Iq» (kA) : 50kA
- Operational Voltage (Ue) : 415VAC / 50Hz

| Motor rating kW | FLC I(A) 415V | Ie max | Circuit Breaker Type | Rated current (A) | Setting | I _{rm} (A) | Contactor Type | Thermal Relay Type | Thermal range I _{rth} | I _q kA | I _r kA |
|-----------------|---------------|--------|----------------------|-------------------|---------|---------------------|----------------|--------------------------|--------------------------------|-------------------|-------------------|
| 0.37 | 1.1 | 1.6 | CVS100-MA | 2.5 | 6..13 | 22.5 | LC1E09 | LRE06 ⁽³⁾ | 1..1.6 | 50 | 1 |
| 0.55 | 1.5 | 1.6 | CVS100-MA | 2.5 | 6..14 | 32.5 | LC1E09 | LRE06 ⁽³⁾ | 1..1.6 | 50 | 1 |
| 0.75 | 1.8 | 2.5 | CVS100-MA | 2.5 | 6..14 | 32.5 | LC1E09 | LRE07 ⁽³⁾ | 1.6..2.5 | 50 | 1 |
| 1.1 | 2.6 | 4 | CVS100-MA | 6.3 | 6..14 | 57 | LC1E32 | LRE08 ⁽³⁾ | 2.5..4 | 50 | 1 |
| 1.5 | 3.4 | 4 | CVS100-MA | 6.3 | 6..14 | 57 | LC1E32 | LRE08 ⁽³⁾ | 2.5..4 | 50 | 1 |
| 2.2 | 4.8 | 6 | CVS100-MA | 6.3 | 6..14 | 82 | LC1E32 | LRE10 ⁽³⁾ | 4..6 | 50 | 1 |
| 3 | 6.5 | 8 | CVS100-MA | 12.5 | 6..14 | 113 | LC1E80 | LRE12 ⁽¹⁾⁽³⁾ | 5.5..8 | 50 | 1 |
| 4 | 8.2 | 10 | CVS100-MA | 12.5 | 6..14 | 138 | LC1E80 | LRE14 ⁽¹⁾⁽³⁾ | 7..10 | 50 | 1 |
| 5.5 | 11 | 12.5 | CVS100-MA | 12.5 | 6..14 | 163 | LC1E80 | LRE16 ⁽¹⁾⁽³⁾ | 9..13 | 50 | 1 |
| 7.5 | 14 | 18 | CVS100-MA | 25 | 6..14 | 250 | LC1E80 | LRE21 ⁽¹⁾⁽³⁾ | 12..18 | 50 | 3 |
| 10 | 19 | 25 | CVS100-MA | 25 | 6..14 | 325 | LC1E80 | LRE322 ⁽²⁾⁽³⁾ | 17..25 | 50 | 3 |
| 11 | 21 | 25 | CVS100-MA | 25 | 6..14 | 325 | LC1E80 | LRE322 ⁽²⁾⁽³⁾ | 17..25 | 50 | 3 |
| 15 | 28 | 32 | CVS100-MA | 50 | 6..14 | 450 | LC1E80 | LRE353 ⁽²⁾⁽³⁾ | 23..32 | 50 | 3 |
| 18.5 | 34 | 40 | CVS100-MA | 50 | 6..14 | 550 | LC1E80 | LRE355 ⁽²⁾⁽³⁾ | 30..40 | 50 | 3 |
| 22 | 40 | 50 | CVS100-MA | 50 | 6..14 | 650 | LC1E80 | LRE357 ⁽²⁾ | 37..50 | 50 | 3 |
| 30 | 55 | 63 | CVS100-MA | 100 | 6..14 | 900 | LC1E120 | LRE480 | 51..81 | 50 | 3 |
| 37 | 66 | 100 | CVS100-MA | 100 | 6..14 | 1100 | LC1E120 | LRE481 | 62..99 | 50 | 5 |
| 45 | 80 | 100 | CVS100-MA | 100 | 6..14 | 1300 | LC1E120 | LRE481 | 62..99 | 50 | 5 |
| 55 | 100 | 135 | CVS160-MA | 150 | 9..14 | 1500 | LC1E160 | LRE482 | 84..135 | 50 | 5 |
| 75 | 135 | 150 | CVS160-MA | 150 | 9..14 | 1950 | LC1E160 | LRE483 | 124..198 | 50 | 10 |
| 90 | 160 | 185 | CVS250-MA | 220 | 9..14 | 2420 | LC1E300 | LRE484 | 146..234 | 50 | 10 |
| 110 | 200 | 220 | CVS250-MA | 220 | 9..14 | 2860 | LC1E300 | LRE484 | 146..234 | 50 | 10 |
| 132 | 230 | 265 | CVS400-MA | 320 | 6..13 | 3500 | LC1E300 | LRE485 | 174..279 | 50 | 10 |
| 160 | 270 | 315 | CVS400-MA | 320 | 6..13 | 4160 | LC1E300 | LRE486 | 208..333 | 50 | 10 |
| 200 | 361 | 400 | CVS630-MA | 500 | 6..13 | 5700 | LC1F500 | LR9-F73 79 | 300..500 | 50 | 18 |
| 220 | 380 | 500 | CVS630-MA | 500 | 6..13 | 6500 | LC1F500 | LR9-F73 79 | 300..500 | 50 | 18 |
| 250 | 430 | 500 | CVS630-MA | 500 | 6..13 | 6500 | LC1F500 | LR9-F73 79 | 300..500 | 50 | 18 |

(1) Separate mounting with LAEB1 terminal block

(2) Separate mounting with LAEB3 terminal block

(3) Type 1 for O/L relay

EasyPact EZC

Safe, Reliable and Easy

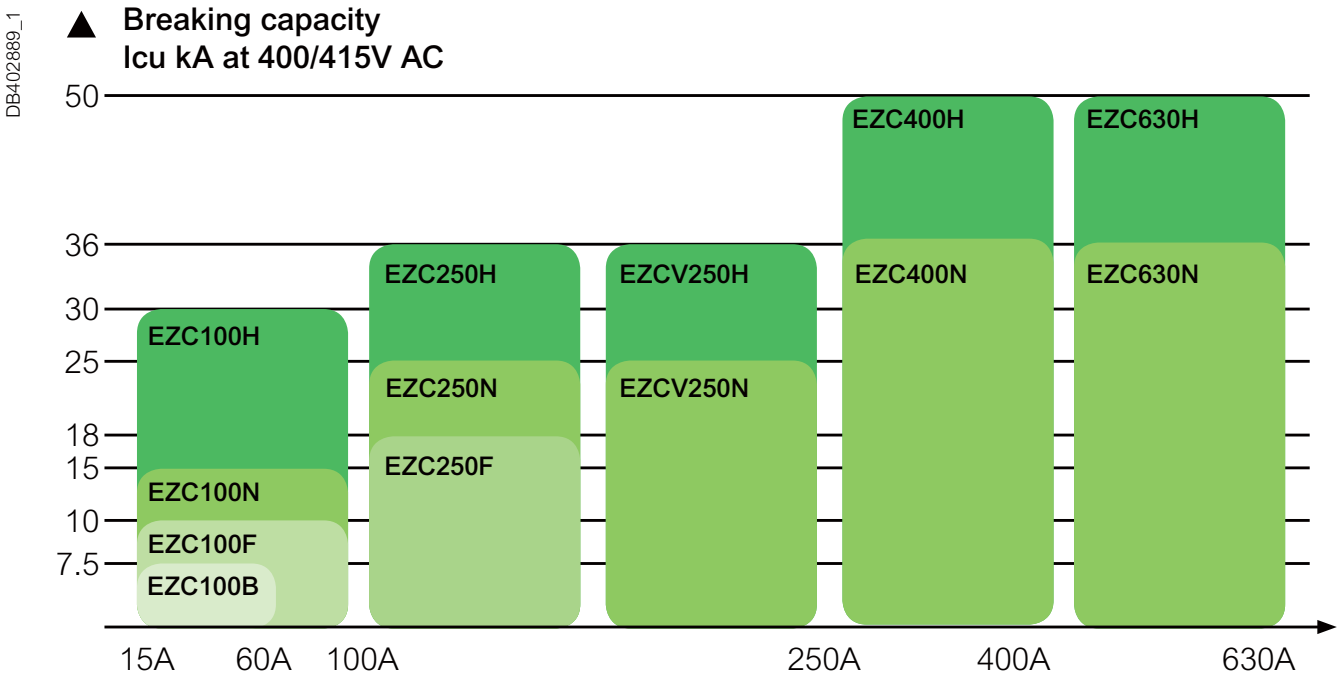


With just three sizes of circuit breakers, Schneider Electric's EasyPact EZC system is the simple, universal solution, particularly adapted to Buildings and OEM segments

- 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)
- Built in Earth leakage version 63A to 250A @ Icu36kA.



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

With 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 ₹ |
|---|---------------|----------------------|---------------|
| "10 kA @ 415V AC 5kA @ 250V DC (2pole in series)" | 16A | EZC100F3016 | 2640 |
| | 20A | EZC100F3020 | |
| | 25A | EZC100F3025 | |
| | 32A | EZC100F3032 | |
| | 40A | EZC100F3040 | |
| | 50A | EZC100F3050 | |
| | 63A | EZC100F3063 | |
| | 80A | EZC100F3080 | |
| | 100A | EZC100F3100 | |
| "18 kA @ 415V AC 5kA @ 250V DC (2pole in series)" | 125A | EZC250F3125 | 5955 |
| | 150A | EZC250F3150 | 6000 |
| | 160A | EZC250F3160 | 6800 |
| | 175A | EZC250F3175 | 8355 |
| | 200A | EZC250F3200 | |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP ₹ |
| "18 kA @ 415V AC 5kA @ 250V DC (2pole in series)" | 250A | EZC250F3250 | 9775 |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Single Pole | Unit MRP ₹ |
| "18 kA @ 240V AC 5kA @ 125V DC " | 16A | EZC100N1016 | 1885 |
| | 20A | EZC100N1020 | |
| | 25A | EZC100N1025 | |
| | 32A | EZC100N1032 | |
| | 40A | EZC100N1040 | |
| | 50A | EZC100N1050 | |
| | 63A | EZC100N1063 | |
| | 80A | EZC100N1080 | |
| | 100A | EZC100N1100 | |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Two Pole Reference | Unit MRP ₹ |
| "50 kA @ 240V AC 10kA @ 250V DC (2pole in series)" | 16A | EZC100H2016 | 3080 |
| | 20A | EZC100H2020 | |
| | 25A | EZC100H2025 | |
| | 32A | EZC100H2032 | |
| | 40A | EZC100H2040 | |
| | 50A | EZC100H2050 | |
| | 63A | EZC100H2063 | |
| | 80A | EZC100H2080 | |
| | 100A | EZC100H2100 | |
| "85 kA @ 240V AC 30kA @ 250V DC (2pole in series)" | 125A | EZC250H2125 | 6300 |
| | 150A | EZC250H2150 | 7420 |
| | 160A | EZC250H2160 | 7420 |
| | 175A | EZC250H2175 | 8935 |
| | 200A | EZC250H2200 | |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP ₹ |
| "85 kA @ 240V AC 30kA @ 250V DC (2pole in series)" | 250A | EZC250H2250 | 9200 |

Note:

- Contact customer care for 1P(up to 100A) and 2P (up to 250A) requirements
- 630A and other breaking capacity versions on request.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|---|---------------|----------------------|--------------|---------------------|--------------|
| "30 kA @ 415V AC 10kA @ 250V DC (2pole in series)" | 15A | EZC100H3015 | 4160 | EZC100H4015 | 5770 |
| | 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 20kA @ 250V DC (2pole in series)" | 125A | EZC250N3125 | 6100 | EZC250N4125 | 8420 |
| | 160A | EZC250N3160 | 7400 | EZC250N4160 | 9910 |
| | 200A | EZC250N3200 | 8780 | EZC250N4200 | 11080 |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| "25 kA @ 415V AC 20kA @ 250V DC (2pole in series)" | 250A | EZC250N3250 | 10035 | EZC250N4250 | 12990 |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| "36 kA @ 415V AC 30kA @ 250V DC (2pole in series)" | 125A | EZC250H3125 | 6400 | EZC250H4125 | 8630 |
| | 160A | EZC250H3160 | 8390 | EZC250H4160 | 10800 |
| | 200A | EZC250H3200 | 10410 | EZC250H4200 | 14070 |
| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
| "36 kA @ 415V AC 30kA @ 250V DC (2pole in series)" | 250A | EZC250H3250 | 11640 | EZC250H4250 | 15720 |
| | 320A | EZC400H3320N | 18220 | EZC400H4320N | 21000 |
| | 400A | EZC400H3400N | 18790 | EZC400H4400N | 24560 |
| | 500A | EZC630H3500N | 23700 | EZC630H4500N | 30800 |
| | 600A | EZC630H3600N | 24700 | EZC630H4600N | 32200 |
| "50 kA @ 415V AC" | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

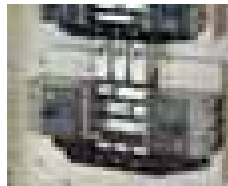
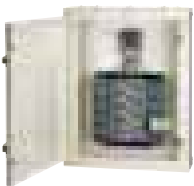
Note:

- Contact customer care for 1P(up to 100A) and 2P (up to 250A) requirements
- 630A and other breaking capacity versions on request.

| Description | EZC100 Reference | Unit LP [₹] | EZC250 Reference | Unit LP [₹] |
|--|---|-------------|---|-------------|
| Auxiliary Contacts (changeover) Multifunction | | | | |
| Auxiliary Switch 1 C/O | EZAUX10 <input checked="" type="checkbox"/> | 740 | EZEAX <input checked="" type="checkbox"/> | 890 |
| Alarm Switch 1 C/O | EZAUX01 | 740 | EZEAL <input checked="" type="checkbox"/> | 890 |
| Alarm - Auxiliary Switch | EZAUX11 <input checked="" type="checkbox"/> | 1105 | EZEAXAL | 1320 |
| Spreaders | | | | |
| Spreaders *(Set Of 3) 3P | EZASPDR3P <input checked="" type="checkbox"/> | 300 | EZESPDR3P <input checked="" type="checkbox"/> | 450 |
| Spreaders *(Set Of 4) 4P | EZASPDR4P <input checked="" type="checkbox"/> | 400 | EZESPDR4P | 590 |
| Phase Barriers | | | | |
| | EZAFASB2 | 185 | EZEFASB2 | 255 |
| Rotary Handle | | | | |
| Direct Rotary handle | EZAROTDS <input checked="" type="checkbox"/> | 1055 | EZEROTDS | 1320 |
| Extended Rotary handle | EZAROTE | 1580 | EZEROTE | 1580 |
| Shunt Release | | | | |
| AC | | | | |
| 100-130 V | EZASHT100AC | 1580 | EZESHT100AC | 1580 |
| 200-277 V | EZASHT200AC <input checked="" type="checkbox"/> | | EZESHT200AC <input checked="" type="checkbox"/> | 1580 |
| 380-480 V | EZASHT380AC | | EZESHT400AC | 1580 |
| DC | | | | |
| 24 V | EZASHT024DC | 1580 | EZESHT024DC | 1580 |
| 48 V | EZASHT048DC | | EZESHT048DC | 1580 |

| Description | EZC 400/600 Reference | Unit LP [₹] |
|----------------------------------|-----------------------|-------------|
| Auxiliary Contacts | | |
| OF or SD or SDE | 29450 | 820 |
| Spreaders | | |
| Spreaders (Set of 3) 3P | 32492 | 1360 |
| Spreaders (Set of 4) 4P | 32493 | 1730 |
| Phase Barriers (Set of 6) | | |
| | LV432570 | 685 |
| Rotary Handle | | |
| Direct Rotary handle | LV432597 | 1605 |
| Extended Rotary handle | LV432598 | 3020 |
| Shunt Release | | |
| AC 220-240 V 50/60 Hz | LV429387 | 2100 |

EasyPact Range Busbar Systems



- Available for 250A, 400A & 630A main incoming current
- Available for 4,6,8 & 12 ways (3-pole) EasyPact 100A (max) outgoing MCCBs
- EZ Busbar rated 400A and 630A can accept the 2 ways or 4 ways branch extension for upto four additional 250A max outgoing circuits

| [In] Rated Current | Description | Reference | Unit LP [₹] |
|--------------------|-----------------------|-----------|-------------|
| 250 A | EZ busbar 250A 4ways | EZB250W04 | 8245 |
| | EZ busbar 250A 6ways | EZB250W06 | 10425 |
| | EZ busbar 250A 8ways | EZB250W08 | 12610 |
| | EZ busbar 250A 10ways | EZB250W10 | 14815 |
| | EZ busbar 250A 12ways | EZB250W12 | 16995 |
| 400 A | EZ busbar 400A 4ways | EZB400W04 | 10425 |
| | EZ busbar 400A 6ways | EZB400W06 | 12610 |
| | EZ busbar 400A 8ways | EZB400W08 | 14815 |
| | EZ busbar 400A 10ways | EZB400W10 | 16995 |
| | EZ busbar 400A 12ways | EZB400W12 | 19180 |
| 630 A | EZ busbar 630A 4ways | EZB630W04 | 12610 |
| | EZ busbar 630A 6ways | EZB630W06 | 14815 |
| | EZ busbar 630A 8ways | EZB630W08 | 16995 |
| | EZ busbar 630A 10ways | EZB630W10 | 19180 |
| | EZ busbar 630A 12ways | EZB630W12 | 21370 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

EasyPact NKS AC MCCB

Moulded Case Circuit Breakers for Distribution Network

Fixed Thermal Magnetic Trip Unit (TMD)

- Conforms to IEC60947-2

| Breaking Capacity Icu as per IEC60947-2 | Rated Current | Reference | Unit MRP [₹] |
|---|---------------|----------------|--------------|
| 10kA * | 15 | NKS100R015AC3P | 1500 |
| | 20 | NKS100R020AC3P | 1500 |
| | 25 | NKS100R025AC3P | 1500 |
| | 32 | NKS100R032AC3P | 1500 |
| | 40 | NKS100R040AC3P | 1500 |
| | 50 | NKS100R050AC3P | 1500 |
| | 63 | NKS100R063AC3P | 1500 |
| | 75 | NKS100R075AC3P | 1500 |
| | 100 | NKS100R100AC3P | 1500 |
| | 110 | NKS160R110AC3P | 3470 |
| | 125 | NKS160R125AC3P | 3470 |
| | 140 | NKS160R140AC3P | 3840 |
| | 150 | NKS160R150AC3P | 3840 |
| | 160 | NKS160R160AC3P | 3840 |
| | 175 | NKS200R175AC3P | 5050 |
| | 200 | NKS200R200AC3P | 5050 |

*Ics=5kA

| Description | EasyPact NKS 100 | Unit LP [₹] | EasyPact NKS 125A to 200 | Unit LP [₹] |
|--|------------------|-------------|--------------------------|-------------|
| Auxiliary contacts (changeover) Multifunction | | | | |
| Auxiliary Switch 1 C/O | EZAUX10 | 740 | AX1CT1L | 705 |
| Alarm Switch 1 C/O | EZAUX01 | 740 | AL1CT1NR | 790 |
| Alarm - Auxiliary Switch | EZAUX11 | 1105 | | |
| Spreaders | | | | |
| Spreaders *(Set Of 3) 3P | EZASPDR3P | 300 | NKSP13 | 280 |
| Phase Barriers | | | | |
| | EZAFASB2 | 185 | - | - |
| Rotary Handle | | | | |
| Direct Rotary handle | EZAROTDS | 1055 | - | - |
| Extended Rotary handle | EZAROTE | 1580 | NDHOMT1 | 1095 |
| Shunt Release | | | | |
| AC | | | | |
| 100-130 V | EZASHT100AC | 1580 | - | - |
| 200-277 V | EZASHT200AC | 1580 | SHT240ACT1L | 635 |
| 380-480 V | EZASHT380AC | 1580 | - | - |
| 440 V | - | - | - | - |
| DC | | | | |
| 24 V | EZASHT024DC | 1580 | - | - |
| 48 V | EZASHT024DC | 1580 | - | - |
| 110 V | EZASHT048DC | 1580 | - | - |
| 220 V | - | - | - | - |
| AC | | | | |
| UVR 200-240VAC | On Request | | - | - |
| 220 V | - | - | UVT220/240ACT1 | 1175 |
| 415 V | | | | |

Note:

- Contact customer care for other accessories

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Simpact NKS DC MCCB

• Fixed Thermal Magnetic Settings

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | One Pole Reference | Unit MRP [₹] |
|--|----------------|--------------------|--------------|
| 5 kA 125VDC L/R = 10ms | 10A | NKS100R010DC1P | 1320 |
| | 15A | NKS100R015DC1P | |
| | 20A | NKS100R020DC1P | |
| | 30A | NKS100R030DC1P | |
| | 40A | NKS100R040DC1P | |
| | 50A | NKS100R050DC1P | |
| | 60A | NKS100R060DC1P | |
| | 75A | NKS100R075DC1P | |
| 100A | NKS100R100DC1P | | |

• Fixed Thermal Magnetic Settings

| Breaking Capacity Icu as per IEC 60947-2 | Rated Current | Two Pole Reference* | Unit MRP [₹] | Three Pole Reference | Unit MRP [₹] |
|--|----------------|---------------------|----------------|----------------------|--------------|
| 10 kA 250VDC L/R = 10ms | 10A | NKS100R010DC2P | 3940 | NKS100R010DC3P | 4460 |
| | 15A | NKS100R015DC2P | | NKS100R015DC3P | |
| | 20A | NKS100R020DC2P | | NKS100R020DC3P | |
| | 25A | NKS100R025DC2P | | NKS100R025DC3P | |
| | 30A | NKS100R030DC2P | | NKS100R030DC3P | |
| | 40A | NKS100R040DC2P | | NKS100R040DC3P | |
| | 50A | NKS100R050DC2P | | NKS100R050DC3P | |
| | 60A | NKS100R060DC2P | | NKS100R060DC3P | |
| | 75A | NKS100R075DC2P | NKS100R075DC3P | | |
| | 100A | NKS100R100DC2P | NKS100R100DC3P | | |
| | 110A | NKS160R110DC2P | NKS160R110DC3P | 8070 | |
| | 125A | NKS160R125DC2P | NKS160R125DC3P | | |
| | 140A | NKS160R140DC2P | NKS160R140DC3P | | |
| | 150A | NKS160R150DC2P | NKS160R150DC3P | | |
| | 160A | NKS160R160DC2P | NKS160R160DC3P | 8725 | |
| | 175A | NKS200R175DC2P | NKS200R175DC3P | | |
| 200A | NKS200R200DC2P | NKS200R200DC3P | 7590 | | |

Note: *2 Pole MCCB shall be in 3P dimensions.
 Spreaders are supplied as standard only with NKS200R for lower ratings consider spreader prices extra

Simpact NKS DC Accessories

| Voltage | Reference | Unit LP [₹] |
|---------|--|-------------|
| 240 V | SHT240ACT1L | 635 |
| 220 V | UVT220/240ACT1 <input checked="" type="checkbox"/> | 1175 |

| Description | Reference | Unit LP [₹] |
|--|--|-------------|
| Auxiliary contacts (changeover) | | |
| Auxiliary Switch 1 C/O | AX1CT1L | 705 |
| Alarm Switch 1 C/O | AL1CT1NR | 790 |
| Rotary handles | | |
| Standard extended rotary handle | NDHOMT1 | 1095 |
| Spreaders | | |
| Spreaders (Set of 3) 3P | NKSP13 <input checked="" type="checkbox"/> | 280 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Unique Modular Ground Fault Protection

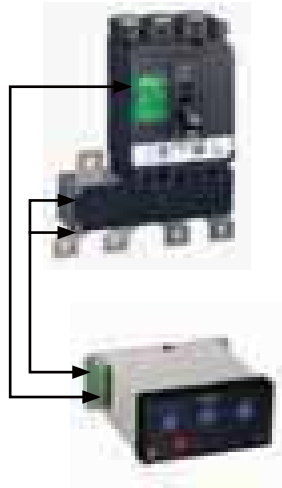
Earth Fault Protection for EasyPact CVS/ Compact NSX MCCBs

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



Protection of electrical distribution network against fire



| 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"/> | 4930 | GFP11CT14P <input checked="" type="checkbox"/> | 5400 |
| CVS/NSX 160 / 250 | 125, 160, 200, 250 | GFP12CT23P <input checked="" type="checkbox"/> | 5610 | GFP12CT24P <input checked="" type="checkbox"/> | 6330 |
| CVS/NSX 400 / 630 | 400, 630 | GFP13CT33P <input checked="" type="checkbox"/> | 8470 | GFP13CT34P <input checked="" type="checkbox"/> | 9250 |
| CVS 800 | 800 | GFP14CT43P | 10440 | GFP14CT44P | 11690 |

Note: Kindly order one no. Shunt trip coil along with one Ground Fault Protection Module for CVS100 to 630. Order one auxiliary contact alongwith shunt coil for CVS800.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

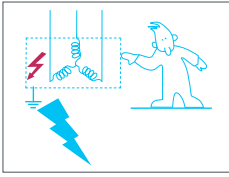
NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Earth Leakage Protection

Earth Leakage Protection is obtained by: Fitting a VIGI Module on the Circuit Breakers

VIGI Module Earth Leakage Device for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers



Protection of people



VIGI Module



CVS + VIGI



NSX + VIGI

- Compliance with Standards - IEC60947-2 appendix B, IEC 60255-4 and IEC60801-2 to 5 covering protection against nuisance tripping due to:
 - Transient overvoltages, lightning strikes
 - Switching of devices on the distribution system
 - Electrostatic discharges and radio frequency disturbances
- Device can be equipped with multifunction aux contact of MCCB to remotely signal tripping due to earth fault
- Self powered - "no aux supply required"
- Instantaneous tripping at 30mA in less the 40ms for human protection
- Direct acting device - no shunt/UV release required in MCCB

| MCCB Frame | Type | Three Pole ⁽¹⁾ Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|-------------------|------|--|--------------|---------------------|--------------|
| CVS/NSX - 100/160 | ME | LV429212 | 11930 | LV429213 | 12890 |
| CVS/NSX - 100/160 | MH | LV429210 <input checked="" type="checkbox"/> | 15330 | LV429211 | 16935 |
| CVS/NSX - 250 | MH | LV431535 | 17815 | LV431536 | 18215 |
| CVS/NSX - 400/630 | MB | LV432455 | 44130 | LV432456 | 45955 |

| ME Type | MH Type | MB Type |
|--|---|---|
| <ul style="list-style-type: none"> • Sensitivity - 300mA (fixed) • Instantaneous time delay • Fixed < 40ms | <ul style="list-style-type: none"> • Sensitivity - adjustable • 30mA - 300mA-1A-3A-10A • Instantaneous time delay(ms) • 0 - 60 ⁽²⁾ - 150 ⁽²⁾ - 310 ⁽²⁾ | <ul style="list-style-type: none"> • Sensitivity - adjustable • 300mA-1A-3A-10A -30A • Instantaneous time delay (ms) • 0 - 60 - 150 - 310 |

(1) Vigi 3P modules may also be used on 3P circuit breaker used for single phase or two phase protection

(2) If the sensitivity is set to 30mA, there is no time delay, whatever the time delay setting

Insulation monitoring module for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers



- Settings: 100 - 200 - 500 - 1000mA
- Indication by Red LED without tripping the circuit breaker
- Option for installing auxiliary contact for remote indication/tripping

| Description | Three Pole Reference | Unit MRP [₹] | Four Pole Reference | Unit MRP [₹] |
|--|----------------------|--------------|---------------------|--------------|
| CVS/NSX 100- 250A | | | | |
| 220 to 440V AC | LV429459 | 14260 | LV429460 | 15325 |
| Connection for a 4P insulation monitoring module on a 3P breaker | - | - | LV429214 | 5885 |
| CVS/NSX 400- 630A | | | | |
| 220 to 440V AC | LV432659 | 22585 | LV432660 | 25205 |
| Connection for a 4P insulation monitoring module on a 3P breaker | - | - | LV432457 | 16605 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

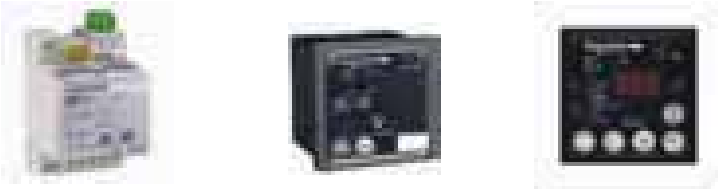
NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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 | 9425 | 56230 | 10355 |
| Sensitivity=0.03A | 380/415VAC | 56140 | | 56240 | |
| RH99 with local manual fault reset | 220/240VAC | 56173 | 14245 | 56273 | 15420 |
| Sensitivity = 0.03- 30A & time delay= 0-4.5s | 380/415VAC | 56174 | 15710 | 56274 | 16195 |
| RH197P with local manual or automatic fault reset | 220/240VAC | | - | 56507* | 17440 |
| Sensitivity = 0.03- 30A & time delay= 0-4.5s | 380/415VAC | | - | 56508* | 18315 |
| RH197P with local manual or automatic fault reset | 220/240VAC | | - | 56512** | 17615 |
| Sensitivity = 0.03- 30A & time delay= 0-4.5s | 380/415VAC | | - | 56513** | 18490 |

* alarm at 50% of fault threshold

** alarm at 100% of fault threshold

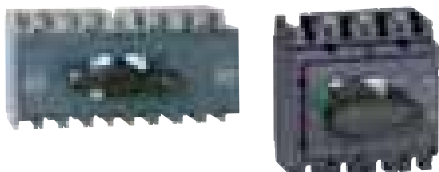
Vigirex Sensors



| Type | Ie(A) Rated Operational Current | Inside Diameter (mm) | Reference | Unit MRP [₹] |
|-------|---------------------------------|----------------------|-----------|--------------|
| TA30 | 65 | 30 | 50437 | 6005 |
| PA50 | 85 | 50 | 50438 | 8375 |
| IA80 | 160 | 80 | 50439 | 9975 |
| MA120 | 250 | 120 | 50440 | 12000 |
| SA200 | 400 | 200 | 50441 | 18645 |
| GA300 | 630 | 300 | 50442 | 41410 |

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 LP [₹] |
|------------------|---------------------------|-----------|-------------|
|------------------|---------------------------|-----------|-------------|

Interpact Range of Switch Disconnectors

| | | | |
|--------------|--------------|-------|-------|
| 3-Pole | 40 A AC-23A | 28900 | 3960 |
| | 63 A AC-23A | 28902 | 4790 |
| | 100 A AC-23A | 28908 | 5640 |
| | 125 A AC-23A | 28910 | 6150 |
| | 160 A AC-23A | 28912 | 6850 |
| | 200 A AC-23A | 31102 | 11910 |
| | 250 A AC-23A | 31106 | 12580 |
| | 320 A AC-23A | 31108 | 20480 |
| | 400 A AC-23A | 31110 | 23080 |
| 630 A AC-23A | 31114 | 23740 | |
| 4-Pole | 40 A AC-23A | 28901 | 4420 |
| | 63 A AC-23A | 28903 | 5240 |
| | 100 A AC-23A | 28909 | 6150 |
| | 125 A AC-23A | 28911 | 6860 |
| | 160 A AC-23A | 28913 | 7570 |
| | 200 A AC-23A | 31103 | 13290 |
| | 250 A AC-23A | 31107 | 13960 |
| | 320 A AC-23A | 31109 | 23720 |
| | 400 A AC-23A | 31111 | 24490 |
| 630 A AC-23A | 31115 | 27450 | |

Interpact Changeover Systems (Complete Assembly)

| | | | |
|--------|--------------|-------|-------|
| 3-Pole | 100 A AC-23A | 31140 | 35250 |
| | 160 A AC-23A | 31144 | 38370 |
| | 200 A AC-23A | 31142 | 42200 |
| | 250 A AC-23A | 31146 | 43375 |
| | 320 A AC-23A | 31148 | 71730 |
| | 400 A AC-23A | 31150 | 76585 |
| | 630 A AC-23A | 31154 | 77910 |
| 4-Pole | 100 A AC-23A | 31141 | 40205 |
| | 160 A AC-23A | 31145 | 43975 |
| | 200 A AC-23A | 31143 | 49795 |
| | 250 A AC-23A | 31147 | 51525 |
| | 320 A AC-23A | 31149 | 78240 |
| | 400 A AC-23A | 31151 | 80775 |
| | 630 A AC-23A | 31155 | 92475 |

| Description | Reference | Unit LP [₹] |
|-------------|-----------|-------------|
|-------------|-----------|-------------|

Accessories

| | | |
|---|----------|------|
| Optional front extended rotary handle INS 250 - black handle (Switch Disconnector) | LV431050 | 3495 |
| Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector) | 31052 | 4945 |
| Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector) | LV428941 | 1775 |
| 6 phase separators - INS100..160 | 28959 | 775 |
| 6 phase separators - INS250 | 29329 | 685 |
| 6 phase separators - INS400..630 | LV432570 | 685 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

- 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 LP [₹] | BS Type Reference | Unit LP [₹] |
|---------------------------|-------------------|--|-------------|-------------------|-------------|
| 32 A | 3P + N | NX032TPNDI <input checked="" type="checkbox"/> | 2190 | NX032TPNBS | 2160 |
| 63 A | 3P + N | NX063TPNDI <input checked="" type="checkbox"/> | 2890 | NX063TPNBS | 2870 |
| 80 A | 3P + N | NX080TPNDI | 5470 | NX080TPNBS | 5210 |
| 100 A | 3P | NX100TPXDI | 6040 | | |
| | 3P + N | NX100TPNDI <input checked="" type="checkbox"/> | 6270 | NX100TPNBS | 6220 |
| 125 A | 4P | NX100FPXDI | 6520 | | |
| | 3P | NX125TPXDI <input checked="" type="checkbox"/> | 7040 | | |
| | 3P + N | NX125TPNDI <input checked="" type="checkbox"/> | 7690 | NX125TPNBS | 7610 |
| 160 A | 4P | NX125FPXDI | 8650 | | |
| | 3P | NX160TPXDI | 7760 | | |
| | 3P + N | NX160TPNDI <input checked="" type="checkbox"/> | 8380 | NX160TPNBS | 7890 |
| 200 A | 4P | NX160FPXDI | 9660 | | |
| | 3P | NX200TPXDI | 10270 | | |
| | 3P + N | NX200TPNDI <input checked="" type="checkbox"/> | 10770 | NX200TPNBS | 9470 |
| 250 A | 4P | NX200FPXDI | 12050 | | |
| | 3P | NX250TPXDI | 12590 | | |
| | 3P + N | NX250TPNDI <input checked="" type="checkbox"/> | 12960 | NX250TPNBS | 12440 |
| 315 A | 4P | NX250FPXDI | 15250 | | |
| | 3P | NX315TPXDI | 15820 | | |
| | 3P + N | NX315TPNDI <input checked="" type="checkbox"/> | 16050 | NX315TPNBS | 15790 |
| 400 A | 4P | NX315FPXDI | 17800 | | |
| | 3P | NX400TPXDI | 21140 | | |
| | 3P + N | NX400TPNDI <input checked="" type="checkbox"/> | 21940 | NX400TPNBS | 20740 |
| 630 A | 4P | NX400FPXDI | 26440 | | |
| | 3P | NX630TPXDI | 31210 | | |
| | 3P + N | NX630TPNDI <input checked="" type="checkbox"/> | 31920 | NX630TPNBS | 31600 |
| | 4P | NX630FPXDI | 35600 | | |

Accessories/Spares

| Description | Reference | Unit LP [₹] |
|--|--|-------------|
| NX032/NX063/NX080 | | |
| Auxiliary contact for Fupact | NXAA11 <input checked="" type="checkbox"/> | 445 |
| Fuse holder for DIN NX032...NX080 | NXHD1 | 210 |
| Handle operating mechanism (HOM) NX032...NX080 | NXR1 | 395 |
| HOM shaft for NX/32/63/80 | NXRS1 | 210 |
| NX100/NX125/NX160 | | |
| Auxiliary contact for Fupact | NXBA11 <input checked="" type="checkbox"/> | 515 |
| Fuse holder DIN for BS type NX100...NX160 | NXHB21 | 190 |
| Fuse holder DIN for NX100...NX160 | NXHD21 | 210 |
| Handle operating mechanism NX100...NX160 | NXR2 <input checked="" type="checkbox"/> | 755 |
| Shaft for HOM for NX100...NX160 | NXRS2 | 210 |
| NX200 | | |
| Auxiliary contact for Fupact | NXBA11 <input checked="" type="checkbox"/> | 515 |
| Fuse holder for BS type NX200 | NXHB22 | 200 |
| Fuse holder for DIN NX200 | NXHD22 | 230 |
| Handle operating mechanism NX200 | NXR2 <input checked="" type="checkbox"/> | 755 |
| Shaft for HOM for NX200 | NXRS2A | 260 |
| NX250/315/400 | | |
| Auxiliary contact for Fupact | NXBA11 <input checked="" type="checkbox"/> | 515 |
| Handle operating mechanism for NX250...NX400 | NXR3 | 785 |
| Shaft for HOM for NX250...NX400 | NXRS3 | 260 |
| NX630 | | |
| Auxiliary contact for Fupact | NXBA11 <input checked="" type="checkbox"/> | 515 |
| Handle operating mechanism for NX630 | NXR4 | 835 |
| Shaft for HOM for NX630 | NXRS4 | 260 |

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. March 12, 2018

Fupact - Type 2 Co-ordination Table With Fuse

EasyPact TVS DOL (Type 2 Co-ordination with Fuse)

- Standard: IEC 60947-4-1
- Fuses: Cooper Bussmann
- Iq (A): 50KA
- Ue: 415Vac / 50Hz
- Contactor Coil: Type M5 (220 Vac/ 50 Hz)

| Motor Output | | FLC | | SDF (NX Range) | | | Contactor | | Thermal Overload Relay | |
|--------------|------|------|-------|----------------|-----------------|---------|-----------|--------|------------------------|--|
| KW | HP | I(A) | Type | Fuse Type | Fuse Rating (A) | Type | AC3 (A) | Type | Range (A) | |
| 0.37 | 0.5 | 1 | NX32 | 6NHG000B | 6 | LC1E09 | 9 | LRE06 | 1.0 - 1.6 | |
| 0.55 | 0.75 | 1.5 | NX32 | 6NHG000B | 6 | LC1E09 | 9 | LRE06 | 1.0 - 1.6 | |
| 0.75 | 1 | 2 | NX32 | 6NHG000B | 6 | LC1E09 | 9 | LRE07 | 1.6 - 2.5 | |
| 1.5 | 2 | 3.5 | NX32 | 16NHG000B | 16 | LC1E09 | 9 | LRE08 | 2.5 - 4.0 | |
| 2.2 | 3 | 5 | NX32 | 16NHG000B | 16 | LC1E09 | 9 | LRE10 | 4.0 - 6.0 | |
| 3 | 4 | 6.8 | NX32 | 20NHG000B | 20 | LC1E09 | 9 | LRE12 | 5.5 - 8.0 | |
| 4 | 5.5 | 8.4 | NX32 | 20NHG000B | 20 | LC1E09 | 9 | LRE14 | 7.0 - 10 | |
| 5.5 | 7.5 | 11.2 | NX32 | 25NHG000B | 25 | LC1E12 | 12 | LRE16 | 9.0 - 13 | |
| 7.5 | 10 | 14 | NX63 | 40NHG000B | 40 | LC1E18 | 25 | LRE21 | 12.0 - 18 | |
| 9 | 12 | 18 | NX63 | 50NHG000B | 50 | LC1E25 | 25 | LRE22 | 16 - 24 | |
| 11 | 15 | 21 | NX63 | 50NHG000B | 50 | LC1E32 | 32 | LRE22 | 16 - 24 | |
| 15 | 20 | 28.5 | NX63 | 63NHG000B | 63 | LC1E32 | 40 | LRE32 | 23 - 32 | |
| 18.5 | 25 | 34 | NX80 | 80NHG000B | 80 | LC1E40 | 40 | LRE355 | 30 - 40 | |
| 22 | 30 | 42 | NX80 | 80NHG000B | 80 | LC1E50 | 50 | LRE357 | 37 - 50 | |
| 30 | 40 | 57 | NX100 | 100NHG000B | 100 | LC1E65 | 65 | LRE359 | 48- 65 | |
| 37 | 50 | 70 | NX125 | 125NHG000B | 125 | LC1E80 | 80 | LRE363 | 63- 80 | |
| 45 | 60 | 81 | NX160 | 160NHG000B | 160 | LC1E95 | 95 | LRE365 | 80- 104 | |
| 56 | 75 | 100 | NX160 | 160NHG000B | 160 | LC1E120 | 115 | LRE482 | 84- 135 | |
| 80 | 107 | 138 | NX250 | 250NHG1B | 250 | LC1E160 | 150 | LRE483 | 124- 198 | |
| 90 | 120 | 165 | NX250 | 250NHG1B | 250 | LC1E160 | 160 | LRE483 | 124- 198 | |
| 100 | 135 | 182 | NX315 | 315NHG2B | 315 | LC1E200 | 200 | LRE483 | 124- 198 | |
| 110 | 150 | 196 | NX315 | 315NHG2B | 315 | LC1E200 | 200 | LRE483 | 124- 198 | |
| 132 | 177 | 240 | NX400 | 355NHG2B | 355 | LC1E250 | 250 | LRE485 | 174- 279 | |
| 160 | 215 | 285 | NX400 | 400NHG2B | 400 | LC1E300 | 300 | LRE486 | 208- 333 | |

EasyPact TVS Star Delta (Type 2 Co-ordination with Fuse)

- Standard: IEC 60947-4-1
- Fuses: Cooper Bussmann
- Iq (A): 50KA
- Ue: 415Vac / 50Hz
- Contactor Coil: Type M5 (220 Vac/ 50 Hz)

| Motor Output | | FLC | | SDF (NX Range) | | | Contactor | | | Thermal Overload Relay | | |
|--------------|-----|------------|-------------|----------------|-----------|-----------------|----------------|--------|------------------------|------------------------|--------|-----------|
| KW | HP | I Line (A) | I phase (A) | Type | Fuse Type | Fuse Rating (A) | Star Contactor | AC3- A | Main / Delta Contactor | AC3- A | Type | Range (A) |
| 1.5 | 2 | 4 | 2.3 | NX32 | 10NHC00G | 10 | LC1E09 | 9 | LC1E09 | 9 | LRE07 | 1.6-2.5 |
| 2.2 | 3 | 5 | 3 | NX32 | 16NHC00G | 16 | LC1E09 | 9 | LC1E09 | 9 | LRE08 | 2.5-4 |
| 3 | 4 | 7 | 4 | NX32 | 16NHC00G | 16 | LC1E09 | 9 | LC1E09 | 9 | LRE08 | 2.5-4 |
| 4 | 5.3 | 9 | 5 | NX32 | 20NHC00G | 20 | LC1E09 | 9 | LC1E09 | 9 | LRE10 | 4-6 |
| 5.5 | 7.5 | 10 | 6 | NX32 | 20NHC00G | 20 | LC1E09 | 9 | LC1E09 | 9 | LRE12 | 5.5-8 |
| 7.5 | 10 | 16 | 9 | NX32 | 32NHC00G | 32 | LC1E09 | 9 | LC1E09 | 9 | LRE14 | 7-10 |
| 9 | 12 | 17 | 10 | NX32 | 32NHC00G | 32 | LC1E09 | 9 | LC1E12 | 9 | LRE14 | 7-10 |
| 11 | 15 | 21 | 12 | NX63 | 50NHC00G | 50 | LC1E12 | 12 | LC1E12 | 12 | LRE16 | 9-13 |
| 15 | 20 | 28 | 16 | NX63 | 63NHC00G | 63 | LC1E18 | 18 | LC1E18 | 18 | LRE21 | 12-18 |
| 22 | 30 | 42 | 24 | NX80 | 80NHC00G | 80 | LC1E25 | 25 | LC1E25 | 25 | LRE32 | 23-32 |
| 30 | 40 | 57 | 33 | NX125 | 100NHG00B | 100 | LC1E40 | 40 | LC1E40 | 40 | LRE355 | 30-40 |
| 45 | 60 | 81 | 47 | NX125 | 125NHG00B | 125 | LC1E40 | 40 | LC1E50 | 50 | LRE357 | 37-50 |
| 55 | 75 | 100 | 58 | NX125 | 125NHG00B | 125 | LC1E40 | 40 | LC1E65 | 65 | LRE359 | 48-65 |
| 80 | 107 | 139 | 80 | NX200 | 200NHG1B | 200 | LC1E80 | 80 | LC1E80 | 80 | LRE363 | 63-80 |
| 110 | 150 | 196 | 113 | NX315 | 315NHG2B | 315 | LC1E300 | 300 | LC1E300 | 300 | LRE482 | 84~135 |
| 160 | 215 | 286 | 165 | NX400 | 355NHG2B | 355 | LC1E300 | 300 | LC1E300 | 300 | LRE483 | 124~198 |

The Benchmark for Power Circuit Breakers around the world

Masterpact NT/NW

LV power circuit breakers 630 to 6300 A



AIR PROCESS



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".



Measurements and programmable protection

- $I_1, I_2, I_3, I_N, I_{\text{earth-fault}}, I_{\text{earth-leakage}}$ 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).

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.


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.



Micrologic Trip unit

Energy efficiency, now within your reach



| | E 'Energy' | P 'Power' | H 'Harmonics' |
|------------|--|-----------|---------------|
| Measuremen | Current , maximeter | ● | ● |
| | Voltage, PF, Power, demand, energy | ● | ● |
| | Cos-φ, frequency, per phase, advanced protection | | ● |
| | Harmonics, waveform capture, enhanced alarms | | ● |
| Protection | 2 (L, I) | 2.0 E | |
| | 5 (L, S, I) | 5.0 E | 5.0 P |
| | 6 (L, S, I, G) | 6.0 E | 6.0 P |
| | 7 (L, S, I, V) | | 7.0 P |

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

Safer photovoltaic Energy Generation



ATS Kit

Suitable for Masterpact NT/ NW ACB

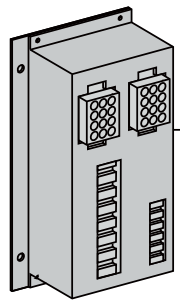
This Kit comprises of :

- > 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



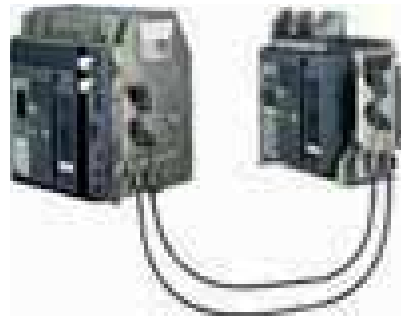
ACP Unit



IVE Unit



Controller



Mechanical interlocking using cable

| Description | Reference | Unit MRP [₹] |
|--|--|--------------|
| ATS Kit for Masterpact NT EDO type with BA 415VAC controller | INA_NTDOB4 | 119875 |
| ATS Kit for Masterpact NT EDO type with UA 415VAC controller | INA_NTDOU4 | 137520 |
| ATS Kit for Masterpact NW EDO type with BA 415VAC controller | INA_NWDOB4 <input checked="" type="checkbox"/> | 129875 |
| ATS Kit for Masterpact NW EDO type with UA 415VAC controller | INA_NWDOU4 <input checked="" type="checkbox"/> | 165020 |

**ATS Kit with for Fixed Breaker and BA controller with 240VAC, contact our customer care

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

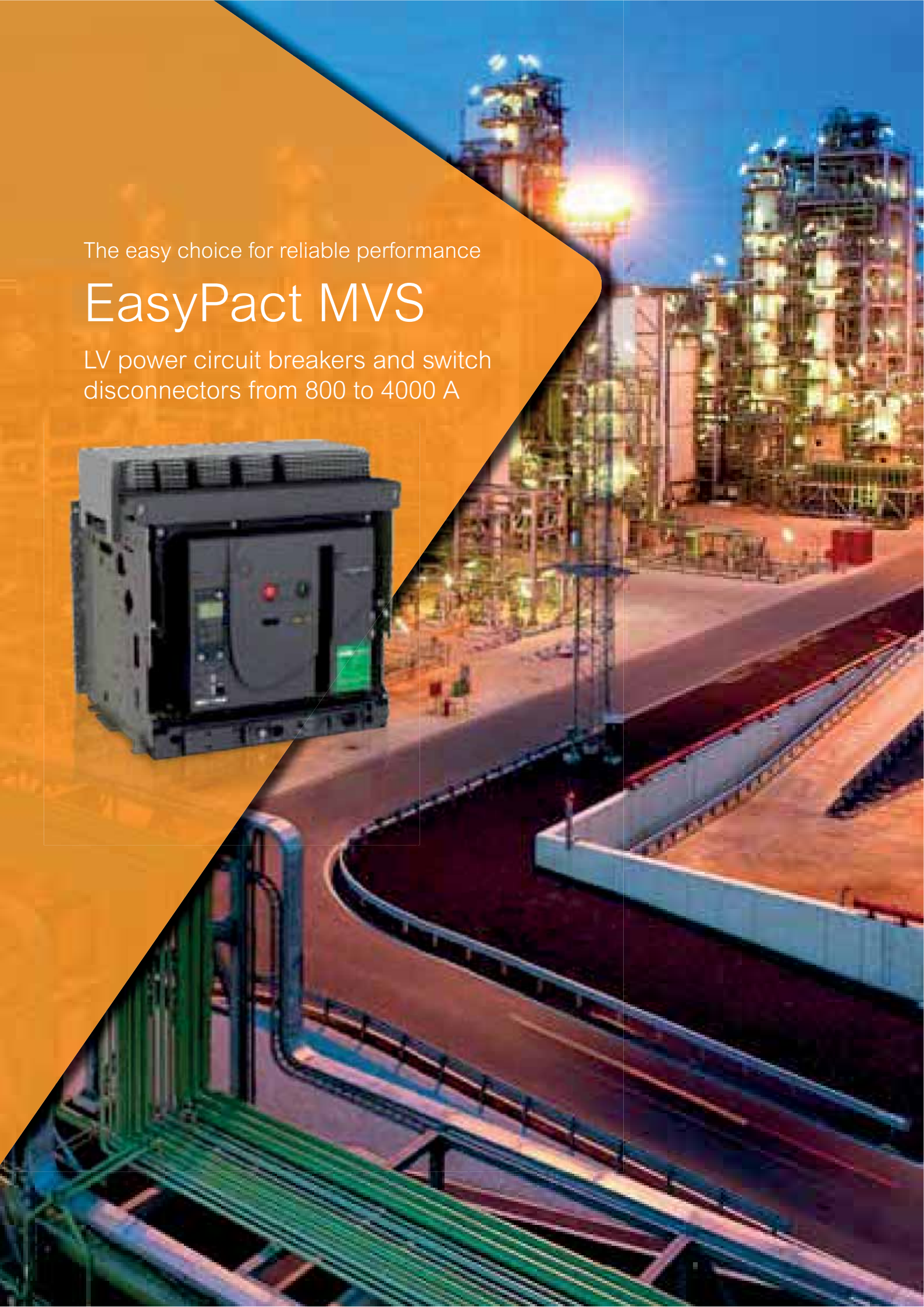
NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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

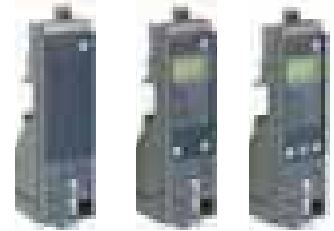
Range Details:

- Single frame for 800A to 4000A
- Fixed, Draw out type
- Entire Range $I_{cu}=I_{cs}=I_{cw}=50kA$ for 1sec @440V
- Suitability for applications up to 690 V
- Flexible terminal orientation enables horizontal or vertical alignment changes in the field*

*Not possible for 4000A

ET/ETA/ETV Trip System

A step towards intelligent Electrical Distribution Network



| | ET TRIP UNIT | ETA Trip Unit | ETV TRIP UNIT |
|-------------------|------------------------------------|---------------|---------------|
| Features | Current Metering | | ● |
| | Voltage Metering | | ● |
| | ZSI | ● | ● |
| | % Loading Bar Graph for each phase | ● | ● |
| | Thermal Memory | ● | ● |
| | Last 10 Trip History | | |
| Protection | 2 (L, I) | 2L | 2A |
| | | 6G | 6A |

EasyPact ACB Communication Module NEW



Connect



Control



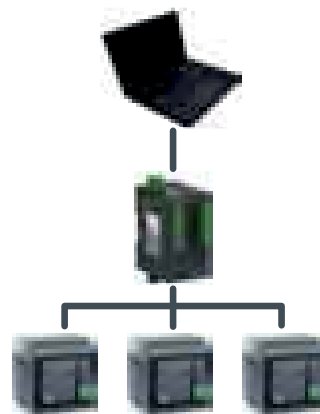
Manage

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.



| Reference no | Material description | LP |
|--------------|--|---------------|
| MVS21430 | EasyPact MVS Communication module EasyCom | 10,300 |

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 LP [₹] | 3P Draw-Out Electrical Reference | Unit LP [₹] | 4P Draw-Out Manual Reference | Unit LP [₹] | 4P Draw-Out Electrical Reference | Unit LP [₹] |
|---------------|------------------------------|-------------|----------------------------------|-------------|------------------------------|-------------|----------------------------------|-------------|
| 800 | MVS08N3MW6L | 171140 | MVS08N3NW6L | 215640 | MVS08N4MW6L | 214800 | MVS08N4NW6L | 259300 |
| 1000 | MVS10N3MW6L | 179780 | MVS10N3NW6L | 224280 | MVS10N4MW6L | 225040 | MVS10N4NW6L | 269540 |
| 1250 | MVS12N3MW6L | 200180 | MVS12N3NW6L | 244680 | MVS12N4MW6L | 249250 | MVS12N4NW6L | 293750 |
| 1600 | MVS16N3MW6L | 227510 | MVS16N3NW6L | 272010 | MVS16N4MW6L | 277610 | MVS16N4NW6L | 322110 |
| 2000 | MVS20N3MW6L | 276560 | MVS20N3NW6L | 321060 | MVS20N4MW6L | 339650 | MVS20N4NW6L | 384150 |
| 2500 | MVS25N3MW6L | 341920 | MVS25N3NW6L | 386420 | MVS25N4MW6L | 415480 | MVS25N4NW6L | 459980 |
| 3200 | MVS32N3MW6L | 417560 | MVS32N3NW6L | 462060 | MVS32N4MW6L | 512000 | MVS32N4NW6L | 556500 |
| 4000 | MVS40N3MW6L | 510700 | MVS40N3NW6L | 555200 | MVS40N4MW6L | 649500 | MVS40N4NW6L | 694000 |

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 | Example : ACB reference with ET6G trip unit - MVS08N3MW6L. For switch disconnector reference replace 6L by 0D i.e MVS08N3MW0D |
| ACB with ET6A trip unit (LCD display with Current Metering) | Add | ₹9200 | Example : ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6A trip unit replace 6L by 6A i.e MVS08N3MW6A |
| ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add | ₹21200 | Example : ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6V trip unit replace 6L by 6V 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) (Voltage ratings to be specified by customer & duty filled in ACB Order form)
 - 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. March 12, 2018

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
- $I_{cu}=I_{cs}=I_{cw}(1sec) = 50kA @ 440V AC$

Draw-out Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

| Rating In (A) | 3P Draw-Out Manual Reference | Unit LP [₹] | 3P Draw-Out Electrical Reference | Unit LP [₹] | 4P Draw-Out Manual Reference | Unit LP [₹] | 4P Draw-Out Electrical Reference | Unit LP [₹] |
|---------------|------------------------------|-------------|----------------------------------|-------------|------------------------------|-------------|----------------------------------|-------------|
| 800 | MVS08N3MW2L | 163740 | MVS08N3NW2L | 208240 | MVS08N4MW2L | 207400 | MVS08N4NW2L | 251900 |
| 1000 | MVS10N3MW2L | 172380 | MVS10N3NW2L | 216880 | MVS10N4MW2L | 217640 | MVS10N4NW2L | 262140 |
| 1250 | MVS12N3MW2L | 192780 | MVS12N3NW2L | 237280 | MVS12N4MW2L | 241850 | MVS12N4NW2L | 286350 |
| 1600 | MVS16N3MW2L | 220110 | MVS16N3NW2L | 264610 | MVS16N4MW2L | 270210 | MVS16N4NW2L | 314710 |
| 2000 | MVS20N3MW2L | 269160 | MVS20N3NW2L | 313660 | MVS20N4MW2L | 332250 | MVS20N4NW2L | 376750 |
| 2500 | MVS25N3MW2L | 334520 | MVS25N3NW2L | 379020 | MVS25N4MW2L | 408080 | MVS25N4NW2L | 452580 |
| 3200 | MVS32N3MW2L | 410160 | MVS32N3NW2L | 454660 | MVS32N4MW2L | 504600 | MVS32N4NW2L | 549100 |
| 4000 | MVS40N3MW2L | 503300 | MVS40N3NW2L | 547800 | MVS40N4MW2L | 642100 | MVS40N4NW2L | 686600 |

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 | Example : ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2A trip unit replace 2L by 2A i.e MVS08N3MW2A |
| ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add | ₹13800 | Example : ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2V trip unit replace 2L by 2V 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.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec})=50\text{kA @ }440\text{V AC}$

Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit (without display)

| Rating in (A) | 3P Fix Manual Reference | Unit LP [₹] | 3P Fix Electrical Reference | Unit LP [₹] | 4P Fix Manual Reference | Unit LP [₹] | 4P Fix Electrical Reference | Unit LP [₹] |
|---------------|-------------------------|-------------|-----------------------------|-------------|-------------------------|-------------|-----------------------------|-------------|
| 800 | MVS08N3MF6L | 127610 | MVS08N3NF6L | 172110 | MVS08N4MF6L | 162250 | MVS08N4NF6L | 206750 |
| 1000 | MVS10N3MF6L | 139690 | MVS10N3NF6L | 184190 | MVS10N4MF6L | 176210 | MVS10N4NF6L | 220710 |
| 1250 | MVS12N3MF6L | 160550 | MVS12N3NF6L | 205050 | MVS12N4MF6L | 200590 | MVS12N4NF6L | 245090 |
| 1600 | MVS16N3MF6L | 178220 | MVS16N3NF6L | 222720 | MVS16N4MF6L | 230370 | MVS16N4NF6L | 274870 |
| 2000 | MVS20N3MF6L | 208240 | MVS20N3NF6L | 252740 | MVS20N4MF6L | 272140 | MVS20N4NF6L | 316640 |
| 2500 | MVS25N3MF6L | 253870 | MVS25N3NF6L | 298370 | MVS25N4MF6L | 320740 | MVS25N4NF6L | 365240 |
| 3200 | MVS32N3MF6L | 363400 | MVS32N3NF6L | 407900 | MVS32N4MF6L | 448370 | MVS32N4NF6L | 492870 |
| 4000 | MVS40N3MF6L | 447520 | MVS40N3NF6L | 492020 | MVS40N4MF6L | 561050 | MVS40N4NF6L | 605550 |

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 | Example : ACB reference with ET6G trip unit - MVS08N3MF6L. For switch disconnector reference replace 6L by 0D i.e MVS08N3MF0D |
| ACB with ET6A trip unit (LCD display with Current Metering) | Add | ₹9200 | Example : ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6A trip unit replace 6L by 6A i.e MVS08N3MF6A |
| ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add | ₹21200 | Example : ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6V trip unit replace 6L by 6V 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.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

- 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
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec})=50\text{kA}@440\text{V AC}$

Fixed Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

| Rating in (A) | 3P Fix Manual Reference | Unit LP [₹] | 3P Fix Electrical Reference | Unit LP [₹] | 4P Fix Manual Reference | Unit LP [₹] | 4P Fix Electrical Reference | Unit LP [₹] |
|---------------|-------------------------|-------------|-----------------------------|-------------|-------------------------|-------------|-----------------------------|-------------|
| 800 | MVS08N3MF2L | 120210 | MVS08N3NF2L | 164710 | MVS08N4MF2L | 154850 | MVS08N4NF2L | 199350 |
| 1000 | MVS10N3MF2L | 132290 | MVS10N3NF2L | 176790 | MVS10N4MF2L | 168810 | MVS10N4NF2L | 213310 |
| 1250 | MVS12N3MF2L | 153150 | MVS12N3NF2L | 197650 | MVS12N4MF2L | 193190 | MVS12N4NF2L | 237690 |
| 1600 | MVS16N3MF2L | 170820 | MVS16N3NF2L | 215320 | MVS16N4MF2L | 222970 | MVS16N4NF2L | 267470 |
| 2000 | MVS20N3MF2L | 200840 | MVS20N3NF2L | 245340 | MVS20N4MF2L | 264740 | MVS20N4NF2L | 309240 |
| 2500 | MVS25N3MF2L | 246470 | MVS25N3NF2L | 290970 | MVS25N4MF2L | 313340 | MVS25N4NF2L | 357840 |
| 3200 | MVS32N3MF2L | 356000 | MVS32N3NF2L | 400500 | MVS32N4MF2L | 440970 | MVS32N4NF2L | 485470 |
| 4000 | MVS40N3MF2L | 440120 | MVS40N3NF2L | 484620 | MVS40N4MF2L | 553650 | MVS40N4NF2L | 598150 |

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 | Example : ACB reference with ET2L trip unit - MVS08N3MF2L. For ACB reference with ET2A trip unit replace 2L by 2A i.e MVS08N3MF2A |
| ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History) | Add ₹13800 | Example : ACB reference with ET2L trip unit - MVS08N3MF2L. For ACB reference with ET2V trip unit replace 2L by 2V 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.

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. March 12, 2018

| Pole Description | Rated Operational Current | Reference | Unit LP [₹] |
|--------------------------------------|---|--|-------------|
| Gear Motor (MCH) | | | |
| AC 50/60 Hz | 100/130 V | 47893 | 35800 |
| | 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 | |
| Closing Release (XF) | | | |
| AC 50/60 Hz DC | 24/30 V DC | 33659 | 5100 |
| | 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 | |
| Opening Release (MX) | | | |
| AC 50/60 Hz DC | 24/30 V DC, 24 V AC | 33659 | 5100 |
| | 48/60 V DC, 48 V AC | 33660 | |
| | 100/130 V AC/DC | 33661 <input checked="" type="checkbox"/> | |
| | 200/250 V AC/DC | 33662 <input checked="" type="checkbox"/> | |
| | 380/480 V AC | 33664 <input checked="" type="checkbox"/> | |
| Terminal Block | | | |
| For drawout circuit breaker | | 47849 | 210 |
| Under Voltage Release (MN) | | | |
| AC 50/60 Hz DC | 24/30 V DC, 24 V AC | 33668 | 5200 |
| | 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"/> | |
| MN Delay Unit | | | |
| AC 50/60 Hz DC | 48/60 V AC/DC | 33680 | 7600 |
| | 100/130 V AC/DC | 33681 | |
| | 200/250 V AC/DC | 33682 | |
| | 380/480 V AC/DC | 33683 | |
| | 100/130 V AC/DC | 33684 | 7100 |
| | 200/250 V AC/DC | 33685 <input checked="" type="checkbox"/> | |
| | ON/OFF Indication Contacts (Additional OF contact) | | |
| 1 additional block of 4 contacts | | 47887 | 4600 |
| Door Interlock (VPECD)/1 part | | | |
| On right hand side of chassis | | 47914 <input checked="" type="checkbox"/> | 2500 |
| Operation Counter | | | |
| Operation Counter CDM | | 48535 | 7150 |

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. March 12, 2018

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 LP [₹] | 3P Draw-Out Electrical Reference | Unit LP [₹] | 4P Draw-Out Manual Reference | Unit LP [₹] | 4P Draw-Out Electrical Reference | Unit LP [₹] |
|---------------|------------------------------|-------------|----------------------------------|-------------|------------------------------|-------------|----------------------------------|-------------|
| 800 | SPS08F3PMW6L | 130880 | SPS08F3PEW6L | 168780 | SPS08F4PMW6L | 164130 | SPS08F4PEW6L | 202030 |
| 1000 | SPS10F3PMW6L | 137130 | SPS10F3PEW6L | 175030 | SPS10F4PMW6L | 173620 | SPS10F4PEW6L | 211520 |
| 1250 | SPS12F3PMW6L | 153380 | SPS12F3PEW6L | 191280 | SPS12F4PMW6L | 195630 | SPS12F4PEW6L | 233530 |
| 1600 | SPS16F3PMW6L | 173040 | SPS16F3PEW6L | 210940 | SPS16F4PMW6L | 221450 | SPS16F4PEW6L | 259350 |

Draw-out Type circuit breaker with Microprocessor based ET2B Trip Unit

| Rating in (A) | 3P Draw-Out Manual Reference | Unit LP [₹] | 3P Draw-Out Electrical Reference | Unit LP [₹] | 4P Draw-Out Manual Reference | Unit LP [₹] | 4P Draw-Out Electrical Reference | Unit LP [₹] |
|---------------|------------------------------|-------------|----------------------------------|-------------|------------------------------|-------------|----------------------------------|-------------|
| 800 | SPS08F3PMW2B | 129080 | SPS08F3PEW2B | 166980 | SPS08F4PMW2B | 162330 | SPS08F4PEW2B | 200230 |
| 1000 | SPS10F3PMW2B | 135330 | SPS10F3PEW2B | 173230 | SPS10F4PMW2B | 171820 | SPS10F4PEW2B | 209720 |
| 1250 | SPS12F3PMW2B | 151580 | SPS12F3PEW2B | 189480 | SPS12F4PMW2B | 193830 | SPS12F4PEW2B | 231730 |
| 1600 | SPS16F3PMW2B | 171240 | SPS16F3PEW2B | 209140 | SPS16F4PMW2B | 219650 | SPS16F4PEW2B | 257550 |

Draw-out Type switch disconnector without protection

| Rating in (A) | 3P Draw-Out Manual Reference | Unit LP [₹] | 3P Draw-Out Electrical Reference | Unit LP [₹] | 4P Draw-Out Manual Reference | Unit LP [₹] | 4P Draw-Out Electrical Reference | Unit LP [₹] |
|---------------|------------------------------|-------------|----------------------------------|-------------|------------------------------|-------------|----------------------------------|-------------|
| 800 | SPS08F3PMW0D | 116680 | SPS08F3PEW0D | 154580 | SPS08F4PMW0D | 149930 | SPS08F4PEW0D | 187830 |
| 1000 | SPS10F3PMW0D | 122930 | SPS10F3PEW0D | 160830 | SPS10F4PMW0D | 159420 | SPS10F4PEW0D | 197320 |
| 1250 | SPS12F3PMW0D | 139180 | SPS12F3PEW0D | 177080 | SPS12F4PMW0D | 181430 | SPS12F4PEW0D | 219330 |
| 1600 | SPS16F3PMW0D | 158840 | SPS16F3PEW0D | 196740 | SPS16F4PMW0D | 207250 | SPS16F4PEW0D | 245150 |

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, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018



- 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 LP [₹] | 3P Fixed Electrical Reference | Unit LP [₹] | 4P Fixed Manual Reference | Unit LP [₹] | 4P Fixed Electrical Reference | Unit LP [₹] |
|---------------|---------------------------|-------------|-------------------------------|-------------|---------------------------|-------------|-------------------------------|-------------|
| 800 | SPS08F3PMF6L | 100540 | SPS08F3PEF6L | 138440 | SPS08F4PMF6L | 122230 | SPS08F4PEF6L | 160130 |
| 1000 | SPS10F3PMF6L | 105850 | SPS10F3PEF6L | 143750 | SPS10F4PMF6L | 131240 | SPS10F4PEF6L | 169140 |
| 1250 | SPS12F3PMF6L | 122040 | SPS12F3PEF6L | 159940 | SPS12F4PMF6L | 152260 | SPS12F4PEF6L | 190160 |
| 1600 | SPS16F3PMF6L | 141320 | SPS16F3PEF6L | 179220 | SPS16F4PMF6L | 174060 | SPS16F4PEF6L | 211960 |

Fixed Type circuit breaker with Microprocessor based ET2B Trip Unit

| Rating in (A) | 3P Fixed Manual Reference | Unit LP [₹] | 3P Fixed Electrical Reference | Unit LP [₹] | 4P Fixed Manual Reference | Unit LP [₹] | 4P Fixed Electrical Reference | Unit LP [₹] |
|---------------|---------------------------|-------------|-------------------------------|-------------|---------------------------|-------------|-------------------------------|-------------|
| 800 | SPS08F3PMF2B | 98740 | SPS08F3PEF2B | 136640 | SPS08F4PMF2B | 120430 | SPS08F4PEF2B | 158330 |
| 1000 | SPS10F3PMF2B | 104050 | SPS10F3PEF2B | 141950 | SPS10F4PMF2B | 129440 | SPS10F4PEF2B | 167340 |
| 1250 | SPS12F3PMF2B | 120240 | SPS12F3PEF2B | 158140 | SPS12F4PMF2B | 150460 | SPS12F4PEF2B | 188360 |
| 1600 | SPS16F3PMF2B | 139520 | SPS16F3PEF2B | 177420 | SPS16F4PMF2B | 172260 | SPS16F4PEF2B | 210160 |

Fixed Type switch disconnector without protection

| Rating in (A) | 3P Fixed Manual Reference | Unit LP [₹] | 3P Fixed Electrical Reference | Unit LP [₹] | 4P Fixed Manual Reference | Unit LP [₹] | 4P Fixed Electrical Reference | Unit LP [₹] |
|---------------|---------------------------|-------------|-------------------------------|-------------|---------------------------|-------------|-------------------------------|-------------|
| 800 | SPS08F3PMF0D | 86340 | SPS08F3PEF0D | 124240 | SPS08F4PMF0D | 108030 | SPS08F4PEF0D | 145930 |
| 1000 | SPS10F3PMF0D | 91650 | SPS10F3PEF0D | 129550 | SPS10F4PMF0D | 117040 | SPS10F4PEF0D | 154940 |
| 1250 | SPS12F3PMF0D | 107840 | SPS12F3PEF0D | 145740 | SPS12F4PMF0D | 138060 | SPS12F4PEF0D | 175960 |
| 1600 | SPS16F3PMF0D | 127120 | SPS16F3PEF0D | 165020 | SPS16F4PMF0D | 159860 | SPS16F4PEF0D | 197760 |

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 LP [₹] |
|--|---------------------------|-----------|-------------|
| Gear Motor (MCH) | | | |
| AC 50/60 Hz | 100/130 V | 33176 | 36000 |
| | 200/240 V | 33177 | 36000 |
| | 277/415 V | 33179 | 36000 |
| DC | 24/30 V | 33185 | 36000 |
| | 48/60 V | 33186 | 36000 |
| | 100/125 V | 33187 | 36000 |
| | 200/250 V | 33188 | 36000 |
| Terminal Block | | | |
| For Fixed circuit breaker | | 47074 | 190 |
| For Drawout circuit breaker | | 33098 | 215 |
| ON/OFF Indication contacts (OF) 1Part | | | |
| Changeover contact 6A | 240V | 47076 | 1050 |
| Ready to close contact | | | |
| Changeover contact 5A | 240V | 47080 | 2400 |
| Door interlock (VPECD)/1 part | | | |
| Right side of chassis | | 33172 | 2200 |

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. March 12, 2018

“Ecodial Advance Calculation 4” sizing software

The reference tool for
electrical installations
compliant and
performant



To download Ecodial Advance Calculation Version:
<https://hto.power.schneider-electric.com/ecodialadvancecalculation/#/homepage>

To download Ecodial plugin for AutoCAD Version 1.3:
<http://hto.power.schneider-electric.com/EcodialPlugin/#/>

Unequaled For you benefits



Time savings and increased productivity

- > User-friendly and intuitive software.
- > Verification of electrical network consistency prior to calculation of solutions.
- > Errors reported and identified on the single-line diagram.
- > Calculation reports and information immediately usable (deliverables ready to use: single Word document, printable and convertible to PDF).

High added value level

- > Consideration of the installation operating modes and the need for continuity of supply.
- > Consistency of choices between calculated switchgear and proposed equipment (for example: compatibility between switchgear and switchboard or Canalis).
- > Harmonisation of the protection schedule:
- > Ecodial Advance Calculation 4 lets you easily customise the protection choices out of the alternatives.

Enhanced expert image

- > Compliance with calculation standards: compliance with the CENELEC TR50480 technical report.
- > Compliance with installation standards: non-conformities are automatically reported.
- > Compliance with product standards: all recommended Schneider Electric products comply with applicable standards.
- > Guarantee of having the most up-to-date offers.
- > Complete study file: automatic generation of design notes and cable and protection schedule.

For your customers

Shorter design times

- > No time wasted in calculation, search for current products conforming to standards, processing of data and deliverables, etc.

Installation conforming to applicable standards

- > Complete compliance with calculation and installation standards.
 - > Guaranteed safety of persons and equipment.
- Reworking to conformity

of the existing installation.

Optimised latest generation solution

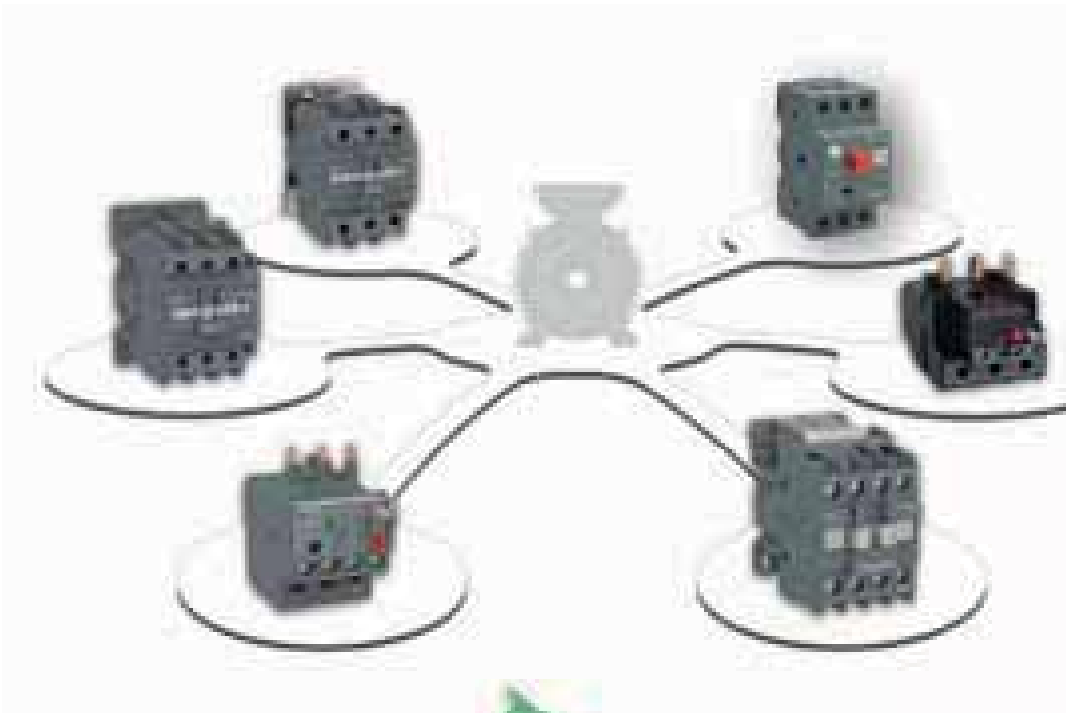
- > Installation operating constraints and need for continuity of supply are taken into account as from the design stage.
- > Choice of products out of the latest Schneider Electric ranges.

NEW

EasyPact TVS

The Easy choice for simplicity and flexibility

- 3 Pole and 4 Pole Power Contactor
- Thermal Overload Relay
- Motor Protection Circuit Breaker
- Accessories



Designed for the Essential

Power Contactors - ETVS(3 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 6A to 630A, AC3 Rating
- Type 2 co-ordination chart available with Fuse, MPCB and MCCB.
- Wide Band Coil in 6 - 40BA for 220 & 415VAC
- New dual frequency coil available for select coil ratings

| [Ie] Rated Operational Current | | motor Power at 415 V, 3Ph, 50Hz | | Auxiliary Contacts | | Reference | Unit MRP [₹] |
|--------------------------------|------|---------------------------------|-------|--------------------|----|---|--------------|
| AC-1 | AC-3 | hP | kW | NO | NC | | |
| 20 A | 6 A | 3 | 2.2 | - | 1 | LC1E0601* <input checked="" type="checkbox"/> | 830 |
| | | | | 1 | - | LC1E0610* <input checked="" type="checkbox"/> | 830 |
| 25 A | 9 A | 5.5 | 4 | - | 1 | LC1E0901* <input checked="" type="checkbox"/> | 870 |
| | | | | 1 | - | LC1E0910* <input checked="" type="checkbox"/> | 870 |
| 25 A | 12 A | 7.5 | 5.5 | - | 1 | LC1E1201* <input checked="" type="checkbox"/> | 970 |
| | | | | 1 | - | LC1E1210* <input checked="" type="checkbox"/> | 970 |
| 32 A | 18 A | 12 | 9 | - | 1 | LC1E1801* <input checked="" type="checkbox"/> | 1110 |
| | | | | 1 | - | LC1E1810* <input checked="" type="checkbox"/> | 1110 |
| 36A | 25 A | 15 | 11 | - | 1 | LC1E2501* <input checked="" type="checkbox"/> | 1500 |
| | | | | 1 | - | LC1E2510* <input checked="" type="checkbox"/> | 1500 |
| 50 A | 32 A | 20 | 15 | - | 1 | LC1E3201* <input checked="" type="checkbox"/> | 3150 |
| | | | | 1 | - | LC1E3210* <input checked="" type="checkbox"/> | 3150 |
| 50 A | 38 A | 25 | 18.5 | - | 1 | LC1E3801* <input checked="" type="checkbox"/> | 3700 |
| | | | | 1 | - | LC1E3810* <input checked="" type="checkbox"/> | 3700 |
| NEW 50A | 40A | 29 | 22 | - | 1 | LC1E40B01** | 3850 |
| | | | | 1 | - | LC1E40B10** | 3850 |
| 60 A | 40 A | 29 | 22 | 1 | 1 | LC1E40* <input checked="" type="checkbox"/> | 4900 |
| 70 A | 50 A | 34 | 25/30 | 1 | 1 | LC1E50* <input checked="" type="checkbox"/> | 5950 |
| 80 A | 65 A | 50 | 37 | 1 | 1 | LC1E65* <input checked="" type="checkbox"/> | 8000 |

| [Ie] Rated Operational Current | | motor Power at 415 V, 3Ph, 50Hz | | Auxiliary Contacts | | Reference | Unit LP [₹] |
|--------------------------------|-------|---------------------------------|-----|--------------------|----|--|-------------|
| AC-1 | AC-3 | hP | kW | NO | NC | | |
| 110A | 80 A | 60 | 45 | 1 | 1 | LC1E80* <input checked="" type="checkbox"/> | 10400 |
| 120 A | 95 A | 60 | 45 | 1 | 1 | LC1E95* <input checked="" type="checkbox"/> | 12500 |
| 150 A | 120 A | 75 | 55 | 1 | 1 | LC1E120* <input checked="" type="checkbox"/> | 14800 |
| 200 A | 160 A | 120 | 90 | 1 | 1 | LC1E160* <input checked="" type="checkbox"/> | 19400 |
| 250 A | 200 A | 150 | 110 | - | - | LC1E200* <input checked="" type="checkbox"/> | 27000 |
| 300 A | 250A | 175 | 132 | - | - | LC1E250* <input checked="" type="checkbox"/> | 35580 |
| 320 A | 300 A | 215 | 160 | - | - | LC1E300* <input checked="" type="checkbox"/> | 42600 |
| 500 A | 400A | 295 | 220 | - | - | LC1E400* <input checked="" type="checkbox"/> | 54150 |
| 700 A | 500A | 375 | 280 | - | - | LC1E500* <input checked="" type="checkbox"/> | 76270 |
| 1000 A | 630A | 500 | 375 | - | - | LC1E630* <input checked="" type="checkbox"/> | 108290 |

* Reference to be completed by adding coil voltage code

Coil Voltage Code

| * VOLTAGE (V AC) | 24 | 110 | 220 | 415 |
|------------------|----|-----|------|------|
| LC1E06..LC1E95 | B7 | F7 | M7 | N5 |
| LC1E120..LC1E300 | B5 | F5 | M5 | N5 |
| LC1E400..LC1E630 | B7 | F7 | M7 | N7 |
| LC1E06..LC1E40B | - | - | M5WB | N5WB |

Non Standard Voltage/code: 48 VAC/E5, 380 VAC/Q5, 440 VAC/R5
Please add ₹ 120/- while ordering Contactors with Non Standard Voltages.

** 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. March 12, 2018

Power Contactors - ETVS (4 Pole AC Control)



- Conformance to IEC 60947-4-1
- Current Rating: 16A to 125A, AC1 rating
- Available in 4NO and 2NO+2NC Power Pole combination
- Wide Band Coil for all ratings in 220 & 415 VAC

| AC-1 Rating | Power Poles | Reference | Unit MRP [₹] | Power Poles | Reference | Unit MRP [₹] |
|---------------|-------------|------------|--------------|-------------|------------|--------------|
| 16 | 4NO | LC1E06004* | 940 | 2NO + 2NC | LC1E06008* | 1190 |
| 20 | 4NO | LC1E09004* | 1000 | 2NO + 2NC | LC1E09008* | 1260 |
| 25 | 4NO | LC1E12004* | 1090 | 2NO + 2NC | LC1E12008* | 1370 |
| 32 | 4NO | LC1E18004* | 1150 | 2NO + 2NC | LC1E18008* | 1510 |
| 40 | 4NO | LC1E25004* | 1810 | 2NO + 2NC | LC1E25008* | 2490 |
| 45 | 4NO | LC1E32004* | 3030 | 2NO + 2NC | LC1E32008* | 3850 |
| NEW 60 | 4NO | LC1E38004* | 3570 | 2NO + 2NC | LC1E38008* | 4860 |
| 60 | 4NO | LC1E40004* | 5640 | 2NO + 2NC | LC1E40008* | 7490 |
| 80 | 4NO | LC1E65004* | 7660 | 2NO + 2NC | LC1E65008* | 9550 |

| AC-1 Rating | Power Poles | Reference | Unit LP [₹] | Power Poles | Reference | Unit LP [₹] |
|-------------|-------------|------------|-------------|-------------|------------|-------------|
| 100 | 4NO | LC1E80004* | 10070 | 2NO + 2NC | LC1E80008* | 14130 |
| 125 | 4NO | LC1E95004* | 11420 | 2NO + 2NC | LC1E95008* | 16930 |

* Reference to be completed by adding coil voltage code

Control Relays - ETVS (AC Control)

| Auxiliary Contacts | | Reference | Unit MRP [₹] |
|--------------------|----|-----------|--------------|
| NO | NC | | |
| 4 | 0 | CAE40* | 880 |
| 3 | 1 | CAE31* | |
| 2 | 2 | CAE22* | |

* Reference to be completed by adding coil voltage code

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 | B5 | F5 | M5 | N5 |

Note:

- 4P power contactor also available at 48VAC E7 and 380VAC Q7
- Add ₹120 while ordering non-standard voltages

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 [₹] |
|-------------------------------------|------------------------|--|--------------|
| 0.1...0.16 A | E06...E40B | LRE01 | 1320 |
| 0.16...0.25 A | E06...E40B | LRE02 | |
| 0.25...0.4 A | E06...E40B | LRE03 | |
| 0.4...0.63 A | E06...E40B | LRE04 | |
| 0.63...1 A | E06...E40B | LRE05 <input checked="" type="checkbox"/> | |
| 1...1.6 A | E06...E40B | LRE06 <input checked="" type="checkbox"/> | |
| 1.6...2.5 A | E06...E40B | LRE07 <input checked="" type="checkbox"/> | |
| 2.5...4 A | E06...E40B | LRE08 <input checked="" type="checkbox"/> | |
| 4...6 A | E06...E40B | LRE10 <input checked="" type="checkbox"/> | |
| 5.5...8 A | E09...E40B | LRE12 <input checked="" type="checkbox"/> | |
| 7...10 A | E09...E40B | LRE14 <input checked="" type="checkbox"/> | |
| 9...13 A | E12...E40B | LRE16 <input checked="" type="checkbox"/> | |
| 12...18 A | E18...E40B | LRE21 <input checked="" type="checkbox"/> | |
| 16...24 A | E25...E40B | LRE22 <input checked="" type="checkbox"/> | 1740 |
| 23...32 A | E25...E40B | LRE32 <input checked="" type="checkbox"/> | 2340 |
| 30...38 A | E40B | LRE35 <input checked="" type="checkbox"/> | 2600 |
| 17...25 A | E40...E95 | LRE322 | 2970 |
| 23...32 A | E40...E95 | LRE353 | |
| 30...40 A | E40...E95 | LRE355 | |
| 37...50 A | E50...E95 | LRE357 <input checked="" type="checkbox"/> | |
| 48...65 A | E65...E95 | LRE359 | |

| Thermal Protection Adjustment Range | For Use with Contactor | Reference | Unit LP [₹] |
|-------------------------------------|------------------------|-----------|-------------|
| 55...70 A | E80...E95 | LRE361 | 4460 |
| 63...80 A | E80...E95 | LRE363 | 4400 |
| 80...104 A | E95 | LRE365 | |
| 51...81 A | E120...E300 | LRE480 | 8640 |
| 62...99 A | E120...E300 | LRE481 | |
| 84...135 A | E120...E300 | LRE482 | |
| 124...198 A | E160...E300 | LRE483 | |
| 146...234 A | E200...E300 | LRE484 | |
| 174...279 A | E250...E300 | LRE485 | |
| 208...333 A | E300 | LRE486 | 9380 |
| 258...414 A | E300...E400 | LRE487 | 11540 |
| 321...513 A | E500 | LRE488 | 12510 |
| 394...630 A | E630 | LRE489 | 13520 |

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit LP: ₹500
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit LP: ₹ 1470

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. March 12, 2018

| Contactor | Reference | Unit LP [₹] |
|------------------------|-----------|-------------|
| CAE, LC1E06...E18 | LAEX12* | 780 |
| LC1E25 | | |
| LC1E32/E38 | LAEX2* | 960 |
| LC1E40/E65 | LAEX3* | 1420 |
| LC1E80/E95 | LAEX4* | 1780 |
| LC1E120/E160 | LAEX5* | 1980 |
| LC1E200/E250 | LAEX6* | 2770 |
| LC1E300 | LAEX7* | 3015 |
| LC1E0600*... LC1E1800* | LAEX1T* | 900 |
| LC1E2500*... LC1E3800* | LAEX2T* | 1075 |
| LC1E4000*...LC1E9500* | LAEX4T* | 1900 |

* Reference to be completed by adding coil voltage code

| * VOLTAGE (V AC) | 24 | 110 | 220 | 415 |
|------------------|----|-----|------|------|
| LC1E06..LC1E95 | B7 | F7 | M7 | N5 |
| LC1E120..LC1E300 | B5 | F5 | M5 | N5 |
| LC1E400..LC1E630 | B7 | F7 | M7 | N7 |
| LC1E06..LC1E40B | - | - | M5WB | N5WB |

Note:

- Add ₹ 120 while ordering non-standard voltages

Accessories - For ETVS Contactors

| Description | For Use with | Mounting | Contacts | Reference | Unit LP [₹] |
|-------------------------|---|----------|----------|--|-------------|
| Auxillary Contact Block | LC1E06..E630 & LC1E0600*.. LC1E9500* | Front | 1NO+1NC | LAEN11 <input checked="" type="checkbox"/> | 240 |
| | | | 2NO | LAEN20 <input checked="" type="checkbox"/> | 240 |
| | | | 2NC | LAEN02 <input checked="" type="checkbox"/> | 280 |
| | | | 2NO+2NC | LAEN22 <input checked="" type="checkbox"/> | 440 |
| | | | 4NO | LAEN40 <input checked="" type="checkbox"/> | 440 |
| Star Delta Timer | LC1E25..E630 | | | LAETSD <input checked="" type="checkbox"/> | 2000 |

| Description | For Use with | Coil Voltage | Reference | Unit LP [₹] |
|------------------|---------------|---------------|-----------|-------------|
| Surge Suppressor | LC1E06...E95* | 24..48 V AC | LAERCE | 770 |
| | LC1E06...E95* | 50..127 V AC | LAERCG | |
| | LC1E06...E95* | 110..240 V AC | LAERCU | |
| | LC1E06...E95* | 380..415 V AC | LAERCN | |

| Description | For Use with | Reference | Unit LP [₹] |
|----------------------|---------------------------------|-----------|-------------|
| Mechanical Interlock | LC1E06..E65 & LC1E0600*..E3800* | LAEM1 | 500 |
| | LC1E80..E95 & LC1E4000*..E9500* | LAEM4 | 1630 |
| | LC1E120..E160 | LAEM5 | 3040 |
| | LC1E200..E250 | LAEM6 | 3100 |
| | LC1E300..E500 | LAEM7 | 3940 |
| | LC1E630 | LAEM8 | 4200 |

*Reference to be completed by adding coil voltage

3 Pole Accessories compatibility

| Contactor | Built in contacts | LAEN** | LAETSD | LAERC* | LAEM |
|----------------|-------------------|--------|--------|--------|------|
| LC1E06 | | | | | |
| LC1E09 | | | | | |
| LC1E12 | | 1 | - | | |
| LC1E18 | 1 NO or 1NC | | | | |
| LC1E25 | | | | | |
| LC1E32 | | | | 1 | |
| LC1E38/LC1E40B | | | | | |
| LC1E40 | | | | | |
| LC1E50 | | 1 or 1 | | | |
| LC1E65 | | | | | 1 |
| LC1E80 | 1 NO or 1NC | | | | |
| LC1E95 | | | | | |
| LC1E120 | | | | | |
| LC1E160 | | | | | |
| LC1E200 | | | | | |
| LC1E250 | | | | | |
| LC1E300 | | 2 or 0 | | - | |
| LC1E400 | | 1 or 1 | | | |
| LC1E500 | | | | | |
| LC1E630 | | | | | |

4 Pole Accessories compatibility

| Contactor | LAEN** | LAETSD | LAERC* |
|-----------|--------|--------|--------|
| LC1E06 | | | |
| LC1E09 | | | |
| LC1E12 | 1 | - | |
| LC1E18 | | | |
| LC1E25 | | | |
| LC1E32 | | | 1 |
| LC1E38 | | | |
| LC1E40 | | | |
| LC1E50 | 1 or 1 | | |
| LC1E65 | | | |
| LC1E80 | | | |
| LC1E95 | | | |

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. March 12, 2018

Motor Protection Circuit Breaker - ETVS



- Conformance to IEC60947-1,-2,-4, CE Marking
- Range : 0.1A to 32A
- Short Circuit and Overload Protection
- Breaking Capacity upto 100KA

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Thermal Protection Adjustment Range (A) | Reference | Unit MRP [₹] |
|----------------------------------|-------------------|------|---|-----------|--------------|
| | kW | hP | | | |
| 100 kA | - | - | 0.1 - 0.16 | GZ1E01 | 2450 |
| | 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 | 3500 |
| | 7.5 | 10 | 13 - 18 | GZ1E20 | 3800 |
| | 9 | 12.5 | 17 - 23 | GZ1E21 | 4000 |
| | 11 | 15 | 20 - 25 | GZ1E22 | 4200 |
| | 15 | 20 | 24 - 32 | GZ1E32 | 7500 |

Accessories - ETVS MPCB

| Description | Mounting | Contacts | Reference | Unit LP [₹] |
|-------------------------|-----------------|----------|-----------|-------------|
| Auxiliary Contact Block | LH Side Mounted | 1NO+1NC | GZ1AN11 | 820 |
| | | 2NO | GZ1AN20 | 1030 |

| Description | Mounting | Range | Reference | Unit LP [₹] | |
|-----------------------|-----------------|-------------|-----------|-------------|------|
| Electric Trips | | | | | |
| Undervoltage | RH Side Mounted | 110...115 V | 50 Hz | GZ1AU115 | 2230 |
| | | 220...240 V | 50 Hz | GZ1AU225 | 2230 |
| | | 380...400 V | 50 Hz | GZ1AU385 | 3080 |
| Shunt trip | | 110...115 V | 50 Hz | GZ1AS115 | 2230 |
| | | 220...240 V | 50 Hz | GZ1AS225 | 2230 |

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. March 12, 2018

Let TeSys be your drive

Intuitive solutions to protect, monitor and control your motor

TeSys offers the best in class features you need for protection, safety, monitoring and control of motor and power applications. TeSys matches a diverse range of solutions from the most common through the most advanced. Wherever you are in the world, and whichever TeSys products you choose like contactors, circuit breakers, thermal relays, among others, you can count on receiving the reliability, standards-compatibility, ease of ordering and installation you need.



Boosts your productivity

- Make installation easier
 - >
 - >
- Optimize the organization of your switchboards
 - >
 - >
- Increase service continuity
 - >
 - >

Improves safety

- Equip your machines with TeSys products
 - >
 - >

Adapts to any situation

- Discover a wide range of protection and control products
 - >
 - >
- Export your machines worldwide
 - >
- >

Simplifies smart installation design

- Choose the right products quickly and easily
 - >
 - >
- Recommend supervision and control solutions
 - >
 - >
- Extend motor lifetime
 - >
 - >

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. March 12, 2018



Efficient power for your business

According to new regulations coming into force in the EU, from 1 January 2015 motors from 7.5 kW to 375 kW must be IE3 compliant. **By implementing IE3 motors now, you are preparing for the future.**

With the TeSys range, you know that your operations are ready for premium-efficiency motors. You also benefit directly from lower energy and life-cycle costs as well as a reduced environmental impact.

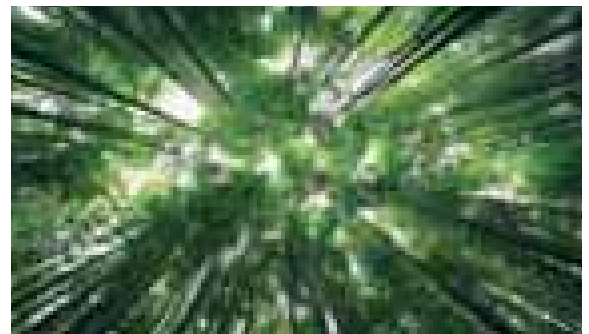


Best-in-class solutions for motors

With TeSys you can introduce premium-efficiency motors to your machinery with peace of mind. Tested for magnetic, thermal, and electrical endurance, the TeSys range has proven fully compatible with IE3 motors and ready for a higher peak inrush current.

Best-in-class TeSys products include:

- A complete range of equipment, including contactors, circuit breakers, thermal relays
- Energy efficiency and reduced CO² emissions thanks to a low consumption coil
- A high level of safety and reliability thanks to a robust, quality design
- Ease of selection, installation, and maintenance with no need for derating
- Worldwide availability and support



Go greener with TeSys

All TeSys products are certified with the Green Premium eco-mark, a standard implemented by Schneider Electric to provide comprehensive information on the environmental impact of a product.

The Green Premium mark assures compliance with the most up-to-date environmental regulations, including RoHS and REACH. With TeSys you can develop an effective environmental policy, as the range offers technical support and advice for eco-design projects.



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 LP [₹] | DC Control Reference ⁽⁴⁾ | Unit LP [₹] | DC low consumption Reference ^{(1) (2) (3)} | Unit LP [₹] |
|-------------|----------------------|-------------|-------------------------------------|-------------|---|-------------|
| 2NO + 2NC | CA2KN22* | 1100 | CA3KN22** | 1540 | CA4KN22*** | 1870 |
| 3NO + 1NC | CA2KN31* | | CA3KN31** | | CA4KN31*** | |
| 4NO + 0NC | 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)

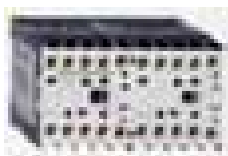


- Conformance to IEC, UL, CSA
- Current Rating : 6A to 16 A, AC-3 duty
- 1NO or 1NC inbuilt auxiliary contact
- Available in 3P & 4P version
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption⁽⁵⁾ coil options

| [le] Rated Operational Current (A) | Motor Power (kW) | Auxiliary Contacts | AC Control Reference | Unit LP [₹] | DC Control Reference ⁽⁵⁾ | Unit LP [₹] |
|------------------------------------|------------------|--------------------|----------------------|-------------|-------------------------------------|-------------|
| 6 | 3 | 1 NC | LC1K0601* | 980 | LP1K0601** | 1450 |
| | | 1 NO | LC1K0610* | | LP1K0610** | |
| 9 | 5.5 | 1 NC | LC1K0901* | 1020 | LP1K0901** | 1620 |
| | | 1 NO | LC1K0910* | | LP1K0910** | |
| 12 | 7.5 | 1 NC | LC1K1201* | 1130 | LP1K1201** | 1780 |
| | | 1 NO | LC1K1210* | | LP1K1210** | |
| 16 | 10 | 1 NC | LC1K1601* | 1350 | - | - |
| | | 1 NO | 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 16 A, 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⁽⁶⁾ coil options

| [le] Rated Operational Current (A) | Motor Power (kW) | Auxiliary Contacts | AC Control Reference | Unit LP [₹] |
|------------------------------------|------------------|--------------------|----------------------|-------------|
| 6 | 3 | 1 NC | LC2K0601* | 3040 |
| | | 1 NO | LC2K0610* | |
| 9 | 5.5 | 1 NC | LC2K0901* | 3210 |
| | | 1 NO | LC2K0910* | |
| 12 | 7.5 | 1 NC | LC2K1201* | 3310 |
| | | 1 NO | LC2K1210* | |
| 16 | 10 | 1 NC | LC2K1601* | 3710 |
| | | 1 NO | 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 |
|--------------------------------|-------------------------|-----|-----|-----|-----|-----|-----|
| CA2KN, LC1-K06 to K16, 50/60Hz | | B7 | - | - | F7 | M7 | N7 |
| | LC2-K06 to K16, 50/60Hz | - | - | - | F7 | M7 | N7 |
| CA3KN, LP1-K06 to K12 | | BD | - | - | FD | MD | - |
| CA4KN | | BW3 | EW3 | SW3 | - | - | - |

Note: For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit Price of the standard contactor of the same 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. March 12, 2018

Accessories - K Model

| Description | Mounting | Contacts | Reference | Unit LP [₹] |
|-------------------------|----------|-------------|---|-------------|
| Auxiliary contact block | Front | 2 NC | LA1KN02 | 350 |
| | | 1 NO + 1 NC | LA1KN11 <input checked="" type="checkbox"/> | |
| | | 2 NO | LA1KN20 | |
| | | 4 NC | LA1KN04 | |
| | | 1 NO + 3 NC | LA1KN13 | 550 |
| | | 2 NO + 2 NC | LA1KN22 <input checked="" type="checkbox"/> | |
| | | 3 NO + 1 NC | LA1KN31 | |
| | | 4 NO | LA1KN40 | |

| Description | Control Voltage | Range | Reference | Unit LP [₹] |
|---------------------------|-----------------|--------|-------------|-------------|
| On Delay Electronic Timer | 24..48 V AC/DC | 1..30S | LA2KT2E(1) | 1820 |
| | 110..240 V AC | 1..30S | LA2KT2UA(1) | |

| Description | Coil Voltage | Reference | Unit LP [₹] |
|-------------------------------|------------------|-----------|-------------|
| Surge Suppressor - RC Circuit | 220..250V AC | LA4KA1U* | 560 |
| Surge Suppressor - Varistor | 130..250 V AC/DC | LA4KE1UG* | |
| Surge Suppressor - Varistor | 50..129V AC/DC | LA4KE1FC* | |

* Lot size 5

(1) Front mounted with common point changeover contact

Thermal Overload Relays - K Model (Direct Mounting)



- Conformance to IEC, UL, CSA, CE
- Range : 0.1A to 16A
- Direct & Independent mounting
- Trip class 10A

| Thermal Protection Adjustment Range | For Use With | Reference* | Unit LP [₹] | |
|-------------------------------------|------------------------------|------------|-------------|------|
| 0.11...0.16 A | LC1K, LP1K, LP4K, LP2K, LC2K | LR2K0301 | 1560 | |
| 0.16...0.23 A | | LR2K0302 | | |
| 0.23...0.36 A | | LR2K0303 | | |
| 0.36...0.54 A | | LR2K0304 | | |
| 0.54...0.8 A | | LR2K0305 | | |
| 0.8...1.2 A | | LR2K0306 | | |
| 1.2...1.8 A | | LR2K0307 | | |
| 1.8...2.6 A | | LR2K0308 | | |
| 2.6...3.7 A | | LR2K0310 | | |
| 3.7...5.5 A | | LR2K0312 | | |
| 5.5...8 A | | LR2K0314 | | |
| 8...11.5 A | | LR2K0316 | | |
| 10...14 A | | LR2K0321 | | 1600 |
| 12...16 A | | LR2K0322 | | |

* **Note:** Terminal Block for Clip-on Mounting LA7K0064 Unit LP ₹ 600/-

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. March 12, 2018

TeSys D and TeSys K S207: best-in-class contactors for railway applications

Designed to comply with
railway EN45545 R22HL3 regulation

**Contactors dedicated to main or urban line trains,
high speed trains, underground trains or trams:
brake and air conditioning compressors, lighting,
door control.**

- Complete 3P range from 6A to 95A AC3
- 4P range upto 125A AC1
- Complying with the main international railway standards
- Wide range coil: 0.7...1.25 Uc
- From -25°C to 70°C side by side mounted
- Lug ring terminals
- Compact and modular
- Robust

EN45545
R22HL3
standard
Now available
from 40A - 95A
AC3



• TeSys D S207



• TeSys K S207





TeSys D Green





The Revolutionary Electronic Coil Contactor



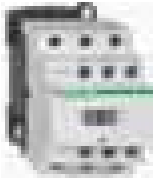
New
80A AC3
offer available
in 55mm frame



| | | | |
|------------------------------|----------------------|-------------|-----------|
| 3 frame sizes | 9 to 18A | 25 to 38A | 40 to 80A |
| | 24 to 60V | 48 to 130V | |
| 4 coil ratings | 110 to 250V | 250 to 500V | |
| | Universal AC/DC coil | | |
| Low consumption offer 40-65A | | | |

-  Reliability - increase machine uptime
-  Efficiency - increase energy efficiency
-  Productivity - easier integration with automation architectures
-  Flexibility - easier design and streamlining of stock

Control Relays - D model (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 ⁽²⁾ | Unit MRP [₹] | DC low consumption Reference ^{(1) (2) (3)} | Unit MRP [₹] |
|-------------|----------------------|--------------|-------------------------------------|--------------|---|--------------|
| 3NO+2NC | CAD32* | 1200 | CAD32** | 1750 | CAD32*** | 2080 |
| 5NO+0NC | 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

Power Contactors - D Model (3 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 9A to 150 A
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature, no derating upto 60 Deg C
- Inbuilt 1 NO + 1 NC auxiliary contacts upto 150A
- High electrical and mechanical life
- Fuse-less Type 2 Coordination Charts available
- EverLink[®] terminal for 40, 50, 65 & 80A contactors
- Inbuilt surge suppressor in DC coil for 9-80A

| [Ie] Rated Operational Current AC1 | AC3 Duty (Long Life) | | | AC3 Duty (Normal Life) | | | Auxiliary Contacts | AC Control Reference | Unit MRP [₹] | DC Control Reference ⁽¹⁾ | Unit MRP [₹] |
|------------------------------------|----------------------|------|----|------------------------|------|----|--------------------|--|--------------|--|--------------|
| | kW | hP | A | kW | hP | A | | | | | |
| 25 | 4 | 5.5 | 9 | 5.5 | 7.5 | 12 | 1 NO + 1 NC | LC1D09* <input checked="" type="checkbox"/> | 1200 | LC1D09** <input checked="" type="checkbox"/> | 1870 |
| | 5.5 | 7.5 | 12 | 9 | 12.5 | 18 | 1 NO + 1 NC | LC1D12* <input checked="" type="checkbox"/> | 1350 | LC1D12** <input checked="" type="checkbox"/> | 2030 |
| 32 | 9 | 12.5 | 18 | 11 | 15 | 25 | 1 NO + 1 NC | LC1D18* <input checked="" type="checkbox"/> | 1500 | LC1D18** <input checked="" type="checkbox"/> | 2600 |
| 40 | 11 | 15 | 25 | 15 | 20 | 32 | 1 NO + 1 NC | LC1D25* <input checked="" type="checkbox"/> | 1950 | LC1D25** <input checked="" type="checkbox"/> | 3250 |
| 50 | 15 | 20 | 32 | 22 | 30 | 40 | 1 NO + 1 NC | LC1D32* <input checked="" type="checkbox"/> | 3850 | LC1D32** <input checked="" type="checkbox"/> | 6900 |
| | 18.5 | 25 | 38 | - | - | - | 1 NO + 1 NC | LC1D38* <input checked="" type="checkbox"/> | 5600 | LC1D38** <input checked="" type="checkbox"/> | 7850 |
| 60 | 22 | 30 | 40 | - | - | - | 1 NO + 1 NC | LC1D40A* <input checked="" type="checkbox"/> | 6000 | LC1D40A** | 9200 |
| 80 | 25 | 35 | 50 | - | - | - | 1 NO + 1 NC | LC1D50A* <input checked="" type="checkbox"/> | 7250 | LC1D50A** | 11500 |
| 80 | 37 | 50 | 65 | - | - | - | 1 NO + 1 NC | LC1D65A* <input checked="" type="checkbox"/> | 9900 | LC1D65A** | 13000 |
| 80 | 37 | 50 | 80 | - | - | - | 1 NO + 1 NC | LC1D80A* <input checked="" type="checkbox"/> | 11000 | LC1D80A* | 15800 |

| [Ie] Rated Operational Current AC1 | AC3 Duty (Long Life) | | | AC3 Duty (Normal Life) | | | Auxiliary Contacts | AC Control Reference | Unit LP [₹] | DC Control Reference ⁽¹⁾ | Unit LP [₹] |
|------------------------------------|----------------------|-----|-----|------------------------|----|-----|--------------------|--|-------------|-------------------------------------|-------------|
| | kW | hP | A | kW | hP | A | | | | | |
| 125 | 45 | 60 | 80 | 55 | 75 | 105 | 1 NO + 1 NC | LC1D80* <input checked="" type="checkbox"/> | 13000 | LC1D80** | 16000 |
| | 45 | 60 | 95 | 55 | 75 | 110 | 1 NO + 1 NC | LC1D95* | 15000 | LC1D95** | 18500 |
| 250 | 59 | 80 | 115 | - | - | - | 1 NO + 1 NC | LC1D115* | 18500 | LC1D115** | 19500 |
| | 80 | 110 | 150 | - | - | - | 1 NO + 1 NC | LC1D150* <input checked="" type="checkbox"/> | 24500 | LC1D150** | 25000 |

* Reference to be completed by adding coil voltage code

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. March 12, 2018

Power Contactors - D Model (3 Pole DC Low Consumption)

Now available upto 80A with the TeSys D Green Low Consumption offer

| [le] Rated Operational Current AC1 | Motor Power (Long Life) AC3 | | | Motor Power (Normal Life) AC3 | | | auxiliary contacts | Reference | Unit LP [₹] |
|------------------------------------|-----------------------------|------|----|-------------------------------|------|----|--------------------|--|-------------|
| | kW | hP | A | kW | hP | A | | | |
| 25 | 4 | 5.5 | 9 | 5.5 | 7.5 | 12 | 1 NO + 1 NC | LC1D09**** <input checked="" type="checkbox"/> | 2160 |
| | 5.5 | 7.5 | 12 | 9 | 12.5 | 18 | 1 NO + 1 NC | LC1D12**** <input checked="" type="checkbox"/> | 2300 |
| 32 | 9 | 12.5 | 18 | 11 | 15 | 25 | 1 NO + 1 NC | LC1D18**** <input checked="" type="checkbox"/> | 3400 |
| 40 | 11 | 15 | 25 | 15 | 20 | 32 | 1 NO + 1 NC | LC1D25**** <input checked="" type="checkbox"/> | 4400 |
| 50 | 15 | 20 | 32 | 22 | 30 | 40 | 1 NO + 1 NC | LC1D32**** <input checked="" type="checkbox"/> | 7500 |
| [le] Rated Operational Current AC1 | Motor Power (Long Life) AC3 | | | Motor Power (Normal Life) AC3 | | | auxiliary contacts | Reference | Unit LP [₹] |
| | kW | hP | A | kW | hP | A | | | |
| 60 | 22 | 30 | 40 | - | - | - | 1 NO + 1 NC | LC1D40A# | 9600 |
| 80 | 25 | 35 | 50 | - | - | - | 1 NO + 1 NC | LC1D50A# | 11900 |
| 80 | 37 | 50 | 65 | - | - | - | 1 NO + 1 NC | LC1D65A# | 13200 |
| 80 | 37 | 50 | 80 | - | - | - | 1 NO + 1 NC | LC1D80A# | 15900 |

* Reference to be completed by adding coil voltage code

Coil Voltage Code

| Type | Voltage | 24 | 48 | 72 | 110 | 220 | 415 |
|------------------------|--------------------------------|-----|----|----|-----|-----|-----|
| AC* | CAD, LC1-D09..to D150 50/60 Hz | B7 | - | - | F7 | M7 | N7 |
| DC** | CAD, LC1-D09..D150 | BD | - | - | FD | MD | - |
| DC Low Consumption*** | CAD | BL | - | - | FL | ML | - |
| DC Low Consumption**** | LC1D09...D32 | BL | EL | SL | - | - | - |
| TeSys D Green# | LC1D40A-80A | BBE | | | | | |

For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit Price of the Standard Contactor for the same rating.

Tesys D Green Contactor (3 Pole AC/DC Universal Coil)



- Current Rating: 9-65A
- Universal AC/DC coil from 24 - 500V
- Special low consumption offer from 40-80A
- Fuse-less Type 2 coordination charts available

The Revolutionary Electronic Coil Contactor

| [le] Rated Operational Current AC1 | AC3 Duty (Long Life) | | | AC3 Duty (Normal Life) | | | Auxiliary Contacts | Reference | Unit LP [₹] |
|------------------------------------|----------------------|------|----|------------------------|------|----|--------------------|-----------|-------------|
| | kW | hP | A | kW | hP | A | | | |
| 25 | 4 | 5.5 | 9 | 5.5 | 7.5 | 12 | 1 NO + 1 NC | LC1D09* | 2750 |
| | 5.5 | 7.5 | 12 | 9 | 12.5 | 18 | 1 NO + 1 NC | LC1D12* | 2880 |
| 32 | 9 | 12.5 | 18 | 11 | 15 | 25 | 1 NO + 1 NC | LC1D18* | 3850 |
| 40 | 11 | 15 | 25 | 15 | 20 | 32 | 1 NO + 1 NC | LC1D25* | 4550 |
| 50 | 15 | 20 | 32 | 22 | 30 | 40 | 1 NO + 1 NC | LC1D32* | 9000 |
| | 18.5 | 25 | 38 | - | - | - | 1 NO + 1 NC | LC1D38* | 9900 |
| 60 | 22 | 30 | 40 | - | - | - | 1 NO + 1 NC | LC1D40A* | 10900 |
| 80 | 25 | 35 | 50 | - | - | - | 1 NO + 1 NC | LC1D50A* | 12000 |
| 80 | 37 | 50 | 65 | - | - | - | 1 NO + 1 NC | LC1D65A* | 13600 |
| 80 | 37 | 50 | 80 | - | - | - | 1 NO + 1 NC | LC1D80A* | 15800 |

| [le] Rated Operational Current AC1 | AC3 Duty (Long Life) | | | AC3 Duty (Normal Life) | | | Auxiliary Contacts | Reference | Unit LP [₹] |
|------------------------------------|----------------------|----|----|------------------------|----|---|--------------------|-------------|-------------|
| | kW | hP | A | kW | hP | A | | | |
| 60 | 22 | 30 | 40 | - | - | - | 1 NO + 1 NC | LC1D40A**** | 9600 |
| 80 | 25 | 35 | 50 | - | - | - | 1 NO + 1 NC | LC1D50A**** | 11900 |
| 80 | 37 | 50 | 65 | - | - | - | 1 NO + 1 NC | LC1D65A**** | 13200 |
| 80 | 37 | 50 | 80 | - | - | - | 1 NO + 1 NC | LC1D80A**** | 15900 |

Coil Voltage Code

| Type | Voltage | 24-60VAC/DC | 48-130VAC/DC | 100-250VAC/DC | 250-415VAC/250-500VDC |
|--------------------------|-----------------------------|--------------------|--------------|---------------|-----------------------|
| AC/DC* | LC1D09 - D38, LC1D40A - 80A | BNE | EHE | KUE | |
| 24V DC Low Consumption** | LC1D40A - 80A | BBE (24 V DC only) | | | |

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. March 12, 2018

Power Contactors - D Model (4 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 20A to 250A, AC1 Rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption (1) coil options
- High Operating ambient temperature, no derating upto 60° C

| [le] Rated Operational Current AC1 | Poles Composition | AC control Reference | Unit MRP [₹] | DC control Reference | Unit MRP [₹] |
|------------------------------------|-------------------|----------------------|--------------|----------------------|--------------|
| 20 | 4NO | - | - | LC1DT20** | 1920 |
| | 2NO+2NC | - | - | LC1D098** | 2290 |
| 25 | 4NO | - | - | LC1DT25** | 2430 |
| | 2NO+2NC | - | - | LC1D128** | 3210 |
| 32 | 4NO | - | - | LC1DT32** | 2890 |
| | 2NO+2NC | - | - | LC1D188** | 3830 |
| 40 | 4NO | - | - | LC1DT40** | 4530 |
| | 2NO+2NC | - | - | LC1D258** | 5960 |
| 60 | 4NO | - | - | LC1DT60A** | 9510 |
| | 2NO+2NC | - | - | LP1D40008** | 11860 |

| [le] Rated Operational Current AC1 | Poles Composition | AC control Reference | Unit LP [₹] | DC control Reference | Unit LP [₹] |
|------------------------------------|-------------------|----------------------|-------------|----------------------|-------------|
| 80 | 4NO | - | - | LC1DT80A** | 14190 |
| | 2NO+2NC | - | - | LP1D65008** | 16030 |
| 125 | 4NO | - | - | LP1D80004** | 17710 |
| | 2NO+2NC | - | - | LP1D80008** | 20200 |
| 250 | 4NO | LC1D1150046* | 23180 | LC1D1150046** | 25620 |

* Reference to be completed by adding coil voltage code

Coil Voltage Code

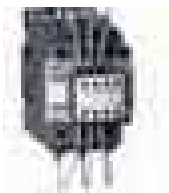
| | VOLTAGE | 24 | 110 | 220 | 415 |
|------|---|----|-----|-----|-----|
| AC* | LC1D115 50/60Hz | - | F7 | M7 | N7 |
| DC** | LC1DT20..LC1DT80* , LC1D09*..LC1D25* , LP1D40..LP1D80* , LC1D115* | BD | FD | MD | - |

Note: Please contact CCC for 4 Pole Ac coil contactor details

For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit price of the standard contactor of the same rating.

(1) For current rating and ref please contact Customer Care

Capacitor Duty Contactors (AC Control)



- Conformance to IEC 60070 and 60831, CSA
- Special Contactors designed for switching of 3 Phase, single or multi step capacitor bank#
- Current limiting using block of early make poles and damping resistors
- Inbuilt auxiliary contacts

| Nominal Reactive Power 440 V | Auxiliary Contacts | Reference | Unit MRP [₹] |
|------------------------------|--------------------|------------|--------------|
| 12.5 KVAR | 1 NO + 2 NC | LC1DFK* | 2600 |
| 16.7 KVAR | 1 NO + 1 NC | LC1DGK11*C | 3650 |
| 20 KVAR | 1 NO + 2 NC | LC1DLK* | 4100 |
| 25 KVAR | 1 NO + 1 NC | LC1DMK11*C | 4500 |
| 33.3 KVAR | 1 NO + 2 NC | LC1DPK*C | 9800 |
| 40 KVAR | 1 NO + 2 NC | LC1DTK*C | 13500 |
| 60 KVAR | 1 NO + 2 NC | LC1DWK*C | 15200 |

#Contactor recommended upto 6 steps. For over 6 steps it is recommended to use chokes

* Reference to be completed by adding coil voltage code

* Coil Voltage Code

| VOLTAGE | 110 | 220 |
|-----------------------|-----|-----|
| LC1DFK...DWK, 50/60Hz | F7 | M7 |

Note: For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit price of the standard contactor of the same rating.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

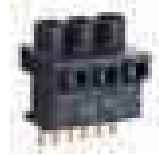
W.E.F. March 12, 2018

| Description | For use with | Reference | Unit LP [₹] |
|--|---|-------------|-------------|
| Power connection accessories | | | |
| Terminal block | For supply to one or more GV2 G busbar sets | GV1G09 | 1350 |
| Set of 63 A busbars for paralleling of contactors | 2 contactors LC1 D09...D18 or D25...D38 | GV2G245 | 1010 |
| | 4 contactors LC1 D09...D18 or D25...D38 | GV2G445 | 1600 |
| Set of 115 A busbars for paralleling of contactors | 2 contactors LC1 D40A...D80A | GV3G264 | 1820 |
| | 3 contactors LC1 D40A...D80A | GV3G364 (1) | 970 |
| Set of S-shape busbars | For circuit breakers GV3P** & GV3L** and contactors LC1 D40A...D65A | GV3S | 730 |

**Not applicable for GV3P/GV3L 73A and 80A



GV2G245

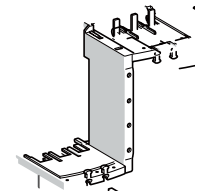


GV1G09

| Description | For use with | Reference | Unit LP [₹] |
|-----------------------------|---|-----------|-------------|
| Mechanical interlock | LC1 D09 to D38 (1) | LAD9V2 | 480 |
| | LC1 D40A to D65A (1) | LAD4CM | 980 |
| | LC1 D80 and D95 (for AC control voltage) (2) | LA9D4002 | 2140 |
| | LC1 D80 and D95 (for DC control voltage) (2) | LA9D8002 | 3200 |
| | LC1 D115 and D150 (2) | LA9D11502 | 3240 |

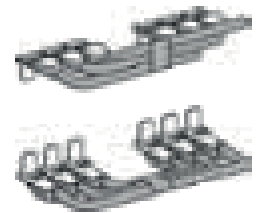
(1) With this set of busbars, any one contactor can be supplied directly by its EverLink® double cage power terminal block. The other two contactors are supplied by the busbar set. The 115 A limitation is therefore applied to these two contactors.

(2) With electrical interlock



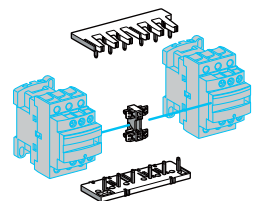
GV3S

| Description | For use with | Reference | Unit LP [₹] |
|---|---|-----------------|-------------|
| Power Connection for Reversing | | | |
| Kit Comprising : 1. a set of parallel bars 2. a set of reverser bars. | LC1 D09 to D38 | LAD9V5 + LAD9V6 | 400+500 |
| | LC1 D40A to D80A | LA9D65A69 | 2080 |
| | LC1 D80 and D95 (for AC control voltage) | LA9D8069 | 4460 |
| | LC1 D80 and D95 (for DC control voltage) | LA9D8069 | 4460 |
| | LC1 D115 and D150 | LA9D11569 | 7420 |



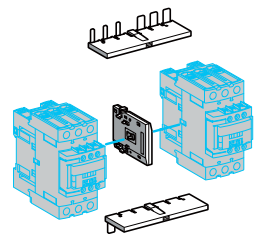
LA9 D8069

| Description | For use with | Reference | Unit LP [₹] |
|---|------------------|-----------|-------------|
| Reversing Kit | | | |
| Kit Comprising : 1. A mechanical interlock LAD 9V2 with electrical interlocking LAD 9V1 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing). | LC1 D09 to D38 | LAD9R1V | 1000 |
| Kit Comprising : 1. A mechanical interlock LAD 9V2 without electrical interlocking 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing). | LC1 D09 TO D38 | LAD9R1 | 760 |
| Kit Comprising : 1. a mechanical interlock LAD 4CM 2. a set of power connections LA9 D65A69. | LC1 D40A TO D80A | LAD9R3 | 2380 |

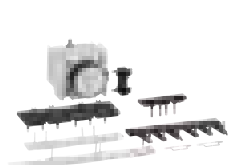


LAD9R1

| Description | For use with | Reference | Unit LP [₹] |
|--|-------------------|-----------|-------------|
| Star Delta Kit | | | |
| Time delay contact block LAD S2 (LC1 D09...D80), | LC1 D09 and D12 | LAD91217 | 3760 |
| Power circuit connections (LC1 D09...D80), | LC1 D18 to D32 | LAD93217 | 4840 |
| Hardware required for fixing the contactors onto the mounting plate (LC1D80) | LC1 D40A AND D50A | LAD9SD3 | 9780 |
| | LC1 D80 | LA9D8017 | 10860 |



LAD9R3



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. March 12, 2018

| Description | Time Delay Range | Timer Type | Reference | Unit LP [₹] |
|---|------------------|------------|-----------|-------------|
| On delay timer ⁽¹⁾ ⁽²⁾ | 15...30 s | on delay | LA4DT2U | 2800 |
| On delay timer ⁽¹⁾ ⁽²⁾ | 0.1...2 s | on delay | LA4DT0U | |
| On delay timer ⁽¹⁾ ⁽²⁾ | 25...500 s | on delay | LA4DT4U | |
| Relay interface module - 24V DC ⁽¹⁾ ⁽²⁾ | - | - | LA4DFB | 2580 |

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB = ₹ 590/- and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3 = ₹ 500/-.

(2) For LC1D80...150 (3P), direct mounting, for 100-250 V AC Coils only.

| Mounting Location | For Use With Contactor | Reference | Unit LP [₹] |
|--|--|-----------|-------------|
| For D Model Mechanical Latch Blocks | | | |
| Front, Clip-on | LC1 D09...D38 (a or c) LC1 DT20...DT40 (a or c) LC1 D40A...D65A (3P a or c) LC1DT60A AND DT80A (4P a or c) | LAD6K10* | 3370 |
| | LC1 D80...D150 (3P a) LC1 D80 AND D115 (3 P c) LC1 D80 (4 P a) LC1 D80 AND D115 (4 P a) LP1 D80 AND LC1 D115 (4 P c) | LA6DK20* | 3520 |

* Reference to be completed by adding coil voltage code

Note: For ordering Mechanical Latch Block with other coil voltages, please add ₹ 190/- to the unit price of the standard reference

*Coil Voltage Code

| VOLTAGE (AC/DC) | 24 | 42/48 | 110/127 | 220/240 | 380/415 |
|-----------------|----|-------|---------|---------|---------|
| Code | B | E | F | M | Q |

Spare coils D model

| Product Compatibility | Reference | Unit LP [₹] |
|---------------------------------------|-----------|-------------|
| AC Coils | | |
| CAD, LC1-D09...D38, DT20..40 | LXD1* | 870 |
| LC1D40A, D50A, D65A & LC1DT60A, DT80A | LXD3* | 2340 |
| D80 & D95 (3P & 4P) | LX1D6* | 2430 |
| LC1-D115,D150 | LX1D8* | 4770 |
| DC Coils | | |
| LC1-D80-D95 | LX4D7** | 7340 |
| LC1-D115, D150 | LX4D8** | 8070 |

Note: For ordering coils with other voltages and frequencies, please add ₹ 190/- to the unit price of the respective standard coil.

* Reference to be completed by adding coil voltage code

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. March 12, 2018

Accessories - D Model

| Description | For use with | Contacts | Reference | Unit LP [₹] | |
|---|---------------------------|--|-----------|--|-----|
| Add On Blocks | | | | | |
| Additional instantaneous auxiliary contact blocks | LC1D09 ...LC1D150 & LC1F* | Front Mounted | 1 NO+1NC | LADN11 | 330 |
| | | | 2 NO | LADN20 <input checked="" type="checkbox"/> | 330 |
| | | | 2 NC | LADN02 | 390 |
| | | | 2 NO+2NC | LADN22 <input checked="" type="checkbox"/> | 580 |
| | | | 4 NC | LADN04 | 650 |
| | | | 4 NO | LADN40 <input checked="" type="checkbox"/> | 580 |
| | | | 1 NO+3NC | LADN13 | 580 |
| | 3 NO+1NC | LADN31 <input checked="" type="checkbox"/> | 580 | | |
| | LC1D80..LC1D95 & LC1F | Front Mounted | 1 NO | LADN10 | 210 |
| | | | 1 NC | LADN01 | 210 |

| Description | Contacts | Reference | Unit LP [₹] | |
|---|-----------------------------|--------------------------------|---|------|
| Add On Blocks | | | | |
| Additional instantaneous auxiliary contact blocks | Side Mounted ⁽¹⁾ | 1 NO+1NC | LAD8N11 | 940 |
| | | 2 NO | LAD8N20 | 940 |
| Pneumatic timer blocks front mounted | ON delay | 1 NO+1NC 0.1..3s | LADT0 | 2330 |
| | | 1 NO+1NC 0.1..30s | LADT2 | 2330 |
| | | 1 NO+1NC 10..180s | LADT4 | 2330 |
| | OFF delay | 1 NO+1NC 1..30s ⁽²⁾ | LADS2 <input checked="" type="checkbox"/> | 2480 |
| | | 1 NO+1NC 0.1 ..3s | LADR0 | 2330 |
| | | 1 NO+1NC 0.1 ..30s | LADR2 <input checked="" type="checkbox"/> | 2330 |
| | | 1 NO+1NC 10..180s | LADR4 | 2330 |
| Set of shins to be used with 4 pole contactors | | LA9D511 | 910 | |

(1) Suitable for mounting on D Model 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 | LC1 D09...D38 | 1 on LH side | and - | 1 | or 1 | or 1 |
| | | LC1 D40A...D80A | 1 on LH or 1 on RH side | and - | 1 | or 1 | or 1 |
| | | LC1 D80 and D95A (50/60 Hz) | 1 on each side | or 2 | and 1 | or 1 | or 1 |
| | | LC1 D80 and D95A (50 or 60 Hz) | 1 on each side | and 2 | and 2 | or 1 | or 1 |
| | | LC1 D115 and D150 | 1 on LH side | and - | 1 | or 1 | or 1 |
| | 4P | LC1 DT20...DT40 | 1 on LH side | and - | 1 | or 1 | or 1 |
| | | LC1 DT60A and DT80A | 1 on LH or 1 on RH side | and - | 1 | or 1 | or 1 |
| | | LC1 D40008, D65008 and D80 | 1 on each side | or 1 | or 1 | or 1 | or 1 |
| | | LC1 D115 | 1 on each side | and 1 | or 1 | or 1 | or 1 |
| | | | | | | | |
| DC | 3P | LC1 D09...D38 | - | - | 1 | or 1 | or 1 |
| | | LC1 D40A...D80A | - | - | 1 | or 1 | or 1 |
| | | LC1 D80 and D95 | - | 1 | or 1 | or 1 | or 1 |
| | 4P | LC1 D115 and D150 | 1 on LH side | and - | 1 | or 1 | or 1 |
| | | LC1 DT20...DT40 | - | - | 1 | or 1 | or 1 |
| | | LC1 DT60A and DT80A | - | - | 1 | or 1 | or 1 |
| | | LC1 D40008, D65008 and D80 | - | 2 | and 1 | or 1 | or 1 |
| | | LC1 D115 | 1 on each side | - | and 1 | or 1 | or 1 |
| LC (3) | 3P | LC1 D09...D38 | - | - | 1 | - | - |
| | 4P | LC1 DT20...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. March 12, 2018

Accessories for TeSys D

| Description | For Use With | Reference | Unit LP [₹] |
|-------------------------------|--------------|-------------|-------------|
| For Contactor D115/150 | | | |
| arc chamber - 3P | LC1D115 | LA5D11550 | 4190 |
| arc chamber - 3P | LC1D150 | LA5D15050 | 4190 |
| contacts set - 3P | LC1D115 | LA5D1158031 | 11050 |
| contacts set - 3P | LC1D150 | LA5D150803 | 11460 |
| contacts set - 4P | LC1D1150046 | LA5D115804 | 15240 |

| Product Compatibility | Fixing | Control Circuit Voltage | Suppressor Type | Reference | Unit LP [₹] |
|--|---------|-------------------------|-----------------|---|-------------|
| Coil Suppressor Modules | | | | | |
| LC1-D12...D25 (4P) | Clip-on | 24...48 V AC | RC Circuit AC | LA4DA1E | 860 |
| LC1-D12...D25 (4P) | | 110...240 V AC | RC Circuit AC | LA4DA1U | 860 |
| LC1-D12 & D25 (4P) | | 12...250 V DC | Diode DC | LA4DC1U | 860 |
| LC1-D12...D25 (4P) | | 24...48 V AC/DC | Varistor AC/DC | LA4DE1E | 860 |
| - | | 110...250 V AC/DC | Varistor AC/DC | LA4DE1U | 860 |
| LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P) | | 24...48 V AC | Varistor AC/DC | LAD4VE | 830 |
| | | 24...48 V AC 400 Hz | RC Circuit AC | LAD4RCE | 830 |
| | | 50...127 V AC 200 Hz | RC Circuit AC | LAD4RCG | 750 |
| CAD | | 110...240 V AC 100 Hz | RC Circuit AC | LAD4RCU <input checked="" type="checkbox"/> | 830 |
| | | 110...250 V AC | Varistor AC/DC | LAD4VU | 830 |
| LC1D80, LC1D95, LC2D80, LC2D95 (3P) LC2D80 (4P), LC1D40008, LC1D65008 | Screw | 24...250 V DC | Diode DC | LA4DC3U | 860 |
| | | 24...48 V AC | Varistor AC/DC | LA4DE2E | 820 |
| | | 110...250 V AC | Varistor AC/DC | LA4DE2U | 820 |
| | | 24...48 V AC 400 Hz | RC Circuit AC | LA4DA2E | 820 |
| LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P) | | 50...127 V AC 200 Hz | RC Circuit AC | LA4DA2G | 1300 |
| | | 110...240 V AC 100 Hz | RC Circuit AC | LA4DA2U | 860 |
| | | 380...415 V AC 150 Hz | RC Circuit AC | LA4DA2N | 1300 |
| | | 24...48 V DC | Varistor AC/DC | LA4DE3E | 860 |
| | | 110...250 V DC | Varistor AC/DC | LA4DE3U | 820 |

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. March 12, 2018

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 D contactors

Easy-to-attach covers:



Auxiliary blocks for more contact points:



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

Standard TeSys U motor starters

Translucent labels to identify safety-chain devices:



Complete safety-chain identification system

TeSys D range

Retrofit contactor safety covers



LAD9ET1S
9A up to 65 A

LAD9ET3S
80A to 95A



LAD9ET4S
110A to 150A



LADN22S
2NO + 2NC

Also available for CAD32/CAD50

TeSys U range

Retrofit identification label



LU9ET1S

Built in Safety

TeSys U motor starters are certified according to IEC 60947-4-1 for safety applications thanks to integrated mirror contact

| Description | For Use with | Reference | Unit LP [₹] |
|---|---------------------------------|-----------|-------------|
| Red cover (for safety chain indication) | LC1 D09...D80A and DT20...DT80A | LAD9ET1S | 460 |
| | LC1 D80 and D95 | LAD9ET3S | |
| | LC1 D115 AND D150 | LAD9ET4S | |
| Auxiliary Contact Block With red front face - for safety chain indication | 2NO+2NC | LADN22S | 660 |

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. March 12, 2018

Overload relays for Motor Safety

New TeSys LR9D electronic overload relays
provide motor safety tailored to your needs

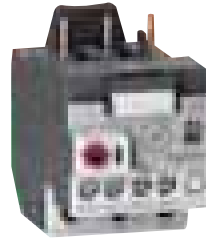


Thermal Overload Relays - D Model



- Conformance to IEC, UL, CSA
- Range : 0.1A to 104 A
- Higher operating temperature
- Tripping class 10A & 20A available
- Direct mounting on contactor is possible upto 95A

Electronic Overload Relay - D Model



- Conformance to IEC, UL, CSA
- Range : 0.1A to 110A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5, 10, 20 & 30
- Type 1 & type 2 Coordination chart available

| Thermal Protection Adjustment Range | For Use With | Reference* | Unit MRP [₹] |
|-------------------------------------|-------------------------|--|--------------|
| LRD Model (Direct Mounting) | | | |
| 0.1...0.16 A | | LRD01 | 1580 |
| 0.16...0.25 A | | LRD02 | |
| 0.25...0.4 A | | LRD03 | |
| 0.4...0.63 A | | LRD04 | |
| 0.63...1 A | | LRD05 <input checked="" type="checkbox"/> | |
| 1...1.6 A | GV2L03, LE03, | LRD06 <input checked="" type="checkbox"/> | |
| 1.6...2.5 A | LC1D09...LC1D38 | LRD07 <input checked="" type="checkbox"/> | |
| 2.5...4 A | | LRD08 <input checked="" type="checkbox"/> | |
| 4...6 A | | LRD10 <input checked="" type="checkbox"/> | |
| 5.5...8 A | | LRD12 <input checked="" type="checkbox"/> | |
| 7...10 A | | LRD14 <input checked="" type="checkbox"/> | |
| 9...13 A | | LRD16 <input checked="" type="checkbox"/> | |
| 12...18 A | | LRD21 <input checked="" type="checkbox"/> | 1800 |
| 16...24 A | GV2L22, LC1D25...D38 | LRD22 <input checked="" type="checkbox"/> | 1800 |
| 23...32 A | LC1D25...LC1D38, LC1D32 | LRD32 <input checked="" type="checkbox"/> | 2950 |
| 30...38 A | LC1D32, LC1D38 | LRD35 | |
| 23...32 A | LC1D40A...D65A | LRD332 | 3250 |
| 30...40 A | LC1D80...LC1D95 | LRD3353 | |
| 30...40 A | LC1D40A...D65A | LRD340 | |
| 30...40 A | LC1D80...LC1D95 | LRD3355 | |
| 37...50 A | LC1D40A...D65A | LRD350 <input checked="" type="checkbox"/> | 4200 |
| | LC1D80...LC1D95 | LRD3357 | 4900 |
| 48...65 A | LC1D40A...D65A | LRD365 | 5300 |
| 62...80 A | LC1D80A | LRD380 | 5780 |
| 48...65 A | LC1D80...LC1D95 | LRD3359 | 5300 |

| Thermal Protection Adjustment Range | For Use With | Reference* | Unit LP [₹] |
|-------------------------------------|-----------------|------------|-------------|
| LRD Model (Direct Mounting) | | | |
| 63...80 A | LC1D80...LC1D95 | LRD3363 | 5900 |
| 80...104 A | LC1D80, LC1D95 | LRD3365 | 7500 |

Note:

- For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106
Unit LP: ₹ 560/-
- For LRD33** - Terminal Block for clip-on Mounting LA7D3064
Unit LP: ₹ 1650/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit LP: ₹ 1380/-
- The LRD relays can be used for AC or DC current up to 104 Amps
- For long starting, Class 20 relays are available on request.
- Device for remote tripping and electrical reset is available on request.

| Current Range | For Use With | Reference* | Unit MRP [₹] |
|---------------|-------------------|------------|--------------|
| 0.1...0.5A | | LR9D01 | 6970 |
| 0.4...2.0A | LC1D09 - 38A | LR9D02 | 7290 |
| 1.6...8.0A | Direct Mounting | LR9D08 | 7290 |
| 6.4...32A | | LR9D32 | 8360 |
| 22...110A | Separate Mounting | LR9D110S | 12780 |

Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205. **Unit LP ₹. 700**

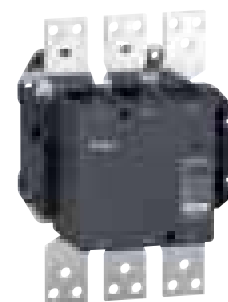
A perfect fit for power switching



TeSys F 1250 to 2600 A

Designed for demanding power switching applications. The complete, robust TeSys™ F range keeps pace with demanding AC1 applications in wind power, solar and more.

- Optimised size for reduced panel space
- Proven reliability & high electrical durability
- Wide operating temperature range: up to 60°C
- Type 1 & 2 coordination with Masterpact™ ACB
- Shared accessories with entire TeSys F range
- Drawer-mounted coils allow easy maintenance



Introducing the specially designed LC1SF1200* Contactor for solar PV applications

Power Contactors - F Model (3 Pole AC/DC Control)



- Conformity to International Standards – IEC, UL, CSA, CE
- High electrical life
- Type 2 Coordination Charts available
- Common accessories as Model D
- Rating : 115 - 2600 A, AC/DC Coils, special Hoisting application coils
- Shock Proof version and Magnetic latching contactor available

| [le] Rated Operational Current AC1 | Motor Power (Long Life) kW | Motor Power (Long Life) hP | AC3 A | Motor Power (Normal Life) kW | Motor Power (Normal Life) hP | AC3 A | Reference | Unit LP [₹] |
|------------------------------------|----------------------------|----------------------------|-------|------------------------------|------------------------------|-------|-----------|-------------|
| 200 | 59 | 80 | 115 | 80 | 110 | 150 | LC1F115 | 15650 |
| 250 | 80 | 110 | 150 | 100 | 135 | 185 | LC1F150 | 21500 |
| 275 | 100 | 135 | 185 | 110 | 150 | 205 | LC1F185 | 25400 |
| 315 | 110 | 150 | 225 | 140 | 190 | 265 | LC1F225 | 28300 |
| 350 | 140 | 190 | 265 | 160 | 220 | 300 | LC1F265 | 33500 |
| 400 | 180 | 245 | 330 | 220 | 300 | 400 | LC1F330 | 41000 |
| 500 | 220 | 300 | 400 | 250 | 340 | 450 | LC1F400 | 45000 |
| 700 | 280 | 380 | 500 | 375 | 500 | 630 | LC1F500 | 64000 |
| 1000 | 375 | 500 | 630 | 450 | 610 | 800 | LC1F630 | 110200 |
| 1000 | 450 | 610 | 800 | | | | LC1F800 | 172000 |
| 1250 | 630 | 840 | 1000 | | | | LC1F1000 | on Request |

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- Please select coils from below table separately.

Power Contactors - F Model (2 Pole & 4 Pole AC/DC Control)



- Conformity to International Standards – IEC, UL, CSA
- 2 and 4 pole versions available
- 240-1600 Amps in AC-1 duty , AC/DC coils
- Common accessories same as Model D
- High electrical life

| [le] Rated Operational Current AC1 | Power Pole Composition | Reference | Unit LP [₹] |
|------------------------------------|------------------------|-----------|-------------|
| 200 A | 4 NO | LC1F1154 | 26800 |
| 250 A | 4 NO | LC1F1504 | 32590 |
| 275 A | 4 NO | LC1F1854 | 40630 |
| 315 A | 4 NO | LC1F2254 | 47950 |
| 350 A | 4 NO | LC1F2654 | 53560 |
| 400 A | 4 NO | LC1F3304 | 63660 |
| 500 A | 2 NO | LC1F4002 | 45130 |
| 500 A | 4 NO | LC1F4004 | 75090 |
| 700 A | 2 NO | LC1F5002 | 66410 |
| 700 A | 4 NO | LC1F5004 | 109640 |
| 1000 A | 2 NO | LC1F6302 | 107830 |
| 1000 A | 4 NO | LC1F6304 | 159350 |
| 1600 A | 4 NO | LC1F7804 | 340060 |

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- Power terminals may be protected by the addition of shrouds, to be ordered separately.

| [le] Rated Operational Current AC1 | Reference | Unit LP [₹] |
|------------------------------------|-------------|-------------|
| 1250 | LC1F1250 | on Request |
| 1700 | LC1F1700 | |
| 2100 | LC1F2100(1) | |
| 2600 | LC1F2600(2) | |

- (1) With set of right-angled connectors LA9 F2100
- (2) with set of right-angled connectors LA9 F2600

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. March 12, 2018

Coils F Model

| Product compatibility | AC Coil Reference | Unit LP [₹] | DC Coil Reference ⁽²⁾ | Unit LP [₹] |
|------------------------------|-------------------|-------------|----------------------------------|-------------|
| LC1F115, LC1F150 | LX9FF* | 3250 | LX4FF** | 7250 |
| LC1F185, LC1F225 | LX9FG* | 4500 | LX4FG** | 9650 |
| LC1F265, LC1F330 | LX1FH* | 5600 | LX4FH** | 11750 |
| LC1F400 | LX1FJ* | 11900 | LX4FJ** | 18600 |
| LC1F500 | LX1FK* | 14200 | LX4FK** | 19200 |
| LC1F630 | LX1FL* | 15700 | LX4FL** | 19900 |
| LC1F780 | LX1FX* (3) | 37910 | LX4FX** (3) | 39820 |
| LC1F800 | (1) | - | LX4F8** | 26900 |
| LC1F1000, LC1F1700, LC1F2100 | LX1FK*(3) | 14200 | | |
| LC1F2600 | LX1FL*(3) | 15700 | | |

Coil Voltage Code

| Type | Voltage (V) | 24 | 110 | 220 | 415 |
|------|----------------------------|----|------|------|------|
| AC* | LC1F115--F225, LC1F400-630 | - | 110 | 220 | 415 |
| | LC1F265, LC1F330 | - | 1102 | 2202 | 3802 |
| | LC1F1000 | - | 55 | 110 | 220 |
| | LC1F1700, 2100, 2600 | - | 65 | 110 | 220 |
| DC** | LC1F115--LC1F330 | 24 | 110 | 220 | - |
| | LC1F400--LC1F780 | - | 110 | 220 | |
| | LC1F800 | - | FW | MW | |

Note: For ordering coils with other voltages and frequencies, please add ₹ 190/- to the unit Price of the respective standard coil.

Vacuum Contactors (3 Pole AC Control)

| [Ie] Rated Operational Current | | Motor Power | | Auxiliary Contacts | Reference | Unit LP [₹] |
|--------------------------------|-------|-------------|-----|--------------------|-----------|-------------|
| AC1 | AC3 | kW | hP | | | |
| 160 A | 160 A | 75 | 100 | 2 NO + 1 NC | LC1V160* | 97010 |
| 320 A | 320 A | 160 | 213 | 1 NO + 1 NC | LC1V320* | 130270 |
| 630 A | 610 A | 300 | 400 | 1 NO + 1 NC | LC1V610* | 233660 |

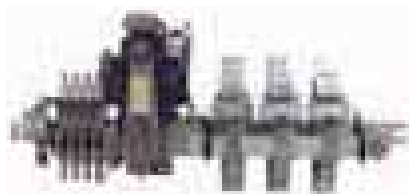
| VOLTAGE | 110-120 | 220-240 | 380-415 | 440-480 | 550-600 |
|---------|---------|---------|---------|---------|---------|
| Code | FE7 | P7 | V7 | R7 | X7 |

Note: Accessories for Vacuum Contactors available on request, please contact our Sales Office.

Please replace (*) with the Corresponding Control Voltage.

- (1) Use rectifier with required DC coil (Ref: DR5TE4U) LP ₹ 8940/-
- (2) Coil with suppressor fitted as standard.
- (3) Set of two coils to be connected in series.

Bar contactors



General Purpose offer

LC1B Range for standard applications

- From 750A to 1800A AC3
- From 800A to 2750A AC1

CR1B Magnetic latching contactors - 1000V

- From 750A to 1800A AC3
- From 800 to 2750A AC1

Special range of configurable bar contactors for Photovoltaic applications

- CV3BJ, for voltages between 1000 and 1500V DC
 - Complete range of configurable bar contactors CV1*, CV3*
- Special purpose offers for induction furnaces, DC excitation circuits of synchronous motors etc.

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. March 12, 2018

Accessories - D and F Model

| Description | For use with | Contacts | Reference | Unit LP [₹] | | | |
|---|--------------------------|---------------|-----------------------|-------------|------|--------|-----|
| Add On Blocks | | | | | | | |
| Additional instantaneous auxiliary contact blocks | LC1D09 ...LC1D150 & LC1F | Front Mounted | 1 NO+1NC | LADN11 | 330 | | |
| | | | 2 NO | LADN20 | | | |
| | | | 2 NC | LADN02 | 390 | | |
| | | | 2 NO+2NC | LADN22 | 580 | | |
| | | | 4 NC | LADN04 | 650 | | |
| | | | 4 NO | LADN40 | 580 | | |
| | | | 1 NO+3NC | LADN13 | | | |
| | | | 3 NO+1NC | LADN31 | | | |
| | | | LC1D80..LC1D95 & LC1F | | 1 NO | LADN10 | 210 |
| | | | | | 1 NC | LADN01 | |

| Description | Contacts | Reference | Unit LP [₹] | |
|---|-----------------------------|--------------------------------|---|------|
| Add On Blocks | | | | |
| Additional instantaneous auxiliary contact blocks | Side Mounted ⁽¹⁾ | 1 NO+1NC | LAD8N11 | 940 |
| | | 2 NO | LAD8N20 | |
| Pneumatic timer blocks front mounted | ON delay | 1 NO+1NC 0.1..3s | LADT0 | 2330 |
| | | 1 NO+1NC 0.1..30s | LADT2 | |
| | | 1 NO+1NC 10..180s | LADT4 | |
| | OFF delay | 1 NO+1NC 1..30s ⁽²⁾ | LADS2 <input checked="" type="checkbox"/> | 2480 |
| | | 1 NO+1NC 0.1 ..3s | LADR0 | 2330 |
| | | 1 NO+1NC 0.1 ..30s | LADR2 <input checked="" type="checkbox"/> | |
| | | 1 NO+1NC 10..180s | LADR4 | |

(1) Suitable for mounting on D Model 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

* Suitable for 80A, 95A & Model F contactors only

| For Use With Contactor | Reference | Unit LP [₹] |
|--|-----------|-------------|
| Mechanical Interlocks ⁽¹⁾ - Horizontally Mounted | | |
| LC1F115, LC1F150, LC1F1154, LC1F1504 | LA9FF970 | 3080 |
| LC1F185, LC1F1854, LC1F225, LC1F2254 | LA9FG970 | 3560 |
| LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004 | LA9FJ970 | 3990 |
| LC1F630, LC1F6304, LC1F800 | LA9FL970 | 4440 |

(1) For assembly of 3/4 pole 2 contactors of identical rating. To obtain electrical interlocking, please order 2 contact blocks LADN11

All power connections are to be made by the user.

| Main Contact Sets* | Reference | Unit LP [₹] |
|--------------------|--|-------------|
| LC1F115, LC1F150 | LA5FF431 <input checked="" type="checkbox"/> | 16340 |
| LC1F185, LC1F225 | LA5FG431 | 23610 |
| LC1F265 | LA5FH431 | 31100 |
| LC1F330, LC1F400 | LA5F400803 | 37710 |
| LC1F500 | LA5F500803 | 48510 |
| LC1F630 | LA5F630803 | 77160 |
| LC1F800 | LA5F800803 | 96890 |

* For 3 Pole contactor (per pole: 2 fixed contacts and 1 moving contact, 2 deflectors, 1 backplate, fixing screws & washers.)

| Description | For use with | 110 V Reference | 220 V Reference | Unit LP [₹] |
|---------------------------|----------------|-----------------|-----------------|-------------|
| Suppressor Blocks | | | | |
| suppressor module clip on | All AC ratings | LA4FRCF | LA4FRCP | 4150 |
| suppressor bracket | For all LA4F | LA9D09981 | | 430 |

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. March 12, 2018

| Product compatibility | 110V Reference | 220/230V Reference | 415/440V Reference | Unit LP [₹] |
|-----------------------|----------------|--------------------|--------------------|-------------|
|-----------------------|----------------|--------------------|--------------------|-------------|

Hoisting Applications - AC Coils

| | | | | |
|------------------|-----------|-----------|----------|------------|
| LC1F265, LC1F330 | LX9FH1102 | LX9FH2202 | - | 16220 |
| LC1F400 | LX9FJ925 | LX9FJ931 | LX9FJ937 | 20030 |
| LC1F500 | LX9FK925 | LX9FK931 | LX9FK937 | On request |
| LC1F630 | LX9FL924 | LX9FL931 | LX9FL936 | 24610 |

Note: Rectifier is a must with the coil. Ref no. DR5TE4U for 110..230V & DR5TE4S* for 415..440V , LP ₹ 8940/- needs to be added extra with coil.

| Product compatibility | 48V Reference | 110V Reference | 220V Reference | 440/460 V Reference | Unit LP [₹] |
|-----------------------|---------------|----------------|----------------|---------------------|-------------|
|-----------------------|---------------|----------------|----------------|---------------------|-------------|

Hoisting Applications - DC Coils

| | | | | | |
|---------|----------|----------|----------|----------|-------|
| LC1F400 | LX9FJ918 | LX9FJ926 | LX9FJ932 | LX9FJ938 | 23980 |
| LC1F500 | LX9FK918 | LX9FK926 | LX9FK932 | LX9FK938 | 25650 |
| LC1F630 | LX9FL918 | LX9FL926 | LX9FL931 | LX9FL937 | 24610 |

Note:

- Resistor is a must with every coil as per the quantity mentioned.
- **Economy Resistor to be selected from below table as per coil voltage code**

| Contactora | 110 V Reference | 220 V Reference | 440/460 V Reference | Unit LP [₹] |
|------------|-----------------|-----------------|---------------------|-------------|
|------------|-----------------|-----------------|---------------------|-------------|

Economy Resistor

- To be used with hoisting application DC coil

| | | | | |
|---------|---------------|---------------|---------------|------|
| LC1F400 | 1 X DR2SC0047 | 1 X DR2SC1200 | 1 X DR2SC4700 | 3090 |
| LC1F500 | 1 X DR2SC0039 | 1 X DR2SC1000 | 1 X DR2SC3300 | 3090 |
| LC1F630 | 2 X DR2SC0047 | 2 X DR2SC0047 | 2 X DR2SC3900 | 3090 |

Electronic Relays



- Conformity to International Standards – IEC, UL, CSA
- Direct mounting on contactors is possible upto 630A
- Higher operating temperature
- Tripping class 10

| Thermal Protection Adjustment Range | Reference | Unit LP [₹] |
|-------------------------------------|-----------|-------------|
|-------------------------------------|-----------|-------------|

LR9-F Electronic Protection Relays

| | | |
|-------------|--|-------|
| 90...150 A | LR9F5369 <input checked="" type="checkbox"/> | 9800 |
| 132...220 A | LR9F5371 | 13010 |
| 200...330 A | LR9F7375 | 11540 |
| 300...500 A | LR9F7379 | 15020 |
| 380...630 A | LR9F7381 | 16020 |

Accessories

| Description | For Use With | Relay Type | Reference | Unit LP [₹] |
|-------------|--------------|------------|-----------|-------------|
|-------------|--------------|------------|-----------|-------------|

For LR9 - F Relay

| | | | | |
|---------------------|--|-----------|---------|------|
| Mounting plate LA7F | | LR9-F5369 | LA7F901 | 2900 |
| | | LR9-F5371 | | |
| | | LR9-F7375 | LA7F902 | |
| | | LR9-F7379 | | |
| | | LR9-F7381 | | |

Connection Accessories

| | | | | |
|-------------|-------------|-----------|---------|------|
| LA7F busbar | LC1F115 | LR9-F5369 | LA7F401 | 1960 |
| | LC1F225/265 | LR9-F5371 | LA7F403 | 2820 |
| | LC1F225-400 | LR9-F7375 | LA7F404 | 3010 |
| | | LR9-F7379 | | |
| | | LR9-F7381 | | |
| | LC1F500 | LR9-F7381 | LA7F405 | 3560 |
| LC1F630/800 | LR9-F7381 | LA7F406 | 3810 | |

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. March 12, 2018

Lineryy

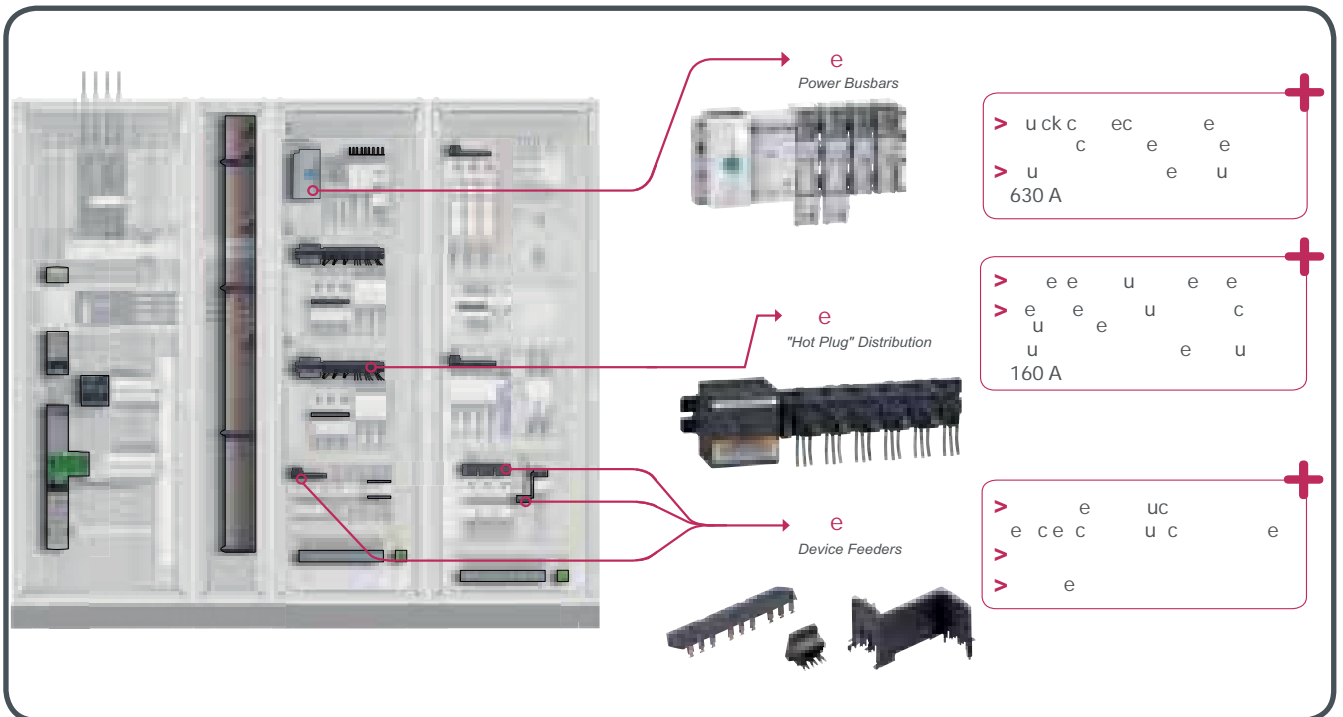
Lineryy is tailored for your flexible panel needs
(changes right up to the last minute)

Because Lineryy is:

Flexible

Safer

Reliable

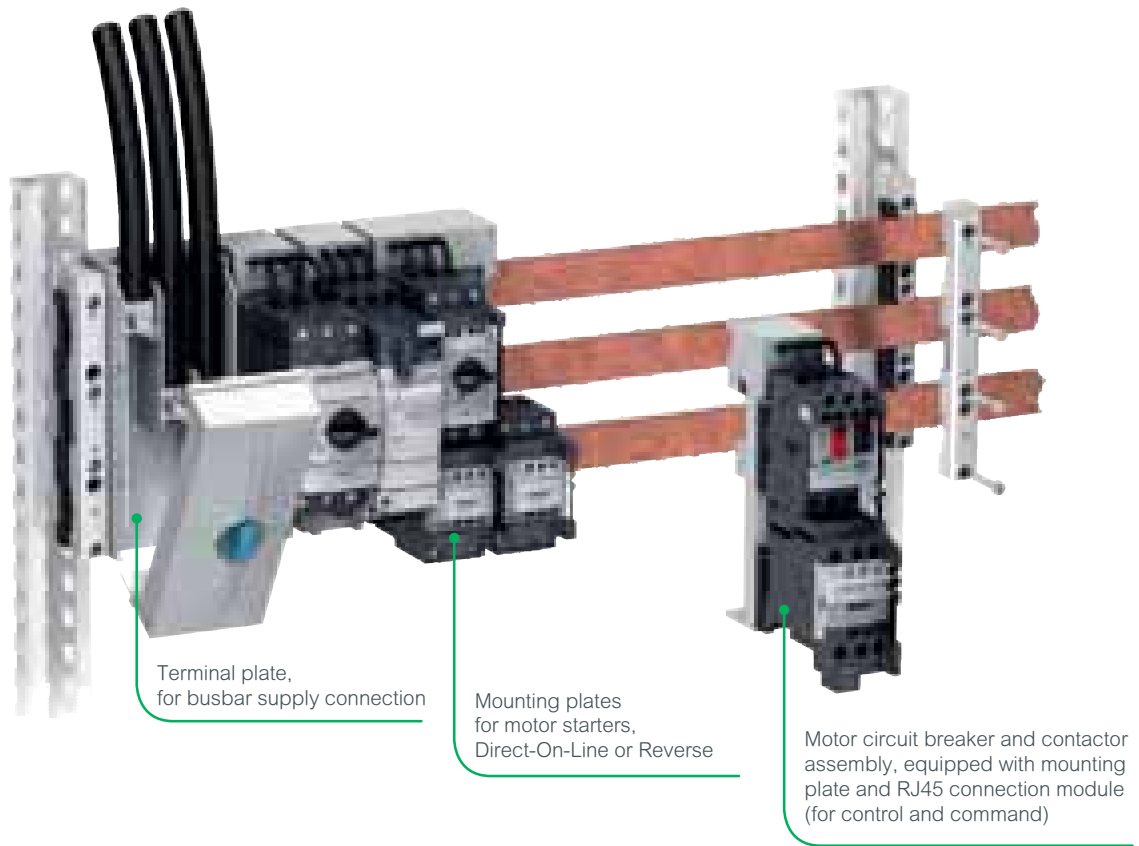


- > Quick Installation
- > Multi Standard Offer
- > Intuitive Solution

Linergy BZ

Linergy BZ, Multistandard power busbar system,
Application: power distribution to motor starters

In control switchboards, when space saving, quick mounting and replacement are required



- Considerable space saving: components are directly mounted on the busbar
- Large choice of mounting plates (for GV2, GV3 motor circuit breakers and assemblies, GV7, TeSys U)
- Quick connection, disconnection (power off): clip-on mounting plates
- Vibration resistant busbar connections: no periodical re-tightening required

Detailed view: back face of a motor starter mounting plate

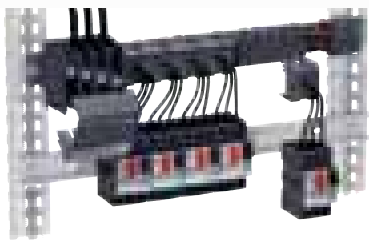
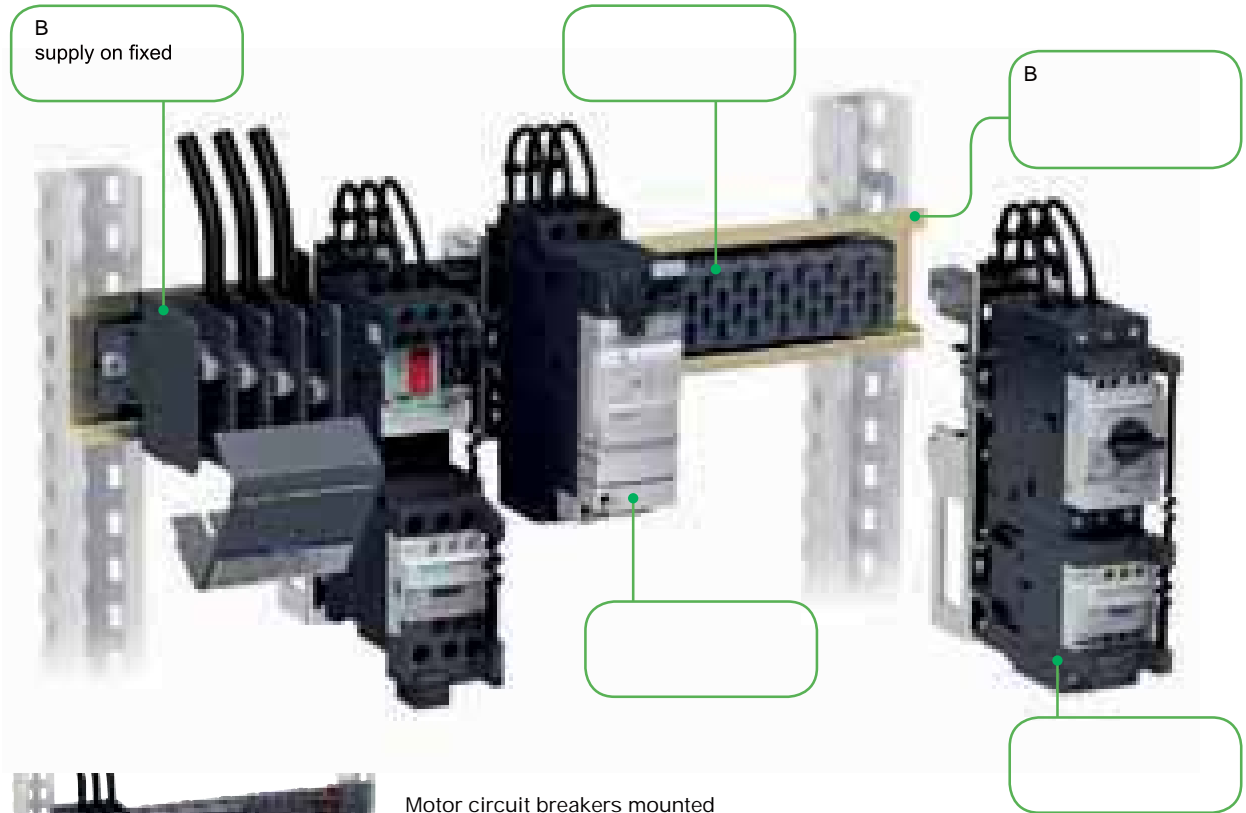
- A reliable electrical contact is ensured by copper blades
- The blue part locks the mounting plate on the busbar, compatibility is provided with standard profiles: Height 12, 15, 20, 25 or 30 mm, Width 5 or 10 mm



Linergy HK

Linergy HK, Multistandard hot-plug busbar system,
Application: electrical distribution to motor starters

When compactness and continuity of service are required



Motor circuit breakers mounted on a separated DIN rail

Advantages

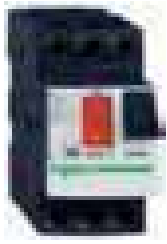
- Preserved continuity of service during modification and maintenance

Detailed view: mounting plate back face

- Thanks to the plug and its pre-cabled wires the motor starter is safely assembled in the workshop, for immediate or later use.
- A piece of DIN profile rail is attached on the front face of the mounting plate for fastening the components.
- The metal mounting plate ensures a rigid and robust fastening on the omega rail.



Motor Circuit Breakers



- 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 100 kA
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Thermal Protection Adjustment Range | Reference | Unit MRP [₹] |
|----------------------------------|-------------------|----|-------------------------------------|-----------|--------------|
| | kW | hP | | | |

GV2-M Model Thermal Magnetic - With Push button Control (Economy)

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Thermal Protection Adjustment Range | Reference | Unit MRP [₹] |
|----------------------------------|-------------------|------|-------------------------------------|-----------|--------------|
| | kW | hP | | | |
| 100 kA | - | - | 0.1 - 0.16 | GV2ME01 | 3000 |
| | 0.06 | - | 0.16 - 0.25 | GV2ME02 | |
| | 0.09 | - | 0.25 - 0.40 | GV2ME03 | |
| | 0.18 | - | 0.40 - 0.63 | GV2ME04 | 3500 |
| | 0.37 | 0.5 | 0.63 - 1.0 | GV2ME05 | |
| | 0.55 | 0.75 | 1.0 - 1.6 | GV2ME06 | 3550 |
| | 0.75 | 1 | 1.6 - 2.5 | GV2ME07 | |
| 15 kA (1) | 1.1 | 2 | 2.5 - 4 | GV2ME08 | 3650 |
| | 2.2 | 3 | 4 - 6.3 | GV2ME10 | 3650 |
| | 3 | 5.5 | 6 - 10 | GV2ME14 | 3650 |
| | 5.5 | 7.5 | 9 - 14 | GV2ME16 | 4200 |
| | 7.5 | 10 | 13 - 18 | GV2ME20 | 4450 |
| | 9 | 12.5 | 17 - 23 | GV2ME21 | 4800 |
| | 11 | 15 | 20 - 25 | GV2ME22 | 4800 |
| 10 kA (1) | 15 | 20 | 24 - 32 | GV2ME32 | 7750 |

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Thermal Protection Adjustment Range | Reference | Unit LP [₹] |
|----------------------------------|-------------------|----|-------------------------------------|-----------|-------------|
| | kW | hP | | | |

GV2-P Model Thermal Magnetic - With Rotary Handle Control

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Thermal Protection Adjustment Range | Reference | Unit LP [₹] |
|----------------------------------|-------------------|------|-------------------------------------|-----------|-------------|
| | kW | hP | | | |
| 100 kA | - | - | 0.1 - 0.16 | GV2P01 | 3500 |
| | 0.06 | - | 0.16 - 0.25 | GV2P02 | |
| | 0.09 | - | 0.25 - 0.40 | GV2P03 | |
| | 0.18 | - | 0.40 - 0.63 | GV2P04 | 3950 |
| | 0.37 | 0.5 | 0.63 - 1.0 | GV2P05 | |
| | 0.55 | 0.75 | 1.0 - 1.6 | GV2P06 | 4100 |
| | 0.75 | 1.0 | 1.6 - 2.5 | GV2P07 | |
| 50 kA (2) | 1.1 | 2 | 2.5 - 4 | GV2P08 | 4400 |
| | 2.2 | 3 | 4 - 6.3 | GV2P10 | 4400 |
| | 3 | 5.5 | 6 - 10 | GV2P14 | 5200 |
| | 5.5 | 7.5 | 9 - 14 | GV2P16 | 5200 |
| | 7.5 | 10 | 13 - 18 | GV2P20 | 6150 |
| | 9 | 12.5 | 17 - 23 | GV2P21 | 6150 |
| | 11 | 15 | 20 - 25 | GV2P22 | 6150 |
| 35 kA (2) | 15 | 20 | 24 - 32 | GV2P32 | 10400 |

GV3-P Range Thermal Magnetic - With Rotary Handle Control

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** kW | Thermal Protection adjustment Range | Reference | Unit LP [₹] |
|----------------------------------|----------------------|-------------------------------------|-----------|-------------|
| | | | | |
| 50 kA | 22 | 37...50 A | GV3P50 | 14900 |
| | 30 | 48...65 A | GV3P65 | 15600 |
| | 37 | 62...73 A | GV3P73 | 16050 |
| | 37 | 70...80 A | GV3P80 | 16050 |

** 50/60Hz - 415 V

(1) With GV1-L3 current limiter, breaking capacity can be increased to 100 kA. Combination of the GV2-M with the D Model provides Type 2 coordination.

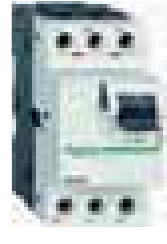
(2) With GV1-L3 current limiter, breaking capacity can be increased to 100 kA. Combination of the GV2-P with the D Model provides Type 2 coordination.

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. March 12, 2018

Motor Circuit Breakers



- 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

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Magnetic Protection Rating (A) | Reference | Unit LP [₹] |
|----------------------------------|-------------------|----|--------------------------------|-----------|-------------|
| | kW | hP | | | |

GV2-LE Model Magnetic - With Rocker Lever Control (Economy) *

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Magnetic Protection Rating (A) | Reference | Unit LP [₹] |
|----------------------------------|-------------------|-----|--------------------------------|-----------|-------------|
| | kW | hP | | | |
| 100 kA | 0.09 | - | 0.4 | GV2LE03 | 3250 |
| | 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 | |
| 15 kA | 3 | 5.5 | 10 | GV2LE14 | 3730 |
| | 5.5 | 7.5 | 14 | GV2LE16 | |
| | 7.5 | 10 | 18 | GV2LE20 | |
| 10 kA | 11 | 15 | 25 | GV2LE22 | 6400 |
| | 15 | 20 | 32 | GV2LE32 | |

GV2-L Model Magnetic - With Rotary Handle Control *

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** | | Magnetic Protection Rating (A) | Reference | Unit LP [₹] |
|----------------------------------|-------------------|-----|--------------------------------|-----------|-------------|
| | kW | hP | | | |
| 100 kA | 0.09 | - | 0.4 | GV2L03 | 3850 |
| | 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 | |
| 50 kA | 4 | 5.5 | 10 | GV2L14 | 3850 |
| | 5.5 | 7.5 | 14 | GV2L16 | |
| | 7.5 | 10 | 18 | GV2L20 | |
| 10 kA | 11 | 15 | 25 | GV2L22 | 6400 |

GV3-L Range Magnetic - With Rotary Handle Control

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** kW | Thermal Protection adjustment Range | Reference | Unit LP [₹] |
|----------------------------------|----------------------|-------------------------------------|-----------|-------------|
| | | | | |
| 50 kA | 22 | 37...50 A | GV3L50 | 10370 |
| | 30 | 48...65 A | GV3L65 | 10720 |
| | 37 | 62...73 A | GV3L73 | 15000 |
| | 37 | 70...80 A | GV3L80 | 15000 |

* Conforming to IEC 60947-2-3-4

** 50/60Hz - 415 V

• GV2-L with the D Model contactor and LRD overload relay provides Type 2 Coordination

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** kW | Thermal Protection adjustment Range | Reference | Unit LP [₹] |
|----------------------------------|----------------------|-------------------------------------|-----------|-------------|
| | | | | |
| 50 kA | 22 | 37...50 A | GV3L50 | 10370 |
| | 30 | 48...65 A | GV3L65 | 10720 |
| | 37 | 62...73 A | GV3L73 | 15000 |
| | 37 | 70...80 A | GV3L80 | 15000 |

GV7-R Range Thermal Magnetic (220A, AC3)

| Breaking Capacity at 415 V 50 Hz | Motor Power AC3** kW | Thermal Protection adjustment Range | Reference | Unit LP [₹] |
|----------------------------------|----------------------|-------------------------------------|-----------|-------------|
| | | | | |
| 35 kA | 110 | 132 - 220 | GV7RE220 | 38070 |
| | 75 | 90 - 150 | GV7RS150 | 35090 |
| 70 kA | 110 | 132 - 220 | GV7RS220 | 43020 |

* Conforming to IEC 60947-2 for Type 2 coordination

** 50/60Hz - 415 V.

Refer the new GV4* range of magnetic and thermal magnetic MPCBs on page 41 for motor ratings upto 55kW.

Accessories for Motor Circuit Breakers

| Description | Reference | Unit LP [₹] | |
|--|--|-------------|------|
| For GV2 | | | |
| Front contact NO or NC ⁽¹⁾ | GVAE1 | 680 | |
| Front contact NO + NC | GVAE11 <input checked="" type="checkbox"/> | 830 | |
| | GVAE20 | 910 | |
| Side contact NO + NC | GVAN11 <input checked="" type="checkbox"/> | 1000 | |
| | GVAN20 | 1000 | |
| Fault signalling contact +1 NO contact ⁽²⁾ | GVAD1010 <input checked="" type="checkbox"/> | 1300 | |
| Fault signalling contact +1 NC contact ⁽²⁾ | GVAD1001 | 1300 | |
| Short circuit signalling contact block 1 C/O | GVAM11 | 1240 | |
| Undervoltage trip : | 110 ... 115V 50Hz | GVAU115 | 2300 |
| | 220 ... 240V 50Hz | GVAU225 | 2380 |
| | 380 ... 400V 50Hz | GVAU385 | 2380 |
| Shunt trip : | 110 ... 115V 50Hz | GVAS115 | 2380 |
| | 220 ... 240V 50Hz | GVAS225 | 2380 |
| 380 ... 400V 50Hz | GVAS385 | 2380 | |
| Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P. | GV1L3 | 3840 | |
| connection block - GV2 with contactor LC1-D09..D38 | GV2AF3 | 470 | |
| connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K | GV2AF01 | 500 | |
| empty enclosure for GV2ME - plastic | GV2MP02 | 1720 | |
| | GV2MC02 | 1890 | |

(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 LP [₹] |
|-------------------------|----------------------|-----------|-------------|
| For GV2 Breakers | | | |
| 45 mm | 2 | GV2G245 | 1010 |
| | 4 | GV2G445 | 1600 |
| | 2 | GV2G254 | 1190 |
| 54 mm | 3 | GV2G354 | 1340 |
| | 4 | GV2G454 | 1680 |
| | 5 | GV2G554 | 1820 |
| 72 mm | 2 | GV2G272 | 1430 |
| | 4 | GV2G472 | 2050 |

| Description | Reference | Unit LP [₹] |
|--|-----------|-------------|
| Accessories for Busbars | | |
| terminal block - to supply one or more 3-pole busbar GV2 | GV2G05 | 2570 |
| Protective end covers for unused busbar outlets | GV1G10 | 450 |
| terminal block for connection from top | GV1G09 | 1350 |

Accessories for Motor Circuit Breakers

| Description | Reference | Unit LP [₹] |
|---|--|-------------|
| For GV2-P/GV2-L | | |
| external operator - IP54, Black | GV2APN01 <input checked="" type="checkbox"/> | 2390 |
| external operator - IP54, Yellow/Red | GV2APN02 | 4400 |
| visible isolation block - for motor circuit breaker GV2 | GV2AK00 | 2000 |
| For GV3P/GV3L | | |
| auxiliary Contacts | | |
| Front contact: 1 NO (fault) + 1 NC (Auxiliary) | GVAED011 | 860 |
| Front contact: 1 NO (fault) + 1 NO (Auxiliary) | GVAED101 | 950 |
| Busbar | | |
| 3-pole, 3 tap, 64 mm pitch | GV3G364 | 970 |
| S-shape bus bar | GV3S | 730 |
| | | |
| IP54, Black | GV3APN01 | 2850 |
| IP54, Yellow/Red | GV3APN02 | 2740 |

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 LP [₹] |
|---|-----------------------------|---|-------------|
| For GV7 | | | |
| accessory for direct rotary handle mount on door ⁽²⁾ | - | GV7AP05 | 1570 |
| auxiliary contact - 1 OC | - | GV7AE11 <input checked="" type="checkbox"/> | 1540 |
| clip-on connector - upto 150 A - 1.5..95 mm ² | - | GV7AC021 | 630 |
| clip-on connector- upto 220 A - 1.5..185 mm ² | - | GV7AC022 | 600 |
| fault discrimination device | 24...72V DC/ 24...48V AC | GV7AD111 | 4530 |
| | 110 ... 240V AC/ DC | GV7AD112 | 4530 |
| front rotary handle GV7AP | - | GV7AP03 | 2660 |
| GV7R - black handle ⁽²⁾ | - | GV7AP01 | 4630 |
| padlocking device - 1..3 padlocks Ø 5.8mm shank ⁽³⁾ | - | GV7V01 | 730 |
| phase barriers | - | GV7AC04 | 810 |
| terminal shields IP405 ⁽¹⁾ | - | GV7AC01 | 1640 |

| | | | |
|---|----------------------------|----------|------|
| Shunt release | 110...130 V AC 50/60 Hz | GV7AS107 | 3520 |
| | 200...240 V AC 50/60 Hz | GV7AS207 | 3520 |
| | 380...440 V AC 50/60 Hz | GV7AS387 | 3390 |
| Under Voltage release | 110...130 V AC 50/60 Hz | GV7AU107 | 3630 |
| | 200...240 V AC 50/60 Hz | GV7AU207 | 3630 |
| | 380...440 V AC 50/60 Hz | GV7AU387 | 3630 |
| 3-pole spreader - for motor circuit breaker GV7 45 mm pitch | | GV7AC03 | 1050 |

(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

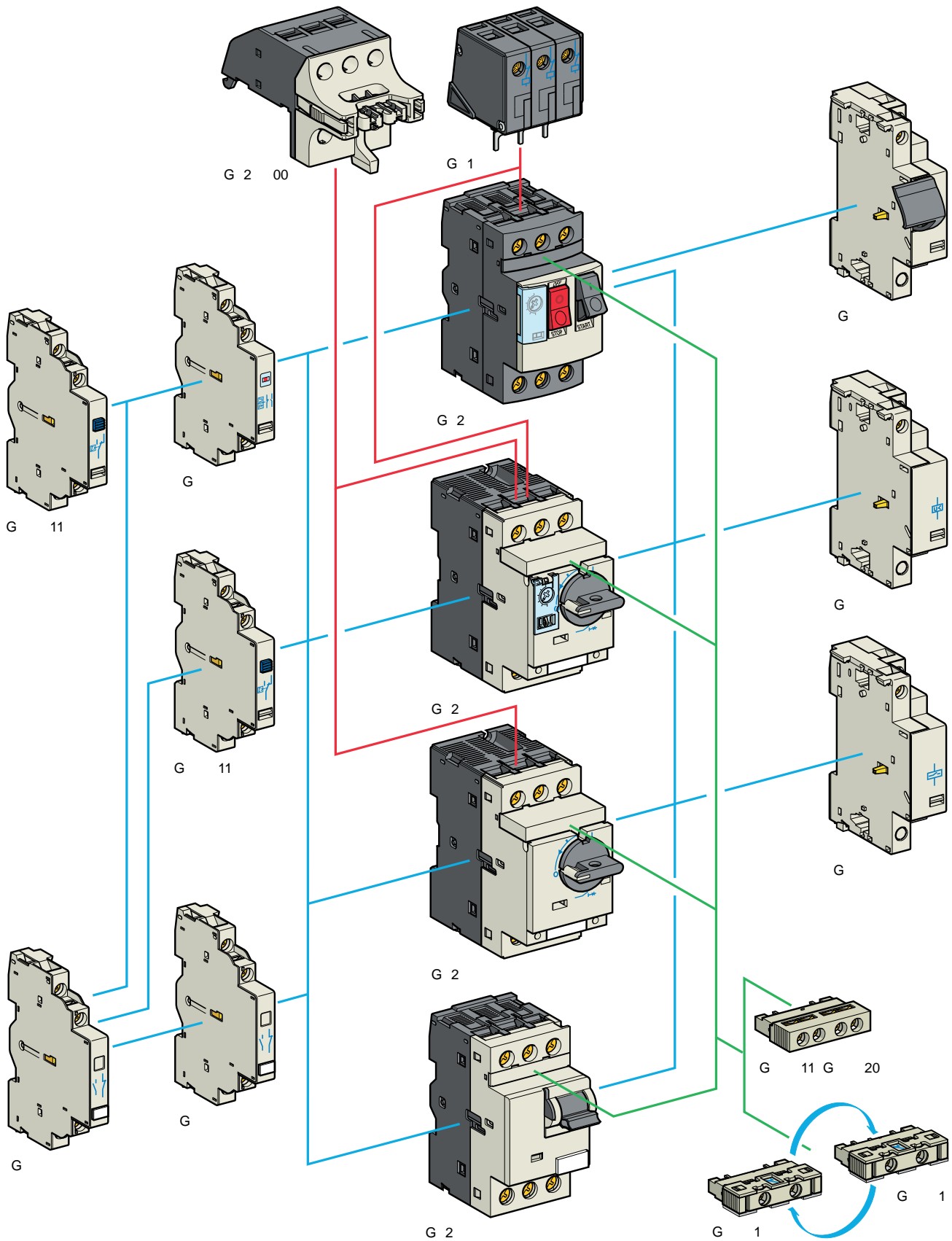
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NORMAL STOCK ITEMS

W.E.F. March 12, 2018

TeSys

Accessories compatibility



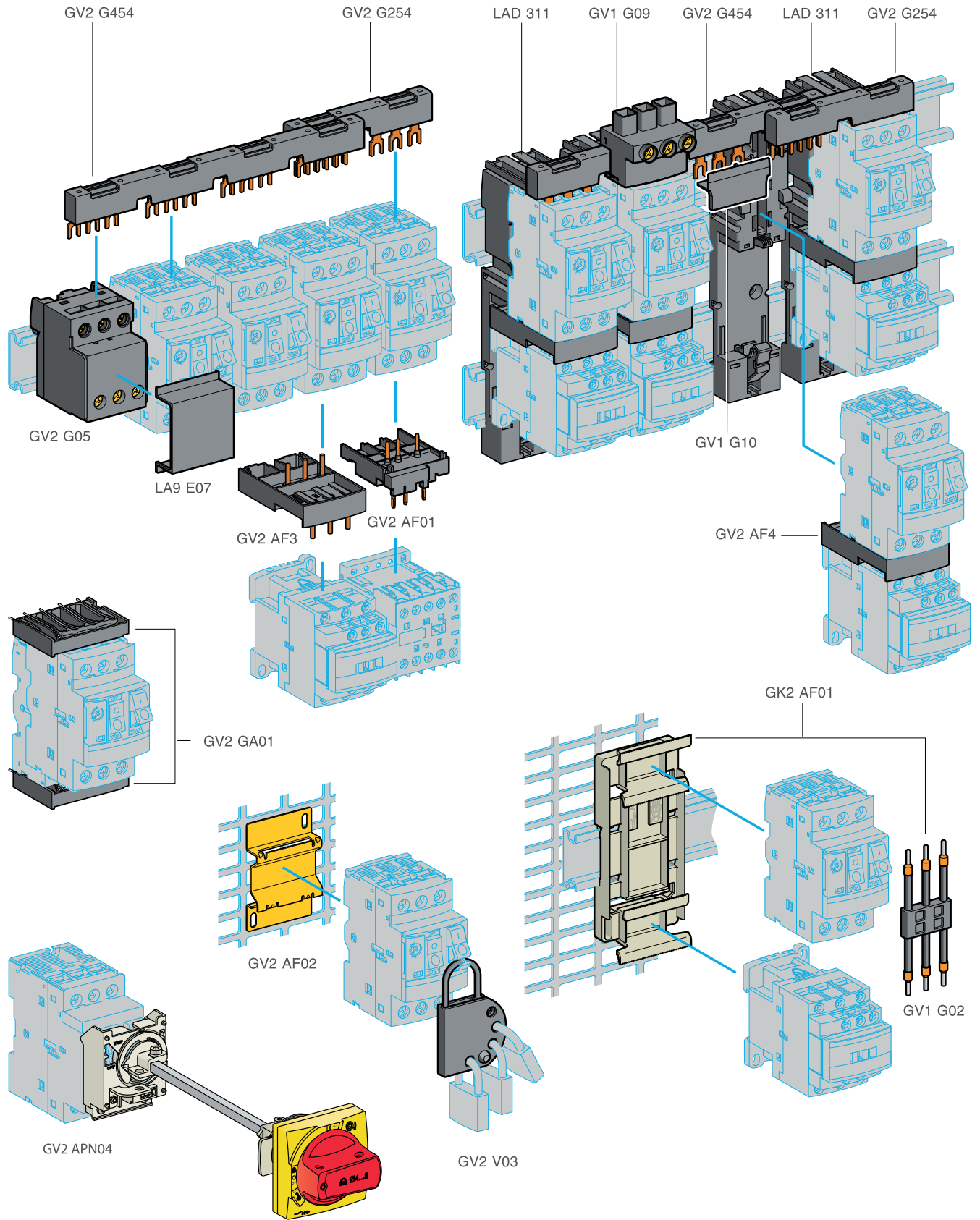
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TeSys

Accessories compatibility



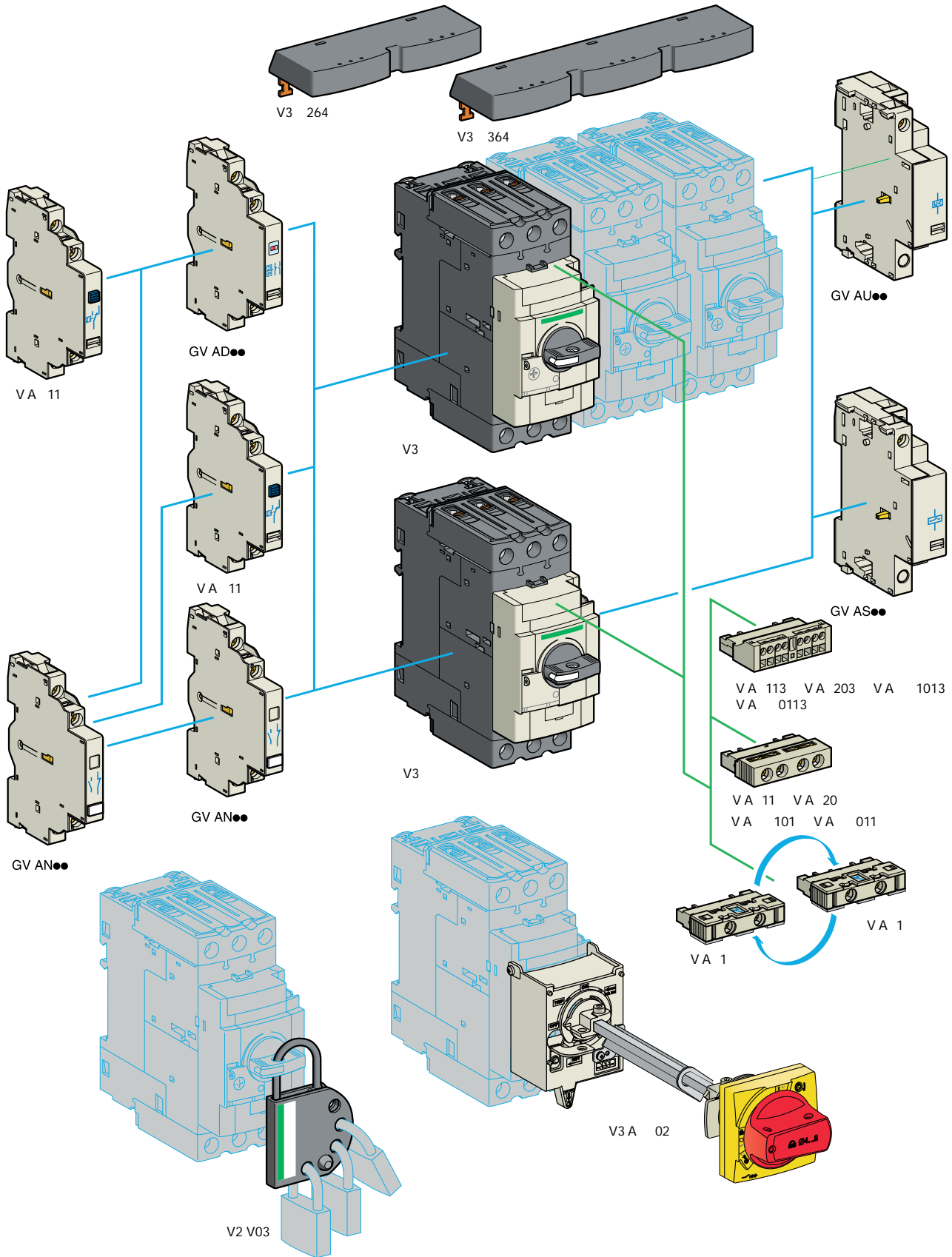
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W.E.F. March 12, 2018

TeSys

Accessories compatibility



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☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Introducing New TeSys GV4

Motor circuit breakers



New TeSys GV4

- Compact and Robust, covering motors upto 55kW- Breaking capacity upto 100kA
- Available with magnetic, electronic thermal magnetic and advanced protection functions including alarming, jam, long start etc
- Equipped with patented EverLink power connections for the entire range, ensuring 100% reliable connections
- Type II coordination with TeSys range of contactors, including TeSys T motor controllers

GV4LE/GV4L



- IEC/EN 60947-1, IEC/EN 60947-2, CCC, EAC
- Can be used with class 5, 10 or 20 relay
- Short circuit protection
- From 0.25 - 55kW

Magnetic Protection Toggle Control

| Motor Power AC3 (400/415V AC) | | In (A) | Magnetic setting range A | 25kA breaking capacity | | 50kA breaking capacity | | 100kA breaking capacity | |
|----------------------------------|---------|-----------|-----------------------------------|---------------------------|-------------|---------------------------|-------------|----------------------------|-------------|
| kW | hP | | | Reference | Unit LP [₹] | Reference | Unit LP [₹] | Reference | Unit LP [₹] |
| 0.25..0.75 | 0.3..1 | 2 | 12..28 | - | - | GV4LE02N | on request | GV4LE02S | on request |
| 0.55..1.5 | 0.7..2 | 3.5 | 21..49 | - | - | GV4LE03N | | GV4LE03S | |
| 1.5..3 | 2..4 | 7 | 42..96 | - | - | GV4LE07N | | GV4LE07S | |
| 3..5.5 | 4..7.5 | 12.5 | 75..175 | - | - | GV4LE12N | | GV4LE12S | |
| 5.5..11 | 7.5..14 | 25 | 150..350 | GV4LE25B | on request | GV4LE25N | | GV4LE25S | |
| 11..22 | 15..30 | 50 | 300..700 | GV4LE50B | | GV4LE50N | | GV4LE50S | |
| 18.5..37 | 25..50 | 80 | 480..1120 | GV4LE80B | 12800 | GV4LE80N | 15000 | GV4LE80S | 21700 |
| 30..55 | 40..75 | 115 | 690..1610 | GV4LE115B | 12800 | GV4LE115N | 15000 | GV4LE115S | 21700 |

Magnetic Protection Rotary Handle Control

| Motor Power AC3 (400/415V AC) | | In (A) | Magnetic setting range A | 25kA breaking capacity | | 50kA breaking Capacity | |
|----------------------------------|---------|-----------|-----------------------------------|---------------------------|-------------|---------------------------|-------------|
| kW | hP | | | Reference | Unit LP [₹] | Reference | Unit LP [₹] |
| 0.25..0.75 | 0.3..1 | 2 | 12..28 | - | - | GV4L02N | on request |
| 0.55..1.5 | 0.7..2 | 3.5 | 21..49 | - | - | GV4L03N | |
| 1.5..3 | 2..4 | 7 | 42..96 | - | - | GV4L07N | |
| 3..5.5 | 4..7.5 | 12.5 | 75..175 | - | - | GV4L12N | |
| 5.5..11 | 7.5..14 | 25 | 150..350 | GV4L25B | on request | GV4L25N | |
| 11..22 | 15..30 | 50 | 300..700 | GV4L50B | | GV4L50N | |
| 18.5..37 | 25..50 | 80 | 480..1120 | GV4L80B | 13500 | GV4L80N | 15800 |
| 30..55 | 40..75 | 115 | 690..1610 | GV4L115B | 13500 | GV4L115N | 15800 |

GV4PE/GV4P



- 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
- Phase unbalance or phase loss
- Front indications through LED

Thermal Magnetic Protection Toggle Control

| Motor Power AC3 (400/415V AC) | | In (A) | Thermal setting range A | 25kA breaking capacity | | 50kA breaking Capacity | | 100kA breaking Capacity | |
|----------------------------------|---------|-----------|----------------------------------|---------------------------|-------------|---------------------------|-------------|----------------------------|-------------|
| kW | hP | | | Reference | Unit LP [₹] | Reference | Unit LP [₹] | Reference | Unit LP [₹] |
| 0.25..0.75 | 0.3..1 | 2 | 0.8..2 | - | - | GV4PE02N | on request | GV4PE02S | on request |
| 0.55..1.5 | 0.7..2 | 3.5 | 1.4..3.5 | - | - | GV4PE03N | | GV4PE03S | |
| 1.5..3 | 2..4 | 7 | 2.9..7 | - | - | GV4PE07N | | GV4PE07S | |
| 3..5.5 | 4..7.5 | 12.5 | 5..12.5 | - | - | GV4PE12N | | GV4PE12S | |
| 5.5..11 | 7.5..14 | 25 | 10..25 | GV4PE25B | on request | GV4PE25N | | GV4PE25S | |
| 11..22 | 15..30 | 50 | 20..50 | GV4PE50B | | GV4PE50N | | GV4PE50S | |
| 18.5..37 | 25..50 | 80 | 40..80 | GV4PE80B | 16380 | GV4PE80N | 18500 | GV4PE80S | 22150 |
| 30..55 | 40..75 | 115 | 65..115 | GV4PE115B | 16380 | GV4PE115N | 18500 | GV4PE115S | 22150 |

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. March 12, 2018

GV4P

Thermal Magnetic Protection Rotary Handle Control

| Motor power AC3** | | In (A) | Thermal setting range A | 25kA breaking capacity | | 50kA breaking Capacity | |
|-------------------|---------|-----------|----------------------------|------------------------|-------------|------------------------|-------------|
| kW | hP | | | Reference | Unit LP [₹] | Reference | Unit LP [₹] |
| 0.25..0.75 | 0.3..1 | 2 | 0.8..2 | - | - | GV4P02N | on request |
| 0.55..1.5 | 0.7..2 | 3.5 | 1.4..3.5 | - | - | GV4P03N | |
| 1.5..3 | 2..4 | 7 | 2.9..7 | - | - | GV4P07N | |
| 3..5.5 | 4..7.5 | 12.5 | 5..12.5 | - | - | GV4P12N | |
| 5.5..11 | 7.5..14 | 25 | 10..25 | GV4P25B | on request | GV4P25N | |
| 11..22 | 15..30 | 50 | 20..50 | GV4P50B | | GV4P50N | |
| 18.5..37 | 25..50 | 80 | 40..80 | GV4P80B | 17200 | GV4P80N | 19400 |
| 30..55 | 40..75 | 115 | 65..115 | GV4P115B | 17200 | GV4P115N | 19400 |

* Reference to be completed by adding coil voltage code BD (24 V DC) or FU (110-230V AC)

GV4PEM



- IEC/EN 60947-1,-2,-4-1, UL 60947-4-1, CCC, EAC, CSA
- Short circuit and overload protection
- Embedded protection functions: jam, long start, phase unbalance or phase loss, ground fault
- LED indication on front face
- Remote indication, fault differentiation and alarming with the SDx module



Fully configurable on NFC using the TeSys GV4 app, available for select Android devices

Multifunction Advanced Protection Toggle Control

| Motor power AC3** | | In (A) | Thermal setting range A | 25kA breaking capacity | | 50kA breaking Capacity | | 100kA breaking Capacity | |
|-------------------|---------|-----------|----------------------------|------------------------|-------------|------------------------|-------------|-------------------------|-------------|
| kW | hP | | | Reference | Unit LP [₹] | Reference | Unit LP [₹] | Reference | Unit LP [₹] |
| 0.25..0.75 | 0.3..1 | 2 | 0.8..2 | - | - | GV4PEM02N | on request | GV4PEM02N | on request |
| 0.55..1.5 | 0.7..2 | 3.5 | 1.4..3.5 | - | - | GV4PEM03N | | GV4PEM03N | |
| 1.5..3 | 2..4 | 7 | 2.9..7 | - | - | GV4PEM07N | | GV4PEM07N | |
| 3..5.5 | 4..7.5 | 12.5 | 5..12.5 | - | - | GV4PEM12N | | GV4PEM12S | |
| 5.5..11 | 7.5..14 | 25 | 10..25 | GV4PEM25B | on request | GV4PEM25N | GV4PEM25S | | |
| 11..22 | 15..30 | 50 | 20..50 | GV4PEM50B | 33000 | GV4PEM50N | 36000 | GV4PEM50S | 41000 |
| 22..37 | 25..50 | 80 | 40..80 | GV4PEM80B | 34500 | GV4PEM80N | 37000 | GV4PEM80S | 42000 |
| 37..55 | 40..75 | 115 | 65..115 | GV4PEM115B | 34500 | GV4PEM115N | 37000 | GV4PEM115S | 42000 |

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 LP [₹] |
|-------------------------|-------------------------|------------------|------------------|-----------|-------------|
| Auxiliary Contact Block | 2 (1 Each For Of Or Sd) | Internal Plug-In | NO+NC | GV4AE11 | 770 |

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. March 12, 2018



MX Shunt Trip

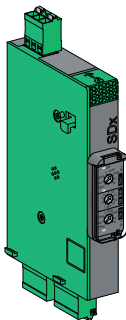
- Trips the circuit breaker when the control voltage rises above 70% of rated voltage
- Shunt trip 110..130V AC is suitable.. etc for ground fault protection when combined with a Class I ground fault sensing element

MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 35% of its rated voltage

| Description | Maximum Number | Mounting | Voltage | References | Unit LP [₹] |
|-------------------------|----------------|-------------------|---|------------|-------------|
| Mx Shunt Trip | 1 | Internal, Plug-In | 24 VAC 50/60 HZ, 24 VDC | GV4AS027 | 2020 |
| | | | 48 VAC 50/60 HZ, 48 VDC | GV4AS057 | 2020 |
| | | | 110-130 VAC 50/60 HZ, 125 VDC | GV4AS137 | 2020 |
| | | | 220-240 VAC 50 HZ, 208-240 VAC 60 HZ, 277 VAC 60 HZ | GV4AS287 | 2020 |
| | | | 380-415 VAC 50 HZ, 440-480 VAC 60 HZ | GV4AS487 | 2020 |
| Mn Undervoltage Release | 1 | Internal, Plug-In | 24 VAC 50/60 HZ, 24 VDC | GV4AU027 | 2640 |
| | | | 48 VAC 50/60 HZ, 48 VDC | GV4AU057 | 2640 |
| | | | 110-130 VAC 50/60 HZ, 125VDC | GV4AU137 | 2640 |
| | | | 220-240 VAC 50 HZ, 208-240 VAC 60 HZ | GV4AU247 | 2640 |
| | | | 277 VAC 60 HZ | GV4AU286 | 2640 |
| | | | 380-415 VAC 50 HZ | GV4AU415 | 2640 |
| | | | 440-480 VAC 60 HZ | GV4AU486 | 2640 |

SDx Contact Module (For GV4PEM)



Provides fault differentiation and alarming for GV4PEM

2 NO/NC outputs dry contacts which can be assigned to any of the following 8 SD status

- SDT95% overload alarm when thermal image of the motor exceeds 95% of permissible temp rise
- SDTXXS overload alarm will trip in 10-40s (adjustable) with the same load
- SDTAM overload alarm before tripping - for phase imbalance, overload, jam, activates to open contactor before cb tripping
- SDT overload trip indication
- SDJAM jam trip indication
- SDUNB phase imbalance trip indication
- SDLS long start trip indication
- SDGF ground fault trip indication

| Description | Maximum Number | Mounting | Type of Contacts | References | Unit LP [₹] |
|---|----------------|----------|------------------|------------|-------------|
| SDx Alarming/Fault Differentiation Module | 2 | SIDE | NO/NC | GV4ADM1111 | on request |

Rotary Handles

| Description | Type | Degree of Protection | Reference | Unit LP [₹] |
|--|----------------------------|----------------------|-----------|-------------|
| Direct Mounting Rotary Handle | Black | IP40 | GV4ADN01 | 1060 |
| | Red Handle on Yellow Bezel | IP40 | GV4ADN02 | 1060 |
| Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm) | Black | IP54 | GV4APN01 | 1570 |
| | Red Handle on Yellow Bezel | IP54 | GV4APN02 | 1570 |
| | Red Handle on Yellow Bezel | IP65 | GV4APN04 | 1650 |
| Side Rotary Handle (Left or Right) | Black | IP54 | LV426935 | 2690 |
| | Red Handle on Yellow Bezel | IP54 | LV426936 | 2690 |

Connection Accessories

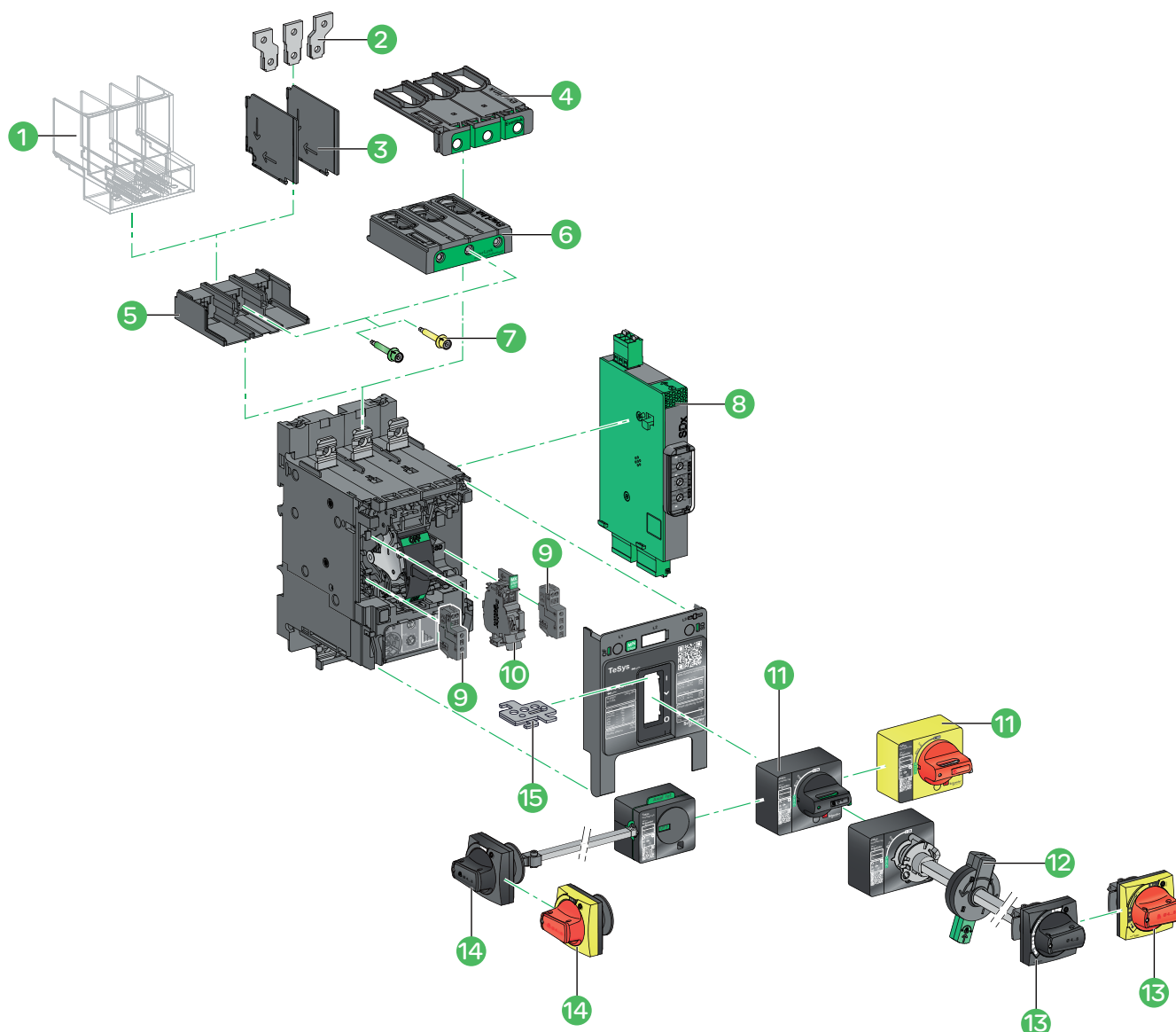
| Description | Reference | Unit LP [₹] |
|---|-----------|-------------|
| Spreader 3-pole (To increase pitch to 35mm) (1 pce) | LV426940 | 580 |

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. March 12, 2018

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

Vario Switch Disconnectors

| [I _{th}] | Conventional Thermal Current** | Poles Description | Rated Operational Power (AC 23)* | Reference | Unit LP [₹] |
|--------------------|--------------------------------|-------------------|----------------------------------|-----------|-------------|
|--------------------|--------------------------------|-------------------|----------------------------------|-----------|-------------|

Complete Enclosed Switches

• Range 12 to 175 A, IP 65 Sealable and Lockable

| | | | | |
|------|----|--------|---------|------|
| 10 A | 3P | 4 KW | VCF02GE | 2340 |
| 16 A | 3P | 5.5 KW | VCF01GE | 2550 |
| 20 A | 3P | 7.5 KW | VCF0GE | 3100 |
| 25 A | 3P | 11 KW | VCF1GE | 3330 |
| 32 A | 3P | 15 KW | VCF2GE | 3900 |
| 50 A | 3P | 22 KW | VCF3GE | 6030 |
| 63 A | 3P | 30 KW | VCF4GE | 7060 |

* Rated Power at 415 V

** I_{th} in enclosure

| For Switch Type (Amps) | Mounting Arrangement | Ingress | Reference | Unit LP [₹] |
|------------------------|----------------------|---------|-----------|-------------|
|------------------------|----------------------|---------|-----------|-------------|

Operators (Padlockable)

| | | | | |
|-------------|----------------|------|--------|------|
| 12 - 40 A | 4 Screw Fixing | IP65 | KCF1PZ | 510 |
| 63 - 80 A | 4 Screw Fixing | IP65 | KCF2PZ | 540 |
| 125 - 175 A | 4 Screw Fixing | IP40 | KCF3PZ | 2220 |

Vario Switch Disconnectors

| [I _{th}] Conventional Thermal Current | Poles Description | Reference | Unit LP [₹] |
|---|-------------------|-----------|-------------|
|---|-------------------|-----------|-------------|

Complete Switch with Padlockable Operator

• Suitable for Front Mounting or Base Mounting

| | | | |
|-------|----|-------|-------|
| 12A | 3P | VCF02 | 1470 |
| 20 A | 3P | VCF01 | 1600 |
| 25 A | 3P | VCF0 | 1870 |
| 32 A | 3P | VCF1 | 1960 |
| 40 A | 3P | VCF2 | 2430 |
| 63 A | 3P | VCF3 | 3810 |
| 80 A | 3P | VCF4 | 4120 |
| 125 A | 3P | VCF5 | 9440 |
| 175 A | 3P | VCF6 | 11440 |

Switch Bodies

| | | |
|-------|-----|------|
| 12A | V02 | 960 |
| 20 A | V01 | 1110 |
| 25 A | V0 | 1320 |
| 32 A | V1 | 1600 |
| 40 A | V2 | 1960 |
| 63 A | V3 | 2730 |
| 80 A | V4 | 3590 |
| 125 A | V5 | 7280 |
| 175 A | V6 | 9290 |

Accessories

| Description | For Use with switch Bodies | Rating Pole | Pole Composition | Earth Contact | Auxiliary contacts | Reference | Unit LP [₹] |
|-------------|----------------------------|-------------|------------------|---------------|--------------------|-----------|-------------|
|-------------|----------------------------|-------------|------------------|---------------|--------------------|-----------|-------------|

Vario Add-on Modules ⁽¹⁾

| | | | | | | | |
|------------------------------------|---------------------------|------|----|---|-------------|------|------|
| Main Pole Module | V02/VCF02 | 12 A | 1P | - | - | VZ02 | 680 |
| | V01/VCF01 | 20 A | 1P | - | - | VZ01 | 700 |
| | V0/VCF0 | 25 A | 1P | - | - | VZ0 | 740 |
| | V1/VCF1 | 32 A | 1P | - | - | VZ1 | 730 |
| | V2/VCF2 | 40 A | 1P | - | - | VZ2 | 780 |
| | V3/VCF3 | 63 A | 1P | - | - | VZ3 | 1010 |
| | V4/VCF4 | 80 A | 1P | - | - | VZ4 | 1010 |
| Neutral Pole Module ⁽²⁾ | V02 / VCF02 to V2 / VCF2 | - | 1N | - | - | VZ11 | 830 |
| | V3 / VCF3 to V4 / VCF4 | - | 1N | - | - | VZ12 | 1120 |
| | V5 / VCZ5 to V6 / VCZ6 | - | 1N | - | - | VZ13 | 2310 |
| Earthing Module | V02 / VCF02 to V2 / VCF20 | - | - | - | - | VZ14 | 820 |
| | V3 / VCF3 to V4 / VCF4 | - | - | 1 | - | VZ15 | 970 |
| | V5 / VCZ5 to V6 / VCZ6 | - | - | 1 | - | VZ16 | 1510 |
| Auxiliary Contact Block Module | V02/ VCF02 to V6 / VCZ6 | - | - | - | 1 NO + 1 NC | VZ7 | 860 |
| | V2/ VCF02 to V6 / VCZ6 | - | - | - | 2 NO | VZ20 | 860 |

(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 LP [₹] |
|-------------|--------------|-----------|-------------|
|-------------|--------------|-----------|-------------|

Components for Door Interlocking

| | | | |
|--|----------------|---------|------|
| Shaft extension - for Mini-VARIO and VARIO - V02..V2 | V02...V2 | VZ17 | 820 |
| | | VZ30 | 970 |
| Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6 | V3, V4, V5, V6 | VZ18 | 970 |
| | | VZ31 | 1110 |
| Door interlock plate | VZ17 / VZ30 | KZ32 | 210 |
| | | VZ18/31 | KZ74 |

Input Terminal Protection Shrouds

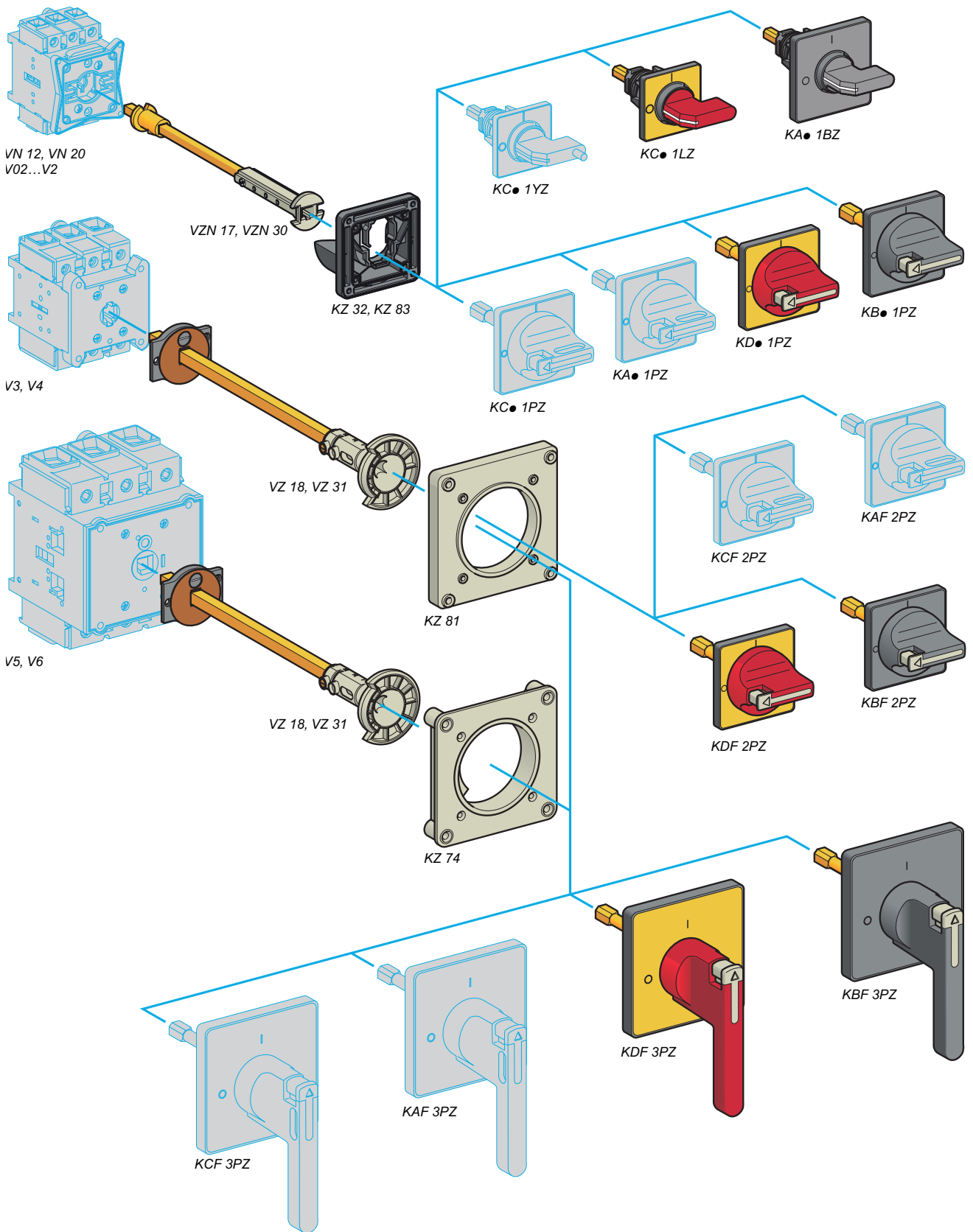
| | | | |
|------------------|----------|------|-----|
| Terminal Shrouds | V02 - V2 | VZ8 | 270 |
| | | VZ26 | 240 |
| | V3 - V4 | VZ9 | 290 |
| | | VZ27 | 240 |
| | V5 - V6 | VZ10 | 370 |
| | | VZ28 | 410 |
| V02 - V6 | VZ29 | 270 | |

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

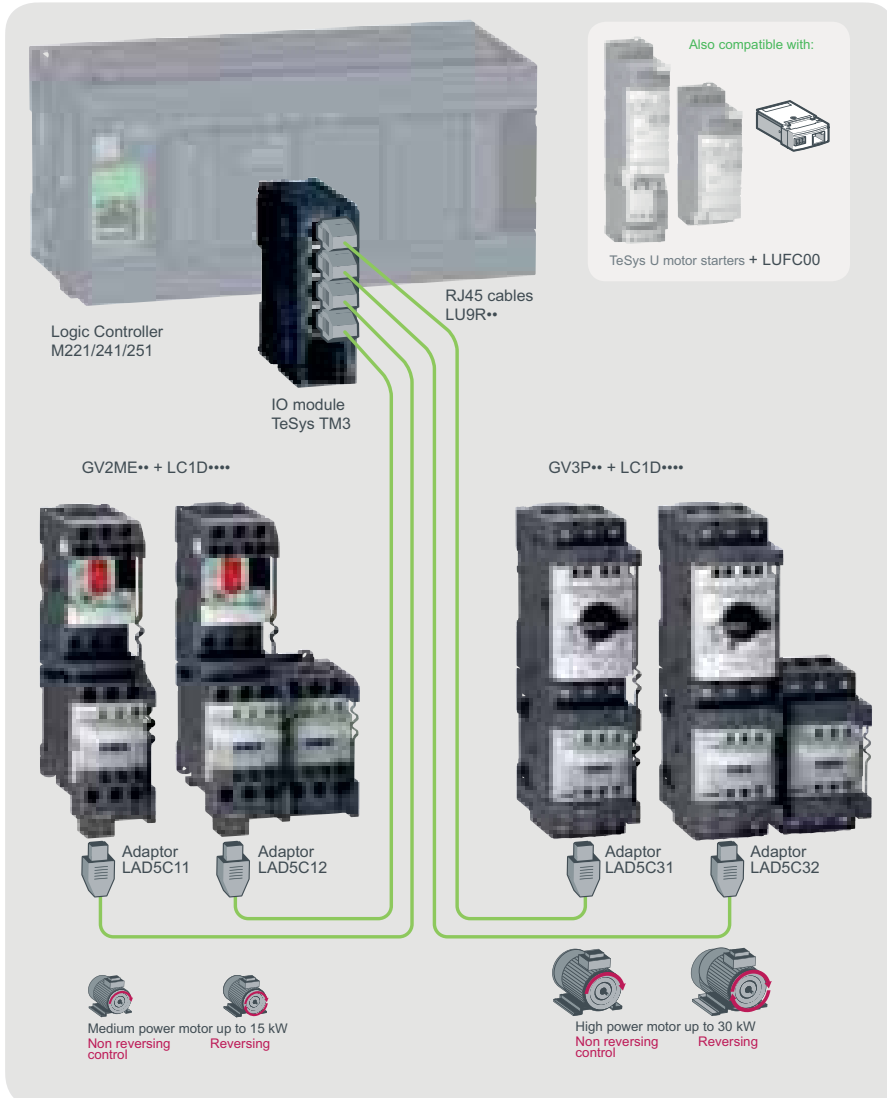
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TeSys Switches Accessories



Let TeSys SoLink be your drive!

Integration system for motor starters up to 30 kW/400 V in automation environment



20 times faster for control circuit wiring
Simple and fast wiring



100% upgradable
Plug & Play solutions



0% Chance of connection errors
Intuitive connection



100% availability during machine life cycles
Software & Hardware integrated

TM3 provides the 24 V DC control voltage to the motor starter coil.



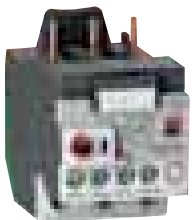
| Direct or Reversing | | |
|-------------------------|-----------------------------|-----------------------------|
| TeSys D | Upto 15kW | From 18.5kW to 30kW |
| 1 Motor Circuit Breaker | GV2ME** OR GV2P** | GV3P** |
| 2 Contactor 24V DC | LC1D**B* or LC2D**B* | LC1D**BD or LC2D**BD |
| 3 Combination Block | GV2AF3 | - |
| 4 Auxiliary Contact | GVAE20 | GVAE20 |
| 5 Connection Module | LAD5C11(DOL), LAD5C12(RDOL) | LAD5C31(DOL), LAD5C32(RDOL) |
| Connection Cable | | |
| 6 Connection Cable** | LU9R** | |
| IO Module | | |
| 7 IO Module | TM3XTYS4 | |

Note:

- ** Choose your correct length.
- Similar configurations available for TeSys U also.

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

EOLR - LR9D

Electronic Overload Relay



- Conformance to IEC, UL, CSA
- Range : 0.1A to 110A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5, 10, 20 & 30
- Type 1 & type 2 Coordination chart available

| Current Range | For Use With | Reference* | Unit MRP [₹] |
|---------------|-------------------|------------|--------------|
| 0.1....0.5A | | LR9D01 | 6970 |
| 0.4....2.0A | LC1D09 - 38A | LR9D02 | 7290 |
| 1.6....8.0A | Direct Mounting | LR9D08 | 7290 |
| 6.4....32A | | LR9D32 | 8360 |
| 22....110A | Separate Mounting | LR9D110S | 12780 |

Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205. **Unit LP ₹. 700**

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 [₹] |
| 0.5-6A | 24-240V AC/DC | EOCRSS-05S | 4000 |
| 0.5-6A | 380-440V AC | EOCRSS-05W | |
| 3-30A | 24-240V AC/DC | EOCRSS-30S | |
| 3-30A | 380-440V AC | EOCRSS-30W | |
| 5-60A | 24-240V AC/DC | EOCRSS-60S | |
| 5-60A | 380-440V AC | EOCRSS-60W | |

Note: 2 SPST output contacts

E 0 C R S S - 0 5 S

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.

Protection Relay Selection table

| Features\product | EOLR | EOCR | | |
|--|------|--------|-----------|-----------|
| | LR9D | SS/SSD | 3DM2/FDM2 | 3MZ2/FMZ2 |
| Precise Overload Protection (Inverse Time) | | | | |
| Over Current Protection (Definite Time) | | | | |
| Selectable Trip Class 5-30 | | | | |
| Current Unbalance Protection | | | | |
| Locked Rotor, Phase Loss | | * | | |
| Under current Protection | | | | |
| Ground Current Protection | | | | |
| Current Measurement | CT | CT | CT | CT |
| 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 [₹] |
| 0.5-6A | 220V AC | EOCRSSD-05DM7 | 6200 |
| 0.5-6A | 440V AC | EOCRSSD-05DR7 | |
| 3-30A | 220V AC | EOCRSSD-30DM7 | |
| 3-30A | 440V AC | EOCRSSD-30DR7 | |
| 10-60A | 220V AC | EOCRSSD-60DM7 | |
| 10-60A | 440V AC | EOCRSSD-60DR7 | |

Note: 2 SPST output contacts

To order an EOCR-SSD:

E 0 C R S S D - 0 5 D M 7

0 5 D M 7
1 2 3

| | | | |
|----------|--|-----------|----------------------|
| 1 | Current Range | 5 | 0.5-6A |
| | | 30 | 3-30A |
| | | 60 | 10-60A |
| 2 | Output Contact State | D | b (95-96), a (97-98) |
| | | B | AC/DC24V compatible |
| | | F7 | AC110V, 50/60Hz |
| 3 | Operating Power supply/ Frequency | M7 | AC220V, 50/60Hz |
| | | R7 | AC440V, 50/60Hz |

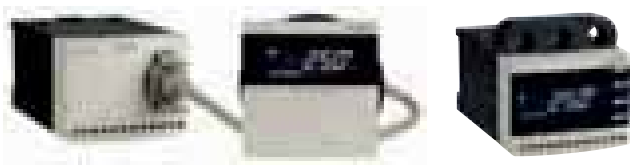
Note: For a CT combination type, please write an accessory code from the CT Order Codes separately.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

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Digital EOCR



- 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)
- 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.

3DM2/3MZ2

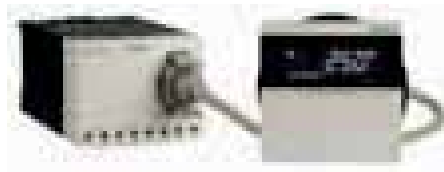
- Built-in display EOCR
- 3MZ2 - ground fault protection variant



| 3DM2/3MZ2 | | | | |
|---------------|-----------------|------------|-----------------------------------|--------------|
| Current Range | Control Voltage | Reference | Description | Unit MRP [₹] |
| 0.5-60A | 100-240V AC/DC | 3DM2-WRDUW | Without ground - fault protection | 17750 |
| | | 3DM2-WRDUH | | |
| | | 3MZ2-WRAUW | With ground - fault protection | 19150 |
| | | 3MZ2-WRAUH | | |
| | | 3MZ2-WRCUW | | |
| | | 3MZ2-WRCUH | | |
| | | 3MZ2-WRDUW | | |
| | | 3MZ2-WRDUH | | |

FDM2/FMZ2

- Extended display EOCR
- FMZ2 - ground fault protection variant



| FDM2/FMZ2 | | | | |
|---------------|-----------------|------------|-----------------------------------|--------------|
| Current Range | Control Voltage | Reference | Description | Unit MRP [₹] |
| 0.5-60A | 100-240V AC/DC | FDM2-WRDUW | Without ground - fault protection | 17800 |
| | | FDM2-WRDUH | | |
| | | FMZ2-WRAUW | With ground - fault protection | 19200 |
| | | FMZ2-WRAUH | | |
| | | FMZ2-WRCUW | | |
| | | FMZ2-WRCUH | | |
| | | FMZ2-WRDUW | | |
| | | FMZ2-WRDUH | | |

Selection Table for Digital EOCR

3DM2/FDM2 WR D U W Q

| 1 | 2 | 3 | 4 | 5 |
|---|---------------------|------------------------|----------------------------|------------------------------------|
| 1 | Model name | 3DM2/FDM2 3MZ2/FMZ2 | Basic model GF model | |
| 2 | Current Range | WR | 0.5~60A | |
| | | H1 | 100:5 3CT combination type | |
| | | HH | 150:5 3CT combination type | |
| | | H2 | 200:5 3CT combination type | |
| | | H3 | 300:5 3CT combination type | |
| 3 | Output contact type | 3MZ2/FMZ2 | A | a(97-98) : OC, a(57-58) : GF |
| | | | C | b(95-96) : a(97-98) : OC,GF common |
| | | 3DM2/FDM2 | D | b(95-96) : OC, a(57-58) : GF |
| | | | D | b(95-96), a(97-98) |
| 4 | Control voltage | U | 100~240VAC/DC | |
| 5 | CT type | W | Window type | |
| | | H | Bottom hole type | |

Note: For CT combination type, other control voltages and communication requirement please contact sales.

EOCR Accessories

| ZCT - Ground Fault Protection | | | |
|-------------------------------|-----------|--------------|-------------|
| | Reference | Description | Unit LP [₹] |
| | CT-035Q | CT EP 35 M/M | 3700 |
| | CT-080Q | CT EP 80 M/M | 6200 |
| | CT-120Q | CT EP 120 MM | 10500 |

| Display & Accessories for FDM2/FMZ2 | | | |
|-------------------------------------|----------------|-------------|-------------|
| | Reference | Description | Unit LP [₹] |
| | OCR-PDM | ISPLAY | 4900 |
| | ABLE-RJ45-001Q | ABLE 1M | 1500 |
| | ABLE-RJ45-003Q | ABLE 3M | 1700 |

Square 3CT

3CT - H1 - 100 - C

| Reference | Description | Unit LP [₹] | |
|-----------|-------------|------------------|------------|
| | H1-100-C | Square 3CT 100:5 | on request |
| | HH-150-C | Square 3CT 150:5 | |
| | H2-200-C | Square 3CT 200:5 | |
| | H3-300-C | Square 3CT 300:5 | |
| | H4-400-C | Square 3CT 400:5 | |

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. March 12, 2018

Motor management solution



GV4PEM



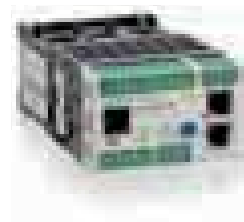
Tesys H



Tesys U



Tesys T



Your requirements

+



TeSys Intelligence

=

**100%
reliable**

Schneider Electric puts reliability at the heart of its strategy of innovation and, with TeSys, offers a wide range of solutions for the Power Control and Protection that covers all your needs, from basic to advanced.

GV4PEM



- IEC/EN 60947-1,-2,-4-1, UL 60947-4-1, CCC, EAC, CSA
- Short circuit and overload protection
- Embedded protection functions: jam, long start, phase unbalance or phase loss, ground fault
- LED indication on front face
- Remote indication, fault differentiation and alarming with the SDx module



Fully configurable on NFC using the TeSys GV4 app, available for select Android devices

Multifunction Advanced Protection Toggle Control

| Motor power AC3** | | In | Thermal setting range | 25kA breaking capacity | | 50kA breaking Capacity | | 100kA breaking Capacity | |
|-------------------|---------|------|-----------------------|------------------------|-------------|------------------------|-------------|-------------------------|-------------|
| kW | hP | (A) | A | Reference | Unit LP [₹] | Reference | Unit LP [₹] | Reference | Unit LP [₹] |
| 0.25..0.75 | 0.3..1 | 2 | 0.8..2 | - | - | GV4PEM02N | | GV4PEM02N | |
| 0.55..1.5 | 0.7..2 | 3.5 | 1.4..3.5 | - | - | GV4PEM03N | | GV4PEM03N | |
| 1.5..3 | 2..4 | 7 | 2.9..7 | - | - | GV4PEM07N | on request | GV4PEM07N | on request |
| 3..5.5 | 4..7.5 | 12.5 | 5..12.5 | - | - | GV4PEM12N | | GV4PEM12S | |
| 5.5..11 | 7.5..14 | 25 | 10..25 | GV4PEM25B | on request | GV4PEM25N | | GV4PEM25S | |
| 11..22 | 15..30 | 50 | 20..50 | GV4PEM50B | 33000 | GV4PEM50N | 36000 | GV4PEM50S | 41000 |
| 22..37 | 25..50 | 80 | 40..80 | GV4PEM80B | 34500 | GV4PEM80N | 37000 | GV4PEM80S | 42000 |
| 37..55 | 40..75 | 115 | 65..115 | GV4PEM115B | 34500 | GV4PEM115N | 37000 | GV4PEM115S | 42000 |

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 LP [₹] |
|-------------------------|-------------------------|------------------|------------------|-----------|-------------|
| Auxiliary Contact Block | 2 (1 Each For Of Or Sd) | Internal Plug-In | NO+NC | GV4AE11 | 770 |

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. March 12, 2018



MX Shunt Trip

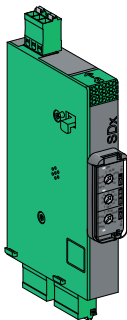
- Trips the circuit breaker when the control voltage rises above 70% of rated voltage
- Shunt trip 110..130V AC is suitable.. etc for ground fault protection when combined with a Class I ground fault sensing element

MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 35% of its rated voltage

| Description | Maximum Number | Mounting | Voltage | References | Unit LP [₹] |
|-------------------------|----------------|-------------------|---|------------|-------------|
| Mx Shunt Trip | 1 | Internal, Plug-In | 24 VAC 50/60 HZ, 24 VDC | GV4AS027 | 2020 |
| | | | 48 VAC 50/60 HZ, 48 VDC | GV4AS057 | 2020 |
| | | | 110-130 VAC 50/60 HZ, 125 VDC | GV4AS137 | 2020 |
| | | | 220-240 VAC 50 HZ, 208-240 VAC 60 HZ, 277 VAC 60 HZ | GV4AS287 | 2020 |
| | | | 380-415 VAC 50 HZ, 440-480 VAC 60 HZ | GV4AS487 | 2020 |
| Mn Undervoltage Release | 1 | Internal, Plug-In | 24 VAC 50/60 HZ, 24 VDC | GV4AU027 | 2640 |
| | | | 48 VAC 50/60 HZ, 48 VDC | GV4AU057 | 2640 |
| | | | 110-130 VAC 50/60 HZ, 125VDC | GV4AU137 | 2640 |
| | | | 220-240 VAC 50 HZ, 208-240 VAC 60 HZ | GV4AU247 | 2640 |
| | | | 277 VAC 60 HZ | GV4AU286 | 2640 |
| | | | 380-415 VAC 50 HZ | GV4AU415 | 2640 |
| | | | 440-480 VAC 60 HZ | GV4AU486 | 2640 |

SDx Contact Module (For GV4PEM)



Provides fault differentiation and alarming for GV4PEM

2 NO/NC outputs dry contacts which can be assigned to any of the following 8 SD status

- SDT95% overload alarm when thermal image of the motor exceeds 95% of permissible temp rise
- SDTXXS overload alarm will trip in 10-40s (adjustable) with the same load
- SDTAM overload alarm before tripping - for phase imbalance, overload, jam, activates to open contactor before cb tripping
- SDT overload trip indication
- SDJAM jam trip indication
- SDUNB phase imbalance trip indication
- SDLS long start trip indication
- SDGF ground fault trip indication

| Description | Maximum Number | Mounting | Type of Contacts | References | Unit LP [₹] |
|---|----------------|----------|------------------|------------|-------------|
| SDx Alarming/Fault Differentiation Module | 2 | SIDE | NO/NC | GV4ADM1111 | on request |

Rotary Handles

| Description | Type | Degree of Protection | Reference | Unit LP [₹] |
|--|----------------------------|----------------------|-----------|-------------|
| Direct Mounting Rotary Handle | Black | IP40 | GV4ADN01 | 1060 |
| | Red Handle on Yellow Bezel | IP40 | GV4ADN02 | 1060 |
| Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm) | Black | IP54 | GV4APN01 | 1570 |
| | Red Handle on Yellow Bezel | IP54 | GV4APN02 | 1570 |
| | Red Handle on Yellow Bezel | IP65 | GV4APN04 | 1650 |
| Side Rotary Handle (Left or Right) | Black | IP54 | LV426935 | 2690 |
| | Red Handle on Yellow Bezel | IP54 | LV426936 | 2690 |

Connection Accessories

| Description | Reference | Unit LP [₹] |
|---|-----------|-------------|
| Spreader 3-pole (To increase pitch to 35mm) (1 pce) | LV426940 | 580 |

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. March 12, 2018

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

TeSys H - Ultra-compact starters

Standard version



- **2 ratings:**
 - 2.4 A 400 V AC53a
 - 6.5 A 400 V AC53a
- **2 control voltages:**
 - 24 V DC
 - 110 V / 230 V AC
- **2 terminal types:**
 - Screw clamps
 - Spring
- **Can provide up to 3 functions:**
 - Forward running
 - Reverse running
 - Overload protection

Standard Starter TeSys H

| Motor Power @ 415VAC | Current range | Screw terminals | Unit LP [₹] | Spring terminals | Unit LP [₹] |
|----------------------|---------------|-----------------|-------------|------------------|-------------|
| KW | | | | | |
| 1 way (DOL) | | | | | |
| 0.75 | 0.18...2.4A | LZ1H2X4** | On Request | LZ1H2X43** | On Request |
| 3 | 1.5...6.5A | LZ1H6X5** | On Request | LZ1H6X53** | On Request |
| 2 ways (RDOL) | | | | | |
| 0.75 | 0.18...2.4A | LZ2H2X4** | On Request | LZ2H2X43** | On Request |
| 3 | 1.5...6.5A | LZ2H6X5** | On Request | LZ2H6X53** | On Request |

Safety version



- **Safe Torque Off embedded:**
 - SIL3 according to IEC61508-1
 - Ple according to ISO13849-1
- **ATEX:**
 - As associated devices motor protection

Safety Starter TeSys H

| Motor Power @ 415VAC | Current range | Screw terminals | Unit LP [₹] | Spring terminals | Unit LP [₹] |
|----------------------|---------------|-----------------|-------------|------------------|-------------|
| KW | | | | | |
| 1 way (DOL) | | | | | |
| 0.75 | 0.18...2.4A | LZ7H2X4** | On Request | LZ7H2X43** | On Request |
| 3 | 1.5...6.5A | LZ7H6X5** | On Request | LZ7H6X53** | On Request |
| 2 ways (RDOL) | | | | | |
| 0.75 | 0.18...2.4A | LZ8H2X4** | On Request | LZ8H2X43** | On Request |
| 3 | 1.5...6.5A | LZ8H6X5** | On Request | LZ8H6X53** | On Request |

** Reference to be completed by adding coil voltage code BD (24 V DC) or FU (110-230V AC)

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. March 12, 2018

Let TeSys U build the solution for you!



TeSys U is an innovative “self-protected combination starter” providing motor disconnect, motor branch circuit protection, motor controller and motor overload protection in a single product.

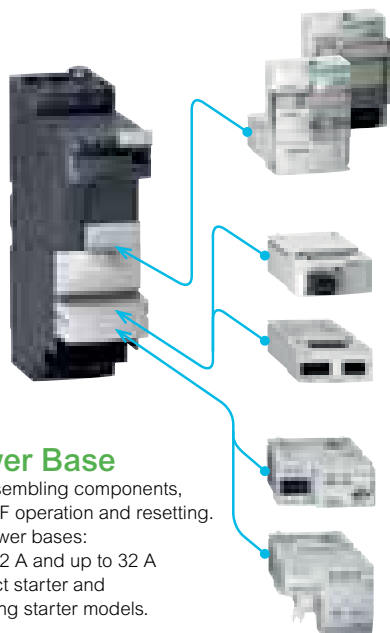
- Total Coordination compliant to IEC 60947-6-2 and UL 508 Type E
- Modular and Scalable
- Compact starter 45 mm width



TeSys U - Make the Starter Smarter



- Total Coordinated Starter – 3 functions in a single device
- Compact Starter, DOL / RDOL upto 15kW(32A, AC-3) in 45mm width
- Direct connectivity to Modbus / Profibus / CANopen / DeviceNet /AS-i
- Higher switching life - 15Million operations, 2Million AC-43 electrical life
- Breaking capacity upto 130kA



Power Base

For assembling components, ON/OFF operation and resetting.
 > 2 power bases:
 up to 12 A and up to 32 A
 > Direct starter and reversing starter models.

Control Unit

Performs all the electrical protection functions to cover main applications from 0 to 32 A.

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.

6 communication modules

- AS-Interface
- Profibus DP
- CANopen
- DeviceNet
- Advantys STB
- Modbus.

40%

“TeSys solutions allow us to reduce the size of our enclos 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

| Description | Rating at 440 V kW | Reference | Unit LP [₹] |
|---|--------------------|-----------|-------------|
| Power Bases for Non-Reversing D.O.L. Starter | | | |
| 12 A | upto 5.5 | LUB12 | On Request |
| 32 A | Upto 15 | LUB32 | On Request |

| Description | Rating at 440 V kW | Standard Reference | Advanced Reference | Multifunction Reference | Unit LP [₹] |
|----------------------|--------------------|--------------------|--------------------|-------------------------|-------------|
| Control Units | | | | | |
| 0.15...0.6 A | 0.09 | LUCAX6** | LUCBX6** | LUCMX6BL | On Request |
| 0.35...1.4 A | 0.25 | LUCA1X** | LUCB1X** | LUCM1XBL | On Request |
| 1.25...5 A | 1.5 | LUCA05** | LUCB05** | LUCM05BL | On Request |
| 3...12 A | 5.5 | LUCA12** | LUCB12** | LUCM12BL | On Request |
| 4.5...18 A | 7.5 | LUCA18** | LUCB18** | LUCM18BL | On Request |
| 8...32 A | 15 | LUCA32** | LUCB32** | LUCM32BL | On Request |

Note: To make the complete unit you need to order base and any of the control units
 * Reference to be completed by adding coil voltage code

| VOLTAGE | 24 | 48...72 | 100...240 |
|---------|-----------------------|-------------------|-------------------|
| DC | BL ^{(1) (2)} | - | - |
| AC | B | - | - |
| AC/DC | - | ES ⁽³⁾ | FU ⁽⁴⁾ |

- (1) Voltage code to be used for a starter-controller with communication module.
- (2) DC voltage with maximum ripple of ± 10 %.
- (3) DC: 48...72 V, AC: 48 V.
- (4) DC: 110...220 V, AC: 110...240 V.

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. March 12, 2018

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)

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: Seamless into your automation system. Supports five major communication protocols



Expansion modules:



LTMEV:

Voltage and power based protections (4DI).



LTMCUF:

Easy monitor settings, configure & diagnose faults, compatible with laptops, **Fast Device Replacement (FDR)** for high machine uptime.

TeSys T now combines industry-standard Modbus TCP and EtherNet/IP protocols in the same module.

| Description | Ethernet IP / Modbus TCP IP | Modbus | Profibus | CanOpen | DeviceNet | Unit LP [₹] |
|---|-----------------------------|-----------|-----------|-----------|-----------|-------------|
| 0.4 TO 8A | LTMR08E* | LTMR08M* | LTMR08P* | LTMR08C* | LTMR08D* | On Request |
| 1.35 TO 27A | LTMR27E* | LTMR27M* | LTMR27P* | LTMR27C* | LTMR27D* | On Request |
| 5 TO 100A | LTMR100E* | LTMR100M* | LTMR100P* | LTMR100C* | LTMR100D* | On Request |
| Extension Modules | LTMEV40** | | | | | |
| Note: Above 100 Amps external CT required. | | | | | | |
| Voltage Expansion Module (4DI) | LTMEV40* | | | | | On Request |
| HMI Display Module | LTMCUF | | | | | On Request |

*Reference to be completed by adding control voltage code

** Control Voltage Code

| VOLTAGE | |
|---------|----|
| 24 DC | BD |
| 110 VAC | FM |

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. March 12, 2018

TE Start - Lifeline of Motors



>> TDL



>> TSD/A



>> TRS

TE Start & TeSys Motor Starters

- Exhaustive Range of industrial starters consisting of DOL, Reversing, Automatic star delta starters
- Better aesthetic & Assured performance
- Test to trip facility
- Built in single phasing protection

DOL Starters



| Motor Power HP | Thermal Protection adjustment Range | Device Short Name | Reference | Unit MRP ₹ |
|----------------|-------------------------------------|-------------------|-----------|------------|
|----------------|-------------------------------------|-------------------|-----------|------------|

TDL, Automatic 1 Phase (0.17 - 3 HP)

| | | | | |
|------|-------------|-------|-----------|------|
| 0.17 | 1.1...1.7 A | 5TDL | MS11AC04* | 2490 |
| 0.33 | 2.5...4 A | 5TDL | MS11AC06* | |
| 0.5 | 4...6 A | 5TDL | MS11AC07* | |
| 1 | 5.5...8 A | 5TDL | MS11AC09* | |
| 1.5 | 9...13 A | 10TDL | MS11AC10* | 2780 |
| 2 | | 10TDL | MS11AC11* | |
| 3 | | 10TDL | MS11AC13* | |

TDL, Automatic 3 Phase (0.05 - 125 HP)

| | | | | | |
|-------|---------------|-----------|-------------|-------|-------|
| 0.05 | 0.16...0.25 A | 5TDL | MS13AC01* | 2380 | |
| 0.125 | 0.24...0.4 A | 5TDL | MS13AC03* | | |
| 0.17 | 0.4...0.63 A | 5TDL | MS13AC04* | | |
| 0.25 | 0.63...1 A | 5TDL | MS13AC05* | | |
| 0.33 | | 5TDL | MS13AC06* | | |
| 0.5 | | 5TDL | MS13AC07* | | |
| 0.75 | 1...1.7 A | 5TDL | MS13AC08* | 2470 | |
| 1 | 1.6...2.5 A | 5TDL | MS13AC09* ✓ | | |
| 1.5 | 5TDL | MS13AC10* | | | |
| 2 | 2.5...4 A | 5TDL | MS13AC11* ✓ | | |
| 3 | 4...6 A | 5TDL | MS13AC12* ✓ | | |
| 5 | 5.5...8 A | 5TDL | MS13AC14* ✓ | | |
| 7.5 | 9...13 A | 10TDL | MS13AC15* ✓ | 2760 | |
| 10 | 12...18 A | 10TDL | MS13AC16* ✓ | | |
| 12.5 | 16...24 A | 15TDL | MS13AC17* | | |
| 15 | | 15TDL | MS13AC18* ✓ | | |
| 17.5 | 23...32 A | 20TDL | MS13AC19* | | 7590 |
| 20 | | 20TDL | MS13AC20* | | |
| 25 | 30...40 A | 30TDL | MS13AC21* | 11950 | |
| 30 | 37...50 A | 30TDL | MS13AC22* | | |
| 40 | 48...65 A | 40TDL | MS13AC24* | | |
| 50 | 63...80 A | 50TDL | MS13AC26* | | |
| 75 | 84...135 A | 75TDL | MS13AC28* | | |
| 100 | 124...198 A | 100TDL | MS13AC29* | | 36070 |
| 125 | | 125TDL | MS13AC30* | 42040 | |

TRS, Automatic Reversing 3 Phase (3 - 20 HP)

| | | | | |
|------|-----------|-------|-----------|-------|
| 3 | 4...6 A | 10TRS | MS13RJ12* | 6770 |
| 5 | 5.5...8 A | 10TRS | MS13RJ14* | |
| 7.5 | 9...13 A | 10TRS | MS13RJ15* | |
| 10 | 12...18 A | 10TRS | MS13RJ16* | |
| 12.5 | 16...24 A | 20TRS | MS13RJ17* | 11080 |
| 15 | | 20TRS | MS13RJ18* | |
| 17.5 | 23...32 A | 20TRS | MS13RJ19* | 11690 |
| 20 | | 20TRS | MS13RJ20* | |

Star Delta Starters



| Motor Power HP | Thermal Protection adjustment Range | Device Short Name | Reference | Unit MRP ₹ |
|----------------|-------------------------------------|-------------------|-----------|------------|
|----------------|-------------------------------------|-------------------|-----------|------------|

TSD/A, Automatic 3 Phase (7.5 - 400 HP)

| | | | | |
|------|-------------|---------|-------------|--------|
| 7.5 | 5.5...8 A | 15TSDA | MS23AI15* | 8070 |
| 10 | 7...10 A | 15TSDA | MS23AI16* ✓ | 8070 |
| 12.5 | 9...13 A | 15TSDA | MS23AI17* | 8190 |
| 15 | | 15TSDA | MS23AI18* ✓ | 8190 |
| 20 | 12...18 A | 30TSDA | MS23AI20* ✓ | 9300 |
| 25 | 16...24 A | 30TSDA | MS23AI21* ✓ | 10570 |
| 30 | 23...32 A | 30TSDA | MS23AI22* ✓ | 12220 |
| 35 | | 40TSDA | MS23AI23* | 19600 |
| 40 | 30...38 A | 40TSDA | MS23AI24* | 21580 |
| 50 | 37...50 A | 50TSDA | MS23AI26* | 26200 |
| 60 | | 75TSDA | MS23AI27* | 45460 |
| 75 | 45...65 A | 75TSDA | MS23AI28* | 48540 |
| 100 | 62...99 A | 100TSDA | MS23AI29* | 63160 |
| 125 | 84...135 A | 125TSDA | MS23AI30* | 65590 |
| 150 | | 150TSDA | MS23AI31* | 81630 |
| 200 | 124...198 A | 200TSDA | MS23AI32* | 98100 |
| 250 | 174...279 A | 250TSDA | MS23AI33* | 123800 |
| 400 | 259...414 A | 400TSDA | MS23AI34* | 148850 |

| VOLTAGE | 220 | 415 |
|----------|-----|-----|
| AC 50 Hz | M5 | N5 |

Note:- For Three and Single Phase, the standard Stockable Coil Voltages are 415V and 220V respectively.

Note:- Submersible Star-Delta Starter Panel Starters are available on request. Please consult our local Sales Office.

TeSys Starters D.O.L

| Thermal protection Adjustment Range | Motor Power kW | Reference | Unit MRP ₹ |
|-------------------------------------|----------------|-----------|------------|
|-------------------------------------|----------------|-----------|------------|

LE1-M Model Enclosed

- Conforming to IEC 947-4-1 for motors upto 7.5 kW

| | | | |
|--------------|------|------------|------|
| 0.54...0.8 A | 0.25 | LE1M35**05 | 3560 |
| 0.8...1.2 A | 0.37 | LE1M35**06 | 3990 |
| 1.2...1.8 A | 0.55 | LE1M35**07 | 3960 |
| 1.8...2.6 A | 0.75 | LE1M35**08 | 4200 |
| 2.6...3.7 A | 1.50 | LE1M35**10 | |
| 3.7...5.5 A | 2.20 | LE1M35**12 | 3960 |
| 5.5...8 A | 3 | LE1M35**14 | |
| 8...11.5 A | 4 | LE1M35**16 | 4200 |
| 10...14 A | 5.50 | LE1M35**21 | 4450 |
| 12...16 A | 7.50 | LE1M35**22 | 4200 |

| VOLTAGE | 220/230 | 380/400 | 400/415 |
|---------|---------|---------|---------|
|---------|---------|---------|---------|

| | | | |
|------|----|----|----|
| Code | M7 | Q7 | 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. March 12, 2018

Starters Spares

Spare Parts

| Description | Lot Order Quantity | Reference | Unit MRP [₹] |
|---|--------------------|--|--------------|
| For TDL, TRS & TSD/A Starters | | | |
| Pushbutton Actuator Assembly for 10/40/50/75/100/125 TDL | 10 | MSMC02 | 200 |
| Pushbutton Switch Assembly for 10 TDL | 10 | MSMC03 | 400 |
| Start Pushbutton Assembly for 40 - 400 TSDA | 10 | MSMI01 | 260 |
| Stop Pushbutton Assembly for 40 - 400 TSDA | 10 | MSMI02 | 260 |
| 9 Way Terminal Block for 15 TSDA | 10 | MSMI03 | 380 |
| 9 Way Terminal Block for 30 TSDA | 10 | MSMI04 | 380 |
| 9 Way Terminal Block for 40 - 75 TSDA | 10 | MSMI05 | 910 |
| Electronic Timer for 15 - 400 TSDA | 10 | MSMI06 <input checked="" type="checkbox"/> | 1780 |
| Pushbutton Actuator Assembly for 15/20/30 TDL, 10/20 TRS & 15/30 TSDA | 10 | MSMK01 | 430 |

Note:- For Spare coil, contactor, O/L relay and accessories, please see Activa pricelist 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. March 12, 2018

Selection Chart:

EasyPact TVS DOL (Type 2 Co-ordination with Fuse)

- Standard: IEC 60947-4-1
- Fuses: Cooper Bussmann
- Iq (A): 50KA
- Ue: 415Vac / 50Hz
- Contactor Coil: Type M5 (220 Vac/ 50 Hz)

| Motor Output | | FLC | | SDF (NX Range) | | Contactor | | Thermal Overload Relay | |
|--------------|------|------|-------|----------------|-----------------|-----------|---------|------------------------|-----------|
| KW | HP | I(A) | Type | Fuse Type | Fuse Rating (A) | Type | AC3 (A) | Type | Range (A) |
| 0.37 | 0.5 | 1 | NX32 | 6NHG000B | 6 | LC1E09 | 9 | LRE06 | 1.0 - 1.6 |
| 0.55 | 0.75 | 1.5 | NX32 | 6NHG000B | 6 | LC1E09 | 9 | LRE06 | 1.0 - 1.6 |
| 0.75 | 1 | 2 | NX32 | 6NHG000B | 6 | LC1E09 | 9 | LRE07 | 1.6 - 2.5 |
| 1.5 | 2 | 3.5 | NX32 | 16NHG000B | 16 | LC1E09 | 9 | LRE08 | 2.5 - 4.0 |
| 2.2 | 3 | 5 | NX32 | 16NHG000B | 16 | LC1E09 | 9 | LRE10 | 4.0 - 6.0 |
| 3 | 4 | 6.8 | NX32 | 20NHG000B | 20 | LC1E09 | 9 | LRE12 | 5.5 - 8.0 |
| 4 | 5.5 | 8.4 | NX32 | 20NHG000B | 20 | LC1E09 | 9 | LRE14 | 7.0 - 10 |
| 5.5 | 7.5 | 11.2 | NX32 | 25NHG000B | 25 | LC1E12 | 12 | LRE16 | 9.0 - 13 |
| 7.5 | 10 | 14 | NX63 | 40NHG000B | 40 | LC1E18 | 25 | LRE21 | 12.0 - 18 |
| 9 | 12 | 18 | NX63 | 50NHG000B | 50 | LC1E25 | 25 | LRE22 | 16 - 24 |
| 11 | 15 | 21 | NX63 | 50NHG000B | 50 | LC1E32 | 32 | LRE22 | 16 - 24 |
| 15 | 20 | 28.5 | NX63 | 63NHG000B | 63 | LC1E32 | 40 | LRE32 | 23 - 32 |
| 18.5 | 25 | 34 | NX80 | 80NHG000B | 80 | LC1E40 | 40 | LRE355 | 30 - 40 |
| 22 | 30 | 42 | NX80 | 80NHG000B | 80 | LC1E50 | 50 | LRE357 | 37 - 50 |
| 30 | 40 | 57 | NX100 | 100NHG000B | 100 | LC1E65 | 65 | LRE359 | 48- 65 |
| 37 | 50 | 70 | NX125 | 125NHG00B | 125 | LC1E80 | 80 | LRE363 | 63- 80 |
| 45 | 60 | 81 | NX160 | 160NHG00B | 160 | LC1E95 | 95 | LRE365 | 80- 104 |
| 56 | 75 | 100 | NX160 | 160NHG00B | 160 | LC1E120 | 115 | LRE482 | 84- 135 |
| 80 | 107 | 138 | NX250 | 250NHG1B | 250 | LC1E160 | 150 | LRE483 | 124- 198 |
| 90 | 120 | 165 | NX250 | 250NHG1B | 250 | LC1E160 | 160 | LRE483 | 124- 198 |
| 100 | 135 | 182 | NX315 | 315NHG2B | 315 | LC1E200 | 200 | LRE483 | 124- 198 |
| 110 | 150 | 196 | NX315 | 315NHG2B | 315 | LC1E200 | 200 | LRE483 | 124- 198 |
| 132 | 177 | 240 | NX400 | 355NHG2B | 355 | LC1E250 | 250 | LRE485 | 174- 279 |
| 160 | 215 | 285 | NX400 | 400NHG2B | 400 | LC1E300 | 300 | LRE486 | 208- 333 |

EasyPact TVS Star Delta (Type 2 Co-ordination with Fuse)

- Standard: IEC 60947-4-1
- Fuses: Cooper Bussmann
- Iq (A): 50KA
- Ue: 415Vac / 50Hz
- Contactor Coil: Type M5 (220 Vac/ 50 Hz)

| Motor Output | | FLC | | SDF (NX Range) | | | Contactor | | | Thermal Overload Relay | | |
|--------------|-----|------------|-------------|----------------|-----------|-----------------|----------------|--------|------------------------|------------------------|--------|-----------|
| KW | HP | I Line (A) | I phase (A) | Type | Fuse Type | Fuse Rating (A) | Star Contactor | AC3- A | Main / Delta Contactor | AC3- A | Type | Range (A) |
| 1.5 | 2 | 4 | 2.3 | NX32 | 10NHC00G | 10 | LC1E09 | 9 | LC1E09 | 9 | LRE07 | 1.6-2.5 |
| 2.2 | 3 | 5 | 3 | NX32 | 16NHC00G | 16 | LC1E09 | 9 | LC1E09 | 9 | LRE08 | 2.5-4 |
| 3 | 4 | 7 | 4 | NX32 | 16NHC00G | 16 | LC1E09 | 9 | LC1E09 | 9 | LRE08 | 2.5-4 |
| 4 | 5.3 | 9 | 5 | NX32 | 20NHC00G | 20 | LC1E09 | 9 | LC1E09 | 9 | LRE10 | 4-6 |
| 5.5 | 7.5 | 10 | 6 | NX32 | 20NHC00G | 20 | LC1E09 | 9 | LC1E09 | 9 | LRE12 | 5.5-8 |
| 7.5 | 10 | 16 | 9 | NX32 | 32NHC00G | 32 | LC1E09 | 9 | LC1E09 | 9 | LRE14 | 7-10 |
| 9 | 12 | 17 | 10 | NX32 | 32NHC00G | 32 | LC1E09 | 9 | LC1E12 | 9 | LRE14 | 7-10 |
| 11 | 15 | 21 | 12 | NX63 | 50NHC00G | 50 | LC1E12 | 12 | LC1E12 | 12 | LRE16 | 9-13 |
| 15 | 20 | 28 | 16 | NX63 | 63NHC00G | 63 | LC1E18 | 18 | LC1E18 | 18 | LRE21 | 12-18 |
| 22 | 30 | 42 | 24 | NX80 | 80NHC00G | 80 | LC1E25 | 25 | LC1E25 | 25 | LRE32 | 23-32 |
| 30 | 40 | 57 | 33 | NX125 | 100NHG00B | 100 | LC1E40 | 40 | LC1E40 | 40 | LRE355 | 30-40 |
| 45 | 60 | 81 | 47 | NX125 | 125NHG00B | 125 | LC1E40 | 40 | LC1E50 | 50 | LRE357 | 37-50 |
| 55 | 75 | 100 | 58 | NX125 | 125NHG00B | 125 | LC1E40 | 40 | LC1E65 | 65 | LRE359 | 48-65 |
| 80 | 107 | 139 | 80 | NX200 | 200NHG1B | 200 | LC1E80 | 80 | LC1E80 | 80 | LRE363 | 63-80 |
| 110 | 150 | 196 | 113 | NX315 | 315NHG2B | 315 | LC1E300 | 300 | LC1E300 | 300 | LRE482 | 84~135 |
| 160 | 215 | 286 | 165 | NX400 | 355NHG2B | 355 | LC1E300 | 300 | LC1E300 | 300 | LRE483 | 124~198 |

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. March 12, 2018

Selection Chart:

TeSys Standard DOL Motor Starters (Type 1 Co-ordination with MPCB at 415 V)

- Fault indication features possible
- Chance of single phasing reduced
- No replacement of fuses
- More reliability
- No running cost

| Motor Rating kW | Operational Current in A | Iq* kA | Motor Circuit Breaker | Thermal Range | Contactor |
|-----------------|--------------------------|--------|-----------------------|---------------|-----------|
| 0.37 | 1.0 | 50 | GV2ME05 | 0.63-1 | LC1K06 |
| 0.55 | 1.5 | 50 | GV2ME06 | 1-1.6 | LC1K06 |
| 0.75 | 2.0 | 50 | GV2ME07 | 1.6-2.5 | LC1K06 |
| 1.1 | 2.5 | 50 | GV2ME08 | 2.5-4 | LC1K06 |
| 1.5 | 3.5 | 50 | GV2ME08 | 2.5-4 | LC1K06 |
| 2.2 | 5.0 | 50 | GV2ME10 | 4-6.3 | LC1K06 |
| 3.0 | 6.5 | 50 | GV2ME14 | 6-10 | LC1K09 |
| 4.0 | 8.4 | 50 | GV2ME14 | 6-10 | LC1K09 |
| 5.5 | 11.0 | 15 | GV2ME16 | 9-14 | LC1K12 |
| 7.5 | 14.8 | 15 | GV2ME20 | 13-18 | LC1D18 |
| 9.0 | 18.1 | 15 | GV2ME21 | 17-23 | LC1D25 |
| 11.0 | 21.0 | 15 | GV2 ME22 | 20-25 | LC1D25 |
| 15.0 | 28.5 | 10 | GV2ME32 | 24-32 | LC1D32 |
| 18.5 | 35.0 | 50 | GV3P40 | 30-40 | LC1D40A |
| 22.0 | 42.0 | 50 | GV3P50 | 37-50 | LC1D50A |
| 30.0 | 57.0 | 50 | GV3P65 | 48-65 | LC1D65A |
| 37.0 | 69.0 | 15 | GV3ME80 | 56-80 | LC1D80 |
| 45.0 | 81.0 | 25 | GV7RE100 | 60-100 | LC1D95 |
| 55.0 | 100.0 | 25 | GV7RE150 | 90-150 | LC1D115 |
| 75.0 | 135.0 | 35 | GV7RE150 | 90-150 | LC1D150 |
| 90.0 | 165.0 | 35 | GV7RE220 | 132-220 | LC1F185 |
| 110.0 | 200.0 | 35 | GV7RE220 | 132-220 | LC1F225 |

Iq* - Rated conditional short circuit at operational voltage 415/440V

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. March 12, 2018



TeSys is IE3 and IE4 ready!

*** TeSys High Performance DOL Motor Starters (Type 2 Co-ordination with MPCB at 415 V)**

- No down time
- Fault indication features possible
- Chance of single phasing reduced
- No replacement of HRC fuses
- More reliability
- No running cost

| Motor Rating kW | Operational Current in A | Iq* kA | Motor Circuit Breaker | Thermal Range | Contactors |
|-----------------|--------------------------|--------|------------------------|---------------|------------|
| 0.37 | 1 | 130 | GV2ME05 | 0.63-1 | LC1D09 |
| 0.55 | 1.5 | 130 | GV2ME06 | 1-1.6 | LC1D09 |
| 0.75 | 2 | 130 | GV2ME07 | 1.6-2.5 | LC1D09 |
| 1.1 | 2.5 | 130 | GV2ME08 | 2.5-4 | LC1D09 |
| 1.5 | 3.5 | 130 | GV2ME08 | 2.5-4 | LC1D09 |
| 2.2 | 5 | 130 | GV2ME10 | 4-6.3 | LC1D09 |
| 3.0 | 6.5 | 130 | GV2ME14 | 6-10 | LC1D09 |
| 4.0 | 8.4 | 130 | GV2ME14 | 6-10 | LC1D09 |
| 5.5 | 11 | 130 | GV2ME16 | 9-14 | LC1D25 |
| 7.5 | 14.8 | 50 | GV2P20 | 13-18 | LC1D25 |
| 9.0 | 18.1 | 50 | GV2P21 | 17-23 | LC1D25 |
| 11.0 | 21 | 50 | GV2P22 | 20-25 | LC1D25 |
| 15.0 | 28.5 | 35 | GV2P32 | 25-32 | LC1D32 |
| 18.5 | 35 | 50 | GV3P40 | 30-40 | LC1D40A |
| 22.0 | 42 | 50 | GV3P50 | 37-50 | LC1D50A |
| 30.0 | 57 | 50 | GV3P65 | 48-65 | LC1D65A |
| 37.0 | 64 | 100 | GV4PE80S / GV4PEM80S | 40-80 | LC1D80 |
| 45.0 | 77 | 100 | GV4PE115S / GV4PEM115S | 65-115 | LC1D115 |
| 55.0 | 94 | 100 | GV4PE115S / GV4PEM115S | 65-115 | LC1D150 |
| 75.0 | 135 | 70 | GV7RS150 | 90-150 | LC1D150 |
| 90.0 | 165 | 70 | GV7RS220 | 132-220 | LC1F185 |
| 110.0 | 200 | 70 | GV7RS220 | 132-220 | LC1F225 |




Iq* Rated conditional short circuit at operational voltage 415/440 V
 * Breaking Capacity of Circuit Breakers can be increased by using current limiter type GV1L3
 For star- delta Co-ordination chart please contact regional sales office..



TeSys selection tools

To find the right combinations of products for your motor starters is simpler and quicker now.

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|---|--|---|
| <ul style="list-style-type: none"> It includes the most common solutions of enclosed motor starters Motor rated power up to 30 kW | <ul style="list-style-type: none"> Quick selection of TeSys motor starter most common combinations Motor rated power up to 75 kW | <ul style="list-style-type: none"> Define your motor starter solution among the complete TeSys offer Motor rated power up to 710 kW |
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| | <p>App for Smartphone and tablet</p> <p>Get it on Google play</p>  | |

> To discover the TeSys range and stay updated, connect on:



www.schneider-electric.com/tesys



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. March 12, 2018

ABL2 - With CE Marking only

| Input Voltage | Output Voltage | Power Supply Output Current | Rated Power In W | Reference | Unit LP [₹] |
|---------------|----------------|-----------------------------|------------------|---|-------------|
| 180 - 264 VAC | 24 V | 1.5 A | 35 W | ABL2REM24015H | 1740 |
| | 24 V | 2.2 A | 50 W | ABL2REM24020H <input checked="" type="checkbox"/> | 1930 |
| | 24 V | 4.2 A | 100 W | ABL2REM24045H <input checked="" type="checkbox"/> | 3270 |
| | 24 V | 6.5 A | 150 W | ABL2REM24065H <input checked="" type="checkbox"/> | 4050 |
| | 24 V | 8.3 A | 200 W | ABL2REM24085H | 5080 |
| | 24 V | 10.5 A | 250 W | ABL2REM24100H <input checked="" type="checkbox"/> | 6070 |
| | 24 V | 14.6 A | 350 W | ABL2REM24150H <input checked="" type="checkbox"/> | 10050 |

ABL1 - Dedicated Range

| Input Voltage | Output Voltage | Power Supply Output Current | Rated Power In W | Reference | Unit LP [₹] |
|-------------------------------------|----------------|-----------------------------|------------------|--|-------------|
| Without Anti-Harmonic Filter | | | | | |
| 100...240 V AC | 12 V DC | 5 A | 60 W | ABL1REM12050 | 3420 |
| | 24 V DC | 2.5 A | 60 W | ABL1REM24025 <input checked="" type="checkbox"/> | 3225 |
| | | 4.2 A | 100 W | ABL1REM24042 <input checked="" type="checkbox"/> | 4430 |
| 100...120 V AC | 24 V DC | 6.2 A | 150 W | ABL1REM24062 <input checked="" type="checkbox"/> | 5180 |
| | | 10 A | 240 W | ABL1REM24100 <input checked="" type="checkbox"/> | 8670 |
| With Anti-Harmonic Filter | | | | | |
| 100...240 V AC | 12 V DC | 8.3 A | 100 W | ABL1RPM12083 | 5075 |
| | 24 V DC | 4.2 A | 100 W | ABL1RPM24042 <input checked="" type="checkbox"/> | 5145 |
| 100...120 V AC | 24 V DC | 6.2 A | 150 W | ABL1RPM24062 <input checked="" type="checkbox"/> | 6770 |
| | | 10 A | 240 W | ABL1RPM24100 <input checked="" type="checkbox"/> | 10200 |

ABL8 Ranges

| Input Voltage | Output Voltage | Power Supply Output Current | Rated Power In W | Reference | Unit LP [₹] |
|---|----------------|-----------------------------|------------------|--|-------------|
| Modular Range (without PFC, Automatic Reset) | | | | | |
| 100...240 V AC | 5 V DC | 4 A | 20 W | ABL8MEM05040 | 6675 |
| | 12 V DC | 2 A | 25 W | ABL8MEM12020 | 5910 |
| Optimum Range (without PFC, Automatic or Manual Reset) | | | | | |
| 100...240 V AC | 24 V | 3 A | 72 W | ABL8REM24030 | 7670 |
| | 24 V | 5 A | 120 W | ABL8REM24050 <input checked="" type="checkbox"/> | 11500 |
| Universal Range (with PFC, Boost function, Diagnosis Contact, Automatic or Manual Reset) | | | | | |
| 100...120 V single phase 200...500 V 2 phase | 24 V | 3 A | 72 W | ABL8RPS24030 | 10080 |
| | 24 V | 5 A | 120 W | ABL8RPS24050 | 13245 |
| 100...120 V single phase 200...240 V | 24 V | 10 A | 240 W | ABL8RPS24100 | 16425 |
| | 24 V | 20 A | 480 W | ABL8RPM24200 <input checked="" type="checkbox"/> | 21355 |
| 380...500 V three phase | 24 V | 20 A | 480 W | ABL8WPS24200 | 23310 |
| | 24 V | 40 A | 960 W | ABL8WPS24400 | 38320 |

Accessories

| Description | Reference | Unit LP [₹] |
|---|--------------|-------------|
| ABL 1 | | |
| reversible mounting bracket - for regulated switch mode | ABL1A01 | 385 |
| mounting plate for 35 mm rail - for regulated switch mode | ABL1A02 | 385 |
| Note: To be ordered in lot of 5. | | |
| ABL 8 - Universal Range Accessories | | |
| Battery Back-up module 20A | ABL8BBU24200 | 19700 |
| Battery Back-up module 40A | ABL8BBU24400 | 26400 |
| Battery pack 7 Ah | ABL8BPK24A07 | 14060 |
| Buffer module 40A | ABL8BUF24400 | 18780 |
| Protection module with two pole breaking | ABL8PRP24100 | 16420 |
| Redundancy Module | ABL8RED24400 | 12480 |
| Protection module with single pole breaking | ABL8PRE24100 | 11390 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

ABT7 - Economy Range (Single Winding)

| Input Voltage | Output Voltage | Rated Power in VA | Reference | Unit LP [₹] |
|---|----------------|-------------------|-------------|-------------|
| Single phase 230V 40VA - 400VA 40° C | | | | |
| 230 V AC single phase ±15 V | 24 V AC | 40 | ABT7ESM004B | 6470 |
| 230 V AC single phase ±15 V | 24 V AC | 63 | ABT7ESM006B | 4700 |
| 230 V AC single phase ±15 V | 24 V AC | 100 | ABT7ESM010B | 5200 |
| 230 V AC single phase ±15 V | 24 V AC | 160 | ABT7ESM016B | 6630 |
| 230 V AC single phase ±15 V | 24 V AC | 250 | ABT7ESM025B | 8560 |
| 230 V AC single phase ±15 V | 24 V AC | 320 | ABT7ESM032B | 10600 |
| 230 V AC single phase ±15 V | 24 V AC | 400 | ABT7ESM040B | 11000 |

ABL6 - Optimum Range (Single Winding)

| Input Voltage | Output Voltage | Rated Power in VA | Reference | Unit LP [₹] |
|--|----------------|-------------------|--|-------------|
| Single phase 230/400V 25VA - 2500VA 50° C | | | | |
| 230/400 V single phase ±15 V | 24 V AC | 25 | ABL6TS02B | 5950 |
| 230/400 V single phase ±15 V | 24 V AC | 40 | ABL6TS04B | 6050 |
| 230/400 V single phase ±15 V | 24 V AC | 63 | ABL6TS06B | 6100 |
| 230/400 V single phase ±15 V | 24 V AC | 100 | ABL6TS10B | 6900 |
| 230/400 V single phase ±15 V | 24 V AC | 160 | ABL6TS16B | 7850 |
| 230/400 V single phase ±15 V | 24 V AC | 250 | ABL6TS25B | 9700 |
| 230/400 V single phase ±15 V | 24 V AC | 400 | ABL6TS40B | 15650 |
| 230/400 V single phase ±15 V | 24 V AC | 630 | ABL6TS63B | 20100 |
| 230/400 V single phase ±15 V | 24 V AC | 1000 | ABL6TS100B | 26700 |
| 230/400 V single phase ±15 V | 24 V AC | 1600 | ABL6TS160B | 54500 |
| 230/400 V single phase ±15 V | 24 V AC | 2500 | ABL6TS250B | 89300 |
| 230/400 V single phase ±15 V | 115 V AC | 25 | ABL6TS02G | 5880 |
| 230/400 V single phase ±15 V | 115 V AC | 40 | ABL6TS04G | 6050 |
| 230/400 V single phase ±15 V | 115 V AC | 63 | ABL6TS06G | 6170 |
| 230/400 V single phase ±15 V | 115 V AC | 100 | ABL6TS10G | 6550 |
| 230/400 V single phase ±15 V | 115 V AC | 160 | ABL6TS16G | 8100 |
| 230/400 V single phase ±15 V | 115 V AC | 250 | ABL6TS25G | 9700 |
| 230/400 V single phase ±15 V | 115 V AC | 400 | ABL6TS40G | 15650 |
| 230/400 V single phase ±15 V | 115 V AC | 630 | ABL6TS63G | 21000 |
| 230/400 V single phase ±15 V | 115 V AC | 1000 | ABL6TS100G | 25500 |
| 230/400 V single phase ±15 V | 115 V AC | 1600 | ABL6TS160G | 40500 |
| 230/400 V single phase ±15 V | 115 V AC | 2500 | ABL6TS250G | 69400 |
| 230/400 V single phase ±15 V | 230 V AC | 25 | ABL6TS02U | 6050 |
| 230/400 V single phase ±15 V | 230 V AC | 40 | ABL6TS04U | 5960 |
| 230/400 V single phase ±15 V | 230 V AC | 63 | ABL6TS06U | 6165 |
| 230/400 V single phase ±15 V | 230 V AC | 100 | ABL6TS10U | 6500 |
| 230/400 V single phase ±15 V | 230 V AC | 160 | ABL6TS16U | 8100 |
| 230/400 V single phase ±15 V | 230 V AC | 250 | ABL6TS25U | 9700 |
| 230/400 V single phase ±15 V | 230 V AC | 400 | ABL6TS40U | 15150 |
| 230/400 V single phase ±15 V | 230 V AC | 630 | ABL6TS63U | 19300 |
| 230/400 V single phase ±15 V | 230 V AC | 1000 | ABL6TS100U <input checked="" type="checkbox"/> | 26800 |
| 230/400 V single phase ±15 V | 230 V AC | 1600 | ABL6TS160U | 38500 |
| 230/400 V single phase ±15 V | 230 V AC | 2500 | ABL6TS250U | 66900 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

ABT7 - Universal Range (Double Winding)

| Input Voltage | Output Voltage | Rated Power in VA | Reference | Unit LP [₹] |
|--|----------------|-------------------|-------------|-------------|
| Single phase 230/400V 25VA - 2500VA 60° C | | | | |
| 230/400 V single phase ±15 V | 24/48 V AC | 40 | ABT7PDU004B | 6650 |
| 230/400 V single phase ±15 V | 24/48 V AC | 63 | ABT7PDU006B | 7000 |
| 230/400 V single phase ±15 V | 24/48 V AC | 250 | ABT7PDU025B | 12500 |
| 230/400 V single phase ±15 V | 24/48 V AC | 400 | ABT7PDU040B | 14800 |
| 230/400 V single phase ±15 V | 24/48 V AC | 630 | ABT7PDU063B | 23000 |
| 230/400 V single phase ±15 V | 115/230 V AC | 25 | ABT7PDU002G | 6500 |
| 230/400 V single phase ±15 V | 115/230 V AC | 40 | ABT7PDU004G | 6700 |
| 230/400 V single phase ±15 V | 115/230 V AC | 63 | ABT7PDU006G | 7050 |
| 230/400 V single phase ±15 V | 115/230 V AC | 100 | ABT7PDU010G | 7800 |
| 230/400 V single phase ±15 V | 115/230 V AC | 160 | ABT7PDU016G | 9350 |
| 230/400 V single phase ±15 V | 115/230 V AC | 250 | ABT7PDU025G | 12050 |
| 230/400 V single phase ±15 V | 115/230 V AC | 400 | ABT7PDU040G | 14250 |
| 230/400 V single phase ±15 V | 115/230 V AC | 630 | ABT7PDU063G | 23000 |
| 230/400 V single phase ±15 V | 115/230 V AC | 1000 | ABT7PDU100G | 27700 |
| 230/400 V single phase ±15 V | 115/230 V AC | 1600 | ABT7PDU160G | 45300 |
| 230/400 V single phase ±15 V | 115/230 V AC | 2500 | ABT7PDU250G | 66100 |
| 230/400 V single phase ±15 V | 115/230 V AC | 25 | ABT7PDU002B | 8150 |
| 230/400 V single phase ±15 V | 115/230 V AC | 100 | ABT7PDU010B | 7800 |
| 230/400 V single phase ±15 V | 115/230 V AC | 160 | ABT7PDU016B | 10800 |
| 230/400 V single phase ±15 V | 115/230 V AC | 1000 | ABT7PDU100B | 30000 |
| 230/400 V single phase ±15 V | 115/230 V AC | 1600 | ABT7PDU160B | 49600 |
| 230/400 V single phase ±15 V | 115/230 V AC | 2500 | ABT7PDU250B | 73150 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

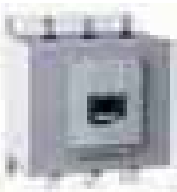
Soft Starters



ATS01 Soft Start - Soft Stop Unit

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

Note: Refer technical catalogue for correct selection as per duty cycle of your application or Contact Local sales /Customer Care Centre.



ATS48 Soft Start – Soft Stop unit

| Rated Current | Motor Power kW | Reference | Unit LP [₹] |
|--|--|---|-------------|
| 17 A for standard applications 12 A for severe applications | 7.5 kW 400 V for standard applications 5.5 kW 400 V for severe applications | ATS48D17Q | On Request |
| 22 A for standard applications 17 A for severe applications | 11 kW 400 V for standard applications 7.5 kW 400 V for severe applications | ATS48D22Q | On Request |
| 32 A for standard applications 22 A for severe applications | 15 kW 400 V for standard applications 11 kW 400 V for severe applications | ATS48D32Q <input checked="" type="checkbox"/> | On Request |
| 38 A for standard applications 32 A for severe applications | 18.5 kW 400 V for standard applications 15 kW 400 V for severe applications | ATS48D38Q | On Request |
| 47 A for standard applications 38 A for severe applications | 22 kW 400 V for standard applications 18.5 kW 400 V for severe applications | ATS48D47Q | On Request |
| 62 A for standard applications 47 A for severe applications | 30 kW 400 V for standard applications 22 kW 400 V for severe applications | ATS48D62Q | On Request |
| 75 A for standard applications 62 A for severe applications | 37 kW 400 V for standard applications 30 kW 400 V for severe applications | ATS48D75Q | On Request |
| 88 A for standard applications 75 A for severe applications | 45 kW 400 V for standard applications 37 kW 400 V for severe applications | ATS48D88Q <input checked="" type="checkbox"/> | On Request |
| 110 A for standard applications 88 A for severe applications | 55 kW 400 V for standard applications 45 kW 400 V for severe applications | ATS48C11Q <input checked="" type="checkbox"/> | On Request |
| 140 A for standard applications 110 A for severe applications | 75 kW 400 V for standard applications 55 kW 400 V for severe applications | ATS48C14Q <input checked="" type="checkbox"/> | On Request |
| 170 A for standard applications 140 A for severe applications | 90 kW 400 V for standard applications 75 kW 400 V for severe applications | ATS48C17Q <input checked="" type="checkbox"/> | On Request |
| 210 A for standard applications 170 A for severe applications | 110 kW 400 V for standard applications 90 kW 400 V for severe applications | ATS48C21Q <input checked="" type="checkbox"/> | On Request |
| 250 A for standard applications 210 A for severe applications | 132 kW 400 V for standard applications 110 kW 400 V for severe applications | ATS48C25Q <input checked="" type="checkbox"/> | On Request |
| 320 A for standard applications 250 A for severe applications | 160 kW 400 V for standard applications 132 kW 400 V for severe applications | ATS48C32Q <input checked="" type="checkbox"/> | On Request |
| 410 A for standard applications 320 A for severe applications | 220 kW 400 V for standard applications 160 kW 400 V for severe applications | ATS48C41Q <input checked="" type="checkbox"/> | On Request |
| 480 A for standard applications 410 A for severe applications | 250 kW 400 V for standard applications 220 kW 400 V for severe applications | ATS48C48Q <input checked="" type="checkbox"/> | On Request |
| 590 A for standard applications 480 A for severe applications | 315 kW 400 V for standard applications 250 kW 400 V for severe applications | ATS48C59Q | On Request |
| 660 A for standard applications 590 A for standard applications | 355 kW 400 V for standard applications 315 kW 400 V for severe applications | ATS48C66Q | On Request |
| 790 A for standard applications 660 A for standard applications | 400 kW 400 V for standard applications 355 kW 400 V for severe applications | ATS48C79Q <input checked="" type="checkbox"/> | On Request |
| 1000 A for standard applications 790 A for severe applications | 500 kW 400 V for standard applications 400 kW 400 V for severe applications | ATS48M10Q | On Request |
| 1200 A for standard applications 1000 A for severe applications | 630 kW 400 V for standard applications 500 kW 400 V for severe applications | ATS48M12Q | On Request |

Note: Refer technical catalogue for correct selection as per duty cycle of your application or Contact Local sales /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. March 12, 2018

ATS22 Soft Start - Soft Stop Unit

| Rated Current | Motor Power kW | Reference | Unit LP [₹] |
|--|---|---------------------------|-------------|
| 17 A for Motor Power Supply Line for Motor Delta Connection | 17 A 7.5 kW 400 V for Motor Power Supply Line V for Motor Delta Connection | 11 kW 400 V ATS22D17Q | On Request |
| 32 A for Motor Power Supply Line for Motor Delta Connection | 32 A 15 kW 400 V for Motor Power Supply Line for Motor Delta Connection | 22 kW 400 V ATS22D32Q | On Request |
| 47 A for Motor Power Supply Line for Motor Delta Connection | 47 A 22 kW 400 V for Motor Power Supply Line for Motor Delta Connection | 45 kW 400 V ATS22D47Q | On Request |
| 62 A for Motor Power Supply Line for Motor Delta Connection | 62 A 30 kW 400 V for Motor Power Supply Line for Motor Delta Connection | 55 kW 400 V ATS22D62Q | On Request |
| 75 A for Motor Power Supply Line for Motor Delta Connection | 75 A 37 kW 400 V for Motor Power Supply Line for Motor Delta Connection | 55 kW 400 V ATS22D75Q | On Request |
| 88 A for Motor Power Supply Line for Motor Delta Connection | 88 A 45 kW 400 V for Motor Power Supply Line for Motor Delta Connection | 75 kW 400 V ATS22D88Q | On Request |
| 110 A for Motor Power Supply Line for Motor Delta Connection | 110 A 55 kW 400 V for Motor Power Supply Line for Motor Delta Connection | 90 kW 400 V ATS22C11Q | On Request |
| 140 A for Motor Power Supply Line for Motor Delta Connection | 140 A 75 kW 400 V for Motor Power Supply Line V for Motor Delta Connection | 110 kW 400 V ATS22C14Q | On Request |
| 170 A for Motor Power Supply Line for Motor Delta Connection | 170 A 90 kW 400 V for Motor Power Supply Line V for Motor Delta Connection | 132 kW 400 V ATS22C17Q | On Request |
| 210 A for Motor Power Supply Line for Motor Delta Connection | 210 A 110 kW 400 V for Motor Power Supply Line 400 V for Motor Delta Connection | 160 kW ATS22C21Q | On Request |
| 250 A for Motor Power Supply Line for Motor Delta Connection | 250 A 132 kW 400 V for Motor Power Supply Line 400 V for Motor Delta Connection | 220 kW ATS22C25Q | On Request |
| 320 A for Motor Power Supply Line for Motor Delta Connection | 320 A 160 kW 400 V for Motor Power Supply Line 400 V for Motor Delta Connection | 250 kW ATS22C32Q | On Request |
| 410 A for Motor Power Supply Line for Motor Delta Connection | 410 A 220 kW 400 V for Motor Power Supply Line 400 V for Motor Delta Connection | 315 kW ATS22C41Q | On Request |
| 480 A for Motor Power Supply Line for Motor Delta Connection | 480 A 250 kW 400 V for Motor Power Supply Line 400 V for Motor Delta Connection | 355 kW ATS22C48Q | On Request |
| 590 A for Motor Power Supply Line for Motor Delta Connection | 590 A 315 kW 400 V for Motor Power Supply Line 400 V for Motor Delta Connection | 400 kW ATS22C59Q | On Request |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Variable Speed Drives



ATV12 Drive: Single Phase 230 Volts Input & 3 Phase 230 Volts Output Drive

| KW Rating | HP Rating | Rated output Current @40°C | Reference | Unit LP [₹] |
|-----------|-----------|----------------------------|-------------|-------------|
| 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 |



ATV310 Drive: Three Phase 440 Volts Input & 3 Phase 440 Volts Output Drive

| KW Rating | HP Rating | Rated output Current @55°C | Reference | Unit LP [₹] |
|-----------|-----------|----------------------------|---------------|-------------|
| 0.37 | 0.55 | 1.5 | ATV310H037N4E | On Request |
| 0.75 | 1 | 2.3 | ATV310H075N4E | On Request |
| 1.5 | 2 | 4.1 | ATV310HU15N4E | On Request |
| 2.2 | 3 | 5.5 | ATV310HU22N4E | On Request |
| 3 | 4 | 7.1 | ATV310HU30N4E | On Request |
| 4 | 5 | 9.5 | ATV310HU40N4E | On Request |
| 5.5 | 7.5 | 12.6 | ATV310HU55N4E | On Request |
| 7.5 | 10 | 17 | ATV310HU75N4E | On Request |
| 11 | 15 | 24 | ATV310HD11N4E | On Request |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

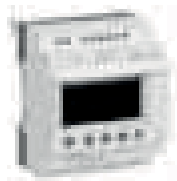
W.E.F. March 12, 2018



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 LP [₹] |
|--|---|-------------|
| Voltage 24V DC | | |
| Zelio Logic module - 10 I O, RLY - w/o clock - with display | SR2A101BD <input checked="" type="checkbox"/> | 11150 |
| Zelio Logic module - 20 I O, RLY - w/o clock - with display | SR2A201BD <input checked="" type="checkbox"/> | 18300 |
| Zelio Logic module - 12 I O, TRN - with clock - with display | SR2B121BD <input checked="" type="checkbox"/> | 10200 |
| Zelio Logic module - 12 I O, TRN - with clock - with display | SR2B122BD | 15300 |
| Zelio Logic module - 20 I O, RLY - with clock - with display | SR2B201BD <input checked="" type="checkbox"/> | 20250 |
| Zelio Logic module - 20 I O, RLY - with clock - with display | SR2B202BD | 21100 |
| Zelio Logic module - 10 I O, RLY - w/o clock - w/o display | SR2D101BD <input checked="" type="checkbox"/> | 6800 |
| Zelio Logic module - 20 I O, RLY - w/o clock - w/o display | SR2D201BD <input checked="" type="checkbox"/> | 16350 |
| Zelio Logic module - 12 I O, RLY - with clock - w/o display | SR2E121BD | 10500 |
| Zelio Logic module - 20 I O, RLY - with clock - w/o display | SR2E201BD | 19600 |
| Zelio Logic module - 10 I O, RLY - with clock - with display | SR3B101BD | 12300 |
| Zelio Logic module - 10 I O, TRN - with clock - with display | SR3B102BD | 11350 |
| Zelio Logic module - 26 I O, RLY - with clock - with display | SR3B261BD <input checked="" type="checkbox"/> | 25900 |
| Zelio Logic module - 26 I O, TRN - with clock - with display | SR3B262BD | 25600 |
| Voltage 100-240V AC | | |
| Zelio Logic module - 10 I O, RLY - w/o clock - with display | SR2A101FU <input checked="" type="checkbox"/> | 12650 |
| Zelio Logic module - 20 I O, RLY - w/o clock - with display | SR2A201FU <input checked="" type="checkbox"/> | 18750 |
| Zelio Logic module - 12 I O, RLY - with clock - with display | SR2B121FU <input checked="" type="checkbox"/> | 12550 |
| Zelio Logic module - 20 I O, RLY - with clock - with display | SR2B201FU <input checked="" type="checkbox"/> | 21000 |
| Zelio Logic module - 10 I O, RLY - w/o clock - w/o display | SR2D101FU | 9000 |
| Zelio Logic module - 20 I O, RLY - w/o clock - w/o display | SR2D201FU | 19100 |
| Zelio Logic module - 12 I O, RLY - with clock - w/o display | SR2E121FU | 11500 |
| Zelio Logic module - 20 I O, RLY - with clock - w/o display | SR2E201FU | 21650 |
| Zelio Logic module - 10 I O, RLY - with clock - with display | SR3B101FU | 13850 |
| Zelio Logic module - 26 I O, RLY - with clock - with display | SR3B261FU <input checked="" type="checkbox"/> | 26500 |
| Voltage 12V DC | | |
| Zelio Logic module - 12 I O - with clock - with display | SR2B121JD | 13100 |
| Zelio Logic module - 20 I O - with clock - with display | SR2B201JD | 16650 |
| Voltage 24V AC | | |
| Zelio Logic module - 12 I O - with clock - with display | SR2B121B | 13100 |
| Zelio Logic module - 20 I O - with clock - with display | SR2B201B | 25050 |
| Zelio Logic module - 20 I O - with clock - w/o display | SR2E201B | 19900 |
| Zelio Logic module - 10 I O - with clock - with display | SR3B101B | 13900 |
| Zelio Logic module - 24 I O - with clock - with display | SR3B261B | 27900 |

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



I/O Extension module

I/O Extension modules

| Description | Reference | Unit LP [₹] |
|---|--|-------------|
| discrete I/O extension module - 6 I O 4DI, 2DO - 24 V DC | SR3XT61BD | 5360 |
| discrete I/O extension module - 6 I O 4DI, 2DO | SR3XT61FU | 5550 |
| discrete I/O extension module - 10 I O 6DI, 4DO - 24 V DC | SR3XT101BD <input checked="" type="checkbox"/> | 5550 |
| discrete I/O extension module - 10 I O 6DI, 4DO | SR3XT101FU | 6960 |
| discrete I/O extension module - 14 I O 8DI, 6DO - 24 V AC | SR3XT141B | 9500 |
| discrete I/O extension module - 14 I O 8DI, 6DO - 24 V DC | SR3XT141BD <input checked="" type="checkbox"/> | 7650 |
| discrete I/O extension module - 14 I O 8DI, 6DO | SR3XT141FU | 8150 |
| Analogue I/O extension module - 2 AI/ 2AO | SR3XT43BD | 12650 |

Accessories

| Description | Reference | Unit LP [₹] |
|---|--|-------------|
| SUB-D 9-pin PC connecting cable - 3 m | SR2CBL01 <input checked="" type="checkbox"/> | 3500 |
| SUB-D 9-pin modem connecting cable - 0.5 m | SR2CBL07 <input checked="" type="checkbox"/> | 8050 |
| communication interface | SR2COM01 | 11600 |
| documentation - programming on the smart relay - EN | SR2MAN01EN | 1900 |
| memory cartridge firmware - up to v 2.4 - EEPROM | SR2MEM01 <input checked="" type="checkbox"/> | 1550 |
| memory cartridge firmware - for v 3.0 - EEPROM | SR2MEM02 <input checked="" type="checkbox"/> | 1850 |
| modem interface - analog PSTN | SR2MOD01 | 50200 |
| modem interface - GSM | SR2MOD02 | 42600 |
| programming software "Zelio Soft 2" multilingual - CD-ROM | SR2SFT01 | 1900 |
| USB PC connecting cable - 3 m | SR2USB01 <input checked="" type="checkbox"/> | 9900 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



- 10 A relays with 1 C/O contact and 5 A relays with 2 C/O contacts.
- Sockets with separate contact terminals, screw connector connection and built-in plastic maintaining clamp, 35mm DIN rail mounting and Panel mounting.
- Optional modules for additional protection

RXG Interface Relays

NEW

| Product description | Reference | Unit LP [₹] |
|-------------------------------|-----------|-------------|
| 1CO 10A Relay +LTB-LED 24VAC | RXG11B7 | 505 |
| 1CO 10A Relay +LTB-LED 48VAC | RXG11E7 | 515 |
| 1CO 10A Relay +LTB-LED 120VAC | RXG11F7 | 515 |
| 1CO 10A Relay +LTB-LED 220VAC | RXG11M7 | 515 |
| 1CO 10A Relay +LTB-LED 230VAC | RXG11P7 | 505 |
| 1CO 10A Relay +LTB-LED 6VDC | RXG11RD | 415 |
| 1CO 10A Relay +LTB-LED 12VDC | RXG11JD | 415 |
| 1CO 10A Relay +LTB-LED 24VDC | RXG11BD | 406 |
| 1CO 10A Relay +LTB-LED 48VDC | RXG11ED | 415 |
| 1CO 10A Relay +LTB-LED 60VDC | RXG11ND | 415 |
| 1CO 10A Relay +LTB-LED 110VDC | RXG11FD | 415 |
| 1CO 10A Relay +LTB+LED 24VAC | RXG12B7 | 559 |
| 1CO 10A Relay +LTB+LED 48VAC | RXG12E7 | 559 |
| 1CO 10A Relay +LTB+LED 120VAC | RXG12F7 | 559 |
| 1CO 10A Relay +LTB+LED 220VAC | RXG12M7 | 559 |
| 1CO 10A Relay +LTB+LED 230VAC | RXG12P7 | 559 |
| 1CO 10A Relay +LTB+LED 6VDC | RXG12RD | 457 |
| 1CO 10A Relay +LTB+LED 12VDC | RXG12JD | 457 |
| 1CO 10A Relay +LTB+LED 24VDC | RXG12BD | 457 |
| 1CO 10A Relay +LTB+LED 48VDC | RXG12ED | 457 |
| 1CO 10A Relay +LTB+LED 60VDC | RXG12ND | 457 |
| 1CO 10A Relay +LTB+LED 110VDC | RXG12FD | 457 |
| 1CO 10A Relay-LTB+LED 24VAC | RXG13B7 | 537 |
| 1CO 10A Relay-LTB+LED 48VAC | RXG13E7 | 537 |
| 1CO 10A Relay-LTB+LED 120VAC | RXG13F7 | 537 |
| 1CO 10A Relay-LTB+LED 220VAC | RXG13M7 | 537 |
| 1CO 10A Relay-LTB+LED 230VAC | RXG13P7 | 537 |
| 1CO 10A Relay-LTB+LED 6VDC | RXG13RD | 434 |
| 1CO 10A Relay-LTB+LED 12VDC | RXG13JD | 434 |
| 1CO 10A Relay-LTB+LED 24VDC | RXG13BD | 434 |
| 1CO 10A Relay-LTB+LED 48VDC | RXG13ED | 434 |
| 1CO 10A Relay-LTB+LED 60VDC | RXG13ND | 434 |
| 1CO 10A Relay-LTB+LED 110VDC | RXG13FD | 434 |
| 1CO 10A Relay Clear 24VAC | RXG15B7 | 466 |
| 1CO 10A Relay Clear 48VAC | RXG15E7 | 466 |
| 1CO 10A Relay Clear 120VAC | RXG15F7 | 466 |
| 1CO 10A Relay Clear 220VAC | RXG15M7 | 466 |
| 1CO 10A Relay Clear 230VAC | RXG15P7 | 466 |
| 1CO 10A Relay Clear 6VDC | RXG15RD | 363 |
| 1CO 10A Relay Clear 12VDC | RXG15JD | 363 |
| 1CO 10A Relay Clear 24VDC | RXG15BD | 363 |
| 1CO 10A Relay Clear 48VDC | RXG15ED | 363 |
| 1CO 10A Relay Clear 60VDC | RXG15ND | 363 |
| 1CO 10A Relay Clear 110VDC | RXG15FD | 363 |
| 2CO 5A Relay +LTB-LED 24VAC | RXG21B7 | 554 |
| 2CO 5A Relay +LTB-LED 48VAC | RXG21E7 | 565 |
| 2CO 5A Relay +LTB-LED 120VAC | RXG21F7 | 565 |
| 2CO 5A Relay +LTB-LED 220VAC | RXG21M7 | 565 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



- 10 A relays with 1 C/O contact and 5 A relays with 2 C/O contacts.
- Sockets with separate contact terminals, screw connector connection and built-in plastic maintaining clamp, 35mm DIN rail mounting and Panel mounting.
- Optional modules for additional protection

RXG Interface Relays

NEW

| Product description | Reference | Unit LP [₹] |
|--|-----------|-------------|
| 2CO 5A Relay +LTB-LED 230VAC | RXG21P7 | 554 |
| 2CO 5A Relay +LTB-LED 6VDC | RXG21RD | 465 |
| 2CO 5A Relay +LTB-LED 12VDC | RXG21JD | 465 |
| 2CO 5A Relay +LTB-LED 24VDC | RXG21BD | 456 |
| 2CO 5A Relay +LTB-LED 48VDC | RXG21ED | 465 |
| 2CO 5A Relay +LTB-LED 60VDC | RXG21ND | 465 |
| 2CO 5A Relay +LTB-LED 110VDC | RXG21FD | 465 |
| 2CO 5A Relay +LTB+LED 24VAC | RXG22B7 | 610 |
| 2CO 5A Relay +LTB+LED 48VAC | RXG22E7 | 610 |
| 2CO 5A Relay +LTB+LED 120VAC | RXG22F7 | 610 |
| 2CO 5A Relay +LTB+LED 220VAC | RXG22M7 | 610 |
| 2CO 5A Relay +LTB+LED 230VAC | RXG22P7 | 610 |
| 2CO 5A Relay +LTB+LED 6VDC | RXG22RD | 508 |
| 2CO 5A Relay +LTB+LED 12VDC | RXG22JD | 508 |
| 2CO 5A Relay +LTB+LED 24VDC | RXG22BD | 508 |
| 2CO 5A Relay +LTB+LED 48VDC | RXG22ED | 508 |
| 2CO 5A Relay +LTB+LED 60VDC | RXG22ND | 508 |
| 2CO 5A Relay +LTB+LED 110VDC | RXG22FD | 508 |
| 2CO 5A Relay-LTB+LED 24VAC | RXG23B7 | 587 |
| 2CO 5A Relay-LTB+LED 48VAC | RXG23E7 | 587 |
| 2CO 5A Relay-LTB+LED 120VAC | RXG23F7 | 587 |
| 2CO 5A Relay-LTB+LED 220VAC | RXG23M7 | 587 |
| 2CO 5A Relay-LTB+LED 230VAC | RXG23P7 | 587 |
| 2CO 5A Relay-LTB+LED 6VDC | RXG23RD | 485 |
| 2CO 5A Relay-LTB+LED 12VDC | RXG23JD | 485 |
| 2CO 5A Relay-LTB+LED 24VDC | RXG23BD | 485 |
| 2CO 5A Relay-LTB+LED 48VDC | RXG23ED | 485 |
| 2CO 5A Relay-LTB+LED 60VDC | RXG23ND | 485 |
| 2CO 5A Relay-LTB+LED 110VDC | RXG23FD | 485 |
| 2CO 5A Relay Clear 24VAC | RXG25B7 | 515 |
| 2CO 5A Relay Clear 48VAC | RXG25E7 | 515 |
| 2CO 5A Relay Clear 120VAC | RXG25F7 | 515 |
| 2CO 5A Relay Clear 220VAC | RXG25M7 | 515 |
| 2CO 5A Relay Clear 230VAC | RXG25P7 | 515 |
| 2CO 5A Relay Clear 6VDC | RXG25RD | 412 |
| 2CO 5A Relay Clear 12VDC | RXG25JD | 412 |
| 2CO 5A Relay Clear 24VDC | RXG25BD | 412 |
| 2CO 5A Relay Clear 48VDC | RXG25ED | 412 |
| 2CO 5A Relay Clear 60VDC | RXG25ND | 412 |
| 2CO 5A Relay Clear 110VDC | RXG25FD | 412 |
| Accessories | | |
| 1CO Separate terminal socket with clamp | RGZE1S35M | 244 |
| 2CO Separate terminal socket with clamp | RGZE1S48M | 271 |
| Plastic maintaining clamp for RGZ socket | RGZR215 | 25 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

RXM Miniature Relays

| Control Circuit Voltage | Reference | Unit LP [₹] |
|---|---|-------------|
| Without Lockable Test Button without LED | | |
| 2 C/O - 5 AMPS | | |
| 12 V DC | RXM2LB1JD | 343 |
| 24 V DC | RXM2LB1BD | 320 |
| 48 V DC | RXM2LB1ED | 362 |
| 24 V AC | RXM2LB1B7 | 333 |
| 120 V AC | RXM2LB1F7 | 333 |
| 230 V AC | RXM2LB1P7 | 326 |
| 4 C/O - 3 AMPS | | |
| 12 V DC | RXM4LB1JD | 404 |
| 24 V DC | RXM4LB1BD | 369 |
| 48 V DC | RXM4LB1ED | 416 |
| 24 V AC | RXM4LB1B7 | 404 |
| 120 V AC | RXM4LB1F7 | 416 |
| 230 V AC | RXM4LB1P7 | 369 |
| Without Lockable Test Button with LED | | |
| 2 C/O - 5 AMPS | | |
| 12 V DC | RXM2LB2JD | 369 |
| 24 V DC | RXM2LB2BD <input checked="" type="checkbox"/> | 343 |
| 48 V DC | RXM2LB2ED | 369 |
| 24 V AC | RXM2LB2B7 | 369 |
| 120 V AC | RXM2LB2F7 | 369 |
| 230 V AC | RXM2LB2P7 <input checked="" type="checkbox"/> | 343 |
| 36 V DC | RXM2LB2CD | 381 |
| 110 V DC | RXM2LB2FD | 369 |
| 4 C/O - 3 AMPS | | |
| 12 V DC | RXM4LB2JD | 416 |
| 24 V DC | RXM4LB2BD <input checked="" type="checkbox"/> | 388 |
| 48 V DC | RXM4LB2ED | 416 |
| 24 V AC | RXM4LB2B7 | 416 |
| 120 V AC | RXM4LB2F7 | 416 |
| 230 V AC | RXM4LB2P7 <input checked="" type="checkbox"/> | 388 |
| 36 V DC | RXM4LB2CD | 428 |
| 110 V DC | RXM4LB2FD | 416 |

Accessories

| Description | Reference | Unit LP [₹] |
|---|--|-------------|
| Sockets | | |
| Sockets - mixed-screw clamp - relay type RXM2 (without lockable test button) | RXZE1M2C <input checked="" type="checkbox"/> | 157 |
| Sockets - mixed-screw clamp - relay type RXM2/RXM4 (without lockable test button) | RXZE1M4C <input checked="" type="checkbox"/> | 200 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

RXM*NB Miniature Relays

| Control Circuit Voltage | Reference | Unit LP [₹] |
|--|-----------|-------------|
| Miniature Relays without Lockable Test-Button, with LED | | |
| 2 Change Over - 10 AMPS Contact Rating | | |
| 12 V DC | RXM2NB3JD | 398 |
| 24 V DC | RXM2NB3BD | 360 |
| 110 V DC | RXM2NB3FD | 360 |
| 220 V DC | RXM2NB3MD | 473 |
| 24 V AC | RXM2NB3B7 | 398 |
| 120 V AC | RXM2NB3F7 | 398 |
| 230 V AC | RXM2NB3P7 | 360 |
| 4 Change Over - 5 AMPS Contact Rating | | |
| 12 V DC | RXM4NB3JD | 446 |
| 24 V DC | RXM4NB3BD | 417 |
| 110 V DC | RXM4NB3FD | 446 |
| 220 V DC | RXM4NB3MD | 521 |
| 24 V AC | RXM4NB3B7 | 446 |
| 120 V AC | RXM4NB3F7 | 446 |
| 230 V AC | RXM4NB3P7 | 417 |

RXZ Miniature Relay Socket

| Description | Reference | Unit LP [₹] |
|--|-----------|-------------|
| Accessories | | |
| Sockets | | |
| socket for miniature relay - for RXM2N - with mixed contacts - screw clamp | RXZE2M2N | 166 |
| socket for miniature relay - for RXM4N - with mixed contacts - screw clamp | RXZE2M4N | 189 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

RXM Miniature Relays

| Control Circuit Voltage | Reference | Unit LP [₹] |
|---|---|-------------|
| Without LED | | |
| 2 Change Over - 12 AMPS Contact Rating | | |
| 12 V DC | RXM2AB1JD | 469 |
| 24 V AC | RXM2AB1B7 | 469 |
| 24 V DC | RXM2AB1BD <input checked="" type="checkbox"/> | 452 |
| 48 V AC | RXM2AB1E7 | 469 |
| 48 V DC | RXM2AB1ED | 469 |
| 110 V DC | RXM2AB1FD | 483 |
| 120 V AC | RXM2AB1F7 <input checked="" type="checkbox"/> | 469 |
| 230 V AC | RXM2AB1P7 <input checked="" type="checkbox"/> | 452 |
| 3 Change Over - 10 AMPS Contact Rating | | |
| 12 V DC | RXM3AB1JD | 640 |
| 24 V AC | RXM3AB1B7 | 712 |
| 24 V DC | RXM3AB1BD | 639 |
| 48 V AC | RXM3AB1E7 | 803 |
| 48 V DC | RXM3AB1ED | 812 |
| 110 V DC | RXM3AB1FD | 812 |
| 120 V AC | RXM3AB1F7 | 658 |
| 230 V AC | RXM3AB1P7 | 658 |
| 4 Change Over - 6 AMPS Contact Rating | | |
| 12 V DC | RXM4AB1JD | 574 |
| 24 V AC | RXM4AB1B7 | 574 |
| 24 V DC | RXM4AB1BD <input checked="" type="checkbox"/> | 574 |
| 48 V AC | RXM4AB1E7 | 590 |
| 48 V DC | RXM4AB1ED | 638 |
| 110 V DC | RXM4AB1FD | 638 |
| 120 V AC | RXM4AB1F7 <input checked="" type="checkbox"/> | 574 |
| 220 V DC | RXM4AB1MD | 638 |
| 230 V AC | RXM4AB1P7 <input checked="" type="checkbox"/> | 574 |
| 240 V AC | RXM4AB1U7 | 574 |
| With LED | | |
| 2 Change Over - 12 AMPS Contact Rating | | |
| 12 V DC | RXM2AB2JD | 490 |
| 24 V AC | RXM2AB2B7 | 487 |
| 24 V DC | RXM2AB2BD <input checked="" type="checkbox"/> | 469 |
| 48 V AC | RXM2AB2E7 | 490 |
| 48 V DC | RXM2AB2ED | 490 |
| 110 V DC | RXM2AB2FD | 490 |
| 120 V AC | RXM2AB2F7 <input checked="" type="checkbox"/> | 490 |
| 230 V AC | RXM2AB2P7 <input checked="" type="checkbox"/> | 469 |
| 3 Change Over - 10 AMPS Contact Rating | | |
| 12 V DC | RXM3AB2JD | 630 |
| 24 V AC | RXM3AB2B7 | 654 |
| 24 V DC | RXM3AB2BD | 612 |
| 48 V AC | RXM3AB2E7 | 770 |
| 48 V DC | RXM3AB2ED | 753 |
| 110 V DC | RXM3AB2FD | 640 |
| 120 V AC | RXM3AB2F7 | 628 |
| 230 V AC | RXM3AB2P7 | 628 |
| 4 Change Over - 6 AMPS Contact Rating | | |
| 12 V DC | RXM4AB2JD | 668 |
| 24 V AC | RXM4AB2B7 | 668 |
| 24 V DC | RXM4AB2BD <input checked="" type="checkbox"/> | 635 |
| 48 V AC | RXM4AB2E7 | 668 |
| 48 V DC | RXM4AB2ED | 668 |
| 110 V DC | RXM4AB2FD | 668 |
| 120 V AC | RXM4AB2F7 <input checked="" type="checkbox"/> | 668 |
| 125 V DC | RXM4AB2GD | 668 |
| 230 V AC | RXM4AB2P7 <input checked="" type="checkbox"/> | 635 |

RXM Miniature Relays

| Control Circuit Voltage | Reference | Unit LP [₹] |
|--|-----------|-------------|
| With Low Level Contact | | |
| 4 Change Over - 3 AMPS Contact Rating | | |
| 12 V DC | RXM4GB1JD | 676 |
| | RXM4GB2JD | 718 |
| 24 V AC | RXM4GB1B7 | 676 |
| | RXM4GB2B7 | 718 |
| 24 V DC | RXM4GB1BD | 676 |
| | RXM4GB2BD | 698 |
| 48 V AC | RXM4GB1E7 | 676 |
| | RXM4GB2E7 | 718 |
| 48 V DC | RXM4GB1ED | 676 |
| | RXM4GB2ED | 718 |
| 110 V DC | RXM4GB1FD | 676 |
| | RXM4GB2FD | 718 |
| 120 V AC | RXM4GB1F7 | 676 |
| | RXM4GB2F7 | 718 |
| 230 V AC | RXM4GB2P7 | 718 |
| | RXM4GB1P7 | 656 |
| 240 V AC | RXM4GB2U7 | 698 |

RXZ Miniature Relays

| Description | Reference | Unit LP [₹] |
|---|--|-------------|
| Accessories | | |
| Sockets | | |
| Socket for miniature relay - Zelio RXZ - with mixed contacts - connectors | RXZE2M114M <input checked="" type="checkbox"/> | 218 |
| Socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp | RXZE2M114 <input checked="" type="checkbox"/> | 242 |
| Socket for miniature relay - Zelio RXZ - with separate contacts - connectors | RXZE2S111M <input checked="" type="checkbox"/> | 278 |
| | RXZE2S114M | 298 |
| Protection Modules | | |
| Diode | | |
| Protection module - diode - 6..250V DC - for miniature relay socket RXZ | RXM040W | 111 |
| RC Circuit | | |
| Protection module - RC circuit - 110..240 AC - for miniature relay socket RXZ | RXM041FU7 | 122 |
| Protection module - RC circuit - 24..60 AC - for miniature relay socket RXZ | RXM041BN7 | 122 |
| Varistor | | |
| Protection module -Varistor - 24..60V AC/DC - for miniature relay socket RXZ | RXM021BN | 144 |
| Protection module -Varistor - 6..24V AC/DC - for miniature relay socket RXZ | RXM021RB | 144 |
| Protection module -Varistor -110..240 AC/DC - for miniature relay socket RXZ | RXM021FP | 136 |
| Clips and Legends | | |
| Clip-in legends-for Sockets having separate contact | RXZL420 | 17 |
| Clip-in legends - for Zelio relay - set of 10 | RXZL520 | 212 |
| Metal maintaining clamp - for miniature relay socket RXZ | RXZ400 | 40 |
| Mounting adaptor for DIN rail - for miniature relay socket RXZ | RXZE2DA | 58 |
| Mounting adaptor with fixing lugs for panel - for miniature relay socket RXZ | RXZE2FA | 58 |
| Plastic maintaining clamp - for miniature relay socket RXZ | RXZR335 | 38 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

RPM Power Relays

| Control Circuit Voltage | Reference | Unit LP [₹] |
|---|-----------|-------------|
| Without LED | | |
| 1 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM11JD | 833 |
| 24 V AC | RPM11B7 | 833 |
| 24 V DC | RPM11BD | 827 |
| 48 V AC | RPM11E7 | 833 |
| 48 V DC | RPM11ED | 833 |
| 110 V DC | RPM11FD | 833 |
| 120 V AC | RPM11F7 | 1010 |
| 230 V AC | RPM11P7 | 920 |
| 2 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM21JD | 861 |
| 24 V AC | RPM21B7 | 861 |
| 24 V DC | RPM21BD | 837 |
| 48 V AC | RPM21E7 | 861 |
| 48 V DC | RPM21ED | 861 |
| 110 V DC | RPM21FD | 861 |
| 120 V AC | RPM21F7 | 1010 |
| 230 V AC | RPM21P7 | 861 |
| 3 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM31JD | 890 |
| 24 V AC | RPM31B7 | 932 |
| 24 V DC | RPM31BD | 890 |
| 48 V AC | RPM31E7 | 890 |
| 48 V DC | RPM31ED | 890 |
| 110 V DC | RPM31FD | 890 |
| 120 V AC | RPM31F7 | 1051 |
| 230 V AC | RPM31P7 | 958 |
| 4 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM41JD | 932 |
| 24 V AC | RPM41B7 | 932 |
| 24 V DC | RPM41BD | 930 |
| 48 V AC | RPM41E7 | 932 |
| 48 V DC | RPM41ED | 880 |
| 110 V DC | RPM41FD | 932 |
| 120 V AC | RPM41F7 | 1068 |
| 230 V AC | RPM41P7 | 932 |
| With LED | | |
| 1 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM12JD | 878 |
| 24 V AC | RPM12B7 | 878 |
| 24 V DC | RPM12BD | 590 |
| 48 V AC | RPM12E7 | 878 |
| 48 V DC | RPM12ED | 878 |
| 110 V DC | RPM12FD | 878 |
| 120 V AC | RPM12F7 | 1051 |
| 230 V AC | RPM12P7 | 958 |
| 2 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM22JD | 890 |
| 24 V AC | RPM22B7 | 890 |
| 24 V DC | RPM22BD | 781 |
| 48 V AC | RPM22E7 | 890 |
| 48 V DC | RPM22ED | 890 |
| 110 V DC | RPM22FD | 890 |
| 120 V AC | RPM22F7 | 1051 |
| 230 V AC | RPM22P7 | 873 |

RPM Power Relays

| Control Circuit Voltage | Reference | Unit LP [₹] |
|---|-----------|-------------|
| 3 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM32JD | 905 |
| 24 V AC | RPM32B7 | 905 |
| 24 V DC | RPM32BD | 995 |
| 48 V AC | RPM32E7 | 905 |
| 48 V DC | RPM32ED | 905 |
| 110 V DC | RPM32FD | 905 |
| 120 V AC | RPM32F7 | 1068 |
| 230 V AC | RPM32P7 | 995 |
| 4 Change Over - 15 AMPS Contact Rating | | |
| 12 V DC | RPM42JD | 965 |
| 24 V AC | RPM42B7 | 946 |
| 24 V DC | RPM42BD | 939 |
| 48 V AC | RPM42E7 | 936 |
| 48 V DC | RPM42ED | 965 |
| 110 V DC | RPM42FD | 937 |
| 120 V AC | RPM42F7 | 1043 |
| 230 V AC | RPM42P7 | 939 |

RPZ Power Relays

| Description | Reference | Unit LP [₹] |
|--|-----------|-------------|
| Accessories | | |
| Mixed Contact Socket | | |
| | RPZF2 | 381 |
| Socket for power relay - Zelio RPZ - with mixed contacts - screw clamp | RPZF1 | 379 |
| | RPZF4 | 650 |
| | RPZF3 | 673 |
| Clips And Legends | | |
| Metal maintaining clamp - for relay socket RPZF1 | RPZR235 | 102 |
| Mounting adaptor for DIN rail - for power relay socket RPZ | RPZ1DA | 102 |
| | RPZ3DA | 102 |
| | RPZ4DA | 139 |
| Mounting adaptor with fixing lugs for panel - for power relay socket RPZ | RPZ1FA | 102 |
| | RPZ3FA | 102 |
| | RPZ4FA | 139 |

RPF Power Relays

| Control Circuit Voltage | Reference | Unit LP [₹] |
|---|-----------|-------------|
| N/O - 30 AMPS Contact Rating | | |
| 24 V DC | RPF2ABD | 1521 |
| 120 V AC | RPF2AF7 | 1565 |
| 230 V AC | RPF2AP7 | 1490 |
| Change Over - 30 AMPS Contact Rating | | |
| 12 V DC | RPF2BJD | 1276 |
| 24 V AC | RPF2BB7 | 1313 |
| 24 V DC | RPF2BBD | 1507 |
| 110 V DC | RPF2BFD | 1313 |
| 120 V AC | RPF2BF7 | 1683 |
| 230 V AC | RPF2BP7 | 1551 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



RE17 Electronic Timers

NEW

| Description | Reference | Unit LP [₹] |
|---|-----------|-------------|
| On Delay Timer 24 240 Vac | RE17LAMW | 1922 |
| Off Delay Timer 24 240VAC | RE17LCBM | 2291 |
| Timer Function H Solid State Output 24 240VAC | RE17LHBM | 2931 |
| Flashing Timer | RE17LLBM | 2408 |
| Multi Functionion Timer | RE17LMBM | 2316 |
| Timer Function A at 1C O 24VAC DC 240VAC | RE17RAMU | 1837 |
| Timer Function B 1C O 24VAC DC 240VAC | RE17RBMU | 2732 |
| Timer Function C 1C O 24VAC DC 240VAC | RE17RCMU | 1922 |
| Timer Function H Ht 1C O 24VAC DC 240VAC | RE17RHMU | 1978 |
| Flashing Timer | RE17RLJU | 2570 |
| Timer Function L Li 1C O 24VAC DC 240VAC | RE17RLMU | 2570 |
| MultiFunction Timer 1C O 24VAC DC 240VAC | RE17RMEMU | 2289 |
| 10 X MultiFunction Timer 1C O 12VAC DC | RE17RMJU | 2432 |
| MultiFunction Timer 1C O 24VAC DC 240VAC | RE17RMMU | 2363 |
| MultiFunction Timer 1C O 12 240VAC DC | RE17RMMW | 2632 |
| MultiFunction Timer 1C O 12 240VAC DC | RE17RMMWS | 2835 |
| MultiFunction Timer 1C O 24VAC DC 240VAC | RE17RMXU | 2973 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Biometric Switch

| Description | Reference | Unit LP [₹] |
|--|------------|-------------|
| Bistable biometric switch, 24 V DC - PNP - by 2m cable | XB5S1B2L2 | 28717 |
| Bistable biometric switch, 24 V DC - PNP - by M12 connector | XB5S1B2M12 | 30297 |
| Monostable biometric switch, 24 V DC - PNP - by 2m cable | XB5S2B2L2 | 29092 |
| Monostable biometric switch, 24 V DC - PNP - by M12 connector | XB5S2B2M12 | 30204 |

Accessories

| Description | Reference | Unit LP [₹] |
|--|-----------|-------------|
| Protective cover, translucent & self adhesive | ZB5SZ70 | 715 |
| Diameter 22 mm nut | ZB5SZ71 | 292 |
| Legend plate 28X7 mm | ZBY0101T | 135 |

Pushbuttons

| Description | Type of Contact | Colour | Reference | Unit LP [₹] |
|----------------------|-----------------|--------|--|-------------|
| Spring return | | | | |
| | NO | White | XB5AA11N <input checked="" type="checkbox"/> | 133 |
| | NO | Black | XB5AA21N <input checked="" type="checkbox"/> | 133 |
| | NO | Green | XB5AA31N <input checked="" type="checkbox"/> | 133 |
| | NO | Yellow | XB5AA51N <input checked="" type="checkbox"/> | 133 |
| | NO | Blue | XB5AA61N <input checked="" type="checkbox"/> | 133 |
| | NC | Red | XB5AA42N <input checked="" type="checkbox"/> | 133 |
| | NO | Red | XB5AA41N <input checked="" type="checkbox"/> | 133 |
| | NO | Blank | XB5AA01N* <input checked="" type="checkbox"/> | 133 |
| | NO | White | XB5AL11N | 167 |
| | NO | Black | XB5AL21N | 162 |
| | NO | Green | XB5AL31N <input checked="" type="checkbox"/> | 162 |
| | NO | Yellow | XB5AL51N | 162 |
| | NO | Blue | XB5AL61N | 162 |
| | NC | Red | XB5AL42N <input checked="" type="checkbox"/> | 162 |
| | NO | Red | XB5AL41N | 162 |
| | NO | Black | XB5AP21N <input checked="" type="checkbox"/> | 190 |
| | NO | Green | XB5AP31N <input checked="" type="checkbox"/> | 190 |
| | NO | Yellow | XB5AP51N <input checked="" type="checkbox"/> | 190 |
| | NO | Blue | XB5AP61N | 195 |
| | NC | Red | XB5AP42N <input checked="" type="checkbox"/> | 190 |
| | NO | Green | XB5AA3311N | 189 |
| | NC | Red | XB5AA4322N | 189 |
| | NO | Green | XB5AA3331N <input checked="" type="checkbox"/> | 189 |
| | NC | Red | XB5AA4342N <input checked="" type="checkbox"/> | 189 |
| | NO | Green | XB5AA3411N | 194 |
| | NC | Red | XB5AA4352N | 194 |
| | NC | Red | XB5AL4342N | 197 |
| | NC | Red | XB5AL4352N | 197 |
| | NO+NC | Green | XB5AL845N <input checked="" type="checkbox"/> | 936 |

Pilot lights

| Description | Supply Voltage | Colour | Reference | Unit LP [₹] |
|---|----------------|--|---|-------------|
| With smooth lens (except clear colour) | | | | |
| | ~ 24V | White | XB7EV01BPN <input checked="" type="checkbox"/> | 213 |
| | | Green | XB7EV03BPN <input checked="" type="checkbox"/> | 197 |
| | | Red | XB7EV04BPN <input checked="" type="checkbox"/> | 197 |
| | | Yellow | XB7EV05BPN <input checked="" type="checkbox"/> | 197 |
| | | Amber | XB7EV08BPN <input checked="" type="checkbox"/> | 197 |
| | | Blue | XB7EV06BPN <input checked="" type="checkbox"/> | 407 |
| | | Clear | XB7EV07BPN* <input checked="" type="checkbox"/> | 197 |
| | | White | XB7EV01GPN <input checked="" type="checkbox"/> | 213 |
| | | Green | XB7EV03GPN <input checked="" type="checkbox"/> | 197 |
| | | Red | XB7EV04GPN <input checked="" type="checkbox"/> | 197 |
| Direct Integral LED | ~ 120V | Yellow | XB7EV05GPN <input checked="" type="checkbox"/> | 197 |
| | | Amber | XB7EV08GPN <input checked="" type="checkbox"/> | 197 |
| | | Blue | XB7EV06GPN <input checked="" type="checkbox"/> | 407 |
| | | Clear | XB7EV07GPN* | 197 |
| | | White | XB7EV01MPN <input checked="" type="checkbox"/> | 213 |
| | Green | XB7EV03MPN <input checked="" type="checkbox"/> | 197 | |
| | Red | XB7EV04MPN <input checked="" type="checkbox"/> | 197 | |
| | Yellow | XB7EV05MPN <input checked="" type="checkbox"/> | 197 | |
| | Amber | XB7EV08MPN <input checked="" type="checkbox"/> | 197 | |
| | Blue | XB7EV06MPN <input checked="" type="checkbox"/> | 407 | |
| Clear | XB7EV07MPN* | 197 | | |

* Clear type pilot lights are provided with striated lens.



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Illuminated Pushbutton

| Description | Type of Contact | Colour | Reference | Unit LP [₹] |
|---|-----------------|--------|--|-------------|
| With smooth lens (except clear colour) | | | | |
| Flush Integral LED ~ 24V | NO | White | XB5AW31B1N <input checked="" type="checkbox"/> | 388 |
| | NO | Green | XB5AW33B1N <input checked="" type="checkbox"/> | 388 |
| | NC | Red | XB5AW34B2N <input checked="" type="checkbox"/> | 388 |
| | NO | Yellow | XB5AW35B1N <input checked="" type="checkbox"/> | 388 |
| | NO | Amber | XB5AW38B1N <input checked="" type="checkbox"/> | 433 |
| | NO | Blue | XB5AW36B1N <input checked="" type="checkbox"/> | 751 |
| | NO | Clear | XB5AW37B1N* | 751 |
| Projecting Integral LED ~ 24V | NO | White | XB5AW11B1N | 381 |
| | NO | Green | XB5AW13B1N <input checked="" type="checkbox"/> | 388 |
| | NC | Red | XB5AW14B2N <input checked="" type="checkbox"/> | 388 |
| | NO | Yellow | XB5AW15B1N | 388 |
| | NO | Amber | XB5AW18B1N | 381 |
| | NO | Blue | XB5AW16B1N | 737 |
| | NO | Clear | XB5AW17B1N* | 392 |
| Push Integral LED ~ 24V | NO | White | XB5AH31B1N | 512 |
| | NO | Green | XB5AH33B1N | 512 |
| | NC | Red | XB5AH34B2N | 512 |
| | NO | Yellow | XB5AH35B1N | 512 |
| | NO | Amber | XB5AH38B1N | 527 |
| | NO | Blue | XB5AH36B1N | 761 |
| | NO | Clear | XB5AH37B1N* | 527 |
| Flush Integral LED ~ 110V | NO | White | XB5AW31G1N | 474 |
| | NO | Green | XB5AW33G1N <input checked="" type="checkbox"/> | 474 |
| | NC | Red | XB5AW34G2N <input checked="" type="checkbox"/> | 474 |
| | NO | Yellow | XB5AW35G1N | 751 |
| | NO | Amber | XB5AW38G1N | 452 |
| | NO | Blue | XB5AW36G1N | 751 |
| | NO | Clear | XB5AW37G1N* | 859 |
| Flush Integral LED ~ 230V | NO | White | XB5AW31M1N <input checked="" type="checkbox"/> | 443 |
| | NO | Green | XB5AW33M1N <input checked="" type="checkbox"/> | 388 |
| | NC | Red | XB5AW34M2N <input checked="" type="checkbox"/> | 388 |
| | NO | Yellow | XB5AW35M1N <input checked="" type="checkbox"/> | 388 |
| | NO | Amber | XB5AW38M1N <input checked="" type="checkbox"/> | 433 |
| | NO | Blue | XB5AW36M1N <input checked="" type="checkbox"/> | 751 |
| | NO | Clear | XB5AW37M1N* | 834 |
| Projecting Integral LED ~ 230V | NO | White | XB5AW11M1N | 503 |
| | NO | Green | XB5AW13M1N | 388 |
| | NC | Red | XB5AW14M2N | 388 |
| | NO | Yellow | XB5AW15M1N | 388 |
| | NO | Amber | XB5AW18M1N | 381 |
| | NO | Blue | XB5AW16M1N | 737 |
| | NO | Clear | XB5AW17M1N* | 392 |
| Push Integral LED ~ 230V | NO | White | XB5AH11M1N | 585 |
| | NO | Green | XB5AH13M1N <input checked="" type="checkbox"/> | 512 |
| | NC | Red | XB5AH14M2N <input checked="" type="checkbox"/> | 512 |
| | NO | Yellow | XB5AH15M1N | 512 |
| | NO | Amber | XB5AH18M1N | 527 |
| | NO | Blue | XB5AH16M1N | 784 |
| | NO | Clear | XB5AH17M1N* | 527 |

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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Non-Illuminated Pushbutton

| Description | Dia of Head | Type of Contact | Colour | Reference | Unit LP [₹] |
|--------------------------------|-------------|-----------------|----------|--|-------------|
| Mushroom Head | | | | | |
| Spring return | 40 | NO | Black | XB5AC21N <input checked="" type="checkbox"/> | 258 |
| | | NO | Green | XB5AC31N <input checked="" type="checkbox"/> | 258 |
| | | NC | Red | XB5AC42N <input checked="" type="checkbox"/> | 258 |
| | | NO | Red | XB5AC41N <input checked="" type="checkbox"/> | 258 |
| | | NO | Yellow | XB5AC51N | 258 |
| | NO | Blue | XB5AC61N | 258 | |
| | 60 | NO | Black | XB5AR21N | 335 |
| | | NO | Green | XB5AR31N <input checked="" type="checkbox"/> | 335 |
| | | NC | Red | XB5AR42N | 335 |
| | | NO | Red | XB5AR41N | 335 |
| NO | | Yellow | XB5AR51N | 335 | |
| Turn to release | 30 | NC | Black | XB5AS422N | 252 |
| | | NC | Red | XB5AS442N <input checked="" type="checkbox"/> | 252 |
| | 40 | NC | Black | XB5AS522N <input checked="" type="checkbox"/> | 256 |
| | | NC | Red | XB5AS542N <input checked="" type="checkbox"/> | 252 |
| Key release (n°155) | 40 | NC | Red | XB5AS9445N <input checked="" type="checkbox"/> | 587 |
| | | NC | Black | XB5AS122N <input checked="" type="checkbox"/> | 455 |
| Trigger action turn to release | 40 | NC+NO | Red | XB5AS142N | 460 |
| Trigger action key to release | 40 | NO+NC | Red | XB5AS9445N | 587 |
| Trigger action key to release | 40 | NC | Red | XB5AS9442N | 591 |

Illuminated Pushbutton with yellow LED

| Description | Supply Voltage | Type of Contact | Reference | Unit LP [₹] | |
|--|----------------|-----------------|--|--|-----|
| Double Headed Pushbuttons (Spring return) | | | | | |
| 1 flush push (marked "I") | ~ 24V | NO+NC | XB5AW84B5N <input checked="" type="checkbox"/> | 928 | |
| 1 pilot light | ~ 110V | NO+NC | XB5AW84G5N | | |
| 1 projecting push (marked "0") | ~ 230V | NO+NC | XB5AW84M5N <input checked="" type="checkbox"/> | | |
| Mushroom Head Pushbuttons (Illuminated) | | | | | |
| Turn to release | ~ 24V | NC | Red | XB5AW74B2N <input checked="" type="checkbox"/> | 800 |
| | ~ 230V-240V | NC | Red | XB5AW74M2N <input checked="" type="checkbox"/> | 850 |

Illuminated - Selector switch

| Description | Type of Contact | Colour | Reference | Unit LP [₹] |
|--|-----------------|--------|---|-------------|
| 2 stay put ~ 24V | NO | White | XB5AK121B1N <input checked="" type="checkbox"/> | 646 |
| | NO | Green | XB5AK123B1N <input checked="" type="checkbox"/> | 559 |
| | NC | Red | XB5AK124B2N <input checked="" type="checkbox"/> | 559 |
| | NO | Yellow | XB5AK125B1N <input checked="" type="checkbox"/> | 559 |
| | NO | Blue | XB5AK126B1N | 907 |
| 2 spring return from right to left ~ 24V | NO | White | XB5AK141B1N | 982 |
| | NO | Green | XB5AK143B1N | 982 |
| | NC | Red | XB5AK144B2N | 1011 |
| | NO | Yellow | XB5AK145B1N | 982 |
| | NO | Blue | XB5AK146B1N | 1228 |
| 3 stay put ~ 24V | 2NO | White | XB5AK131B3N | 850 |
| | 2NO | Green | XB5AK133B3N <input checked="" type="checkbox"/> | 587 |
| | 1NO+1NC | Red | XB5AK134B5N <input checked="" type="checkbox"/> | 587 |
| | 2NO | Yellow | XB5AK135B3N | 587 |
| | 2NO | Blue | XB5AK136B3N | 1134 |
| 3 spring return to centre ~ 24V | 2NO | White | XB5AK151B3N | 637 |
| | 2NO | Green | XB5AK153B3N <input checked="" type="checkbox"/> | 588 |
| | 1NO+1NC | Red | XB5AK154B5N | 857 |
| | 2NO | Yellow | XB5AK155B3N | 857 |
| | 2NO | Blue | XB5AK156B3N | 1296 |
| 2 stay put ~ 230V | NO | White | XB5AK121M1N | 646 |
| | NO | Green | XB5AK123M1N <input checked="" type="checkbox"/> | 559 |
| | NC | Red | XB5AK124M2N <input checked="" type="checkbox"/> | 559 |
| | NO | Yellow | XB5AK125M1N <input checked="" type="checkbox"/> | 559 |
| | NO | Blue | XB5AK126M1N | 907 |
| 2 spring return right to left ~ 230V | NO | White | XB5AK141M1N | 1011 |
| | NO | Green | XB5AK143M1N | 982 |
| | NC | Red | XB5AK144M2N | 1011 |
| | NO | Yellow | XB5AK145M1N | 1011 |
| | NO | Blue | XB5AK146M1N | 1228 |
| 3 stay put ~ 230V | 2NO | White | XB5AK131M3N | 876 |
| | 2NO | Green | XB5AK133M3N <input checked="" type="checkbox"/> | 587 |
| | 1NO+1NC | Red | XB5AK134M5N <input checked="" type="checkbox"/> | 587 |
| | 2NO | Yellow | XB5AK135M3N | 587 |
| | 2NO | Blue | XB5AK136M3N | 1134 |
| 3 spring return to center ~ 230V | 2NO | White | XB5AK151M3N | 637 |
| | 2NO | Green | XB5AK153M3N <input checked="" type="checkbox"/> | 588 |
| | 1NO+1NC | Red | XB5AK154M5N | 857 |
| | 2NO | Yellow | XB5AK155M3N <input checked="" type="checkbox"/> | 857 |
| | 2NO | Blue | XB5AK156M3N <input checked="" type="checkbox"/> | 1296 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Non Illuminated Selector switches & Key switches

| Description | Type of Contact | Reference | Unit LP [₹] |
|-----------------------|----------------------------------|--|-------------|
| Standard handle black | 2 stay put | 1NO XB5AD21N <input checked="" type="checkbox"/> | 326 |
| | 2 spring return, right to left | 1NO XB5AD41N <input checked="" type="checkbox"/> | 520 |
| | 3 stay put | 2NO XB5AD33N <input checked="" type="checkbox"/> | 356 |
| | 3 spring return to center | 2NO XB5AD53N <input checked="" type="checkbox"/> | 379 |
| | 3 spring return, left to center | 2NO XB5AD73N <input checked="" type="checkbox"/> | 379 |
| | 3 spring return, right to center | 2NO XB5AD83N <input checked="" type="checkbox"/> | 407 |
| Long handle black | 2 stay put | 1NO XB5AJ21N <input checked="" type="checkbox"/> | 330 |
| | 3 stay put | 2NO XB5AJ33N <input checked="" type="checkbox"/> | 366 |
| | 3 Spring return to center | 2NO XB5AJ53N <input checked="" type="checkbox"/> | 382 |
| Key switch | 2 stay put* | 1NO XB5AG21N <input checked="" type="checkbox"/> | 500 |
| | 2 stay put* | 1NO XB5AG021N | 571 |
| | 2 stay put* | 1NO XB5AG41N | 500 |
| | 2 spring return, right to left | 1NO XB5AG61N | 888 |
| | 3 stay put* | 2NO XB5AG53N <input checked="" type="checkbox"/> | 532 |
| | 3 stay put* | 2NO XB5AG03N <input checked="" type="checkbox"/> | 424 |
| | 3 stay put* | 2NO XB5AG33N <input checked="" type="checkbox"/> | 561 |
| | 3 spring return to center | 2NO XB5AG73N <input checked="" type="checkbox"/> | 820 |
| | 3 spring return, left to center | 2NO XB5AG13N | 578 |
| | 3 spring return, right to center | 2NO XB5AG083N | 722 |

* Please refer catalogue for Key withdrawal position

Accessories

| Description | Legend Colour | Marking | Reference | Unit LP [₹] |
|---|--------------------|----------|--|-------------|
| With blank legend (for engraving) | Black/Red bkgd. | Blank | ZBY2101N <input checked="" type="checkbox"/> | 91 |
| | White/Yellow bkgd. | Blank | ZBY4101N | 91 |
| With 8 x 27 mm English language marked legend | | Inch | ZBY2321N | 94 |
| | | OFF | ZBY2312N | 94 |
| | | ON | ZBY2326N | 94 |
| | | Reset | ZBY2323N | 94 |
| | | Reverse | ZBY2306N | 94 |
| | Start | ZBY2303N | 91 | |
| Legends for emergency stop | Emergency stop | ON | ZBY9330N <input checked="" type="checkbox"/> | 91 |
| Mushroom head pushbuttons | Yellow bkgd. | | ZBY8330N | 91 |

Pushbutton caps (unmarked)

• For use with ZB5-AAON circular pushbutton heads supplied without caps

| Type of Pushbutton caps | Colour | Reference | Unit LP [₹] |
|-------------------------|-------------------|-----------|-------------|
| Flush | White | ZBA1N | 32 |
| | Black | ZBA2N | 32 |
| | Red | ZBA4N | 31 |
| | Yellow | ZBA5N | 32 |
| | Blue | ZBA6N | 32 |
| | Set of 6 colours* | ZBA9N | 59 |
| Projecting | White | ZBL1N | 60 |
| | Black | ZBL2N | 60 |
| | Green | ZBL3N | 60 |
| | Red | ZBL4N | 60 |
| | Yellow | ZBL5N | 60 |
| | Blue | ZBL6N | 60 |
| | Set of 6 colors* | ZBL9N | 60 |

Pushbutton caps (marked)

| Type of Pushbutton caps | Colour Text | Colour of Cap | Reference | Unit LP [₹] | |
|---|-------------|---------------|-----------|-------------|-----|
| Projecting Flush (Double injection moulded marking) | STOP | White | Red | ZBL434N | 94 |
| | I | White | Green | ZBA331N | 94 |
| | START | White | Green | ZBA333N | 91 |
| | ON | White | Green | ZBA341N** | 132 |
| | STOP | White | Red | ZBA434N | 91 |
| | UP | Black | White | ZBA343N | 132 |
| | DOWN | White | Black | ZBA344N | 136 |
| | OFF | White | Red | ZBA434N | 91 |

* Set of 6 colours white + black + green + red + yellow + blue

** Excluding ZBA-341N of double injection moulded marking

Accessories

| Description | Application | Reference | Unit LP [₹] |
|-------------------------------------|--|---|-------------|
| Plastic blanking plug, round black, | For Ø 22 control and signalling units with circular head | ZB5SZ3N <input checked="" type="checkbox"/> | 91 |
| Anti rotation plate, | Prevents head from rotation | ZB5AZ902N <input checked="" type="checkbox"/> | 26 |
| Fixing collar | To fix contacts or lights | ZB5AZ009N <input checked="" type="checkbox"/> | 91 |
| Fixing nut | | ZB5AZ901N | 26 |

Contact blocks with screw clamp terminal connections

| Description | Type of Contact | Reference | Unit LP [₹] |
|-----------------|-----------------|---|-------------|
| Standard single | 1NO | ZBE101N <input checked="" type="checkbox"/> | 78 |
| Contact blocks | 1NC | ZBE102N <input checked="" type="checkbox"/> | 78 |

Clear silicon boots

| Description | Reference | Unit LP [₹] |
|--|---|-------------|
| Boot for cylindrical flush PB | ZBPAN <input checked="" type="checkbox"/> | 52 |
| Boot for cylindrical projecting PB | ZBP0N | 54 |
| Boot for double head illuminated PB and non-illuminated PB | ZBW008N | 94 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Light block with screw clamp terminal connections

| Description | Supply Voltage | Colour of Light source | Reference | Unit LP [₹] |
|---------------------------------------|----------------|------------------------|--|-------------|
| Integral LED | ~ 24V | White | ZBVB1N | 244 |
| | | Green | ZBVB3N <input checked="" type="checkbox"/> | 244 |
| | | Red | ZBVB4N | 244 |
| | | Yellow | ZBVB5SN | 244 |
| | | Amber | ZBVB8N | 244 |
| | | Blue | ZBVB6N | 645 |
| | ~ 110V | White | ZBVG1N | 324 |
| | | Green | ZBVG3N | 315 |
| | | Red | ZBVG4N | 315 |
| | | Yellow | ZBVG5SN | 822 |
| | | Amber | ZBVG8N | 324 |
| | | Blue | ZBVG6N | 670 |
| | ~ 220V | White | ZBVM1N | 382 |
| | | Green | ZBVM3N <input checked="" type="checkbox"/> | 252 |
| | | Red | ZBVM4N <input checked="" type="checkbox"/> | 252 |
| | | Yellow | ZBVM5SN | 252 |
| | | Amber | ZBVM8N | 259 |
| | | Blue | ZBVM6N | 651 |
| Direct bulb holder without resistance | ~ 130V | - | ZBV6N | 154 |

Flush mounting kit and harmony+ NEW



- 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 LP [₹] |
|---|-----------|-------------|
| Metal flush mounting kit (PB and PL). | ZB4BZ021 | 797 |
| Metal flush mounting kit (SS and IPB). | ZB4BZ022 | 840 |
| Plastic flush mounting kit (PB and PL). | ZB5AZ021 | 700 |
| Plastic flush mounting kit (SS and IPB). | ZB5AZ022 | 707 |
| Plastic flush mounting kit for legend 8x27 (PB and PL). | ZB5AZ023 | 797 |
| Plastic flush mounting kit for legend 8x27 (SS and IPB). | ZB5AZ024 | 847 |
| Plastic flush mounting kit for legend 18x27 (PB and PL). | ZB5AZ025 | 1096 |
| Plastic flush mounting kit for legend 18x27 (SS and IPB). | ZB5AZ026 | 1146 |

| Description | Reference | Unit LP [₹] |
|---|--------------|-------------|
| Head Ø22 + mounting base + potentiometer 4K7 | XB4BD912R4K7 | on Request |
| Head Ø22 + mounting base + potentiometer 4K7 | XB5AD912R4K7 | on Request |
| 100...240 VAC/DC Panel mounted Ø22 mm timer monofunction with 3 s..60 s delay | XB5DTGM3 | on Request |
| Panel mounted USB 3.0 port - Ø22 mm - for USB interface jack type A | XB5PUSB3 | on Request |
| Panel mounted RJ45 port - Ø22 mm - for Ethernet connection | XB5PRJ45 | on Request |
| Red emergency stop TTR 40mm 2NC 1NO moni | XB5AS84449 | on Request |
| Red illu estop TTR 40mm 2NC 1NO moni.ct | XB5AS86449B4 | on Request |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

ZAL Bodies for LED Pilot light (for mounting on metal plate at back of enclosure)

| Description | Colour | Reference | Unit LP [₹] |
|-------------|--------|-----------|-------------|
| ≈ 24V | White | ZALVB1 | 498 |
| | Green | ZALVB3 | 484 |
| | Red | ZALVB4 | 484 |
| | Yellow | ZALVB5 | 484 |
| | Blue | ZALVB6 | 544 |
| | ~ 120V | White | ZALVG1 |
| Green | | ZALVG3 | 725 |
| Red | | ZALVG4 | 566 |
| Yellow | | ZALVG5 | 629 |
| Blue | | ZALVG6 | 629 |
| ~ 220V | | White | ZALVM1 |
| | Green | ZALVM3 | 873 |
| | Red | ZALVM4 | 738 |
| | Yellow | ZALVM5 | 691 |
| | Blue | ZALVM6 | 711 |
| | ≈ 24V | White | ZBVB1 |
| Green | | ZBVB3 | 332 |
| Red | | ZBVB4 | 332 |
| Yellow | | ZBVB5 | 323 |
| Blue | | ZBVB6 | 420 |
| ~ 120V | | White | ZBVG1 |
| | Green | ZBVG3 | 440 |
| | Red | ZBVG4 | 536 |
| | Yellow | ZBVG5 | 519 |
| | Blue | ZBVG6 | 982 |
| | ~ 220V | White | ZBVM1 |
| Green | | ZBVM3 | 420 |
| Red | | ZBVM4 | 420 |
| Yellow | | ZBVM5 | 427 |
| Blue | | ZBVM6 | 513 |

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

| Description | No. of ways | Color of Enclosure | Reference | Unit LP [₹] |
|--|-------------|--------------------|--|-------------|
| For normal environment Light grey base IP65 | 1 | Dark grey | XALD01 <input checked="" type="checkbox"/> | 541 |
| | 2 | Dark grey | XALD02 <input checked="" type="checkbox"/> | 669 |
| | 3 | Dark grey | XALD03 | 815 |
| | 4 | Dark grey | XALD04 <input checked="" type="checkbox"/> | 1114 |
| | 5 | Dark grey | XALD05 | 1455 |
| For normal environment Light Grey base IP54 | 1 | Yellow | XALK01 <input checked="" type="checkbox"/> | 598 |
| | 2 | Light Grey | XALE2 | 447 |
| | 3 | Light Grey | XALE3 | 545 |

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

| Description | Contacts Type and Composition | Reference | Unit LP [₹] |
|----------------------------------|-------------------------------|--|-------------|
| Standard single Contact block | 1 NO | ZENL1111 <input checked="" type="checkbox"/> | 288 |
| | 1 NC | ZENL1121 <input checked="" type="checkbox"/> | |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

XVB-C Illuminated Lens Units

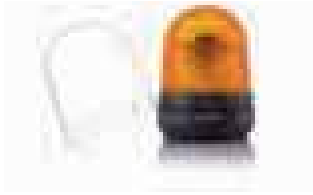
| Description | Light Block Colour | Reference | Unit LP [₹] |
|--|--|-----------|-------------|
| Lens unit - steady light - 250 V 10 W | Green | XVBC33 | 2085 |
| | Red | XVBC34 | 2125 |
| | Orange | XVBC35 ✓ | 2125 |
| | Blue | XVBC36 | 2085 |
| | Clear | XVBC37 | 2125 |
| | Yellow | XVBC38 | 2085 |
| Lens unit - flashing light - 24..48 V DC 24 V AC | Green | XVBC4B3 | 5934 |
| | Red | XVBC4B4 | 5766 |
| | Orange | XVBC4B5 | 5766 |
| | Blue | XVBC4B6 | 5934 |
| | Clear | XVBC4B7 | 5934 |
| | Yellow | XVBC4B8 | 5663 |
| Lens unit - flashing light - 48..230 V AC | Green | XVBC4M3 | 5789 |
| | Red | XVBC4M4 | 6063 |
| | Orange | XVBC4M5 | 5934 |
| | Blue | XVBC4M6 | 6049 |
| | Clear | XVBC4M7 | 5789 |
| | Yellow | XVBC4M8 | 5789 |
| Lens unit - steady light - 24 V AC DC | Green | XVBC2B3 | 4674 |
| | Red | XVBC2B4 | 4674 |
| | Orange | XVBC2B5 | 4674 |
| | Blue | XVBC2B6 | 6030 |
| | Clear | XVBC2B7 | 6030 |
| | Yellow | XVBC2B8 | 4585 |
| Lens unit - steady light - 120 V AC | Green | XVBC2G3 | 4582 |
| | Red | XVBC2G4 | 4585 |
| | Orange | XVBC2G5 | 4766 |
| | Blue | XVBC2G6 | 5777 |
| | Clear | XVBC2G7 | 5777 |
| | Yellow | XVBC2G8 | 4789 |
| Lens unit - steady light - 230 V AC | Green | XVBC2M3 | 4585 |
| | Red | XVBC2M4 | 4585 |
| | Orange | XVBC2M5 | 4585 |
| | Blue | XVBC2M6 | 6358 |
| | Clear | XVBC2M7 | 5967 |
| | Yellow | XVBC2M8 | 4992 |
| Lens unit - flashing light - 24 V AC DC | Green | XVBC5B3 | 8237 |
| | Red | XVBC5B4 | 7986 |
| | Orange | XVBC5B5 | 8068 |
| | Blue | XVBC5B6 | 10067 |
| | Clear | XVBC5B7 | 6629 |
| | Yellow | XVBC5B8 | 7940 |
| Lens unit - flashing light - 120 V AC | Green | XVBC5G3 | 8236 |
| | Red | XVBC5G4 | 8226 |
| | Orange | XVBC5G5 | 8078 |
| | Blue | XVBC5G6 | 10028 |
| | Clear | XVBC5G7 | 9417 |
| | Yellow | XVBC5G8 | 8196 |
| Lens unit - flashing light - 230 V AC | Red | XVBC5M4 | 7915 |
| | Orange | XVBC5M5 | 8226 |
| | Blue | XVBC5M6 | 9970 |
| | Clear | XVBC5M7 | 9417 |
| | Yellow | XVBC5M8 | 8226 |
| | Flashing unit - integral LED - 230..240 V AC | Green | XVBC5M3 |

XVB Units

| Description | Reference | Unit LP [₹] |
|---|-----------|-------------|
| XVB Audible Signalling Unit | | |
| Sound unit - continuous or intermittent buzzer - 75..90 dB - 12..48 V AC DC | XVBC9B ✓ | 6517 |
| Sound unit - continuous or intermittent buzzer - 75..90 dB - 120..230 V AC | XVBC9M | 10953 |
| XVB Base Unit + Cover | | |
| Base unit + cover for bank XVB - without flash discharge tube - black - IP 65 | XVBC21 ✓ | 2946 |
| XVB Accessories | | |
| Fixing base on vertical surface - zamak black - XVB | XVBC12 | 1785 |
| Lateral cable entry kit with Pg 13.5 cable gland - XVB | XVBC14 | 389 |
| Set of coloured indicator pins - 6 colors - XVB | XVBC22 | 323 |
| Support tube + fixing base l=400 mm - aluminium black - XVB | XVBZ03 | 2453 |
| Support tube + fixing base l=80 mm - aluminium black - XVB | XVBZ02 | 1854 |
| Support tube + fixing base l=800 mm - aluminium black - XVB | XVBZ04 | 3652 |
| XVB Incandescent Bulb | | |
| Clear incandescent bulb for signalling - BA 15d - 24 V 10 W | DL1BLB | 277 |
| Clear incandescent bulb for signalling - BA 15d - 48 V 10 W | DL1BLE | 293 |
| Clear incandescent bulb for signalling - BA 15d - 120 V 10 W | DL1BLG | 465 |
| Clear incandescent bulb for signalling - BA 15d - 12 V 10 W | DL1BLJ | 285 |
| Clear incandescent bulb for signalling - BA 15d - 230 V 10 W | DL1BLM | 302 |

XVB LED BA 15d Base Fitting

| [Us] Rated Supply Voltage | Signalling Colour | Reference | Unit LP [₹] |
|---------------------------|-------------------|-----------|-------------|
| 24 V | White | DL1BDB1 | 3710 |
| | Green | DL1BDB3 | 2968 |
| | Red | DL1BDB4 | 2968 |
| | Blue | DL1BDB6 | 3365 |
| | Yellow-Orange | DL1BDB8 | 3487 |
| 120 V AC | Blue | DL1BDG6 | 4469 |
| | Green | DL1BDG3 | 3542 |
| | Red | DL1BDG4 | 3491 |
| | White | DL1BDG1 | 4469 |
| | Yellow-Orange | DL1BDG8 | 3703 |
| 230 V AC | Blue | DL1BDM6 | 4469 |
| | Green | DL1BDM3 | 3881 |
| | Red | DL1BDM4 | 3776 |
| | White | DL1BDM1 | 4469 |
| | Yellow-Orange | DL1BDM8 | 3571 |



- 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 LP [₹] |
|--|-----------|-------------|
| Multi-functional LED Beacon green without buzzer DC/AC 12~24V | XVR3B03 | 9830 |
| Multi-functional LED Beacon red without buzzer DC/AC 12~24V | XVR3B04 | 9846 |
| Multi-functional LED Beacon orange without buzzer DC/AC 12~24V | XVR3B05 | 9681 |
| Multi-functional LED Beacon blue without buzzer DC/AC 12~24V | XVR3B06 | 9928 |
| Multi-functional LED Beacon green without buzzer AC 100~230V | XVR3M03 | 9830 |
| Multi-functional LED Beacon red without buzzer AC 100~230V | XVR3M04 | 9681 |
| Multi-functional LED Beacon Orange without buzzer AC 100~230V | XVR3M05 | 9681 |
| Multi-functional LED Beacon Blue without buzzer AC 100~230V | XVR3M06 | 9928 |
| Multi-functional LED Beacon green with buzzer DC/AC 12~24V | XVR3B03S | 21184 |
| Multi-functional LED Beacon red with buzzer DC/AC 12~24V | XVR3B04S | 19738 |
| Multi-functional LED Beacon orange with buzzer DC/AC 12~24V | XVR3B05S | 20319 |
| Multi-functional LED Beacon blue with buzzer DC/AC 12~24V | XVR3B06S | 21184 |
| Multi-functional LED Beacon green with buzzer AC 100~230V | XVR3M03S | 10705 |
| Multi-functional LED Beacon red with buzzer AC 100~230V | XVR3M04S | 8882 |
| Multi-functional LED Beacon orange with buzzer AC 100~230V | XVR3M05S | 9715 |
| Multi-functional LED Beacon blue with buzzer AC 100~230V | XVR3M06S | 10705 |
| Multi-functional LED Beacon green without buzzer DC48V | XVR3E03 | 9928 |
| Multi-functional LED Beacon red without buzzer DC48V | XVR3E04 | 9681 |
| Multi-functional LED Beacon orange without buzzer DC48V | XVR3E05 | 9681 |
| Multi-functional LED Beacon blue without buzzer DC48V | XVR3E06 | 9928 |
| Multi-functional LED Beacon, External lens | XVR3Z001 | 268 |

XVR Bulbs

| Description | [Us] Rated Supply Voltage | Reference | Unit LP [₹] |
|---|---------------------------|-----------|-------------|
| BA 15d Base fitting | | | |
| Clear Halogen Bulb For Signalling - Ba 15D - 70 W | 24 V AC/DC | DL1BRBH | 2702 |

Accessories and spare parts

| Description | cap/ operator Or Lens Colour | Reference | Unit LP [₹] |
|---|------------------------------|-----------|-------------|
| Fixing base on vertical surface - black | | XVR012 | 2093 |
| Fixing base for support tube with tapping 1/2 " npt - black | | XVR013 | 1206 |
| Green domed lens - ø 165 | green | XVR0153 | 4515 |
| Red domed lens - ø 165 | red | XVR0154 | 4515 |
| Orange domed lens - ø 165 | orange | XVR0155 | 4515 |
| Blue domed lens - ø 165 | blue | XVR0156 | 4515 |
| Yellow domed lens - ø 165 | yellow | XVR0158 | 4515 |
| Protective grid for lens unit | | XVR016 | 2029 |

Note: Accessories only for references XVR1B****.

XVS Sirens

| Description | Reference | Unit LP [₹] |
|---|-----------|-------------|
| 2 Tones siren - 106 dB - 12...24V AC/DC - White | XVS10BMW | 18186 |
| 2 Tones siren - 106 dB - 120V AC - White | XVS10GMW | |
| 2 Tones siren - 106 dB - 230V AC - White | XVS10MMW | |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

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DL1 Incandescent Bulb

| Description | Light Block Colour | Reference | Unit LP [₹] |
|---|--------------------|-----------|-------------|
| Clear incandescent bulb for signalling - ba 15d - 24 v 4 w | | DL1BEBS | 263 |
| Clear incandescent bulb for signalling - ba 15d - 120 v 7 w | | DL1BEG | 278 |
| Clear incandescent bulb for signalling - ba 15d - 230 v 5 w | | DL1BEMS | 286 |

XVR Rotating Mirror Beacon

| Description | Light Block Colour | Reference | Unit LP [₹] |
|---|--------------------|-----------|-------------|
| Rotating mirror beacon - 70W - 24V AC DC | Green | XVR1B93 | 13240 |
| | Red | XVR1B94 | 14640 |
| | Orange | XVR1B95 | 13189 |
| | Blue | XVR1B96 | 13240 |
| | Yellow | XVR1B98 | 13189 |
| Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC | Green | XVR08B03 | 10473 |
| Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC | Green | XVR10B03 | 10473 |
| Rotating mirror beacon with buzzer XVR - Ø 120 - 24 V AC DC | Green | XVR12B03 | 13349 |
| Rotating mirror beacon w/o buzzer XVR - Ø 130 - 24 V AC DC | Red | XVR13B04L | 10783 |
| | Orange | XVR13B05L | 10474 |
| Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC | Blue | XVR08B06 | 11422 |
| Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC | Blue | XVR10B06 | 11422 |
| Rotating mirror beacon w/o buzzer XVR - Ø 120 - 24 V AC DC | Blue | XVR12B06 | 13455 |
| Rotating mirror beacon w/o buzzer XVR - Ø 130 - 120 V AC | Red | XVR13G04L | 12743 |
| | Orange | XVR13G05L | 11422 |
| Rotating mirror beacon w/o buzzer XVR - Ø 130 - 230 V AC | Red | XVR13M04L | 13562 |
| | Orange | XVR13M05L | 12865 |

XVM Series

Tower Light with Super Bright LED and integral light diffuser

| Description | Reference | Unit LP [₹] |
|--|--------------|-------------|
| Complete Tower 24 V AC/DC Without Buzzer | XVMB2RSB | 2986 |
| | XVMB2RASB | 2939 |
| | XVMB2RGSB | 4365 |
| | XVMB2RAGSB | 5795 |
| | XVMB2R6AGSB | 6338 |
| Complete Tower 24 V AC/DC With Buzzer | XVMB2RSSB | 3363 |
| | XVMB2RASSB | 4693 |
| | XVMB2RGSSB | 4947 |
| | XVMB2RAGSSB | 7486 |
| | XVMB2R6AGSSB | 10032 |
| Complete Tower 120 V AC Without Buzzer | XVMG2RSB | 4024 |
| | XVMG2RASB | 4363 |
| | XVMG2RGSB | 4226 |
| | XVMG2RAGSB | 5225 |
| | XVMG2R6AGSB | 7689 |
| Complete Tower 120 V AC With Buzzer | XVMG2RSSB | 4287 |
| | XVMG2RASSB | 5543 |
| | XVMG2RGSSB | 5496 |
| | XVMG2RAGSSB | 6754 |
| | XVMG2R6AGSSB | 9197 |
| Complete Tower 230 V AC Without Buzzer | XVMM2RSB | 3762 |
| | XVMM2RASB | 4064 |
| | XVMM2RGSB | 4260 |
| | XVMM2RAGSB | 6922 |
| | XVMM2R6AGSB | 8219 |
| Complete Tower 230 V AC With Buzzer | XVMM2RSSB | 6018 |
| | XVMM2RASSB | 5827 |
| | XVMM2RGSSB | 6051 |
| | XVMM2RAGSSB | 7225 |
| | XVMM2R6AGSSB | 9528 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

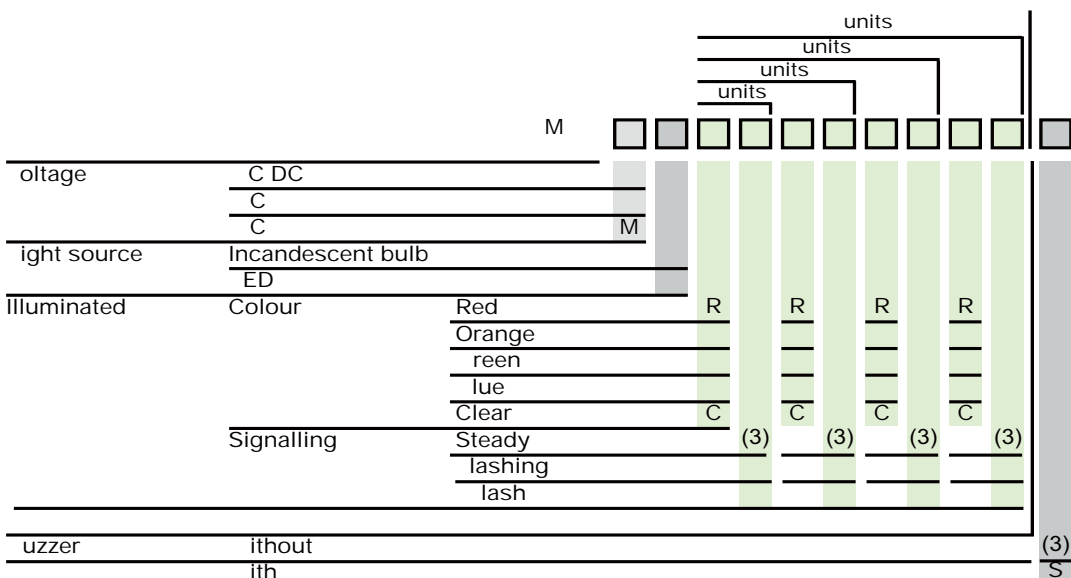
XVM Series

| Description | Reference | Unit LP [₹] |
|-----------------------------------|---|-------------|
| Base and Cover | XVMC21 | 621 |
| Tube and Base | XVMC213T | 1186 |
| Base with Buzzer 24V | XVMC29B | 1784 |
| Tube and Base with Buzzer 24V | XVMC29B3T | 2482 |
| Tube and Base with Buzzer 120V | XVMC29G3T | 2544 |
| Base with Buzzer 230V | XVMC29M | 1859 |
| Green Lens | XVMC33 | 690 |
| Red Lens | XVMC34 | 690 |
| Yellow Lens | XVMC35 | 690 |
| Blue Lens | XVMC36 | 690 |
| Clear Lens | XVMC37 | 690 |
| 100mm Aluminium Tube with Stand | XVMZ02 | 571 |
| 100mm Aluminium Tube with Bracket | XVMZ02T | 693 |
| 250mm Aluminium Tube with Stand | XVMZ03 | 821 |
| 250mm Aluminium Tube with Bracket | XVMZ03T | 851 |
| 400mm Aluminium Tube with Stand | XVMZ04 | 1149 |
| Cover for Replacement | XVMZ081 | 164 |
| Tool for Bulb | ZBZX13 | 169 |
| Incandescent Bulb 24 V | DL1EDBS <input checked="" type="checkbox"/> | 191 |
| Incandescent Bulbs 120 V | DL1EDGS | 193 |
| Incandescent Bulbs 230 V | DL1EDMS <input checked="" type="checkbox"/> | 193 |
| White Led Bulb 24 V | DL2EDB1SB | 925 |
| Green Led Bulb 24 V | DL2EDB3SB | 925 |
| Red Led Bulb 24 V | DL2EDB4SB | 925 |
| Blue Led Bulb 24 V | DL2EDB6SB | 1088 |
| Orange Led Bulb 24 V | DL2EDB8SB | 906 |

XVM Series

| Description | Reference | Unit LP [₹] |
|--------------------------------|-----------|-------------|
| White Led Bulb 120 V | DL2EDG1SB | 1169 |
| Green Led Bulb 120 V | DL2EDG3SB | 1096 |
| Red Led Bulb 120 V | DL2EDG4SB | 1064 |
| Blue Led Bulb 120 V | DL2EDG6SB | 1064 |
| Orange Led Bulb 120 V | DL2EDG8SB | 1096 |
| White Led Bulb 230 V | DL2EDM1SB | 1108 |
| Green Led Bulb 230 V | DL2EDM3SB | 1045 |
| Red Led Bulb 230 V | DL2EDM4SB | 1087 |
| Blue Led Bulb 230 V | DL2EDM6SB | 1141 |
| Orange Led Bulb 230 V | DL2EDM8SB | 1087 |
| White Flashing Led Bulb 24 V | DL2EKB1SB | 1227 |
| Green Flashing Led Bulb 24 V | DL2EKB3SB | 1289 |
| Red Flashing Led Bulb 24 V | DL2EKB4SB | 1228 |
| Blue Flashing Led Bulb 24 V | DL2EKB6SB | 1289 |
| Orange Flashing Led Bulb 24 V | DL2EKB8SB | 1228 |
| White Flashing Led Bulb 120 V | DL2EKG1SB | 1410 |
| Green Flashing Led Bulb 120 V | DL2EKG3SB | 1481 |
| Red Flashing Led Bulb 120 V | DL2EKG4SB | 1438 |
| Blue Flashing Led Bulb 120 V | DL2EKG6SB | 1410 |
| Orange Flashing Led Bulb 120 V | DL2EKG8SB | 1481 |
| White Flashing Led Bulb 230 V | DL2EKM1SB | 1528 |
| Green Flashing Led Bulb 230 V | DL2EKM3SB | 1528 |
| Red Flashing Led Bulb 230 V | DL2EKM4SB | 1549 |
| Blue Flashing Led Bulb 230 V | DL2EKM6SB | 1528 |
| Orange Flashing Led Bulb 230 V | DL2EKM8SB | 1528 |
| Strobe Bulb 24V | DL6BB | 2592 |
| Strobe Bulb 120V | DL6BG | 2535 |
| Strobe Bulb 230 V | DL6BM | 2535 |

breakdown of the reference for a complete indicator bank



Reference example: M R S indicator bank for C DC supply with EDs with red lens unit with flash discharge tube signalling lens units orange and green with steady light signalling and with buzzer

Tower light, Ø 60 mm, Pre-assembled , PreCabled , Monolethic , Economical Version , XVGB-Series with LED for steady light - 24VDC

| Description | References | Unit LP [₹] |
|---|------------|-------------|
| With aluminium tube mounting and L-bracket | | |
| Without Buzzer | | |
| 2-Stage Red, Green | XVGB2 | 2646 |
| 3-Stage Red, Amber, Green | XVGB3 | 2997 |
| 4-Stage Red, Amber, Green, Blue | XVGB4 | 3609 |
| With Buzzer | | |
| 2-Stage Red, Green | XVGB2S | 3004 |
| 3-Stage Red, Amber, Green | XVGB3S | 3407 |
| 4-Stage Red, Amber, Green, Blue | XVGB4S | 3627 |
| With direct aluminium tube mounting | | |
| Without Buzzer | | |
| 2-Stage Red, Green | XVGB2T | 2726 |
| 3-Stage Red, Amber, Green | XVGB3T | 3314 |
| 4-Stage Red, Amber, Green, Blue | XVGB4T | 4017 |
| With Buzzer | | |
| 2-Stage Red, Green | XVGB2ST | 3339 |
| 3-Stage Red, Amber, Green | XVGB3ST | 3431 |
| 4-Stage Red, Amber, Green, Blue | XVGB4ST | 4377 |
| With aluminium tube mounting and fixing plate | | |
| Without Buzzer | | |
| 2-Stage Red, Green | XVGB2H | 2646 |
| 3-Stage Red, Amber, Green | XVGB3H | 3028 |
| 4-Stage Red, Amber, Green, Blue | XVGB4H | 3972 |
| With Buzzer | | |
| 2-Stage Red, Green | XVGB2SH | 3234 |
| 3-Stage Red, Amber, Green | XVGB3SH | 3487 |
| 4-Stage Red, Amber, Green, Blue | XVGB4SH | 4345 |
| With aluminium tube mounting and foldable bracket | | |
| Without Buzzer | | |
| 2-Stage Red, Green | XVGB2M | 3033 |
| 3-Stage Red, Amber, Green | XVGB3M | 3315 |
| 4-Stage Red, Amber, Green, Blue | XVGB4M | 4001 |
| With Buzzer | | |
| 2-Stage Red, Green | XVGB2SM | 3289 |
| 3-Stage Red, Amber, Green | XVGB3SM | 3600 |
| 4-Stage Red, Amber, Green, Blue | XVGB4SM | 3630 |
| With base mounting - Direct | | |
| Without Buzzer | | |
| 2-Stage Red, Green | XVGB2W | 2486 |
| 3-Stage Red, Amber, Green | XVGB3W | 2925 |
| 4-Stage Red, Amber, Green, Blue | XVGB4W | 3837 |
| With Buzzer | | |
| 2-Stage Red, Green | XVGB2SW | 2910 |
| 3-Stage Red, Amber, Green | XVGB3SW | 3291 |
| 4-Stage Red, Amber, Green, Blue | XVGB4SW | 3932 |
| XVG-USB Based Towerlights | | |
| Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 Direct base mounting | XVGU3SWV | 6452 |
| Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 With 100 mm aluminium tube mounting | XVGU3SHAV | 7313 |



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



- 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 LP [₹] |
|--|------------------|-------------|
| ZART8L + ZARB12W | XARS8L12W | 107624 |
| ZART8L + ZARB12H | ZART8L + ZARB12H | 112942 |
| ZART8D + ZARB18W | XARS8D18W | 120851 |
| ZART8D + ZARB18H | XARS8D18H | 122871 |
| ZART12D + ZARB18W | XARS12D18W | 117762 |
| ZART12D + ZARB18H | XARS12D18H | 120240 |
| Starter kit = XARS8L12W + ZARC01 + ZARC02 | XARSK8L12W | 132758 |
| Starter kit = XARS8L12H + ZARC01 + ZARC02 | XARSK8L12H | 135870 |
| Starter kit = XARS8D18W + ZARC01 + ZARC02 | XARSK8D18W | 143145 |
| Starter kit = XARS8D18H + ZARC01 + ZARC02 | XARSK8D18H | 145115 |
| Starter kit = XARS12D18W + ZARC01 + ZARC02 | XARSK12D18W | 142895 |
| Starter kit = XARS12D18H + ZARC01 + ZARC02 | XARSK12D18H | 141323 |
| Basic features – 8 pushbuttons - LEDs | ZART8L | 51949 |
| Basic features – 8 pushbuttons - Display | ZART8D | 59795 |
| Extended features – 12 pushbuttons | ZART12D | 60173 |
| 12 outputs wired connection – cable gland | ZARB12W | 56881 |
| 12 outputs – industrial plug connection | ZARB12H | 60993 |
| 18 outputs wired connection – cable gland | ZARB18W | 63829 |
| 18 outputs – industrial plug connection | ZARB18H | 65915 |
| Charger | ZARC01 | 6278 |
| Shoulder belt | ZARC02 | 6453 |
| External antenna | ZARC03 | 17797 |
| Holder | ZARC04 | 2506 |
| Connector plug female with cable 1.5m | ZARC05 | 20231 |
| Cable gland kit with wire grommets | ZARC06 | 255 |
| Kit of adhesive labels in B/W for remote device | ZARC07 | 1154 |
| Kit of adhesive labels in colour for remote device and crane equipment | ZARC08 | 4737 |
| Kit silent block for ZARB base station | ZARC09 | 14257 |
| Connector plug female with cable 3m | ZARC12 | 34896 |
| Connector plug female with cable 5m | ZARC18 | 52170 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

XAC-A Type

For Control Circuits

- Complete Stations IP657
- Double Insulated
- "Small Hoist" applications

| Control station composition | Mechanical interlocking | Contact composition | Reference | Unit LP [₹] |
|--------------------------------|---|---------------------------|---|-------------|
| For Single Hoist Motors | | | | |
| 2 pushbuttons | With mechanical interlocking | 1 NO | XACA201 | 3953 |
| | | 1 NC + 1 NO | XACA205 | 4166 |
| 2 booted pushbuttons | With mechanical interlocking | 1 NO | XACA211 | 3991 |
| | | 1 NC + 1 NO | XACA215 | 4549 |
| For Single-Speed Motors | | | | |
| 2 pushbuttons | With mechanical interlocking | 1 NO | XACA271 <input checked="" type="checkbox"/> | 4053 |
| | | 1 NC + 1 NO | XACA281 <input checked="" type="checkbox"/> | 4564 |
| 4 pushbuttons | With mechanical interlocking Between pairs | 1 NO | XACA471 <input checked="" type="checkbox"/> | 5169 |
| | | 1 NC + 1 NO | XACA481 <input checked="" type="checkbox"/> | 5867 |
| 6 pushbuttons | With mechanical interlocking Between pairs | 1 NO | XACA671 <input checked="" type="checkbox"/> | 6040 |
| | | 1 NC + 1 NO | XACA681 <input checked="" type="checkbox"/> | 7457 |
| 8 pushbuttons | With mechanical interlocking Between pairs | 1 NO (for 7 operators) | XACA871 <input checked="" type="checkbox"/> | 7074 |
| | | 1 NO (for 8 operators) | | |
| | | 1 NC + 1 NO | XACA881 <input checked="" type="checkbox"/> | 8849 |

Joystick Controllers

| Description | Legend plate without text | Legend plate Price | Reference | Unit LP [₹] |
|--|---------------------------|--------------------|---|-------------|
| XD2-P (One Step in Each Position) Dia. 22mm | | | | |
| 2-Direction Stay-Put | ZD2-GY2201 | 103 | XD2PA12 | 4488 |
| 2-Direction Spring Return to Zero | | | XD2PA22 <input checked="" type="checkbox"/> | 4156 |
| 4-Direction Stay-Put | ZD2-GY4201 | 123 | XD2PA14 | 5133 |
| 4-Direction Spring Return to Zero | | | XD2PA24 <input checked="" type="checkbox"/> | 5214 |
| XD2-G (Two steps in each position) Dia. 22mm | | | | |
| 2 - Direction (2 notches with spring return to zero) | ZD2-GY5201 | 139 | XD2GA8241 | 9964 |
| 2-Direction (1st notch stay-put, 2nd notch spring return to 1st) | | | XD2GA8251 | 9768 |
| 4-Direction spring (2 notches with spring return to zero) | ZD2-GY6201 | 146 | XD2GA8441 | 13145 |
| 4-Direction (1st notch stay-put, 2nd notch spring return to 1st) | | | XD2GA8451 | 14097 |

Foot Switch

| Contacts Type and Composition | Reference | Unit LP [₹] |
|---------------------------------|---|-------------|
| Insulated Enclosure 1 NC + 1 NO | XPEA110 <input checked="" type="checkbox"/> | 4091 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

 NORMAL STOCK ITEMS

W.E.F. March 12, 2018

> 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.)

7 input/output channels

Exclusive From Schneider Electric



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

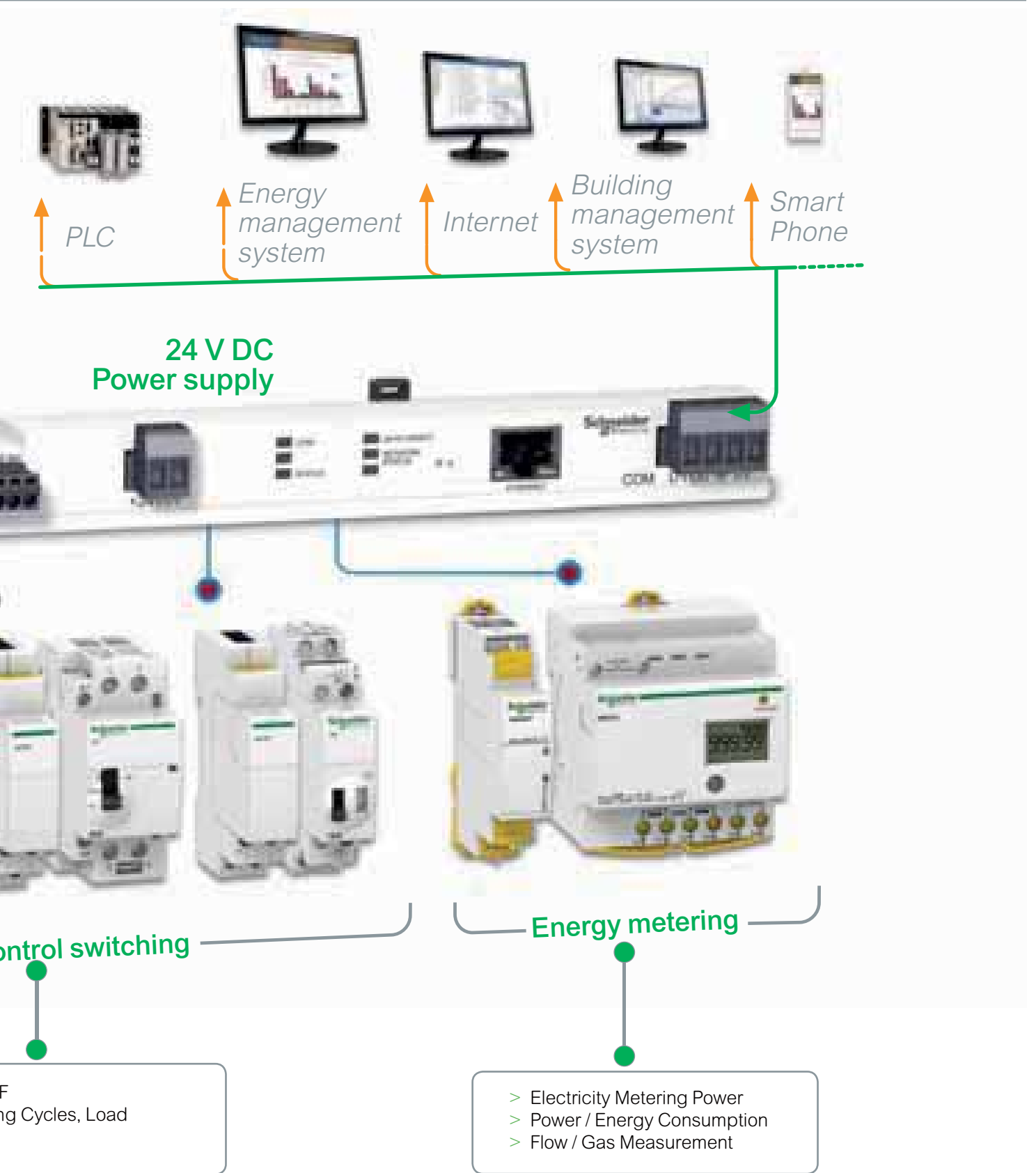
- > Switching Action - ON / OFF
- > Monitoring - No. of Switching running hours



Meets the challenge of all your applications

Detailed load control, reduced downtime and accurately planned maintenance

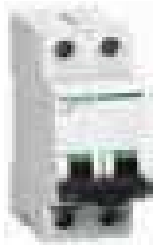
Ready to connect to any facility management solution



Green Premium Products

100% Recyclable and Recoverable
REACH, ROHS, PEP, EOL compliant

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 LP [₹] | 2 Pole Reference | Unit LP [₹] | 3 Pole Reference | Unit LP [₹] | 4 Pole Reference | Unit LP [₹] |
|------------------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
| Module Width** | 1 mod | | 2 mod | | 3 mod | | 4 mod | |
| MOQ | 12 Nos. | | 6 Nos. | | 4 Nos. | | 3 Nos. | |

B curve

| | | | | | | | | |
|----|------------|-----|------------|------|------------|------|------------|------|
| 6 | A9N1P06B ✓ | 298 | A9N2P06B ✓ | 902 | A9N3P06B ✓ | 1475 | A9N4P06B ✓ | 1990 |
| 10 | A9N1P10B ✓ | 298 | A9N2P10B ✓ | 902 | A9N3P10B ✓ | 1475 | A9N4P10B ✓ | 1990 |
| 16 | A9N1P16B ✓ | 298 | A9N2P16B ✓ | 902 | A9N3P16B ✓ | 1475 | A9N4P16B ✓ | 1990 |
| 20 | A9N1P20B ✓ | 298 | A9N2P20B ✓ | 902 | A9N3P20B ✓ | 1475 | A9N4P20B ✓ | 1990 |
| 25 | A9N1P25B ✓ | 298 | A9N2P25B ✓ | 902 | A9N3P25B ✓ | 1475 | A9N4P25B ✓ | 1990 |
| 32 | A9N1P32B ✓ | 298 | A9N2P32B ✓ | 902 | A9N3P32B ✓ | 1475 | A9N4P32B ✓ | 1990 |
| 40 | A9N1P40B ✓ | 660 | A9N2P40B ✓ | 1455 | A9N3P40B ✓ | 2250 | A9N4P40B ✓ | 2865 |
| 50 | A9N1P50B ✓ | 660 | A9N2P50B ✓ | 1455 | A9N3P50B ✓ | 2250 | A9N4P50B ✓ | 2865 |
| 63 | A9N1P63B ✓ | 660 | A9N2P63B ✓ | 1455 | A9N3P63B ✓ | 2250 | A9N4P63B ✓ | 2865 |

C curve

| | | | | | | | | |
|----|------------|-----|------------|------|------------|------|------------|------|
| 1 | A9N1P01C ✓ | 464 | A9N2P01C ✓ | 1255 | A9N3P01C ✓ | 1940 | A9N4P01C ✓ | 2450 |
| 2 | A9N1P02C ✓ | 464 | A9N2P02C ✓ | 1255 | A9N3P02C ✓ | 1940 | A9N4P02C ✓ | 2450 |
| 3 | A9N1P03C ✓ | 464 | A9N2P03C ✓ | 1255 | A9N3P03C ✓ | 1940 | A9N4P03C ✓ | 2450 |
| 4 | A9N1P04C ✓ | 464 | A9N2P04C ✓ | 1255 | A9N3P04C ✓ | 1940 | A9N4P04C ✓ | 2450 |
| 6 | A9N1P06C ✓ | 298 | A9N2P06C ✓ | 902 | A9N3P06C ✓ | 1475 | A9N4P06C ✓ | 1990 |
| 10 | A9N1P10C ✓ | 298 | A9N2P10C ✓ | 902 | A9N3P10C ✓ | 1475 | A9N4P10C ✓ | 1990 |
| 16 | A9N1P16C ✓ | 298 | A9N2P16C ✓ | 902 | A9N3P16C ✓ | 1475 | A9N4P16C ✓ | 1990 |
| 20 | A9N1P20C ✓ | 298 | A9N2P20C ✓ | 902 | A9N3P20C ✓ | 1475 | A9N4P20C ✓ | 1990 |
| 25 | A9N1P25C ✓ | 298 | A9N2P25C ✓ | 902 | A9N3P25C ✓ | 1475 | A9N4P25C ✓ | 1990 |
| 32 | A9N1P32C ✓ | 298 | A9N2P32C ✓ | 902 | A9N3P32C ✓ | 1475 | A9N4P32C ✓ | 1990 |
| 40 | A9N1P40C ✓ | 660 | A9N2P40C ✓ | 1455 | A9N3P40C ✓ | 2250 | A9N4P40C ✓ | 2865 |
| 50 | A9N1P50C ✓ | 660 | A9N2P50C ✓ | 1455 | A9N3P50C ✓ | 2250 | A9N4P50C ✓ | 2865 |
| 63 | A9N1P63C ✓ | 660 | A9N2P63C ✓ | 1455 | A9N3P63C ✓ | 2250 | A9N4P63C ✓ | 2865 |

D curve

| | | | | | | | | |
|----|------------|-----|------------|------|------------|------|------------|------|
| 1 | A9N1P01D ✓ | 468 | A9N2P01D | 1265 | A9N3P01D ✓ | 1980 | ---- | ---- |
| 2 | A9N1P02D ✓ | 468 | A9N2P02D ✓ | 1265 | A9N3P02D ✓ | 1980 | A9N4P02D | 2465 |
| 3 | A9N1P03D ✓ | 468 | A9N2P03D ✓ | 1265 | A9N3P03D ✓ | 1980 | A9N4P03D | 2465 |
| 4 | A9N1P04D ✓ | 468 | A9N2P04D ✓ | 1265 | A9N3P04D ✓ | 1980 | A9N4P04D | 2465 |
| 6 | A9N1P06D ✓ | 394 | A9N2P06D ✓ | 946 | A9N3P06D ✓ | 1550 | A9N4P06D ✓ | 2065 |
| 10 | A9N1P10D ✓ | 394 | A9N2P10D ✓ | 946 | A9N3P10D ✓ | 1550 | A9N4P10D ✓ | 2065 |
| 16 | A9N1P16D ✓ | 394 | A9N2P16D ✓ | 946 | A9N3P16D ✓ | 1550 | A9N4P16D ✓ | 2065 |
| 20 | A9N1P20D ✓ | 394 | A9N2P20D ✓ | 946 | A9N3P20D ✓ | 1550 | A9N4P20D ✓ | 2065 |
| 25 | A9N1P25D ✓ | 394 | A9N2P25D ✓ | 946 | A9N3P25D ✓ | 1550 | A9N4P25D ✓ | 2065 |
| 32 | A9N1P32D ✓ | 394 | A9N2P32D ✓ | 946 | A9N3P32D ✓ | 1550 | A9N4P32D ✓ | 2065 |
| 40 | A9N1P40D ✓ | 712 | A9N2P40D ✓ | 1540 | A9N3P40D ✓ | 2385 | A9N4P40D ✓ | 2995 |
| 50 | A9N1P50D ✓ | 712 | A9N2P50D ✓ | 1540 | A9N3P50D ✓ | 2385 | A9N4P50D ✓ | 2995 |
| 63 | A9N1P63D ✓ | 712 | A9N2P63D ✓ | 1540 | A9N3P63D ✓ | 2385 | A9N4P63D ✓ | 2995 |

Note: * Please contact nearest Schneider Electric Sales Office or Customer Care Center for coordination chart
**18mm/module

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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 LP [₹] | 2 Pole Reference | Unit LP [₹] | 3 Pole Reference | Unit LP [₹] | 4 Pole Reference | Unit LP [₹] |
|------------------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
| Module Width** | 1.5 mod | | 3 mod | | 4.5 mod | | 6 mod | |
| MOQ | 12 Nos. | | 6 Nos. | | 4 Nos. | | 3 Nos. | |
| C120N (10kA) | | | | | | | | |
| 80 | A9N18357 ✓ | 2400 | A9N18361 ✓ | 5325 | A9N18365 ✓ | 8390 | A9N18372 ✓ | 10930 |
| 100 | A9N18358 ✓ | 2695 | A9N18362 ✓ | 5680 | A9N18367 ✓ | 8940 | A9N18374 ✓ | 11395 |
| 125 | A9N18359 ✓ | 2905 | A9N18363 ✓ | 6245 | A9N18369 ✓ | 9915 | A9N18376 ✓ | 12890 |
| C120H (15kA) | | | | | | | | |
| 80 | A9N18446 | 2880 | A9N18457 | 6475 | A9N18468 | 9860 | A9N18479 | 12660 |
| 100 | A9N18447 | 3175 | A9N18458 | 6635 | A9N18469 | 10740 | A9N18480 | 13645 |
| 125 | A9N18448 | 3470 | A9N18459 | 7530 | A9N18470 | 11590 | A9N18481 | 14825 |

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 LP [₹] | Module Width 18mm/ module | 2 Pole Reference | Unit LP [₹] |
|------------------------|---------------------------|------------------|-------------|---------------------------|------------------|-------------|
| MOQ | | 12 Nos. | | | 6 Nos. | |
| C60H-DC | | | | | | |
| 0.5 | 1 | A9N61500 | 892 | 2 | A9N61520 | 1885 |
| 1 | 1 | A9N61501 ✓ | 790 | 2 | A9N61521 ✓ | 1635 |
| 2 | 1 | A9N61502 ✓ | 790 | 2 | A9N61522 ✓ | 1635 |
| 3 | 1 | A9N61503 ✓ | 790 | 2 | A9N61523 ✓ | 1635 |
| 4 | 1 | A9N61504 ✓ | 790 | 2 | A9N61524 ✓ | 1635 |
| 5 | 1 | A9N61505 | 790 | 2 | A9N61525 | 1635 |
| 6 | 1 | A9N61506 ✓ | 648 | 2 | A9N61526 ✓ | 1385 |
| 10 | 1 | A9N61508 ✓ | 648 | 2 | A9N61528 ✓ | 1385 |
| 16 | 1 | A9N61511 ✓ | 648 | 2 | A9N61531 ✓ | 1385 |
| 20 | 1 | A9N61512 ✓ | 648 | 2 | A9N61532 ✓ | 1385 |
| 25 | 1 | A9N61513 ✓ | 648 | 2 | A9N61533 ✓ | 1385 |
| 32 | 1 | A9N61515 ✓ | 648 | 2 | A9N61535 ✓ | 1385 |
| 40 | 1 | A9N61517 ✓ | 888 | 2 | A9N61537 ✓ | 1965 |
| 50 | 1 | A9N61518 ✓ | 888 | 2 | A9N61538 ✓ | 1965 |
| 63 | 1 | A9N61519 ✓ | 888 | 2 | A9N61539 ✓ | 1965 |

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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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 LP [₹] | 2 Pole Reference | Unit LP [₹] | 3 Pole Reference | Unit LP [₹] | 4 Pole Reference | Unit LP [₹] |
|------------------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
| Module Width** | 1.5 mod | | 3 mod | | 4.5 mod | | 6 mod | |

NG125N – 25kA Breaking Capacity

| | | | | | | | | |
|----|-------|---|-------|---|-------|---|-------|---|
| 10 | 18610 | * | 18621 | * | 18632 | * | 18649 | * |
| 16 | 18611 | * | 18622 | * | 18633 | * | 18650 | * |
| 20 | 18612 | * | 18623 | * | 18634 | * | 18651 | * |
| 25 | 18613 | * | 18624 | * | 18635 | * | 18652 | * |
| 32 | 18614 | * | 18625 | * | 18636 | * | 18653 | * |
| 40 | 18615 | * | 18626 | * | 18637 | * | 18654 | * |
| 50 | 18616 | * | 18627 | * | 18638 | * | 18655 | * |
| 63 | 18617 | * | 18628 | * | 18639 | * | 18656 | * |
| 80 | 18618 | * | 18629 | * | 18640 | * | 18658 | * |

NG125H – 36kA Breaking Capacity

| | | | | | | | | |
|----|-------|---|-------|---|-------|---|-------|---|
| 10 | 18705 | * | 18714 | * | 18723 | * | 18732 | * |
| 16 | 18706 | * | 18715 | * | 18724 | * | 18733 | * |
| 20 | 18707 | * | 18716 | * | 18725 | * | 18734 | * |
| 25 | 18708 | * | 18717 | * | 18726 | * | 18735 | * |
| 32 | 18709 | * | 18718 | * | 18727 | * | 18736 | * |
| 40 | 18710 | * | 18719 | * | 18728 | * | 18737 | * |
| 50 | 18711 | * | 18720 | * | 18729 | * | 18738 | * |
| 63 | 18712 | * | 18721 | * | 18730 | * | 18739 | * |
| 80 | 18713 | * | 18722 | * | 18731 | * | 18740 | * |

NG125H – 50kA Breaking Capacity

| | | | | | | | | |
|----|-------|---|-------|---|-------|---|-------|---|
| 10 | 18777 | * | 18788 | * | 18799 | * | 18810 | * |
| 16 | 18778 | * | 18789 | * | 18800 | * | 18811 | * |
| 20 | 18779 | * | 18790 | * | 18801 | * | 18812 | * |
| 25 | 18780 | * | 18791 | * | 18802 | * | 18813 | * |
| 32 | 18781 | * | 18792 | * | 18803 | * | 18814 | * |
| 40 | 18782 | * | 18793 | * | 18804 | * | 18815 | * |
| 50 | 18783 | * | 18794 | * | 18805 | * | 18816 | * |
| 63 | 18784 | * | 18795 | * | 18806 | * | 18817 | * |
| 80 | 18785 | * | 18796 | * | 18807 | * | 18818 | * |

*Price on Request – Please contact Schneider Electric Customer Care Center for Prices

**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 installations** 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:

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

* for Measures relating to Safety and Electric supply

AC Residual Current Circuit Breakers - xID



- 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 LP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit LP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|-------------|--------------------------|------------------|-------------|
| 25 | 30 | 2 | A9N16201 | 3220 | 4 | A9N16251 | 4400 |
| | 100 | 2 | A9N16203 | 3445 | 4 | A9N16253 | 4585 |
| | 300 | 2 | A9N16202 | 3550 | 4 | A9N16252 | 4725 |
| 40 | 30 | 2 | A9N16204 | 3795 | 4 | A9N16254 | 4415 |
| | 100 | 2 | A9N16205 | 4015 | 4 | A9N16255 | 4615 |
| | 300 | 2 | A9N16206 | 4130 | 4 | A9N16256 | 4795 |
| 63 | 30 | 2 | A9N16208 | 4485 | 4 | A9N16258 | 5115 |
| | 100 | 2 | A9N16209 | 4735 | 4 | A9N16259 | 5455 |
| | 300 | 2 | A9N16210 | 4830 | 4 | A9N16260 | 5480 |
| 80 | 30 | 2 | A9N16212 | 7545 | 4 | A9N16261 | 8850 |
| | 100 | 2 | A9N16213 | 7530 | 4 | A9N16262 | 8830 |
| | 300 | 2 | A9N16214 | 7670 | 4 | A9N16263 | 8880 |

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 LP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|------------|-------------|
| 4P | 100 | 30 | 4 | **A9R11491 | 10735 |
| | | 100 | 4 | **A9R12491 | 11110 |
| | 125 | 30 | 4 | 16905 | 32885 |
| | | 100 | 4 | 16906 | 33540 |
| | | 300 | 4 | 16907 | 33700 |

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

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



- 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 LP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|-----------|-------------|
| 1P+N | 6 | 30 | 2 | A9N19661 | 4670 |
| | | 300 | 2 | A9N19681 | 4830 |
| | 10 | 30 | 2 | A9N19663 | 4670 |
| | | 300 | 2 | A9N19683 | 4830 |
| | 16 | 30 | 2 | A9N19665 | 4670 |
| | | 300 | 2 | A9N19685 | 4830 |
| | 20 | 30 | 2 | A9N19666 | 4670 |
| | | 300 | 2 | A9N19686 | 4830 |
| | 25 | 30 | 2 | A9N19667 | 4670 |
| | | 300 | 2 | A9N19687 | 4830 |
| | 32 | 30 | 2 | A9N19668 | 4900 |
| | | 300 | 2 | A9N19688 | 5075 |
| | 40 | 30 | 2 | A9N19669 | 6020 |
| | | 300 | 2 | A9N19689 | 6180 |

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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

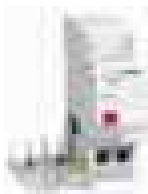
SI Type Residual Current Circuit Breakers (RCCBs) - xID SI



- 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 LP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit LP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|-------------|--------------------------|------------------|-------------|
| 25 | 30 | 2 | A9N16234 | 6970 | 4 | A9N16321 | 7770 |
| 40 | 30 | 2 | A9N16237 | 7320 | 4 | A9N16324 | 8015 |
| 63 | 30 | 2 | A9N16240 | 7530 | 4 | A9N16327 | 8225 |
| | 300 | 2 | A9N16246 | 7590 | 4 | A9N16334 | 8565 |

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 LP [₹] | Module Width 18mm/module | 4 Pole Reference | Unit LP [₹] |
|------------------------|--------------------------------|--------------------------|------------------|-------------|--------------------------|------------------|-------------|
| 25 | 30 | 1.5 | A9N26581 | 4420 | 3 | A9N26595 | 5310 |
| | 100 | 1.5 | A9N26582 | 5525 | 3 | A9N26596 | 5730 |
| | 300 | 1.5 | A9N26583 | 5695 | 3 | A9N26597 | 5900 |
| 63 | 30 | 2 | A9N26611 | 6190 | 3.5 | A9N26643 | 6505 |
| | 100 | 2 | A9N26612 | 6435 | 3.5 | A9N26644 | 6635 |
| | 300 | 2 | A9N26613 | 6565 | 3.5 | A9N26645 | 6765 |

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

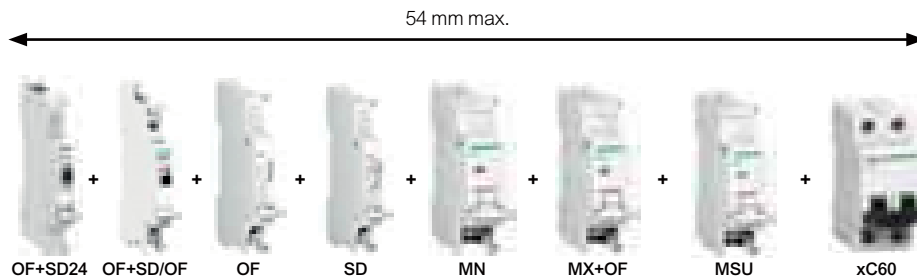
| Poles Description | [In] Rated Current (A) | Earth-Leakage Sensitivity (mA) | Module Width 18mm/module | Reference | Unit LP [₹] |
|-------------------|------------------------|--------------------------------|--------------------------|-----------|-------------|
| 1P+N | 6 | 30 | 2 | A9N19631 | 8950 |
| | | 300 | 2 | A9N19641 | 9475 |
| | 10 | 30 | 2 | A9N19632 | 8950 |
| | | 300 | 2 | A9N19642 | 9475 |
| | 16 | 30 | 2 | A9N19634 | 8950 |
| | | 300 | 2 | A9N19644 | 9475 |
| | 20 | 30 | 2 | A9N19635 | 8950 |
| | | 300 | 2 | A9N19645 | 9475 |
| | 25 | 30 | 2 | A9N19636 | 8950 |
| | | 300 | 2 | A9N19646 | 9475 |
| | 32 | 30 | 2 | A9N19637 | 9455 |
| | | 300 | 2 | A9N19647 | 11545 |
| | 40 | 30 | 2 | A9N19638 | 11220 |
| | | 300 | 2 | A9N19648 | 12485 |

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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

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 18mm/module | Reference | Unit LP [₹] |
|---|-----------------------------|-----------|-------------|
| Indication Auxiliaries | | | |
| OF Auxiliary Switch: for ON/OFF indications | 0.5 | A9N26924 | 912 |
| SD Alarm Switch: for Trip on fault indications | 0.5 | A9N26927 | 1070 |
| OF + SD/OF Auxiliary switch | 0.5 | A9N26929 | 2850 |
| OF+SD24 auxiliary contact (ComReady) | 0.5 | A9N26899 | 2390 |
| Protection Auxiliaries – Trip Indication on front face | | | |
| MN Under-voltage Release 220-240V AC | 1 | A9N26960 | 3100 |
| MSU Over-voltage Release 275V AC | 1 | A9N26500 | 4545 |
| Tripping Auxiliaries – Trip Indication on front face | | | |
| MX + OF Shunt Release 110-415V AC: for Remote tripping of Circuit Breaker | 1 | A9N26946 | 2495 |
| MX + OF Shunt Release 12-24V AC/DC: for Remote tripping of Circuit Breaker | 1 | A9N26948 | 2495 |
| Auxiliary Switch for RCCBs – Mandatory for use of Auxiliaries with RCCBs | | | |
| Auxiliary switch for RCCB up to 80A (OF-S) | 0.5 | A9N26923 | 1215 |
| Auxiliary switch for RCCBs 125A (OFSP) | 0.5 | 16940 | 1850 |

Accessories



| Type | Description | Reference | Unit LP [₹] |
|---------------------------|---------------------------------|-----------|-------------|
| Rotary Handle* | Breaker Switching Sub-Assembly | 27046 | 3405 |
| | Extended, Disconnectable handle | 27047 | 2105 |
| Padlock** (bag of 2) | | 26970 | 818 |
| Aluminum cable terminal** | | 27060 | 496 |
| Spacer | | A9N27062 | 208 |

* 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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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

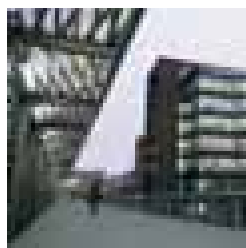
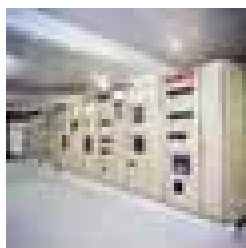
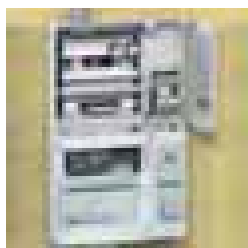
Continuity of service and certified safety

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

Compliance with standards: IEC/EN 61643-11.

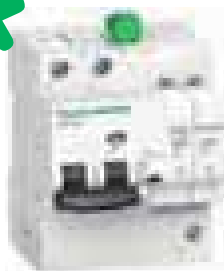


More and more electrical equipment today is sensitive to overvoltages caused by lightning.



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.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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 18mm/module | Reference | Unit LP [₹] |
|----------|------------------|-----------------------------|-----------|-------------|
| PRD1 25r | 1P | 2 | 16329 | 12385 |
| | 1P + N | 4 | 16330 | 27245 |
| | 3P | 6 | 16331 | 40860 |
| | 3P + N | 8 | 16332 | 50765 |

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 18mm/module | Reference | Unit LP [₹] |
|---------|-------------------|------------------|-----------------------------|-----------|-------------|
| iPRD8 | 230 | 1P | 1 | A9L08100 | 3840 |
| | 230 | 1P+N | 2 | A9L08500 | 7185 |
| | 230/400 | 3P | 3 | A9L08300 | 9700 |
| | 230/400 | 3P+N | 4 | A9L08600 | 14650 |
| iPRD8r | 230 | 1P+N | 2 | A9L08501 | 8615 |
| | 230/400 | 3P+N | 4 | A9L08601 | 17580 |
| | 230 | 1P | 1 | A9L20100 | 4310 |
| iPRD20 | 230 | 1P+N | 2 | A9L20500 | 9035 |
| | 230/400 | 3P | 3 | A9L20300 | 11570 |
| | 230/400 | 3P+N | 4 | A9L20600 | 16675 |
| iPRD20r | 230 | 1P+N | 2 | A9L20501 | 10745 |
| | 230/400 | 3P+N | 4 | A9L20601 | 20005 |
| | 230 | 1P | 1 | A9L40100 | 5090 |
| iPRD40 | 230 | 1P+N | 2 | A9L40500 | 10405 |
| | 230/400 | 3P | 3 | A9L40300 | 14945 |
| | 230/400 | 3P+N | 4 | A9L40600 | 20845 |
| iPRD40r | 230 | 1P | 1 | A9L40101 | 6105 |
| | 230 | 1P+N | 2 | A9L40501 | 13420 |
| | 230/400 | 3P | 3 | A9L40301 | 20120 |
| iPRD65r | 230/400 | 3P+N | 4 | A9L40601 | 25010 |
| | 230 | 1P | 1 | A9L65101 | 8165 |
| | 230 | 1P+N | 2 | A9L65501 | 17105 |
| iPRD65r | 230/400 | 3P | 3 | A9L65301 | 22325 |
| | 230/400 | 3P+N | 4 | A9L65601 | 28970 |

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 for | Reference | Unit LP [₹] |
|--------------|---------------------------|-----------|-------------|
| iPRD 65-350 | iPRD65r | A9L65102 | 5110 |
| iPRD 40-350 | iPRD40, iPRD40r | A9L40102 | 3930 |
| iPRD 20-350 | iPRD20, iPRD20r | A9L20102 | 3145 |
| iPRD 8-350 | iPRD8, iPRD8r | A9L08102 | 2755 |
| iPRD Neutral | All products (1P+N, 3P+N) | A9L00002 | 4135 |

**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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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 18mm/module | Reference | Unit LP [₹] |
|----------------|------------------|-----------------------------|-----------|-------------|
| iQuick PRD 8r | 1P+N | 4 | A9L16298 | 10380 |
| | 3P | 6.5 | A9L16299 | 15250 |
| | 3P+N | 7.5 | A9L16300 | 18980 |
| iQuick PRD 20r | 1P+N | 4 | A9L16295 | 12450 |
| | 3P | 6.5 | A9L16296 | 18305 |
| | 3P+N | 7.5 | A9L16297 | 22775 |
| Quick PRD 40r | 1P+N | 4 | A9L16292 | 14540 |
| | 3P | 6.5 | A9L16293 | 21790 |
| | 3P+N | 7.5 | A9L16294 | 27080 |

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 18mm/module | Reference | Unit LP [₹] |
|----------|---------------------------------------|-----------------------------|-----------|-------------|
| iPRD 40r | 800 | 3 | A9L40271 | 8565 |
| | 1000 | 3 | A9L40281 | 9785 |

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

Surge Arresters for Communication Networks



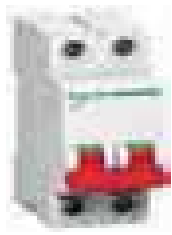
- Analogue telephone line protection: iPRC surge arrester wired in series to the private installation input, protects the telephones, the modems (including ADSL) etc
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential
- iPRI protects measuring instrument 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 18mm/module | Reference | Unit LP [₹] |
|------|------------------------------|-----------------------------|-----------|-------------|
| PRI | 48 V DC | 1 | A9L16339 | 14770 |
| PRC | 130 V AC | 1 | A9L16337 | 9035 |

Note: For all above Reference MOQ = 1

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

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 18mm/module | MOQ | Reference | Unit LP [₹] |
|-------------------|------------------------|-----------------------------|-----|-----------|-------------|
| 2 | 40 | 2 | 6 | A9S2P040 | 554 |
| | 63 | 2 | 6 | A9S2P063 | 732 |
| | 80 | 2 | 6 | A9S2P080 | 880 |
| | 100 | 2 | 6 | A9S2P100 | 1275 |
| | 125 | 2 | 6 | A9S2P125 | 1315 |
| 3 | 40 | 3 | 4 | A9S3P040 | 974 |
| | 63 | 3 | 4 | A9S3P063 | 1140 |
| 4 | 40 | 4 | 3 | A9S4P040 | 1230 |
| | 63 | 4 | 3 | A9S4P063 | 1345 |
| | 80 | 4 | 3 | A9S4P080 | 1785 |
| | 100 | 4 | 3 | A9S4P100 | 2005 |
| | 125 | 4 | 3 | A9S4P125 | 2170 |

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 18mm/module | MOQ | Reference | Unit LP [₹] |
|------------------|-------------------|-----------|-----------------------------|-----|-----------|-------------|
| 2 | 1 | 1 C/O | 1 | 12 | A9E18070 | 1145 |
| | 2 | 2 C/O | 2 | 6 | A9E18071 | 1580 |
| | | 1NO + 1NC | 1 | 12 | A9E18072 | 918 |
| 3 | 1 | 1 C/O | 1 | 12 | A9E18073 | 1125 |
| | 2 | 2 C/O | 2 | 6 | A9E18074 | 1905 |

iRO Buzzers



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

| Voltage | Module Width 18mm/module | Reference | Unit LP [₹] |
|-----------|-----------------------------|-----------|-------------|
| 230V AC | 1 | A9A15322 | 972 |
| 8..12V AC | 1 | A9A15323 | 814 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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 18mm/module | Reference | Unit LP (₹) |
|------|------------|-----------------|-----------------------------|-----------|-------------|
| 1P | 25 | 1NO | 1 | A9C20731 | 1775 |
| | 16 | 2NO | 1 | A9C22712 | 1825 |
| 2P | 25 | 2NO | 1 | A9C20732 | 2185 |
| | 40 | 2NO | 2 | A9C20842 | 3740 |
| | 63 | 2NO | 2 | A9C20862 | 4780 |
| 3P | 25 | 3NO | 2 | A9C20833 | 2770 |
| | 40 | 3NO | 2 | A9C20843 | 6255 |
| | 63 | 3NO | 3 | A9C20863 | 6800 |
| 4P | 25 | 4NO | 2 | A9C20834 | 2945 |
| | 40 | 4NO | 2 | A9C20844 | 6380 |
| | 63 | 4NO | 3 | A9C20864 | 7690 |
| | 63 | 2NO + 2NC | 3 | A9C20868 | 7690 |

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 LP (₹) |
|------|------------|-----------------|-----------------|--------------|-------------------------|-------------|
| 1P | 16 | 230-240 VAC | 1NO | 1 | A9C30811 | 1145 |
| | 32 | 230-240 VAC | 1NO | 1 | A9C30831 | 1440 |
| 2P | 16 | 230-240 VAC | 2NO | 1 | A9C30812 | 1885 |
| | 32 | 230-240 VAC | 2NO | 1 | A9C30831 + A9C32836 | 4470 |
| 3P | 16 | 230-240 VAC | 1NO+1NO/NC+1NO | 2 | A9C30811 + A9C32816 | 3575 |
| | 32 | 230-240 VAC | 1NO+1NO/NC+1NO | 2 | A9C30831 + 2 x A9C32836 | 4470 |
| 4P | 16 | 230-240 VAC | 4NO | 2 | A9C30814 | 3910 |
| | 32 | 230-240 VAC | 4NO | 2 | A9C30831 + 3 x A9C32836 | 4470 |

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 18mm/module | Reference | Unit LP (₹) |
|--------------------------------|-------------|-----------------------------|-----------|-------------|
| Single Indicator light | Red | 1 | A9E18320 | 1075 |
| | Green | 1 | A9E18321 | 1075 |
| | Blue | 1 | A9E18323 | 1075 |
| | Orange | 1 | A9E18324 | 1075 |
| 3 phase voltage presence light | Red/Red/Red | 1 | A9E18327 | 2695 |
| Single Push Button (1 NO+ 1NC) | Grey | 1 | A9E18033 | 1600 |

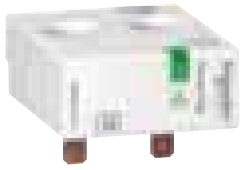
Note: For all above Reference MOQ = 1

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

PowerTag - World's smallest energy sensor



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

| Description | Part no. | Unit LP [₹] |
|--------------------|-----------|-------------|
| PowerTag 1P | A9MEM1520 | 7145 |
| PowerTag 1P+N Up | A9MEM1521 | 7145 |
| PowerTag 1P+N Down | A9MEM1522 | 7145 |
| PowerTag 3P | A9MEM1540 | 14285 |
| PowerTag 3P+N Up | A9MEM1541 | 14285 |
| PowerTag 3P+N Down | A9MEM1542 | 14285 |

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 LP [₹] |
|------------------|-----------|-------------|
| Smartlink Modbus | A9XMSB11 | 33170 |
| Smartlink IP | A9XMEA08 | 36955 |
| Smartlink SI-B | A9XMZA08 | 38805 |
| Smartlink SI-D | A9XMWA20 | 19950 |

Communication Auxiliaries



Auxiliary for Protection Devices (OF+SD24)



Auxiliary for Contactors (iACT24)



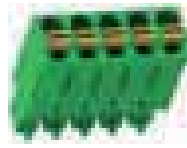
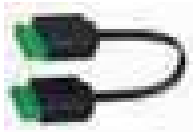
Auxiliary for Impulse Relays (iATL24)

| Description | Module Width | Reference | Unit LP [₹] |
|-------------|--------------|-----------|-------------|
| OF+SD24 | 0.5 | A9N26899 | 2390 |
| iACT24 | 1 | A9C15924 | 11900 |
| iATL24 | 1 | A9C15424 | 12530 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



| Description | Set of | Reference | Unit LP [₹] |
|---|--------|--------------|-------------|
| Prefabricated Cables: | | | |
| With 2 Connectors | | | |
| Short: 100mm | 6 | A9XCAS06 | 4840 |
| Medium: 160mm | 6 | A9XCAM06 | 4890 |
| Long: 870mm | 6 | A9XCAL06 | 5560 |
| With 1 Connector | | | |
| Long:870mm | 6 | A9XCAU06 | 3340 |
| Connectors | | | |
| 5-pin connectors (Ti24) | 12 | A9XC2412 | 6735 |
| Mounting Kit | | | |
| Din Rail (4 feet, 4 Straps, 4 Adapters) | 1 | A9XMFA04 | 1320 |
| Multiclip | | | |
| Multiclip 80A | 1 | 4000 | 8100 |
| Spare Parts | | | |
| Lock for Multiclip 80A (2 clips) | 1 | A9XMLA02 | 402 |
| Distribloc 63A | | | |
| Distribution from the top (4 Module) | 1 | 4040 | 9225 |
| Distribution through the bottom (4 Module) | 1 | 4041 | 9225 |
| Power Logic EGX300 - Ethernet port (4 Module) | 1 | 30002885 | 28213 |
| ABL Power Supply - 1.2A 24VDC | 1 | ABL8MEM24012 | 6400 |
| ABL Power Supply - 0.6A 24VDC | 1 | ABL8MEM24006 | 4700 |
| Double DIN rail | 1 | LSL58801A | 725 |

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 LP [₹] | 3 Pole Reference | Unit LP [₹] | 4 Pole Reference | Unit LP [₹] |
|------------------------|------------------|-------------|------------------|-------------|------------------|-------------|
| Module Width ** | 4.5 mod | | 5.5 mod | | 6.5 mod | 2275 |
| B Curve | | | | | | |
| 10 | A9C61210 | 32740 | A9C61310 | 35235 | A9C61410 | 36655 |
| 16 | A9C61216 | 32760 | A9C61316 | 35265 | A9C61416 | 36705 |
| 25 | A9C61225 | 32795 | A9C61325 | 35335 | A9C61425 | 36775 |
| 40 | A9C61240 | 34855 | A9C61340 | 38400 | A9C61440 | 40875 |
| 63 | A9C61263 | 36060 | A9C61363 | 39150 | A9C61463 | 41135 |
| C Curve | | | | | | |
| 10 | A9C62210 | 32745 | A9C62310 | 35240 | A9C62410 | 36670 |
| 16 | A9C62216 | 32760 | A9C62316 | 35265 | A9C62416 | 36705 |
| 25 | A9C62225 | 32795 | A9C62325 | 35320 | A9C62425 | 36780 |
| 40 | A9C62240 | 34865 | A9C62340 | 38420 | A9C62440 | 40900 |
| 63 | A9C62263 | 36055 | A9C62363 | 39150 | A9C62463 | 41140 |
| D Curve | | | | | | |
| 10 | A9C63210 | 32745 | A9C63310 | 35240 | A9C63410 | 36670 |
| 16 | A9C63216 | 32760 | A9C63316 | 35260 | A9C63416 | 36705 |
| 25 | A9C63225 | 32795 | A9C63325 | 35335 | A9C63425 | 36780 |

Note: **18mm/module

LP: List 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. March 12, 2018

Energy Meters



- Digital Kilowatt-hour meters designed for sub-metering of active energy (rms) consumed by a single-phase or three-phase electric circuit with or without distributed neutral
- ComReady DB mountable version
- Accuracy class-1
- No External CT required

| Description | Reference | Unit LP [₹] |
|---|------------|-------------|
| iEM 2000T 1Ph Energy Meter upto 40A, POP w/o Display | A9MEM2000T | 4487 |
| iEM3110 3 Phase Energy Meter Energy Meter with POP Accuracy CL 1.0 | A9MEM3110 | 10817 |
| iEM3150 3 Phase Energy Meter Energy Meter with V,I,Power, Accuracy CL 1.0, with Modbus | A9MEM3150 | 11816 |
| iEM3155 Multifunction 3 Phase Energy Meter with V,I,F,PF,Power, Energy,1DI/1DO, Multi Tariff, with Modbus Accuracy CL 1.0 | A9MEM3155 | 12519 |

Note: For Higher Currents /Loads , Select iEM32 Series , CT Operated , Accuracy CL 0.5S

Acti 9

Distribution Boards

Spectacular Design

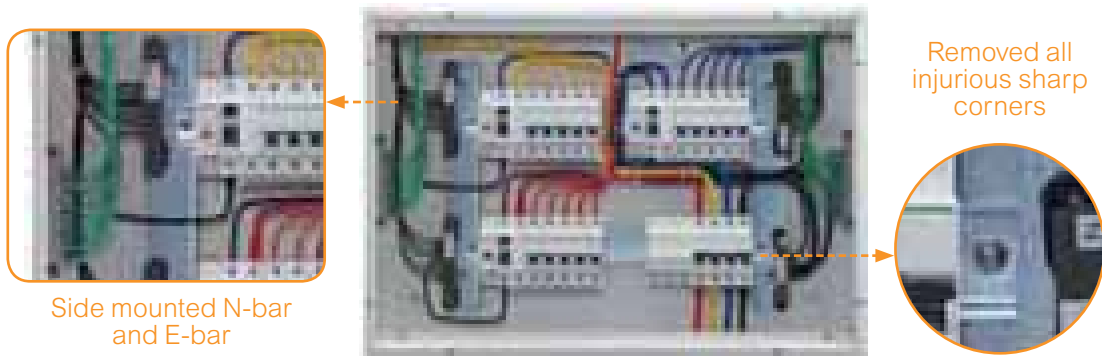
Blends seamlessly with interiors



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

Maximized Wiring Space

Convenient and Safe wiring



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

Adaptable

Total Flexibility for ease of installation and usage



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

Technically Proven

Safety Guaranteed

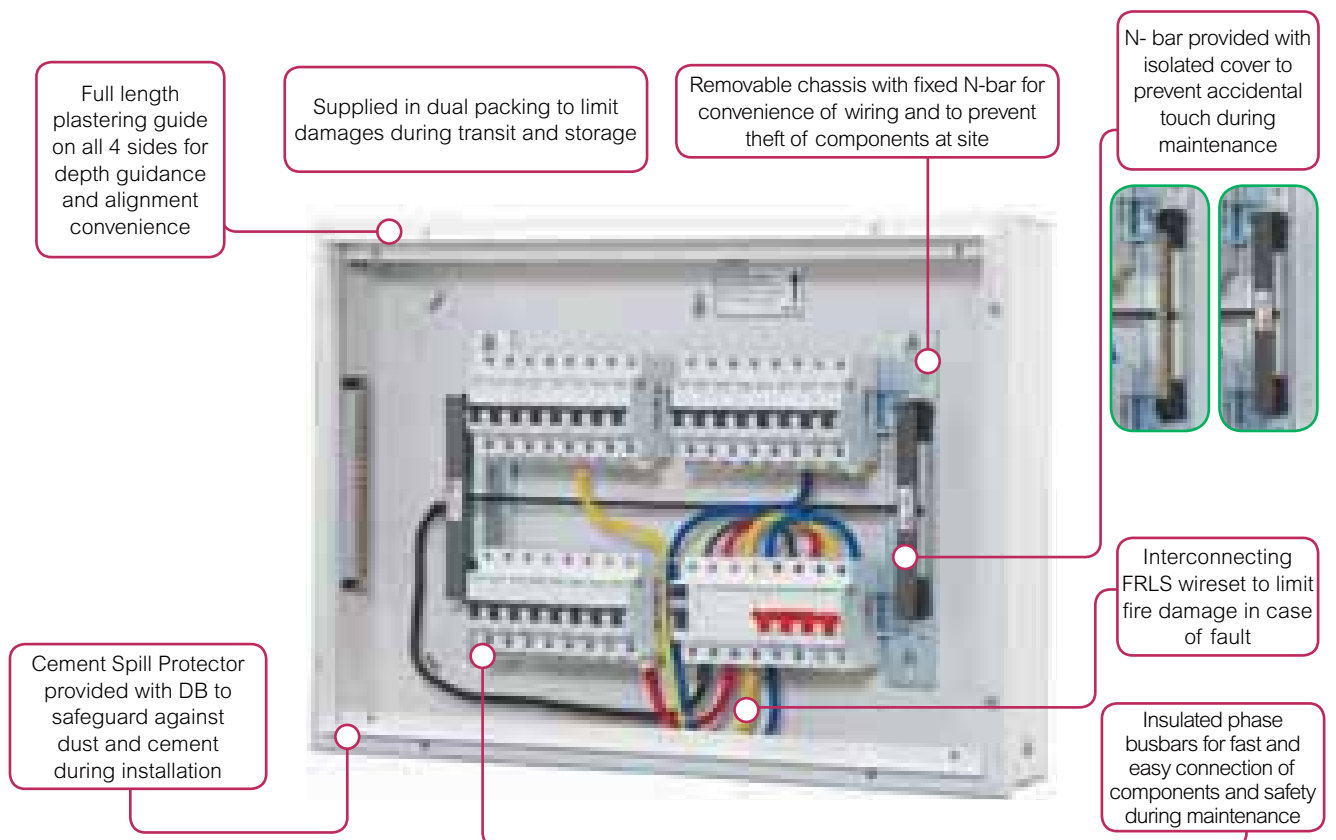
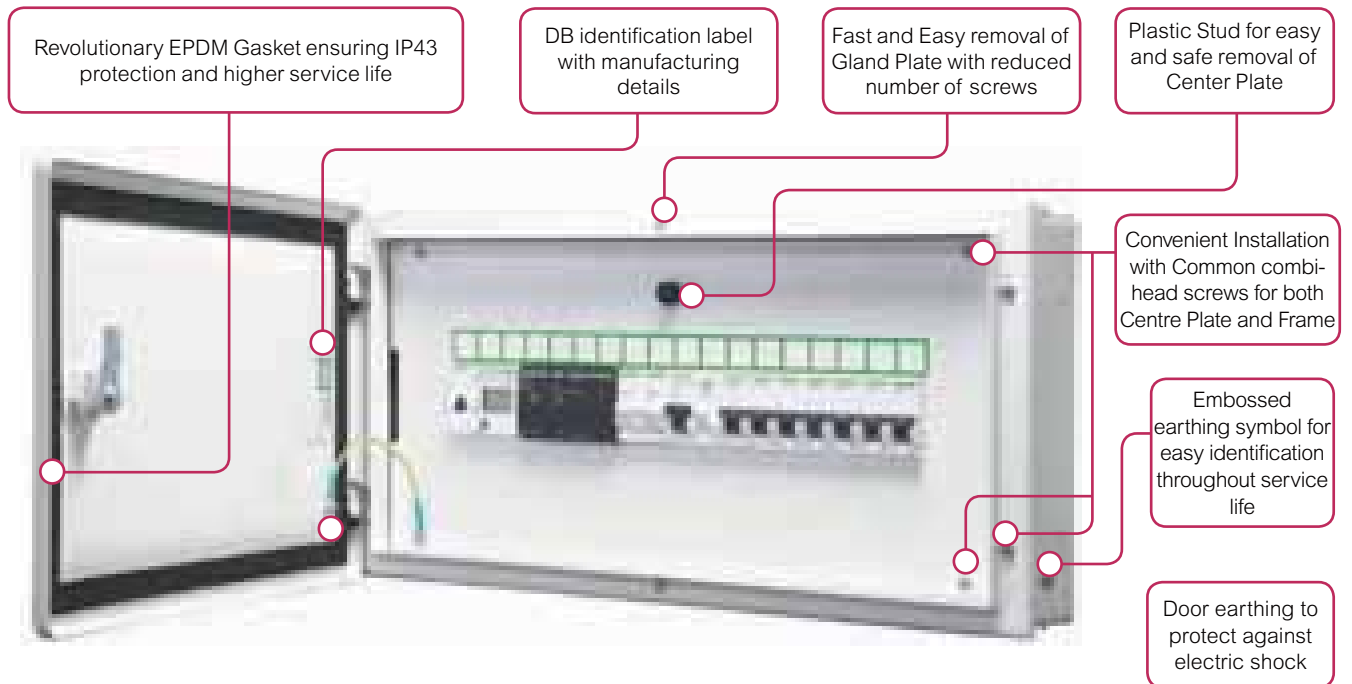


Designed and Manufactured as per IS 8623 - 1&3 | IP and IK test by ERDA & CPRI | Glow wire tested



Acti 9

Distribution Boards



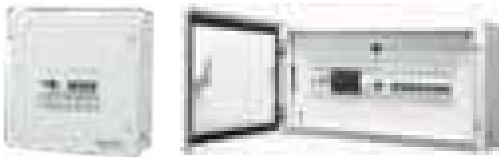
Metal Enclosures



- 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 [₹] | Double Door Metal (IP43) Reference | Unit LP [₹] |
|-------------|---------------------|--|--------------|------------------------------------|-------------|
| 2 way | 1 / 2 | A9HMES02 <input checked="" type="checkbox"/> | 684 | - | - |
| 4 way | 3 / 4 | A9HMES04 <input checked="" type="checkbox"/> | 684 | - | - |

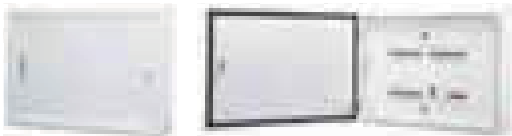
SPN DBs



- 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 LP [₹] |
|-------------|--|--|--------------|--|-------------|
| 6 way | 6 | A9HSNS06 | 1330 | A9HSND06 <input checked="" type="checkbox"/> | 1910 |
| 8 way | 8 | A9HSNS08 <input checked="" type="checkbox"/> | 1650 | A9HSND08 <input checked="" type="checkbox"/> | 2185 |
| 12 way | 12 | A9HSNS12 | 1955 | A9HSND12 <input checked="" type="checkbox"/> | 2625 |
| 18 way | 18 | A9HSNS18 | 2575 | A9HSND18 <input checked="" type="checkbox"/> | 3365 |

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"/> | 4100 |
| 4 way | 8 + 12 | A9HTNS04 | 3630 | A9HTND04 <input checked="" type="checkbox"/> | 4305 |
| 6 way | 8 + 18 | A9HTNS06 | 4475 | A9HTND06 <input checked="" type="checkbox"/> | 5305 |
| 8 way | 8 + 24 | A9HTNS08 | 5260 | A9HTND08 <input checked="" type="checkbox"/> | 6370 |
| 12 way | 8 + 36 | A9HTNS12 | 7795 | A9HTND12 <input checked="" type="checkbox"/> | 9555 |

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 LP [₹] |
|-------------------|--|------------------------------|--------------|--|-------------|
| 2 Tier 24 Modules | 2 x 12 | - | - | A9HFD224 | 5405 |
| 3 Tier 36 Modules | 3 x 12 | - | - | A9HFD336 | 6495 |
| 4 Tier 40 Modules | 4 x 10 | - | - | A9HFD440 <input checked="" type="checkbox"/> | 6865 |
| 4 Tier 56 Modules | 4 x 14 | - | - | A9HFD456 <input checked="" type="checkbox"/> | 7175 |

Note: For all above Reference MOQ = 1

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

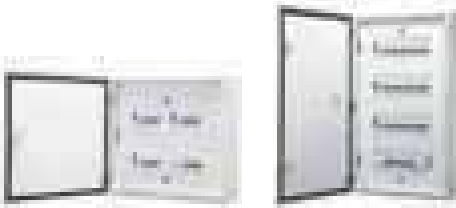
W.E.F. March 12, 2018

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 LP [₹] |
|-------------|--|------------------------------|--------------|------------------------------------|-------------|
| 12 way | 100A MCCB + 6 + 36 | - | - | A9HPID12M | 14310 |

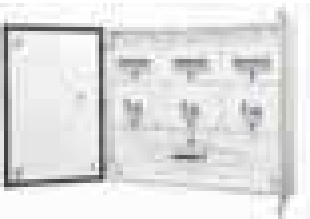
PPI Kit (to convert TPN and Flexi Tier DBs to PPI DB)



- 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 | Reference | Unit LP [₹] |
|--|--|-------------|
| PPI Kit for 6way TPN DB (2+4w PPI DB) | A9HKIT04 <input checked="" type="checkbox"/> | 2780 |
| PPI Kit for 8way TPN DB (2+6w PPI DB) | A9HKIT06 <input checked="" type="checkbox"/> | 3255 |
| PPI Kit for 12way TPN DB (2+10w PPI DB) | A9HKIT10 <input checked="" type="checkbox"/> | 3590 |
| PPI Kit for 4T40M Flexi DB (2+8w PPI DB) | A9HKIT08 <input checked="" type="checkbox"/> | 5765 |
| PPI Kit for 4T56M Flx DB (2+12w PPI DB) | A9HKIT12 <input checked="" type="checkbox"/> | 6380 |

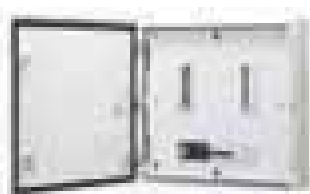
Phase Segregated DBs



- 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

| Description | Total Module Cutout (Incomer + Sub-incomer + Outgoing) | Single Door (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference | Unit LP [₹] |
|----------------------|--|------------------------------|--------------|--|-------------|
| 6 way | 8 + 12 + 18 | - | - | A9HPGD06 <input checked="" type="checkbox"/> | 12710 |
| 8 way | 8 + 12 + 24 | - | - | A9HPGD08 <input checked="" type="checkbox"/> | 14195 |
| 12 way | 8 + 12 + 36 | - | - | A9HPGD12 | 17820 |
| 12 way with MCCB I/c | 100A MCCB + 12 + 36 | - | - | A9HPGD12M | 24050 |

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

| Description | Total Module Cutout (Incomer + Outgoing) | Single Door (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference | Unit LP [₹] |
|-------------|--|------------------------------|--------------|--|-------------|
| 4 way | 8 + 12 | - | - | A9HVTD04 <input checked="" type="checkbox"/> | 10655 |
| 8 way | 8 + 24 | - | - | A9HVTD08 <input checked="" type="checkbox"/> | 13555 |
| 12 way | 8 + 36 | - | - | A9HVTD12 <input checked="" type="checkbox"/> | 18145 |

Note: For all above Reference MOQ = 1

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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

| Description | Total Module Cutout (Incomer + Outgoing) | Single Door (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference | Unit LP [₹] |
|-------------|--|------------------------------|--------------|------------------------------------|-------------|
| 4 way | 100A MCCB + 12 | - | - | A9HVD04L | 11670 |
| 8 way | 100A MCCB + 24 | - | - | A9HVD08L | 14790 |
| 12 way | 100A MCCB + 36 | - | - | A9HVD12L | 19670 |
| 4 way | 160A MCCB + 12 | - | - | A9HVD04M | 12845 |
| 8 way | 160A MCCB + 24 | - | - | A9HVD08M | 16005 |
| 12 way | 160A MCCB + 36 | - | - | A9HVD12M | 21365 |
| 8 way | 250A MCCB + 24 | - | - | A9HVD08H | 27665 |
| 12 way | 250A MCCB + 36 | - | - | A9HVD12H | 29165 |

ComReady DBs



- Designed to house Acti 9 communication system
- Supplied with Double DIN rail, E-Bar and Wire channel.
- Accessories to convert Flexi Tier DB into ComReady DB available on request

| Description | Total Module Cutout (Incomer + Outgoing) | Single Door (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference | Unit LP [₹] |
|-------------------|--|------------------------------|--------------|------------------------------------|-------------|
| 1 Tier 24 Modules | 24 | - | - | A9HCRD124 | 7235 |
| 2 Tier 48 Modules | 48 | - | - | A9HCRD248 | 11725 |

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 (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference | Unit LP [₹] |
|----------------|---------------------|------------------------------|--------------|------------------------------------|-------------|
| 10A 1P+N+E P&S | 2 | A9HMS210 | 1750 | - | - |
| 20A 1P+N+E P&S | 2 | A9HMS220 | 1875 | - | - |
| 30A 3P+E P&S | 3 | A9HMS330 | 4105 | - | - |

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 (IP30) Reference | Unit MRP [₹] | Double Door Metal (IP43) Reference | Unit LP [₹] |
|---------------|---------------------|------------------------------|--------------|------------------------------------|-------------|
| 16A 3P PK P&S | 2 | A9HKS316 | 1615 | - | - |
| 32A 3P PK P&S | 2 | A9HKS332 | 2675 | - | - |
| 32A 5P PK P&S | 4 | A9HKS532 | 3170 | - | - |
| 63A 5P PK P&S | 4 | A9HKS563 | 6405 | - | - |

*upto 32A socket only

Note: For all above Reference MOQ = 1

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Locks for Acti 9 DBs



Key Lock

| Description | Reference | Unit LP [₹] |
|-------------|-----------|-------------|
| Rotary lock | A9HRL801 | 438 |
| Key Lock | A9HRL802 | 522 |

Accessories for Distribution Boards

| Description | Reference | Unit LP [₹] |
|-----------------------------|-----------|-------------|
| Busbars | | |
| Fork Busbar 1P 12MOD. 63A | R9XFH112 | 568 |
| Fork Busbar 1P 57MOD. 63A | R9XFH157 | 1295 |
| Fork Busbar 2P 12MOD. 63A | R9XFH212 | 668 |
| Fork Busbar 2P 57MOD. 63A | R9XFH257 | 2485 |
| Fork Busbar 3P 12MOD. 63A | R9XFH312 | 998 |
| Fork Busbar 3P 57MOD. 63A | R9XFH357 | 5435 |
| Fork Busbar 4P 12MOD. 63A | R9XFH412 | 1295 |
| Fork Busbar 4P 57MOD. 63A | R9XFH457 | 5695 |
| Busbar Accessories | | |
| Set of 10 End Caps 1P | R9XE110 | 490 |
| Set of 10 End Caps 2P | R9XE210 | 490 |
| Set of 10 End Caps 3P | R9XE310 | 594 |
| Set of 10 End Caps 4P | R9XE410 | 616 |
| Set of 4 Connector Fork 63A | R9XFC04 | 472 |
| Set of 20 Tooth Caps | R9XT20 | 760 |
| Blanking Plate | 13229B | 28 |

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
- IP54/55 DBs
- DBs with Phase Indication Lamps

Acti 9K NEW



- Superior finish to blend with common wall shades
- Ergonomic door knob
- Tested as per IEC 61439 at NABL Accredited Labs
- Flexible installation and reversible door
- Comprehensive offer

| Product Ref No. (Min 3, Max 18 characters) (Mandatory) | Short Product Description (Max 40 characters) (Mandatory) | Unit LP [₹] |
|---|--|-------------|
| A9KESNS04 | Acti 9K DB 4 way SPN Single Door | 916 |
| A9KESNS06 | Acti 9K DB 6 way SPN Single Door | 1130 |
| A9KESNS08 | Acti 9K DB 8 way SPN Single Door | 1220 |
| A9KESNS12 | Acti 9K DB 12 way SPN Single Door | 1512 |
| A9KESND04 | Acti 9K DB 4 way SPN Double Door | 1486 |
| A9KESND06 | Acti 9K DB 6 way SPN Double Door | 1581 |
| A9KESND08 | Acti 9K DB 8 way SPN Double Door | 1806 |
| A9KESND12 | Acti 9K DB 12 way SPN Double Door | 2172 |
| A9KESND16 | Acti 9K DB 16 way SPN Double Door | 2785 |
| A9KETNS04 | Acti 9K DB 4 way TPN Single Door | 2825 |
| A9KETNS06 | Acti 9K DB 6 way TPN Single Door | 3485 |
| A9KETNS08 | Acti 9K DB 8 way TPN Single Door | 4092 |
| A9KETND04E | Acti 9K DB TPN 4 way Double Door 4-mod I/C | 3205 |
| A9KETND04 | Acti 9K DB TPN 4 way Double Door | 3562 |
| A9KETND06 | Acti 9K DB TPN 6 way Double Door | 4386 |
| A9KETND08 | Acti 9K DB TPN 8 way Double Door | 5266 |
| A9KETND12 | Acti 9K DB TPN 12 way Double Door | 7901 |

*Please contact nearest Schneider Electric Sales Office for Drawings, Reference and Prices

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

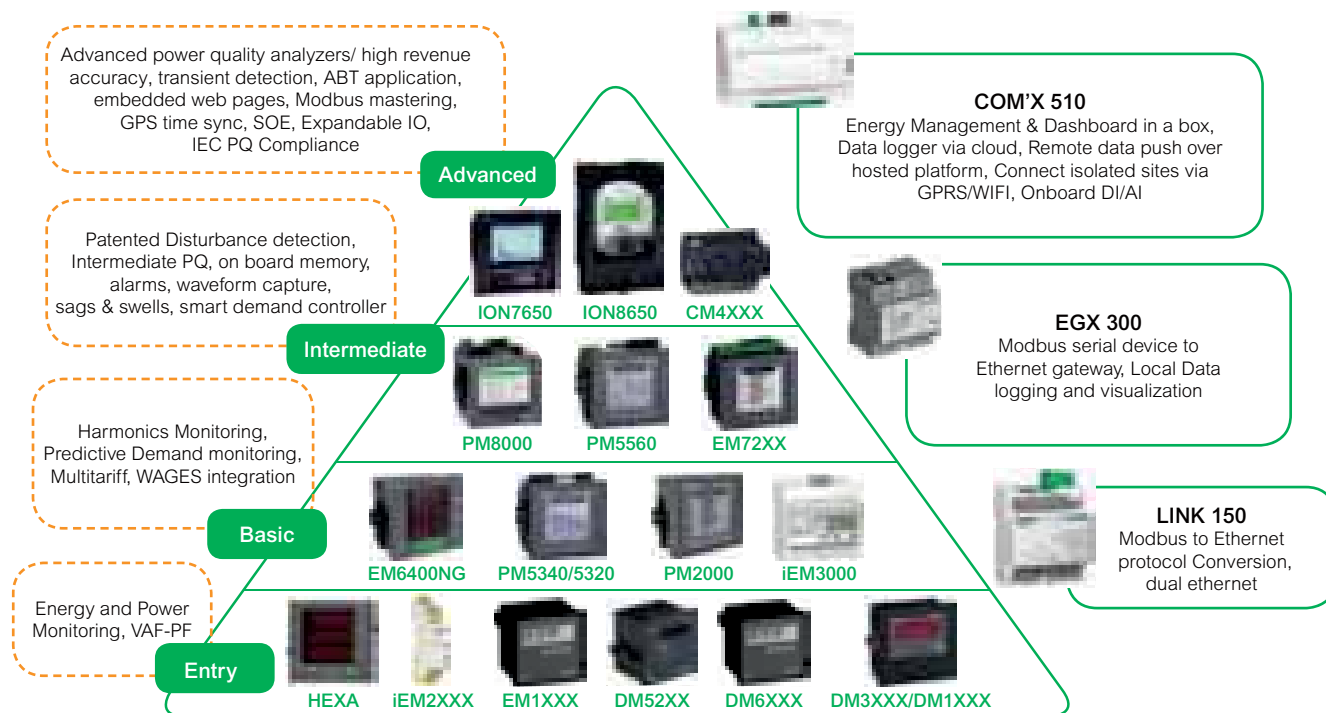
W.E.F. March 12, 2018



EcoStruxure™ Facility Expert- Onsite (FXO)

Your first step towards Energy Management

Discover Our Power Monitoring Solutions



✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Monitoring Expert

Delivers superior power and energy management to meet your toughest demands

Drive performance with the next generation in power and energy management

Managing a complex facility with critical power assets and high-energy consumption is challenging. You need access to real-time monitoring data, alarming, and power quality analysis to help you avoid critical conditions that can cause equipment failures and downtime. You also need a robust set of energy analytics tools to manage your energy efficiency and sustainability programs. StruxureWare™ Power Monitoring Expert is a complete, interoperable, and scalable power management software solution that enables you to optimize your power distribution infrastructure, maximize operational efficiency, and improve your bottom-line performance. This solution will help you:

- Maximize facility uptime and reliability
- Examine and mitigate power quality related issues
- Find new ways to extend equipment performance and life span
- Track energy consumption, uncover savings opportunities and accurately allocate costs
- Enable compliance with power quality and energy standards such as IEC/IEEE and ISO50001

Power Monitoring Expert also features segment-specific solutions for data centers, healthcare, and buildings, delivering pre-engineered functionality customized to meet your needs.



Manage power quality, availability, and reliability

Optimize use of your electrical and infrastructure assets

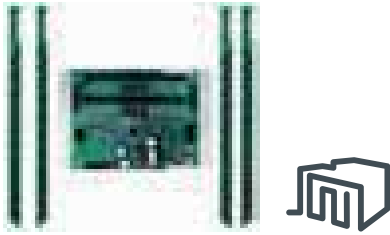
Drive energy efficiency initiatives and improve financial performance

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1. Tailored Offers for Specific Applications and Segments

Branch Circuit Power Monitor

*Price on Request



- > BCPM A/B/C variants
- > Split or solid core CTs
- > 24 / 36 / 42 / 48 / 72 / 84 channels configuration

1.1 BCPM

The BCPM Provides DataCenter 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

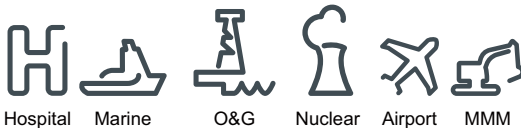
Level 1 : fault detection and signalling, manual fault location (all IMDs)

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

CM4000

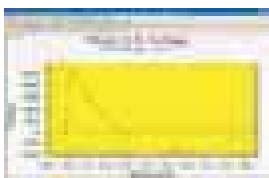
*Price on Request

High Performance Meters for Mains or Critical Loads on HV/LV Networks - PowerLogic CM4000T

The CM4000T circuit monitors deliver the information needed to improve power system reliability and minimize unplanned downtime.

The circuit monitors provide accurate and fast alarm detection and multiple levels of information on each power quality event to help you pinpoint the source of a problem, including:

- > 100,000 samples per cycle at 50 Hz for high-speed transient detection to help quantify the frequency and severity of transient activity including magnitude, duration, phase, and stress factor
- > Power quality and alarm summary and trending
- > Disturbance direction detection
- > Harmonic power flows
- > Flicker monitoring
- > Four types of waveform capture
- > 100 ms and cycle-by-cycle event recording capacitor switching transients and sub-cycle transfer switch operations, non-periodic notching of the waveform & loads turning on or off
- > EN50160 compliance monitoring



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Introducing the world's most accurate Revenue meter with DLMS

DLMS

PowerLogic™ ION8650-DLMS
Next Generation Power Quality and ABT Meter



Utilities



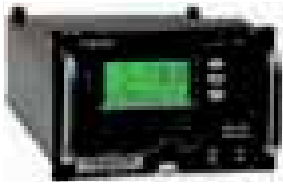
Buildings



Industry

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2. High Accuracy, Specialized Solutions - for MV/LV Distribution



Utility/ABT meter



8650

DLMS

2.1 PowerLogic™ ION 8800 / 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.

2.2 PowerLogic™ ION 7650 / 7550

*Price on Request



- > **Summarize power quality, set targets**, measure and verify results
- > **Modbus Master functionality** to read from downstream Modbus devices and view it via the front panel
- > **IEC 61850 protocol** to increase interoperability & decrease engineering time
- > **Gateway functionality** to access downstream meter's readings through ethernet
- > **Detect and capture transients** as short as 20µs at 50Hz (17µs at 60 Hz)
- > **Power quality compliance monitoring** IEC 61000-4-30 class A ed. 2, EN50160, IEC 61000-4-7, IEC 61000-4-15, IEEE 519, IEEE 1159, and CBEMA/ITIC
- > **Evaluate flicker** based on IEC 61000-4-15 and IEEE 1453
- > **Detect wave-form changes** & record ultra-fast electrical parameters every 100 m.s.
- > **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
- > **Alarm set-point learning** & alarm notification via email

2.3 PowerLogic™ PM8000 Series Power Quality Analyser

Patent disturbance detection capability with Sag/Swell / Waveform capture technology

*Price on Request



- > **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

PowerLogic™ Additional Offers

*Price on Request



Portable CT's with RS485



CT's



For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018



Simplifying power quality, maximizing versatility

PowerLogic™ PM8000 series
Advanced Power Quality Analyser



- Higher Sampling Rate: 256 Samples / Cycle
- Disturbance Direction Detection (DDD): Upstream / Downstream
- Sag/ Swell monitoring with Waveform Capturing functionality
- High Active Accuracy: Class 0.2S as per IEC 62053-22
- Dual Ethernet and 01 RS485 port with Modbus Mastering
- International PQ standards - IEC 61000-4-30 Class S, IEC 62586 PQI-S

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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**

| Product | Description | Reference | Unit LP [₹] |
|---------|---|-----------|-------------|
| PM 5560 | CI0.2S, 2 Ethernet + 1 RS485 Port, 4th CT, Webpage, 63rd Harmonic (magnitude & direction), 52 alarms, 4 DI, 2 DO, 8 multi tariff, 128 samples / cycle | 30003008D | 54382 |
| PM 5340 | CI0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle | 30003007D | 32109 |
| PM 5320 | CI0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle | 30003005D | 29927 |
| PM 5330 | CI0.5S, RS485 Port, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle | 30003006D | 26404 |

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 LP [₹] |
|---------|--|-----------|-------------|
| EM 7290 | Demand Controller CI0.2* with RS485 Port | 30002975 | 46066 |
| EM 7280 | Demand Controller CI0.5S with RS485 Port | 30002198 | 35935 |
| EM 7230 | Demand Controller CI1 with RS485 Port | 30002055 | 33171 |

* Class 0.2S compliance available in 3ph,4w system

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018



The easy choice for quality, value, and simplicity.

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

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3. High Accuracy, Specialized Solutions- for MV/LV Distribution



3.3 Easy Logic 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 LP [₹] |
|------------|---|--------------------|-------------|
| PM2230 | PM2230, LCD, RS485, Accuracy CI0.5S, 31st Ind. harmonics, 12am snap shot, kg CO ₂ and energy rate counters, Data logging | METSEPM2230D | 22228 |
| PM2220 | PM2220, LCD, RS485, Accuracy CI1, 15th Ind.harmonics, 12am snap shot, kg CO ₂ and energy rate counters | METSEPM2220D | 20449 |
| PM2210 | PM2210, LCD, Pulse Output, Accuracy CI1, 12am snap shot, kg CO ₂ and energy rate counters | METSEPM2210D | 14989 |
| PM2130 | PM2130, LED, RS485, Accuracy CI0.5S, Ind. Harmonics up to 31st over communication, data logging | METSEPM2130D | 21290 |
| PM2K2DIDO* | Optional Digital IO card - 2 channel DI & DO for PM2000 Series | METSEPM2KDGTLIO22D | 2526 |
| PM2K1AIAO* | Optional Analog IO card - 1 channel AI & AO for PM2000 Series | METSEPM2KANLGIO11D | 2994 |
| PM2K2AIAO* | Optional Analog IO card - 2 channel AI & AO for PM2000 Series | METSEPM2KANLGIO22D | 3648 |

* Optional IO modules can be used for PM2230 & PM2130 models only. Maximum upto 1 module can be used per device at a time.

Accessories for Power Monitoring

| Description | Reference | Unit LP [₹] |
|--|---------------|-------------|
| Adaptor Plate 144X144 mm | 30000089 | 80 |
| ELF adaptor plate | 30001808 | 50 |
| DM52XX Tamper protection kit - Set of 36 nos in 01 KIT | METSEDM5240TK | 929 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

The future of multifunction meters is here

The all-new Hexa Series and EM6400NG Series

All-New
Hexa



All-New
EM6400NG



4. India's Most Trusted, Reliable and Accurate Multifunction Meters



4.1 Conzerv 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 LP [₹] |
|----------|-----------------------------------|--------------------|-------------|
| EM6400NG | Class accuracy C10.2, RS485 port | METSEEM6400NGRSL2 | 25022 |
| EM6400NG | Class accuracy C10.5S, RS485 port | METSEEM6400NGRSL5 | 20903 |
| EM6400NG | Class accuracy C11.0, RS485 port | METSEEM6400NGRSL1 | 16499 |
| EM6400NG | Class accuracy C10.5S, POP | METSEEM6400NGPOCL5 | 14293 |
| EM6400NG | Class accuracy C11.0, POP | METSEEM6400NGPOCL1 | 12940 |

| Old EM6400 Reference | Equivalent EM6400NG Reference |
|----------------------|-------------------------------|
| 30002021 | METSEEM6400NGPOCL1 |
| 30002065 | METSEEM6400NGPOCL1 |
| 30002072 | METSEEM6400NGPOCL1 |
| 30002081 | METSEEM6400NGPOCL1 |
| 30002022 | METSEEM6400NGPOCL5 |
| 30002034 | METSEEM6400NGPOCL5 |
| 30002049 | METSEEM6400NGPOCL5 |
| 30002050 | METSEEM6400NGPOCL5 |
| 30002064 | METSEEM6400NGPOCL5 |
| 30002085 | METSEEM6400NGPOCL5 |
| 30002088 | METSEEM6400NGPOCL5 |
| 30002002 | METSEEM6400NGRSL1 |
| 30002012 | METSEEM6400NGRSL1 |
| 30002077 | METSEEM6400NGRSL1 |
| 30002078 | METSEEM6400NGRSL1 |
| 30002246 | METSEEM6400NGRSL1 |
| 30002027 | METSEEM6400NGRSL2 |
| 30002066 | METSEEM6400NGRSL2 |
| 30002089 | METSEEM6400NGRSL2 |
| 30002097 | METSEEM6400NGRSL2 |
| 30002101 | METSEEM6400NGRSL2 |
| 30002102 | METSEEM6400NGRSL2 |
| 30002104 | METSEEM6400NGRSL2 |
| 30002106 | METSEEM6400NGRSL2 |
| 30002109 | METSEEM6400NGRSL2 |
| 30002257 | METSEEM6400NGRSL2 |
| 30002347 | METSEEM6400NGRSL2 |
| 30002911 | METSEEM6400NGRSL2 |

| Old EM6400 Reference | Equivalent EM6400NG Reference |
|----------------------|-------------------------------|
| 30002912 | METSEEM6400NGRSL2 |
| 30002913 | METSEEM6400NGRSL2 |
| 30002914 | METSEEM6400NGRSL2 |
| 30002915 | METSEEM6400NGRSL2 |
| 30002916 | METSEEM6400NGRSL2 |
| 30002917 | METSEEM6400NGRSL2 |
| 30002918 | METSEEM6400NGRSL2 |
| 30002919 | METSEEM6400NGRSL2 |
| 30002920 | METSEEM6400NGRSL2 |
| 30002921 | METSEEM6400NGRSL2 |
| 30002922 | METSEEM6400NGRSL2 |
| 30002923 | METSEEM6400NGRSL2 |
| 30002924 | METSEEM6400NGRSL2 |
| 30002925 | METSEEM6400NGRSL2 |
| 30002001 | METSEEM6400NGRSL5 |
| 30002019 | METSEEM6400NGRSL5 |
| 30002036 | METSEEM6400NGRSL5 |
| 30002040 | METSEEM6400NGRSL5 |
| 30002041 | METSEEM6400NGRSL5 |
| 30002042 | METSEEM6400NGRSL5 |
| 30002051 | METSEEM6400NGRSL5 |
| 30002056 | METSEEM6400NGRSL5 |
| 30002057 | METSEEM6400NGRSL5 |
| 30002069 | METSEEM6400NGRSL5 |
| 30002082 | METSEEM6400NGRSL5 |
| 30002083 | METSEEM6400NGRSL5 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

5. India's Most Trusted, Reliable and Accurate Multifunction Meters



NEW

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 LP [₹] |
|---------|---|--|-------------|
| PM1130H | EASYLOGIC PM1130H Dual Source Power & Energy Meter, Class accuracy 0.5, 01 Relay Contact, 01 RS485 port | METSEPM1130HCL05RD | 14369 |
| EM6438H | CONZERV EM6438H Dual Power & Energy Meter, Class accuracy 0.5, 01 RS485 port | METSEEM6438HCL05RS | 7092 |
| EM6438H | CONZERV EM6438H Dual Power & Energy Meter, Class accuracy 1.0, 01 RS485 port | METSEEM6438HCL10RS <input checked="" type="checkbox"/> | 6584 |
| EM6436H | CONZERV EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 0.5, 01 RS485 port | METSEEM6436HCL05RS | 10790 |
| EM6436H | CONZERV EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 1.0, 01 RS485 port | METSEEM6436HCL10RS <input checked="" type="checkbox"/> | 9399 |
| EM6436H | CONZERV EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 1.0 | METSEEM6436HCL10NC | 8042 |
| EM6433H | CONZERV EM6433H A+ Power & Energy Meter, Class accuracy 0.5, 01 RS485 port | METSEEM6433HCL05RS | 6577 |
| EM6433H | CONZERV EM6433H A+ Power & Energy Meter, Class accuracy 1.0, 01 RS485 port | METSEEM6433HCL10RS <input checked="" type="checkbox"/> | 6196 |
| EM6459H | CONZERV EM6459H VAF+ PF Digital Meter, Class accuracy 0.5, 01 RS485 port | METSEEM6459HCL05RS | 6954 |
| EM6459H | CONZERV EM6459H VAF+ PF Digital Meter, Class accuracy 1.0, 01 RS485 port | METSEEM6459HCL10RS <input checked="" type="checkbox"/> | 6555 |
| EM6459H | CONZERV EM6459H VAF+ PF Digital Meter, Class accuracy 1.0 | METSEEM6459HCL10NC | 5096 |

| Old EM64xx Reference | Equivalent Hexa Reference |
|----------------------|---------------------------|
| 30002277 | METSEPM1130HCL05RD |
| 30002278 | METSEPM1130HCL05RD |
| 30002306 | METSEPM1130HCL05RD |
| 30002351 | METSEPM1130HCL05RD |
| 30002438 | METSEPM1130HCL05RD |
| 30002305 | METSEPM1130HCL05RD |
| 30002437 | METSEPM1130HCL05RD |
| 30002026 | METSEEM6438HCL10RS |
| 30002269 | METSEEM6438HCL05RS |
| 30001999 | METSEEM6436HCL10RS |
| 30002892 | METSEEM6436HCL10RS |
| 30001994 | METSEEM6436HCL10NC |
| 30002295 | METSEEM6436HCL10NC |
| 30002893 | METSEEM6436HCL10NC |
| 30002015 | METSEEM6436HCL05RS |
| 30002203 | METSEEM6436HCL05RS |
| 30002204 | METSEEM6436HCL05RS |
| 30002205 | METSEEM6436HCL05RS |
| 30002201 | METSEEM6436HCL05RS |

| Old EM64xx Reference | Equivalent Hexa Reference |
|----------------------|---------------------------|
| 30002930 | METSEEM6436HCL05RS |
| 30002931 | METSEEM6436HCL05RS |
| 30002932 | METSEEM6436HCL05RS |
| 30002933 | METSEEM6436HCL05RS |
| 30002016 | METSEEM6433HCL10RS |
| 30002031 | METSEEM6433HCL10RS |
| 30002000 | METSEEM6433HCL05RS |
| 30002336 | METSEEM6433HCL05RS |
| 30002436 | METSEEM6433HCL05RS |
| 30002926 | METSEEM6433HCL05RS |
| 30002927 | METSEEM6433HCL05RS |
| 30001804 | METSEEM6459HCL10RS |
| 30002008 | METSEEM6459HCL10NC |
| 30002220 | METSEEM6459HCL05RS |
| 30002221 | METSEEM6459HCL05RS |
| 30002224 | METSEEM6459HCL05RS |
| 30002934 | METSEEM6459HCL05RS |
| 30002935 | METSEEM6459HCL05RS |
| 30002936 | METSEEM6459HCL05RS |

* Few references may not be the exact equivalent, Please contact local sales representative before ordering.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

6. 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

6.1 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 LP [₹] |
|---------|-----------------------------|-------------|-------------|
| PM 3255 | Din rail Power meter Modbus | METSEPM3255 | 15304 |
| PM 3210 | Din rail Power meter pulse | METSEPM3210 | 13947 |

6.2 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



iEM2010

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> iEM3110 iEM3210 iEM3310 <ul style="list-style-type: none"> > Total kWh > Partial kWh + date and time of last reset > Pulse output up to 1000pulse/kWh > 1 Digital Out > Date and time of last reset > MID legal metrology certification | <ul style="list-style-type: none"> iEM3150 iEM3250 iEM3350 <ul style="list-style-type: none"> > Modbus > Total kWh > Partial kWh + date and time of last reset > Self powered > By communication: kWh, A, V, kW, PF | <ul style="list-style-type: none"> iEM3165, 3175 iEM3265, 3275 <ul style="list-style-type: none"> > Total kWh, kVAh > Four quadrant > Partial kWh+ date and time of last reset > By communication: kWh, kVAh, P,Q, S, Kv, PF, 4 tariffs, digital input status, date/clock > 1 DI for circuit breaker status, input WAGES, 1 DO |
|---|--|--|

iEM 33xx - CI1.0, Direct current 125 A, Din Rail Meter

| Product | Description | Reference | Unit LP [₹] |
|---------|--|-----------|-------------|
| iEM33xx | Three Phase, 125A Direct Current, Lonwork | A9MEM3375 | 20069 |
| iEM33xx | Three Phase, 125A Direct Current, BACnet | A9MEM3365 | 18650 |
| iEM33xx | Three Phase, 125A Direct Current, Modbus | A9MEM3350 | 15869 |
| iEM33xx | Three Phase, 125A Direct Current, PulseO/P | A9MEM3310 | 14972 |

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 LP [₹] | Reference | Unit LP [₹] |
| iEM 3x65 | A9MEM3265 | 16166 | A9MEM3165 | 15685 |
| iEM 3x55 | A9MEM3255 | 11332 | A9MEM3155 | 12519 |
| iEM 3x50 | A9MEM3250 | 10625 | A9MEM3150 | 11816 |
| iEM 3x10 | A9MEM3210 | 9734 | A9MEM3110 | 10817 |

Direct Current-Single phase (upto 40A), Din Rail Meter

| Product | Description | Reference | Unit LP [₹] |
|----------|--|-----------|-------------|
| iEM 2010 | Single Phase Energy Meter upto 40A, POP with counter display | A9MEM2010 | 5043 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

7. Ethernet Communication Gateways and Meters

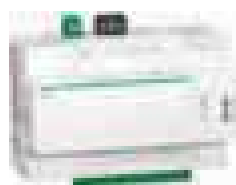


Com'X 510 Energy management in a box

- > Com'X 510 collects and stores consumption of WAGES (water, air, gas, electricity and steam) and environmental factors like temperature, humidity, and CO2 levels.
- > Its embedded energy management software provides immediate visibility of energy consumption that helps identify opportunities for saving energy and lowering power bills.
- > Users can analyze real-time and historical data, provide stakeholders with a comprehensive view of their energy usage.

7.1 Ethernet Communication Gateway Server / Converters

Com'X 510 Gateway Server



- > Dual Ethernet
- > Onboard storage
- > Wireless WiFi / GPRS Support
- > Cloud hosted platform
- > Local and Customized Web pages with trending and dashboard visualization
- > Modbus Gateway
- > On-Board 6 DI, 2 AI

EGX300 – Gateway Device



- > 1 Ethernet port (10/100 Base T)
- > Inbuilt web dashboard
- > Custom web page Support
- > Real-time trending
- > Device discovery
- > TCP/IP, SNMP, SNTIP, SMTP protocol
- > Aux Supply 24 V DC

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 LP [₹] |
|-----------------|--------------------------------------|---------------|-------------|
| ComX'510 | Energy Gateway Server – EMS in a BOX | EBX510 | 43939 |
| EGX300 | Gateway Server | 30002885 | 28213 |
| Link150 | Protocol Converter | EGX150 | 27219 |
| Wi-fi USB Stick | Wi-fi USB stick for Com'X | EBXA-USB-WiFi | 3892 |
| GPRS | GPRS modem without SIM for Com'X | EBXA-GPRS | 5353 |
| GPRS Antenna | External GPRS antenna for Com'X | EBXA-ANT-5M | 3171 |

7.2 Ethernet – TCP/IP Protocol Meters & Accessories

| Product | Description | Reference | Unit LP [₹] |
|--------------|--|-----------|-------------|
| ION Products | ION 8800, ION 8650, ION 7650, ION 7550, PM8000 with Ethernet | | On Request |
| PM 5560 | Two Ethernet ports with single IP, CI0.2S, Web dashboard | 30003008D | 54382 |
| PM 5340 | One Ethernet port, 2 Digital Inputs, 2 Digital Outputs, 2 Relays | 30003007D | 32109 |
| PM 5320 | One Ethernet port, 2 Digital Inputs, 2 Digital Outputs | 30003005D | 29927 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

8. Specialized Small Form Factor Meters - ELF Series



8.1 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 LP [₹] |
|-----------|-----------------|-----------|-------------|
| ELF3234-3 | ELF3234-3 CI0.5 | 30000619 | 6077 |
| ELF3234 | ELF3234 CI0.5 | 30000621 | 5201 |
| ELF3259 | ELF3259 CI0.5 | 30000620 | 2610 |
| ELF3234-3 | ELF3234-3 CI1.0 | 30000409 | 4854 |
| ELF3234 | ELF3234 CI1.0 | 30000859 | 4159 |
| ELF3259 | ELF3259 CI1.0 | 30000860 | 2082 |

9. Specialized Counter Energy Meters- Conzerv™ DM52xx



9.1 *Conzerv™ DM52xx

- > Accuracy CI1.0, CI0.5
- > Pulse output – for effective WAGES tracking on EMS systems
- > 3P4W & 3P3W wiring options

| Product | Description | Unit LP [₹] |
|---------|---|-------------|
| DM5240 | Energy Meter 3P4W CI1.0 POP <input checked="" type="checkbox"/> | 4030 |
| DM5240 | Energy Meter 3P4W CI0.5 POP | 4780 |
| DM5230 | Energy Meter 3P3W CI1.0 POP | 3780 |
| DM5230 | Energy Meter 3P3W CI0.5 POP | 4435 |

*Reference code based on detailed specification, please check with local Representative

10. LCD Display Energy Meters & VAF+PF Meters



High durability, sleek LCD display energy & VAF+PF meters

10.1 EM1000 / EM1200 Series

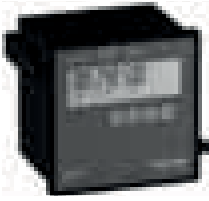
- > Accuracy CI0.5, CI1.0
- > **Parameters** - KW, kWh & PF
- > **Pulse output** - for basic tracking on EMS systems
- > **RS 485** - for native integration into EMS

| Product | Description | Reference | Unit LP [₹] |
|---------|--|-----------|-------------|
| EM1200 | EM1200 CI0.5 RS | 30002572 | 4170 |
| EM1000 | EM1000 CI0.5 POP | 30002571 | 3579 |
| EM1200 | EM1200 CI1.0 RS <input checked="" type="checkbox"/> | 30002565 | 3436 |
| EM1000 | EM1000 CI1.0 POP <input checked="" type="checkbox"/> | 30002568 | 2830 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



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 LP [₹] |
|---------|-----------------|--|-------------|
| DM6300 | DM6300 CI0.5 RS | 30002570 | 3452 |
| DM6100 | DM6100 CI0.5 | 30002569 | 2724 |
| DM6300 | DM6300 CI1.0 RS | 30002566 | 3287 |
| DM6100 | DM6100 CI1.0 | 30002567 <input checked="" type="checkbox"/> | 2595 |

11. CE compliance - Volt/Amp/ frequency meter



CE
Compliant

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 Conzerv range DM3000 / DM1000

| Product | Description | Reference | Unit LP [₹] |
|---------|------------------------------|-----------|-------------|
| DM3210 | Three phase Voltmeter CI0.5 | 30002965 | 2414 |
| DM3110 | Three phase Ammeter CI0.5 | 30002964 | 2414 |
| DM1210 | Single phase Voltmeter CI0.5 | 30002962 | 1638 |
| DM1110 | Single phase Ammeter CI0.5 | 30002961 | 1638 |
| DM1310 | Frequency meter CI0.2 | 30002963 | 1247 |

12. Just the Basics - Voltage / Ampere / Frequency Meters



12.1 Conzerv™ 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 LP [₹] |
|---------|------------------------------|--|-------------|
| DM3210 | Three phase Voltmeter CI0.5 | 30002462 <input checked="" type="checkbox"/> | 1968 |
| DM3110 | Three phase Ammeter CI0.5 | 30002461 <input checked="" type="checkbox"/> | 1968 |
| DM3210 | Three phase Voltmeter CI1.0 | 30002386 <input checked="" type="checkbox"/> | 1572 |
| DM3110 | Three phase Ammeter CI1.0 | 30002385 <input checked="" type="checkbox"/> | 1572 |
| DM1210 | Single phase Voltmeter CI0.5 | 30002460 <input checked="" type="checkbox"/> | 1332 |
| DM1110 | Single phase Ammeter CI0.5 | 30002459 <input checked="" type="checkbox"/> | 1332 |
| DM1210 | Single phase Voltmeter CI1.0 | 30002366 <input checked="" type="checkbox"/> | 989 |
| DM1110 | Single phase Ammeter CI1.0 | 30002365 <input checked="" type="checkbox"/> | 989 |
| DM1310 | Single phase Frequency CI0.2 | 30002367 <input checked="" type="checkbox"/> | 989 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



VarPlus Box Xtreme

Built to perform in **Xtreme** conditions

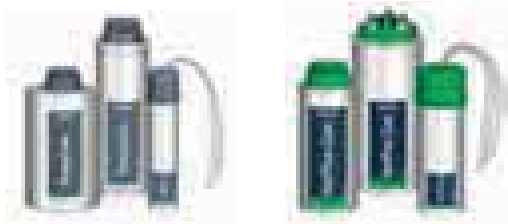
- Designed for 60°C, offers 60% more life than products designed at 55°C
- Tested to perform 150,000 hrs life in standard operating conditions
- Xtreme inrush withstand of 350X In
- Designed to work in Xtreme environments

New



[Schneider-electric.co.in](https://www.schneider-electric.co.in)

Power Factor Correction Products



Can (Cylindrical) Type 440V Capacitors

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit LP [₹] |
|---|-------------|---------------------------------|------------------|-------------|
| EasyCan (S Duty) 440V Range | | | | |
| MPP - Standard Duty Can 3Ph 1kVAr 440V 50Hz | 1 | 3 | MEHVCSDY010A44 | 408 |
| MPP - Standard Duty Can 3Ph 2kVAr 440V 50Hz | 2 | 3 | MEHVCSDY020A44 ✓ | 568 |
| MPP - Standard Duty Can 3Ph 3kVAr 440V 50Hz | 3 | 3 | MEHVCSDY030A44 ✓ | 852 |
| MPP - Standard Duty Can 3Ph 4kVAr 440V 50Hz | 4 | 3 | MEHVCSDY040A44 ✓ | 1137 |
| MPP - Standard Duty Can 3Ph 5kVAr 440V 50Hz | 5 | 3 | MEHVCSDY050A44 ✓ | 1126 |
| MPP - Standard Duty Can 3Ph 7.5kVAr 440V 50Hz | 7.5 | 3 | MEHVCSDY075A44 | 1690 |
| MPP - Standard Duty Can 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVCSDY100A44 ✓ | 1976 |
| MPP - Standard Duty Can 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVCSDY125A44 ✓ | 2469 |
| MPP - Standard Duty Can 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVCSDY150A44 ✓ | 2962 |
| MPP - Standard Duty Can 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVCSDY200A44 ✓ | 3948 |
| MPP - Standard Duty Can 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVCSDY250A44 ✓ | 4937 |
| VarPlus Can (H Duty) 440V Range | | | | |
| MPP - Heavy Duty Can 3Ph 1kVAr 440V 50Hz | 1 | 3 | MEHVCHDY010A44 | 544 |
| MPP - Heavy Duty Can 3Ph 2kVAr 440V 50Hz | 2 | 3 | MEHVCHDY020A44 ✓ | 853 |
| MPP - Heavy Duty Can 3Ph 3kVAr 440V 50Hz | 3 | 3 | MEHVCHDY030A44 ✓ | 1280 |
| MPP - Heavy Duty Can 3Ph 4kVAr 440V 50Hz | 4 | 3 | MEHVCHDY040A44 ✓ | 1706 |
| MPP - Heavy Duty Can 3Ph 5kVAr 440V 50Hz | 5 | 3 | MEHVCHDY050A44 ✓ | 1796 |
| MPP - Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz | 7.5 | 3 | MEHVCHDY075A44 | 2695 |
| MPP - Heavy Duty Can 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVCHDY100A44 ✓ | 3370 |
| MPP - Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVCHDY125A44 ✓ | 4214 |
| MPP - Heavy Duty Can 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVCHDY150A44 ✓ | 5055 |
| MPP - Heavy Duty Can 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVCHDY200A44 ✓ | 6741 |
| MPP - Heavy Duty Can 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVCHDY250A44 ✓ | 8425 |
| MPP - Heavy Duty Can 3Ph 30kVAr 440V 50Hz | 30 | 1 | MEHVCHDY300A44 | 10110 |
| MPP - Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00) | 40 | 1 | MEHVCHDY400A44 | 13134 |
| MPP - Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00) | 50 | 1 | MEHVCHDY500A44 | 16417 |
| VarPlus Can (GH Duty) 440V Range | | | | |
| MPP - Gas Heavy Duty Can 3Ph 5kVAr 440V 50Hz | 5 | 3 | MEHVCGSF050A44 ✓ | 1938 |
| MPP - Gas Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz | 7.5 | 3 | MEHVCGSF075A44 | 2904 |
| MPP - Gas Heavy Duty Can 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVCGSF100A44 ✓ | 3582 |
| MPP - Gas Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVCGSF125A44 ✓ | 4475 |
| MPP - Gas Heavy Duty Can 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVCGSF150A44 ✓ | 5370 |
| MPP - Gas Heavy Duty Can 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVCGSF200A44 ✓ | 7161 |
| MPP - Gas Heavy Duty Can 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVCGSF250A44 ✓ | 8950 |
| MPP - Gas Heavy Duty Can 3Ph 30kVAr 440V 50Hz | 30 | 1 | MEHVCGSF300A44 | 10735 |
| MPP - Gas Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00) | 40 | 1 | MEHVCGSF400A44 | 13897 |
| MPP - Gas Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00) | 50 | 1 | MEHVCGSF500A44 | 17370 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.


✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Factor Correction Products



Box (Square) Type 440V Capacitors

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit LP  |
|--|-------------|---------------------------------|--|---|
| VarPlus Box S Duty 440V Range | | | | |
| MPP - Standard Duty Box 3ph 7.5kVAr 440V 50Hz | 7.5 | 1 | MEHVBSDY075A44 | 2244 |
| MPP - Standard Duty Box 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVBSDY100A44 <input checked="" type="checkbox"/> | 2884 |
| MPP - Standard Duty Box 3ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVBSDY125A44 | 3605 |
| MPP - Standard Duty Box 3ph 15kVAr 440V 50Hz | 15 | 1 | MEHVBSDY150A44 | 4324 |
| MPP - Standard Duty Box 3ph 20kVAr 440V 50Hz | 20 | 1 | MEHVBSDY200A44 <input checked="" type="checkbox"/> | 5766 |
| MPP - Standard Duty Box 3ph 25kVAr 440V 50Hz | 25 | 1 | MEHVBSDY250A44 <input checked="" type="checkbox"/> | 7207 |
| MPP - Standard Duty Box 3ph 30kVAr 440V 50Hz | 30 | 1 | MEHVBSDY300A44 | 9235 |
| MPP - Standard Duty Box 3ph 50kVAr 440V 50Hz(single unit) | 50 | 1 | MEHVBSDY500A44 | 15393 |
| VarPlus Box Xtreme H Duty 440V Range New | | | | |
| MPP - Xtreme Heavy Duty Box 3Ph 5kVAr 440V 50Hz | 5 | 1 | MEHVBHDY050A44 <input checked="" type="checkbox"/> | 2390 |
| MPP - Xtreme Heavy Duty Box 3Ph 7.5kVAr 440V 50Hz | 7.5 | 1 | MEHVBHDY075A44 | 3582 |
| MPP - Xtreme Heavy Duty Box Box 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVBHDY100A44 <input checked="" type="checkbox"/> | 4080 |
| MPP - Xtreme Heavy Duty Box 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVBHDY125A44 <input checked="" type="checkbox"/> | 5109 |
| MPP - Xtreme Heavy Duty Box 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVBHDY150A44 <input checked="" type="checkbox"/> | 6130 |
| MPP - Xtreme Heavy Duty Box 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVBHDY200A44 <input checked="" type="checkbox"/> | 8171 |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVBHDY250A44 <input checked="" type="checkbox"/> | 10214 |
| MPP - Xtreme Heavy Duty Box 3Ph 30kVAr 440V 50Hz | 30 | 1 | MEHVBHDY300A44 | 12257 |
| MPP - Xtreme Heavy Duty Box 3Ph 50kVAr 440V 50Hz (single unit) | 50 | 1 | MEHVBHDY500A44 | 21096 |
| VarPlus Box Energy (MD-XL) 440V Range | | | | |
| Energy - MD-XL Box 3Ph 5kVAr 440V 50 Hz | 5 | 1 | MEHVBENY050A44 <input checked="" type="checkbox"/> | 3746 |
| Energy - MD-XL Box 3Ph 7.5kVAr 440V 50 Hz | 7.5 | 1 | MEHVBENY075A44 | 5618 |
| Energy - MD-XL Box 3Ph 10kVAr 440V 50 Hz | 10 | 1 | MEHVBENY100A44 <input checked="" type="checkbox"/> | 7152 |
| Energy - MD-XL Box 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVBENY125A44 | 8945 |
| Energy - MD-XL Box 3Ph 15kVAr 440V 50 Hz | 15 | 1 | MEHVBENY150A44 <input checked="" type="checkbox"/> | 10716 |
| Energy - MD-XL Box 3Ph 20kVAr 440V 50 Hz | 20 | 1 | MEHVBENY200A44 <input checked="" type="checkbox"/> | 14288 |
| Energy - MD-XL Box 3Ph 25kVAr 440V 50 Hz | 25 | 1 | MEHVBENY250A44 <input checked="" type="checkbox"/> | 17888 |
| Energy - MD-XL Box 3Ph 30kVAr 440V 50 Hz | 30 | 1 | MEHVBENY300A44 | 21454 |
| Energy - MD-XL Box 3Ph 50kVAr 440V 50 Hz(Single unit) | 50 | 1 | MEHVBENY500A44 | 38473 |
| VarPlus Box APP 440V Range | | | | |
| APP - Box 3Ph 5kVAr 440V 50Hz | 5 | 1 | MEHVBAPP050A44 <input checked="" type="checkbox"/> | 3563 |
| APP - Box 3Ph 7.5kVAr 440V 50Hz | 7.5 | 1 | MEHVBAPP075A44 | 5345 |
| APP - Box 3Ph 10kVAr 440V 50Hz | 10 | 1 | MEHVBAPP100A44 <input checked="" type="checkbox"/> | 6252 |
| APP - Box 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | MEHVBAPP125A44 | 7816 |
| APP - Box 3Ph 15kVAr 440V 50Hz | 15 | 1 | MEHVBAPP150A44 <input checked="" type="checkbox"/> | 9379 |
| APP - Box 3Ph 20kVAr 440V 50Hz | 20 | 1 | MEHVBAPP200A44 <input checked="" type="checkbox"/> | 12506 |
| APP - Box 3Ph 25kVAr 440V 50Hz | 25 | 1 | MEHVBAPP250A44 <input checked="" type="checkbox"/> | 15632 |
| APP - Box 3Ph 30kVAr 440V 50Hz | 30 | 1 | MEHVBAPP300A44 | 18793 |
| APP - Box 3Ph 50kVAr 440V 50Hz (Bank 25kVAr x 2 nos) | 50 | 1 | MEHVBAPP500A44 | 34848 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Factor Correction Products



Detuned Filter Application Capacitors

| Description | kVAR-Rating | Minimum Ordering Quantity (No.) | Reference | Unit LP |
|---|-------------|---------------------------------|----------------|---------|
| * Capacitors for 7%/5.7% , 440V Detuned Filter Application | | | | |
| VarPlus Can (H Duty) 480V Range | | | | |
| MPP - Heavy Duty Can 3Ph 5.6kVAR 480V 50Hz | 5.6 | 1 | MEHVCHDY056A48 | 2011 |
| MPP - Heavy Duty Can 3Ph 6.7kVAR 480V 50Hz | 6.7 | 1 | MEHVCHDY067A48 | 2406 |
| MPP - Heavy Duty Can 3Ph 11.3kVAR 480V 50Hz | 11.3 | 1 | MEHVCHDY113A48 | 3804 |
| MPP - Heavy Duty Can 3Ph 12.5kVAR 480V 50Hz | 12.5 | 1 | MEHVCHDY125A48 | 4208 |
| MPP - Heavy Duty Can 3Ph 14.4kVAR 480V 50Hz | 14.4 | 1 | MEHVCHDY144A48 | 4852 |
| MPP - Heavy Duty Can 3Ph 15.5kVAR 480V 50Hz | 15.5 | 1 | MEHVCHDY155A48 | 5222 |
| MPP - Heavy Duty Can 3Ph 17kVAR 480V 50Hz | 17 | 1 | MEHVCHDY170A48 | 5730 |
| MPP - Heavy Duty Can 3Ph 19kVAR 480V 50Hz | 19 | 1 | MEHVCHDY190A48 | 6404 |
| MPP - Heavy Duty Can 3Ph 22.4kVAR 480V 50Hz | 22.4 | 1 | MEHVCHDY224A48 | 7548 |
| MPP - Heavy Duty Can 3Ph 25kVAR 480V 50Hz | 25 | 1 | MEHVCHDY250A48 | 8426 |
| MPP - Heavy Duty Can 3Ph 28.1kVAR 480V 50Hz | 28.1 | 1 | MEHVCHDY281A48 | 9462 |
| MPP - Heavy Duty Can 3Ph 31.5kVAR 480V 50Hz | 31.5 | 1 | MEHVCHDY315A48 | 10607 |
| VarPlus Can (GH Duty) 480V Range | | | | |
| MPP - GasHeavy Duty Can 3Ph 5.6kVAR 480V 50Hz | 5.6 | 1 | MEHVCGSF056A48 | 2169 |
| MPP - GasHeavy Duty Can 3Ph 6.7kVAR 480V 50Hz | 6.7 | 1 | MEHVCGSF067A48 | 2595 |
| MPP - GasHeavy Duty Can 3Ph 11.3kVAR 480V 50Hz | 11.3 | 1 | MEHVCGSF113A48 | 4043 |
| MPP - GasHeavy Duty Can 3Ph 12.5kVAR 480V 50Hz | 12.5 | 1 | MEHVCGSF125A48 | 4472 |
| MPP - GasHeavy Duty Can 3Ph 14.4kVAR 480V 50Hz | 14.4 | 1 | MEHVCGSF144A48 | 5152 |
| MPP - GasHeavy Duty Can 3Ph 15.5kVAR 480V 50Hz | 15.5 | 1 | MEHVCGSF155A48 | 5546 |
| MPP - GasHeavy Duty Can 3Ph 17kVAR 480V 50Hz | 17 | 1 | MEHVCGSF170A48 | 6083 |
| MPP - GasHeavy Duty Can 3Ph 19kVAR 480V 50Hz | 19 | 1 | MEHVCGSF190A48 | 6799 |
| MPP - GasHeavy Duty Can 3Ph 22.4kVAR 480V 50Hz | 22.4 | 1 | MEHVCGSF224A48 | 8015 |
| MPP - GasHeavy Duty Can 3Ph 25kVAR 480V 50Hz | 25 | 1 | MEHVCGSF250A48 | 8945 |
| MPP - GasHeavy Duty Can 3Ph 28.1kVAR 480V 50Hz | 28.1 | 1 | MEHVCGSF281A48 | 10091 |
| MPP - GasHeavy Duty Can 3Ph 31.5kVAR 480V 50Hz | 31.5 | 1 | MEHVCGSF315A48 | 11313 |
| VarPlus Box Xtreme H Duty 480V Range | | | | |
| MPP - Xtreme Heavy Duty Box 3Ph 5.6kVAR 480V 50Hz | 5.6 | 1 | MEHVBHDY056A48 | 2675 |
| MPP - Xtreme Heavy Duty Box 3Ph 6.7kVAR 480V 50Hz | 6.7 | 1 | MEHVBHDY067A48 | 3201 |
| MPP - Xtreme Heavy Duty Box 3Ph 11.3kVAR 480V 50Hz | 11.3 | 1 | MEHVBHDY113A48 | 4616 |
| MPP - Xtreme Heavy Duty Box 3Ph 14.4kVAR 480V 50Hz | 14.4 | 1 | MEHVBHDY144A48 | 5882 |
| MPP - Xtreme Heavy Duty Box 3Ph 17kVAR 480V 50Hz | 17 | 1 | MEHVBHDY170A48 | 6943 |
| MPP - Xtreme Heavy Duty Box 3Ph 22.4kVAR 480V 50Hz | 22.4 | 1 | MEHVBHDY224A48 | 9114 |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAR 480V 50Hz | 25 | 1 | MEHVBHDY250A48 | 10174 |
| MPP - Xtreme Heavy Duty Box 3Ph 28.1kVAR 480V 50Hz | 28.1 | 1 | MEHVBHDY281A48 | 11435 |
| MPP - Xtreme Heavy Duty Box 3Ph 31.5kVAR 480V 50Hz | 31.5 | 1 | MEHVBHDY315A48 | 12818 |
| MPP - Xtreme Heavy Duty Box 3Ph 56.1kVAR 480V 50Hz (Single unit) | 56.1 | 1 | MEHVBHDY561A48 | 23656 |
| VarPlus Box Energy (MD-XL) 480V Range | | | | |
| Energy - MD-XL Box 3Ph 5.6kVAR 480V 50 Hz | 5.6 | 1 | MEHVBENY056A48 | 4191 |
| Energy - MD-XL Box 3Ph 6.7kVAR 480V 50 Hz | 6.7 | 1 | MEHVBENY067A48 | 5014 |
| Energy - MD-XL Box 3Ph 11.3kVAR 480V 50 Hz | 11.3 | 1 | MEHVBENY113A48 | 8079 |
| Energy - MD-XL Box 3Ph 14.4kVAR 480V 50 Hz | 14.4 | 1 | MEHVBENY144A48 | 10303 |
| Energy - MD-XL Box 3Ph 15.5kVAR 480V 50 Hz | 15.5 | 1 | MEHVBENY155A48 | 11091 |
| Energy - MD-XL Box 3Ph 17kVAR 480V 50 Hz | 17 | 1 | MEHVBENY170A48 | 12163 |
| Energy - MD-XL Box 3Ph 19kVAR 480V 50 Hz | 19 | 1 | MEHVBENY190A48 | 13595 |
| Energy - MD-XL Box 3Ph 22.4kVAR 480V 50 Hz | 22.4 | 1 | MEHVBENY224A48 | 16028 |
| Energy - MD-XL Box 3Ph 25.0kVAR 480V 50 Hz | 25 | 1 | MEHVBENY250A48 | 17895 |
| Energy - MD-XL Box 3Ph 28.1kVAR 480V 50 Hz | 28.1 | 1 | MEHVBENY281A48 | 20114 |
| Energy - MD-XL Box 3Ph 31.5kVAR 480V 50 Hz | 31.5 | 1 | MEHVBENY315A48 | 22546 |
| Energy - MD-XL Box 3Ph 56.1kVAR 480V 50 Hz (single unit) | 56.1 | 1 | MEHVBENY561A48 | 43134 |

* Refer to Selection chart for Reactors & Capacitors available on page 15

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Factor Correction Products



Detuned Filter Application Capacitors

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit LP  |
|---|-------------|---------------------------------|--|---|
| VarPlus Box APP 480V Range | | | | |
| APP - Box 3Ph 5.6kVAr 480V 50Hz | 5.6 | 1 | MEHVBAPP056A48 | 3985 |
| APP - Box 3Ph 6.7kVAr 480V 50Hz | 6.7 | 1 | MEHVBAPP067A48 | 4767 |
| APP - Box 3Ph 11.3kVAr 480V 50Hz | 11.3 | 1 | MEHVBAPP113A48 | 7075 |
| APP - Box 3Ph 12.5kVAr 480V 50Hz | 12.5 | 1 | MEHVBAPP125A48 | 7827 |
| APP - Box 3Ph 14.4kVAr 480V 50Hz | 14.4 | 1 | MEHVBAPP144A48 | 9017 |
| APP - Box 3Ph 15.5kVAr 480V 50Hz | 15.5 | 1 | MEHVBAPP155A48 | 9693 |
| APP - Box 3Ph 17kVAr 480V 50Hz | 17 | 1 | MEHVBAPP170A48 | 10658 |
| APP - Box 3Ph 19kVAr 480V 50Hz | 19 | 1 | MEHVBAPP190A48 | 11883 |
| APP - Box 3Ph 22.4kVAr 480V 50Hz | 22.4 | 1 | MEHVBAPP224A48 | 14042 |
| APP - Box 3Ph 25kVAr 480V 50Hz | 25 | 1 | MEHVBAPP250A48 | 15636 |
| APP - Box 3Ph 28.1kVAr 480V 50Hz | 28.1 | 1 | MEHVBAPP281A48 <input checked="" type="checkbox"/> | 17574 |
| APP - Box 3Ph 31.5kVAr 480V 50Hz | 31.5 | 1 | MEHVBAPP315A48 | 19701 |
| APP - Box 3Ph 56.1kVAr 480V 50Hz (Bank 28.1kVAr x 2nos) | 56.1 | 1 | MEHVBAPP561A48 | 39100 |
| * Capacitors for 7%/ 5.7%/ 14% , 440V Filter Application | | | | |
| VarPlus Can (H Duty) 525V Range | | | | |
| MPP - Heavy Duty Can 3Ph 6.9kVAr 525V 50Hz | 6.9 | 1 | MEHVCHDY069A52 | 2481 |
| MPP - Heavy Duty Can 3Ph 12.5kVAr 525V 50Hz | 12.5 | 1 | MEHVCHDY125A52 | 4211 |
| MPP - Heavy Duty Can 3Ph 13.8kVAr 525V 50Hz | 13.8 | 1 | MEHVCHDY138A52 | 4649 |
| MPP - Heavy Duty Can 3Ph 15.4kVAr 525V 50Hz | 15.4 | 1 | MEHVCHDY154A52 | 5187 |
| MPP - Heavy Duty Can 3Ph 17.2kVAr 525V 50Hz | 17.2 | 1 | MEHVCHDY172A52 | 5796 |
| MPP - Heavy Duty Can 3Ph 18.5kVAr 525V 50Hz | 18.5 | 1 | MEHVCHDY185A52 | 6232 |
| MPP - Heavy Duty Can 3Ph 20.6kVAr 525V 50Hz | 20.6 | 1 | MEHVCHDY206A52 | 6938 |
| MPP - Heavy Duty Can 3Ph 22.6kVAr 525V 50Hz | 22.6 | 1 | MEHVCHDY226A52 | 7613 |
| MPP - Heavy Duty Can 3Ph 25kVAr 525V 50Hz | 25 | 1 | MEHVCHDY250A52 | 8425 |
| MPP - Heavy Duty Can 3Ph 27.5kVAr 525V 50Hz | 27.5 | 1 | MEHVCHDY275A52 | 9267 |
| MPP - Heavy Duty Can 3Ph 30.6kVAr 525V 50Hz | 30.6 | 1 | MEHVCHDY306A52 | 10311 |
| MPP - Heavy Duty Can 3Ph 33.1kVAr 525V 50Hz | 33.1 | 1 | MEHVCHDY331A52 <input checked="" type="checkbox"/> | 11196 |
| MPP - Heavy Duty Can 3Ph 34.4kVAr 525V 50Hz | 34.4 | 1 | MEHVCHDY344A52 | 11583 |
| MPP-Heavy Duty Can 3Ph 37.7 kVAr 525V 50Hz | 37.7 | 1 | MEHVCHDY377A52 | 12691 |
| VarPlus Can (GH Duty) 525V Range | | | | |
| MPP - GasHeavy Duty Can 3Ph 6.9kVAr 525V 50Hz | 6.9 | 1 | MEHVCGSF069A52 | 2679 |
| MPP - GasHeavy Duty Can 3Ph 12.5kVAr 525V 50Hz | 12.5 | 1 | MEHVCGSF125A52 | 4487 |
| MPP - GasHeavy Duty Can 3Ph 13.8kVAr 525V 50Hz | 13.8 | 1 | MEHVCGSF138A52 | 4953 |
| MPP - GasHeavy Duty Can 3Ph 15.4kVAr 525V 50Hz | 15.4 | 1 | MEHVCGSF154A52 | 5491 |
| MPP - GasHeavy Duty Can 3Ph 17.2kVAr 525V 50Hz | 17.2 | 1 | MEHVCGSF172A52 | 6180 |
| MPP - GasHeavy Duty Can 3Ph 18.5kVAr 525V 50Hz | 18.5 | 1 | MEHVCGSF185A52 | 6612 |
| MPP - GasHeavy Duty Can 3Ph 20.6kVAr 525V 50Hz | 20.6 | 1 | MEHVCGSF206A52 | 7401 |
| MPP - GasHeavy Duty Can 3Ph 22.6kVAr 525V 50Hz | 22.6 | 1 | MEHVCGSF226A52 | 8120 |
| MPP - GasHeavy Duty Can 3Ph 25kVAr 525V50Hz | 25 | 1 | MEHVCGSF250A52 | 8976 |
| MPP - GasHeavy Duty Can 3Ph 27.5kVAr 525V50Hz | 27.5 | 1 | MEHVCGSF275A52 | 9882 |
| MPP - GasHeavy Duty Can 3Ph 30.6kVAr 525V50Hz | 30.6 | 1 | MEHVCGSF306A52 | 10994 |
| MPP - GasHeavy Duty Can 3Ph 33.1kVAr 525V50Hz | 33.1 | 1 | MEHVCGSF331A52 <input checked="" type="checkbox"/> | 11894 |
| MPP - Gas Heavy Duty Can 3Ph 34.4kVAr 525V50Hz | 34.4 | 1 | MEHVCGSF344A52 | 12361 |
| MPP - GasHeavy Duty Can 3Ph 37.7kVAr 525V50Hz | 37.7 | 1 | MEHVCGSF377A52 | 13519 |

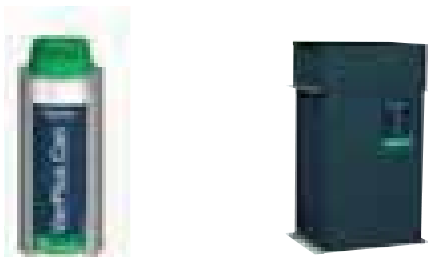
* Refer to Selection chart for Reactors & Capacitors available on page 15

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Factor Correction Products



Detuned Filter Application Capacitors

| Description | kVAr Rating | Minimum Ordering Quantity (No.) | Reference | Unit LP |
|---|-------------|---------------------------------|----------------|---------|
| VarPlus Box Xtreme H Duty 525V Range New | | | | |
| MPP - Xtreme Heavy Duty Box 3Ph 6.9kVAr 525V 50Hz | 6.9 | 1 | MEHVBHDY069A52 | 2815 |
| MPP - Xtreme Heavy Duty Box 3Ph 12.5kVAr 525V 50Hz | 12.5 | 1 | MEHVBHDY125A52 | 5090 |
| MPP - Xtreme Heavy Duty Box 3Ph 13.8kVAr 525V 50Hz | 13.8 | 1 | MEHVBHDY138A52 | 5630 |
| MPP - Xtreme Heavy Duty Box 3Ph 15.4kVAr 525V 50Hz | 15.4 | 1 | MEHVBHDY154A52 | 6282 |
| MPP - Xtreme Heavy Duty Box 3Ph 17.2kVAr 525V 50Hz | 17.2 | 1 | MEHVBHDY172A52 | 7019 |
| MPP - Xtreme Heavy Duty Box 3Ph 18.5kVAr 525V 50Hz | 18.5 | 1 | MEHVBHDY185A52 | 7560 |
| MPP - Xtreme Heavy Duty Box 3Ph 20.6kVAr 525V 50Hz | 20.6 | 1 | MEHVBHDY206A52 | 8405 |
| MPP - Xtreme Heavy Duty Box 3Ph 22.6kVAr 525V 50Hz | 22.6 | 1 | MEHVBHDY226A52 | 9195 |
| MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 525V 50Hz | 25 | 1 | MEHVBHDY250A52 | 10214 |
| MPP - Xtreme Heavy Duty Box 3Ph 27.5kVAr 525V 50Hz | 27.5 | 1 | MEHVBHDY275A52 | 11229 |
| MPP - Xtreme Heavy Duty Box 3Ph 30.6kVAr 525V 50Hz | 30.6 | 1 | MEHVBHDY306A52 | 12455 |
| MPP - Xtreme Heavy Duty Box 3Ph 33.1kVAr 525V 50Hz | 33.1 | 1 | MEHVBHDY331A52 | 13518 |
| MPP - Xtreme Heavy Duty Box 3Ph 37.7kVAr 525V 50Hz | 37.7 | 1 | MEHVBHDY377A52 | 15345 |
| VarPlus Box Energy (MD - XL) 525V Range | | | | |
| Energy - MD-XL Box 3Ph 6.9kVAr 525V 50 Hz | 6.9 | 1 | MEHVBENY069A52 | 5163 |
| Energy - MD-XL Box 3Ph 12.5kVAr 525V 50 Hz | 12.5 | 1 | MEHVBENY125A52 | 8935 |
| Energy - MD-XL Box 3Ph 13.8kVAr 525V 50 Hz | 13.8 | 1 | MEHVBENY138A52 | 9875 |
| Energy - MD-XL Box 3Ph 15.4kVAr 525V 50 Hz | 15.4 | 1 | MEHVBENY154A52 | 11009 |
| Energy - MD-XL Box 3Ph 17.2kVAr 525V 50 Hz | 17.2 | 1 | MEHVBENY172A52 | 12288 |
| Energy - MD-XL Box 3Ph 18.5kVAr 525V 50 Hz | 18.5 | 1 | MEHVBENY185A52 | 13219 |
| Energy - MD-XL Box 3Ph 20.6kVAr 525V 50 Hz | 20.6 | 1 | MEHVBENY206A52 | 14719 |
| Energy - MD-XL Box 3Ph 22.6kVAr 525V 50 Hz | 22.6 | 1 | MEHVBENY226A52 | 16133 |
| Energy - MD-XL Box 3Ph 25kVAr 525V 50 Hz | 25 | 1 | MEHVBENY250A52 | 17876 |
| Energy - MD-XL Box 3Ph 27.5kVAr 525V 50 Hz | 27.5 | 1 | MEHVBENY275A52 | 19643 |
| Energy - MD-XL Box 3Ph 30.6kVAr 525V 50 Hz | 30.6 | 1 | MEHVBENY306A52 | 21870 |
| Energy - MD-XL Box 3Ph 33.1kVAr 525V 50 Hz | 33.1 | 1 | MEHVBENY331A52 | 23647 |
| Energy - MD-XL Box 3Ph 37.7kVAr 525V 50 Hz | 37.7 | 1 | MEHVBENY377A52 | 26942 |
| VarPlus Box APP 525V Range | | | | |
| APP - Box 3Ph 6.9kVAr 525V 50Hz | 6.9 | 1 | MEHVBAPP069A52 | 4910 |
| APP - Box 3Ph 9.2kVAr 525V 50Hz | 9.2 | 1 | MEHVBAPP092A52 | 6549 |
| APP - Box 3Ph 12.5kVAr 525V 50Hz | 12.5 | 1 | MEHVBAPP125A52 | 7817 |
| APP - Box 3Ph 13.8kVAr 525V 50Hz | 13.8 | 1 | MEHVBAPP138A52 | 8626 |
| APP - Box 3Ph 15.4kVAr 525V 50Hz | 15.4 | 1 | MEHVBAPP154A52 | 9626 |
| APP - Box 3Ph 17.2kVAr 525V 50Hz | 17.2 | 1 | MEHVBAPP172A52 | 10773 |
| APP - Box 3Ph 18.5kVAr 525V 50Hz | 18.5 | 1 | MEHVBAPP185A52 | 11569 |
| APP - Box 3Ph 20.6kVAr 525V 50Hz | 20.6 | 1 | MEHVBAPP206A52 | 12884 |
| APP - Box 3Ph 22.6kVAr 525V 50Hz | 22.6 | 1 | MEHVBAPP226A52 | 14133 |
| APP - Box 3Ph 25kVAr 525V 50Hz | 25 | 1 | MEHVBAPP250A52 | 15638 |
| APP - Box 3Ph 27.5kVAr 525V 50Hz | 27.5 | 1 | MEHVBAPP275A52 | 17200 |
| APP - Box 3Ph 30.6kVAr 525V 50Hz | 30.6 | 1 | MEHVBAPP306A52 | 19138 |
| APP - Box 3Ph 33.1kVAr 525V 50Hz | 33.1 | 1 | MEHVBAPP331A52 | 20701 |
| APP - Box 3Ph 37.7kVAr 525V 50Hz | 37.7 | 1 | MEHVBAPP377A52 | 23578 |

Refer to Selection chart for Reactors & Capacitors available on page 15

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

PFC - Detuned Reactors



Detuned Reactor 440V Range

| Description | kVAR Rating | Minimum Ordering Quantity (No.) | Reference | Unit LP  |
|---|-------------|---------------------------------|---|---|
| VarPlus Detuned Reactor 5.7%, 440V Range | | | | |
| Detuned Reactor 5.7% 3Ph 5kVAr 440V 50Hz | 5 | 1 | LVR05050A44 | 9800 |
| Detuned Reactor 5.7% 3Ph 10kVAr 440V 50Hz | 10 | 1 | LVR05100A44 | 14166 |
| Detuned Reactor 5.7% 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | LVR05125A44 | 16200 |
| Detuned Reactor 5.7% 3Ph 15kVAr 440V 50Hz | 15 | 1 | LVR05150A44 | 17177 |
| Detuned Reactor 5.7% 3Ph 20kVAr 440V 50Hz | 20 | 1 | LVR05200A44 | 18232 |
| Detuned Reactor 5.7% 3Ph 25kVAr 440V 50Hz | 25 | 1 | LVR05250A44 | 17100 |
| Detuned Reactor 5.7% 3Ph 50kVAr 440V 50Hz | 50 | 1 | LVR05500A44 | 28594 |
| Detuned Reactor 5.7% 3Ph 75kVAr 440V 50Hz | 75 | 1 | LVR05750A44 | 42890 |
| Detuned Reactor 5.7% 3Ph 100kVAr 440V 50Hz | 100 | 1 | LVR05X00A44 | 57187 |
| VarPlus Detuned Reactor 7%, 440V Range | | | | |
| Detuned Reactor 7% 3Ph 5kVAr 440V 50Hz | 5 | 1 | LVR07050A44 <input checked="" type="checkbox"/> | 8633 |
| Detuned Reactor 7% 3Ph 10kVAr 440V 50Hz | 10 | 1 | LVR07100A44 <input checked="" type="checkbox"/> | 12477 |
| Detuned Reactor 7% 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | LVR07125A44 <input checked="" type="checkbox"/> | 14268 |
| Detuned Reactor 7% 3Ph 15kVAr 440V 50Hz | 15 | 1 | LVR07150A44 <input checked="" type="checkbox"/> | 15129 |
| Detuned Reactor 7% 3Ph 20kVAr 440V 50Hz | 20 | 1 | LVR07200A44 <input checked="" type="checkbox"/> | 16059 |
| Detuned Reactor 7% 3Ph 25kVAr 440V 50Hz | 25 | 1 | LVR07250A44 <input checked="" type="checkbox"/> | 15061 |
| Detuned Reactor 7% 3Ph 50kVAr 440V 50Hz | 50 | 1 | LVR07500A44 <input checked="" type="checkbox"/> | 25058 |
| Detuned Reactor 7% 3Ph 75kVAr 440V 50Hz | 75 | 1 | LVR07750A44 <input checked="" type="checkbox"/> | 37588 |
| Detuned Reactor 7% 3Ph 100kVAr 440V 50Hz | 100 | 1 | LVR07X00A44 <input checked="" type="checkbox"/> | 50118 |
| VarPlus Detuned Reactor 14%, 440V Range | | | | |
| Detuned Reactor 14% 3Ph 5kVAr 440V 50Hz | 5 | 1 | LVR14050A44 | 13142 |
| Detuned Reactor 14% 3Ph 10kVAr 440V 50Hz | 10 | 1 | LVR14100A44 | 18685 |
| Detuned Reactor 14% 3Ph 12.5kVAr 440V 50Hz | 12.5 | 1 | LVR14125A44 | 22016 |
| Detuned Reactor 14% 3Ph 15kVAr 440V 50Hz | 15 | 1 | LVR14150A44 | 22652 |
| Detuned Reactor 14% 3Ph 20kVAr 440V 50Hz | 20 | 1 | LVR14200A44 | 24580 |
| Detuned Reactor 14% 3Ph 25kVAr 440V 50Hz | 25 | 1 | LVR14250A44 | 24092 |
| Detuned Reactor 14% 3Ph 50kVAr 440V 50Hz | 50 | 1 | LVR14500A44 | 40186 |
| Detuned Reactor 14% 3Ph 75kVAr 440V 50Hz | 75 | 1 | LVR14750A44 | 60279 |
| Detuned Reactor 14% 3Ph 100kVAr 440V 50Hz | 100 | 1 | LVR14X00A44 | 80371 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

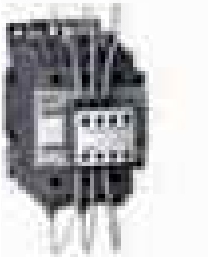
Power Factor Correction Products



APFC Relays

| Description | No. of Step | Minimum Ordering Quantity (No.) | Reference | Unit LP |
|---|-------------|---------------------------------|-----------|---------|
| Varlogic APFC Relays - Classic Range | | | | |
| RT6 , 6 step, 440V, 5A | 6 | 1 | 51207 | 11466 |
| RT8 , 8 step, 440V, 5A | 8 | 1 | 51209 | 14862 |
| RT12 , 12 step, 440V, 5A | 12 | 1 | 51213 | 17242 |
| VarPlus Logic APFC Relays - Advanced Range | | | | |
| VPL06, 6 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485 | 6 | 1 | VPL06N | 25543 |
| VPL12, 12 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485 | 12 | 1 | VPL12N | 27581 |

Capacitor Duty Contactors (AC Control)



- Conformance to IEC 60070 and 60831, UL, CSA
- Special Contactors designed for switching of 3 Phase, single or multi step capacitor bank#
- Current limiting using block of early make poles and damping resistors
- Inbuilt auxiliary contact

| Nominal Reactive Power 440 V | Auxiliary Contacts | Reference | Unit LP |
|--|--------------------|------------|---------|
| LC1-D•K - with Damping Resistors & Block of Early Make polesz | | | |
| 12.5 kVar | 1 NO + 1 NC | LC1DFK* | 2600 |
| 16.7 kVar | 1 NO + 1 NC | LC1DGK11*C | 3650 |
| 20 kVar | 1 NO + 1 NC | LC1DLK* | 4100 |
| 25 kVar | 1 NO + 1 NC | LC1DMK11*C | 4500 |
| 33.3 kVar | 1 NO + 2 NC | LC1DPK*C | 9800 |
| 40 kVar | 1 NO + 2 NC | LC1DTK*C | 13500 |
| 60 kVar | 1 NO + 2 NC | LC1DWK*C | 15200 |

#Contactor recommended upto 6 steps. For over 6 steps it is recommended to use chokes

* Reference to be completed by adding coil voltage code

* Coil Voltage Code

| VOLTAGE | 110 | 220 |
|---------------------|-----|-----|
| LC1DPKDWK 50HZ | F7 | M7 |

Note: For ordering contactors with other coil voltages & frequencies, please add Rs 190/- to the unit price of the standard contactor of the same rating. For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Factor Correction Equipment- VarSet



Reliable

- > Achieves Target set PF
- > Reduces demand kVA
- > Eliminates PF Penalty
- > Highest output to steps ratio "0"
- > Fuel savings in DG

Safe

- > 3ph simultaneous PSD
- > 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 IEC 61921 and Indian Standards.
- > Stringent quality control measures
- > Best Engineering practices
- > Best thermal design for heat dissipation



ISO 9001 ISO 14001
ISO 50001



IGBC Green building
Gold medal



IEC



ROHS



CE



REACH



Canadian Standards



Indian Standards



EAC

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

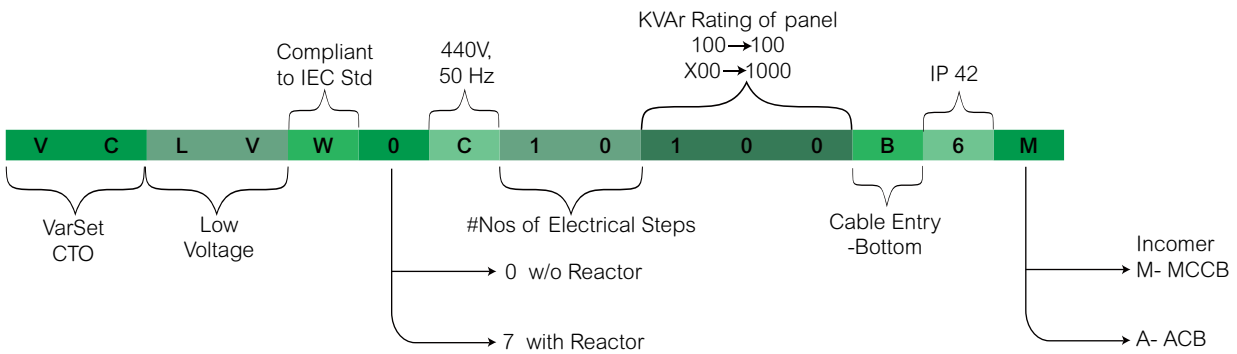
Power Factor Correction Equipment- VarSet

VarSet LV APFC panels without reactors



| Panel Ratings | Step Configuration in kVAr | Cat Reference No. | Dimensions (in mm) W x D x H | Unit LP |
|---------------------|----------------------------------|-------------------|------------------------------|---------|
| Incomer MCCB | | | | |
| 100 | 3x10kVAr + 1x20kVAr + 1x50kVAr | VCLVW0C10100B6M | 800 x 600 x 1800 | 300855 |
| 125 | 2x12.5kVAr + 2x25kVAr + 1x50kVAr | VCLVW0C10125B6M | 800 x 600 x 1800 | 314744 |
| 150 | 2x12.5kVAr + 1x25kVAr + 2x50kVAr | VCLVW0C12150B6M | 800 x 600 x 1800 | 350444 |
| 200 | 2x12.5kVAr + 1x25kVAr + 3x50kVAr | VCLVW0C16200B6M | 800 x 600 x 1800 | 404762 |
| 250 | 2x12.5kVAr + 1x25kVAr + 4x50kVAr | VCLVW0C20250B6M | 800 x 600 x 2000 | 451905 |
| 300 | 2x12.5kVAr + 1x25kVAr + 5x50kVAr | VCLVW0C24300B6M | 1000 x 600 x 2000 | 531190 |
| 350 | 2x12.5kVAr + 1x25kVAr + 6x50kVAr | VCLVW0C28350B6M | 1000 x 600 x 2000 | 559524 |
| 400 | 2x25kVAr + 3x50kVAr + 2x100kVAr | VCLVW0C16400B6M | 1200 x 800 x 2000 | 576190 |
| 500 | 2x25kVAr + 3x50kVAr + 3x100kVAr | VCLVW0C20500B6M | 1200 x 800 x 2000 | 717857 |
| Incomer ACB | | | | |
| 500 | 2x25kVAr + 3x50kVAr + 3x100kVAr | VCLVW0C20500B6A | 1200 x 800 x 2000 | 765238 |
| 600 | 2x25kVAr + 3x50kVAr + 4x100kVAr | VCLVW0C24600B6A | 1600 x 800 x 2000 | 881190 |
| 700 | 2x25kVAr + 3x50kVAr + 5x100kVAr | VCLVW0C28700B6A | 1600 x 800 x 2000 | 987811 |
| 750 | 2x25kVAr + 4x50kVAr + 5x100kVAr | VCLVW0C30750B6A | 1600 x 800 x 2000 | 1049744 |
| 800 | 2x25kVAr + 3x50kVAr + 6x100kVAr | VCLVW0C32800B6A | 2000 x 800 x 2000 | 1088806 |
| 900 | 2x25kVAr + 3x50kVAr + 7x100kVAr | VCLVW0C36900B6A | 2000 x 800 x 2000 | 1179744 |
| 1000 | 2x25kVAr + 1x50kVAr + 9x100kVAr | VCLVW0C40X00B6A | 2000 x 800 x 2000 | 1244359 |

Cat Reference Creation



Product offer:

VarSet LV APFC panels with 7% / without Reactors

Ratings = 100kVAr to 1000kVAr
 Capacitor = MPP HD Can 440/480V, with 3ph simultaneous PSD

General Features:

System voltage = 440V
 Frequency = 50Hz
 Phase = 3
 Design = Modular / Expandable
 IP = IP42
 Switching = Random

Incomer:

Upto 500kVAr = MCCB, 36kA
 500 to 1000kVAr = ACB, 65kA
 Step protection = MCCBs, 36kA

Switching:

Capacitor duty
 Contactor - without Reactor design
 Power Contactors - with Reactor design

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.


NORMAL STOCK ITEMS

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Power Factor Correction Equipment- VarSet

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 LP  |
|---------------------|----------------------------------|-------------------|------------------------------|---|
| Incomer MCCB | | | | |
| 100 | 3x10kVAR + 1x20kVAR + 1x50kVAR | VCLVW7C10100B6M | 1300 x 600 x 1800 | 367949 |
| 125 | 2x12.5kVAR + 2x25kVAR + 1x50kVAR | VCLVW7C10125B6M | 1300 x 600 x 1800 | 388462 |
| 150 | 2x12.5kVAR + 1x25kVAR + 2x50kVAR | VCLVW7C12150B6M | 1300 x 600 x 1800 | 428000 |
| 200 | 2x12.5kVAR + 1x25kVAR + 3x50kVAR | VCLVW7C16200B6M | 1300 x 600 x 1800 | 497381 |
| 250 | 2x12.5kVAR + 1x25kVAR + 4x50kVAR | VCLVW7C20250B6M | 1300 x 600 x 2000 | 554048 |
| 300 | 2x12.5kVAR + 1x25kVAR + 5x50kVAR | VCLVW7C24300B6M | 1500 x 800 x 2000 | 660000 |
| 350 | 2x12.5kVAR + 1x25kVAR + 6x50kVAR | VCLVW7C28350B6M | 1500 x 800 x 2000 | 697619 |
| 400 | 2x25kVAR + 3x50kVAR + 2x100kVAR | VCLVW7C16400B6M | 1700 x 800 x 2000 | 702619 |
| 500 | 2x25kVAR + 3x50kVAR + 3x100kVAR | VCLVW7C20500B6M | 1700 x 800 x 2000 | 866905 |
| Incomer ACB | | | | |
| 500 | 2x25kVAR + 3x50kVAR + 3x100kVAR | VCLVW7C20500B6A | 1700 x 800 x 2000 | 914286 |
| 600 | 2x25kVAR + 3x50kVAR + 4x100kVAR | VCLVW7C24600B6A | 2100 x 800 x 2000 | 1043571 |
| 700 | 2x25kVAR + 3x50kVAR + 5x100kVAR | VCLVW7C28700B6A | 2200 x 800 x 2000 | 1182090 |
| 750 | 2x25kVAR + 4x50kVAR + 5x100kVAR | VCLVW7C30750B6A | 2200 x 800 x 2000 | 1259231 |
| 800 | 2x25kVAR + 3x50kVAR + 6x100kVAR | VCLVW7C32800B6A | 3000 x 800 x 2000 | 1333831 |
| 900 | 2x25kVAR + 3x50kVAR + 7x100kVAR | VCLVW7C36900B6A | 3000 x 800 x 2000 | 1449231 |
| 1000 | 2x25kVAR + 1x50kVAR + 9x100kVAR | VCLVW7C40X00B6A | 3000 x 800 x 2000 | 1531538 |

Note:

- 1) Prices mentioned above are Ex-works Bangalore
- 2) Prices are exclusive of GST
- 3) For any further clarification contact Schneider Electric sales office or Customer Care Center

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

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Accusine PCS+

- All in one: Harmonics, PF, Load unbalance, Flicker
- Fully selectable harmonics: 2nd to 50th
- 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: cULis (UL508, CSA 22.2 No.14) CE Certified
- PCBA Protection - conformal coating on all PCBAs pollution Degree 2



Harmonic Filtration Equipment- AccuSine



- 3 Ph, 4 wire connection
- From 400V - 440V supply
- Parallel connection up to 4 units
- Harmonic cancellation spectrum from 2nd to 50th harmonic order
- Neutral current correction: 3 times unit rating

AccuSine SWP

| Description | AMPS | Minimum Ordering Quantity (No.) | Reference | Unit LP [₹] |
|---|------|---------------------------------|---------------|-------------|
| AccuSine SWP (Single Unit) | | | | |
| AccuSine SWP 20A 400V 50-60Hz IP20 Unitary | 20 | 1 | PCS020Y4IP20U | on request |
| AccuSine SWP 30A 400V 50-60Hz IP20 Unitary | 30 | 1 | PCS030Y4IP20U | on request |
| AccuSine SWP 45A 400V 50-60Hz IP20 Unitary | 45 | 1 | PCS045Y4IP20U | on request |
| AccuSine SWP 60A 400V 50-60Hz IP20 Unitary | 60 | 1 | PCS060Y4IP20U | on request |
| AccuSine SWP 90A 400V 50-60Hz IP20 Unitary | 90 | 1 | PCS090Y4IP20U | on request |
| AccuSine SWP 120A 400V 50-60Hz IP20 Unitary | 120 | 1 | PCS120Y4IP20U | on request |
| AccuSine SWP (Parallel Unit application) | | | | |
| AccuSine SWP 20A 400V 50-60Hz IP20 Parallel | 20 | 1 | PCS020Y4IP20P | on request |
| AccuSine SWP 30A 400V 50-60Hz IP20 Parallel | 30 | 1 | PCS030Y4IP20P | on request |
| AccuSine SWP 45A 400V 50-60Hz IP20 Parallel | 45 | 1 | PCS045Y4IP20P | on request |
| AccuSine SWP 60A 400V 50-60Hz IP20 Parallel | 60 | 1 | PCS060Y4IP20P | on request |
| AccuSine SWP 90A 400V 50-60Hz IP20 Parallel | 90 | 1 | PCS090Y4IP20P | on request |
| AccuSine SWP 120A 400V 50-60Hz IP20 Parallel | 120 | 1 | PCS120Y4IP20P | on request |

Note: Active Harmonic Filter prices on request



- 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 LP [₹] |
|--|------|---------------------------------|---------------|-------------|
| AccuSine PCS+ | | | | |
| 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 |
| 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

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

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Selection of capacitor (kVAr & Voltage) for Detuned filter Application

| Effective kVAr out put 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 |

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

NORMAL STOCK ITEMS

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Life Is On

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- Prices charged will be as prevailing on the date of dispatch.
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- Tax incidence on invoices is basis applicable GST rates. Invoice amount not to exceed MRP.
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %

Distributor