

Life Is On

**Schneider**  
Electric



 Price List

# Panel Builder

With effect from December 29, 2016



[schneider-electric.co.in](http://schneider-electric.co.in)



Low  
Voltage  
Products

<b>Smart Panels</b>	
Introduction to Smart Panels .....	9
<b>Moulded Case Circuit Breakers:</b>	
<b>Compact NSX:</b>	
Range Overview .....	12
MCCBs for Distribution Network.....	16
MCCBs for Motor Protection.....	20
MCCBs for DC Network Protection .....	22
Accessories.....	23
Automatic Source Changeover System.....	26
<b>Compact NS:</b>	
Range Overview .....	28
MCCBs 800A onwards Manual Fixed .....	29
MCCBs 800A onwards Electrical Fixed .....	31
Accessories.....	32
<b>EasyPact CVS:</b>	
Range Overview .....	34
MCCBs for Distribution Network .....	35
MCCBs for Distribution Network and Motor Protection .....	37
Easy-Pact CVS Switch Disconnecter Version.....	38
Accessories.....	39
Type 2 Co-ordination table .....	41
<b>EasyPact EZC:</b>	
Range Overview .....	42
MCCBs for Distribution Network.....	42
Accessories and EasyPact Range Busbar systems .....	43
<b>EasyPact NKS</b>	
MCCBs for AC Distribution Network.....	44
Simipact NKS DC .....	45
<b>Ground Fault / Earth Leakage Protection</b>	
Unique Modular Ground Fault Protection.....	46
Earth Leakage Protection.....	47
Vigirex - Earth Leakage Protection Relay.....	48
<b>Compact- INS &amp; INV Switch Disconnectors.....</b>	49
Switch Disconnector fuse units - range overview .....	50
Fupact Switch Disconnecter and Accessories .....	51
Fupact -Type 2 Co-ordination table.....	52
<b>Air Circuit Breakers:</b>	
<b>Masterpact NT/NW:</b>	
Range Overview .....	54
Micrologic Trip system.....	55
ATS Kit range.....	57
<b>EasyPact MVS:</b>	
Range Overview .....	60
ET/ETA/ETV Trip System .....	61
Draw-out type Circuit breakers and Switch Disconnectors .....	62
Fixed type Circuit breakers and Switch Disconnectors .....	65
Accessories.....	66
<b>EasyPact SPS:</b>	
Range Overview .....	67
Draw-out type Circuit breaker and Switch disconnecter .....	68
Fixed type Circuit breaker and Switch disconnecto .....	69
Accessories .....	69

Switching  
and  
Controlling  
Products

<b>EasyPact TVS</b>	
EasyPact TVS Power Contactors (3 Pole) .....	73
EasyPact TVS Power Contactors (4 Pole) .....	74
EasyPact TVS Control Relays .....	74
EasyPact TVS Thermal Overload Relay.....	75
EasyPact TVS Contactor Accessories.....	76
EasyPact TVS Motor Protection Circuit Breaker .....	77
<b>TeSys K</b>	
TeSys K Control Relays .....	80
TeSys K Power Contactors .....	80
TeSys K Reversing Contactors .....	80
TeSys K Accessories for Contactors .....	81
TeSys K Thermal Overload Relays .....	81
<b>TeSys D</b>	
TeSys D Control Relays .....	82
TeSys D Power Contactors (3 Pole).....	82
TeSys D Low Consumption Contactors.....	83
TeSys D Power Contactors (4 Pole).....	84
TeSys D Capacitor Duty Contactors.....	84
TeSys D - Accessories.....	85
TeSys D Spare Coils AC/DC.....	86
TeSys D Thermal/Electronic Overload Relays .....	91
<b>TeSys F</b>	
TeSys F Power Contactors .....	93
TeSys Vacuum Contactors .....	95
TeSys F - Accessories .....	95
TeSys F Spare Coils AC/DC.....	96
TeSys F Electronic Overload Relays.....	96
<b>TeSys MPCB</b>	
TeSys Motor Circuit Breakers .....	100
TeSys Motor Circuit Breakers Accessories .....	101
<b>Tesys Switches</b>	
TeSys Vario Switch Disconnectors and Accessories .....	105
<b>TeSys Intelligent products</b>	
TeSys T Motor Management System .....	110
TeSys U Advance Motor Starter .....	110
TeSys H Ultra Compact Starter .....	112

Industrial  
Automation  
Products

Phaseo Power Supplies.....	114
Control Transformers .....	115
Altistart Soft Starters .....	117
Variable Speed Drivers.....	119
Zelio Plug-in-Relays.....	120
Zelio SSR / Electronic Timer .....	128
Harmony Control and Signalling Units .....	129

Final  
Distribution  
Products

<b>Acti 9 Distribution System</b>	
ComReady Control and Command Products.....	136
Miniature Circuit Breakers (MCBs).....	140
Residual Current Devices (RCDs).....	143
Auxiliaries and Accessories for MCBs/RCDs .....	146
Surge Protection Devices (SPDs).....	147
Control and Command Products.....	150
<b>Enclosures and Plugs &amp; Sockets</b>	
Pratika Plugs & Sockets - IP44/67 .....	152

Power  
Monitoring  
Products

Power Monitoring Offer .....	156
Tailored Offers for Specific Applications and Segments	
BCPM DataCenter Management with Information .....	157
Vigilohm Range of Insulation Monitoring Devices .....	157
PowerLogic CM4000T .....	157
High Accuracy, Specialized Solutions - for MV/LV Distribution	
PowerLogic™ ION 7650 / 7550 .....	158
PowerLogic™ ION 8800 / 8650.....	158
PowerLogic™ PM8000 Series Power Quality Analyser <span>New</span> .....	158
PowerLogic™ Additional Offers .....	158
High Accuracy, Compact, Power Meters - for MV/LV Distribution	
PowerLogic™ PM5000 Series Power Meters .....	159
Smart Demand Controller - EM7200 Series .....	160
EasyLogic PM2000 Series <span>New</span> .....	160
DIN Rail Mount Meters - Accurate, Flexible Power Meters	
PowerLogic™ PM3200 Series CI 0.5S Power Meters .....	161
PowerLogic™ iEM3000 Series Class 1.0 Power Meters.....	161
Ethernet Communication Gateways and Meters	
Ethernet - TCP/IP Protocol Meters & Accessories.....	162
Ethernet Communication Gateway Server / Converters.....	162
India's Most Trusted, Reliable and Accurate Multifunction Meters	
EM6400NG Series <span>New</span> .....	163
EM 6436 - EntryLevel Multi Function Meter.....	164
EM 6434 - Power & Energy Meter .....	164
EM 6433 - Energy Meter .....	164
EM 6459 Series - VAF, PF Meters .....	164
Dual Source Meters - Energy & Entry Level Multi Function	
EM 6436 Dual - Dual Source Entry Level Multi Function Meter.....	165
EM 6438 - Dual Source Energy Meter .....	165
Specialized Small Form Factor Meters - ELF Series	
ELF32xx Series - VAF, Power & Energy Meters .....	165
Specialized Counter Energy Meter - DM52xx Series	
DM52xx .....	166
LCD Display Energy Meter & VAF+PF Meter	
EM1000 / EM 1200 Series .....	166
DM 6100 Series - VAF, PF Meter.....	166
CE Compliance- Volt/Amp/ Frequency meter	
EasyLogic™ DM3000 / DM1000.....	166
Basics - Voltage / Ampere / Frequency Meter	
DM3000 / DM1000.....	167

Power  
Quality  
Products

LV- Power Quality Products and Systems

Can Type 440V Range..... 168

Box Type 440V Range ..... 169

Capacitor for Detuned filter Application 480V & 525V ..... 170

Detuned Reactor 440V Range 5.67 % ,7% & 14 % . ..... 173

APFC Relays- Varlogic. .... 174

TeSys Capacitor Duty Contactors (AC control). .... 174

Power Factor Correction Equipment- VarSet . ..... 175

Harmonic Filtration Equipment- AccuSine. .... 177

Selection of capacitor (kVAr & Voltage) for Detuned filter  
Application. .... 178

Co-  
ordination  
Charts

Selection Chart

Selection Chart for EasyPact TVS DOL (Type 2 Co-ordination with Fuse) . . . . . 179

Selection Chart for EasyPact TVS Star Delta (Type 2 Co-ordination with Fuse) . . . . . 179

Selection Chart for TeSys Standard DOL Motor Starters (Type 1 Co-ordination with MPCB at 415 V). . . . . 180

Selection Chart for TeSys High Performance DOL Motor Starters (Type 2 Co-ordination with MPCB at 415 V) . . . . . 180





# Power Distribution Redefined

Smart Panels, digitised electrical  
switchboards for buildings



[www.schneider-electric.com/smart-panels](http://www.schneider-electric.com/smart-panels)



# Smart Panels

Make your electrical installations smart, simple & reliable



## 1 Measure

Embedded and stand-alone metering & control capabilities

## 2 Connect

- > Integrated communication interfaces
- > Ready to connect to energy management platforms

## 3 Act

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



### Ethernet connected switchboards



#### Ethernet

- > Widely used in buildings, easy to wire

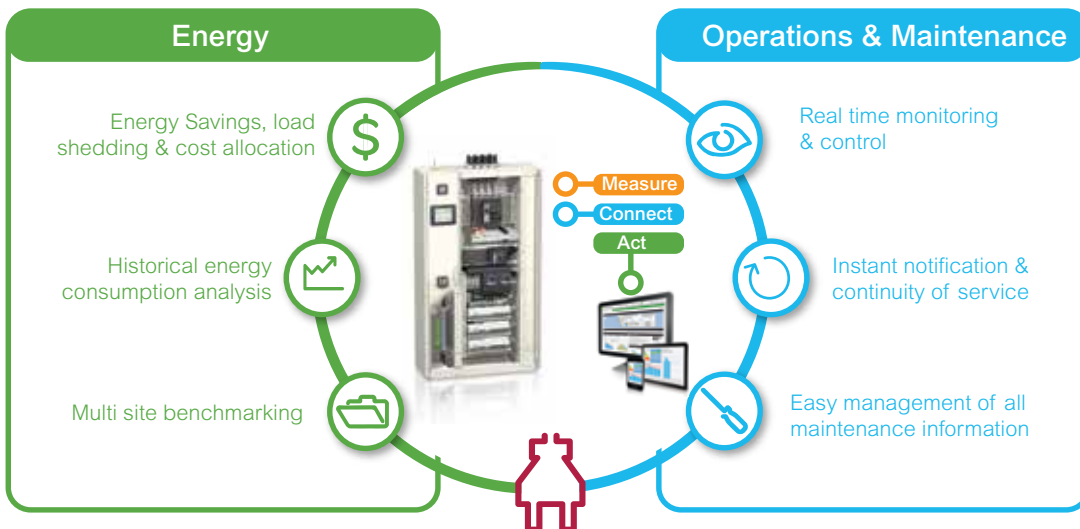
Ethernet network is widely distributed to multiple users in buildings. A simple RJ45 socket is required to connect each switch board

- > Nomadic wireless with WiFi

Is also available in buildings and used by technicians during operations and maintenance.

- > Access from any PC or Ethernet FDM128 monitor

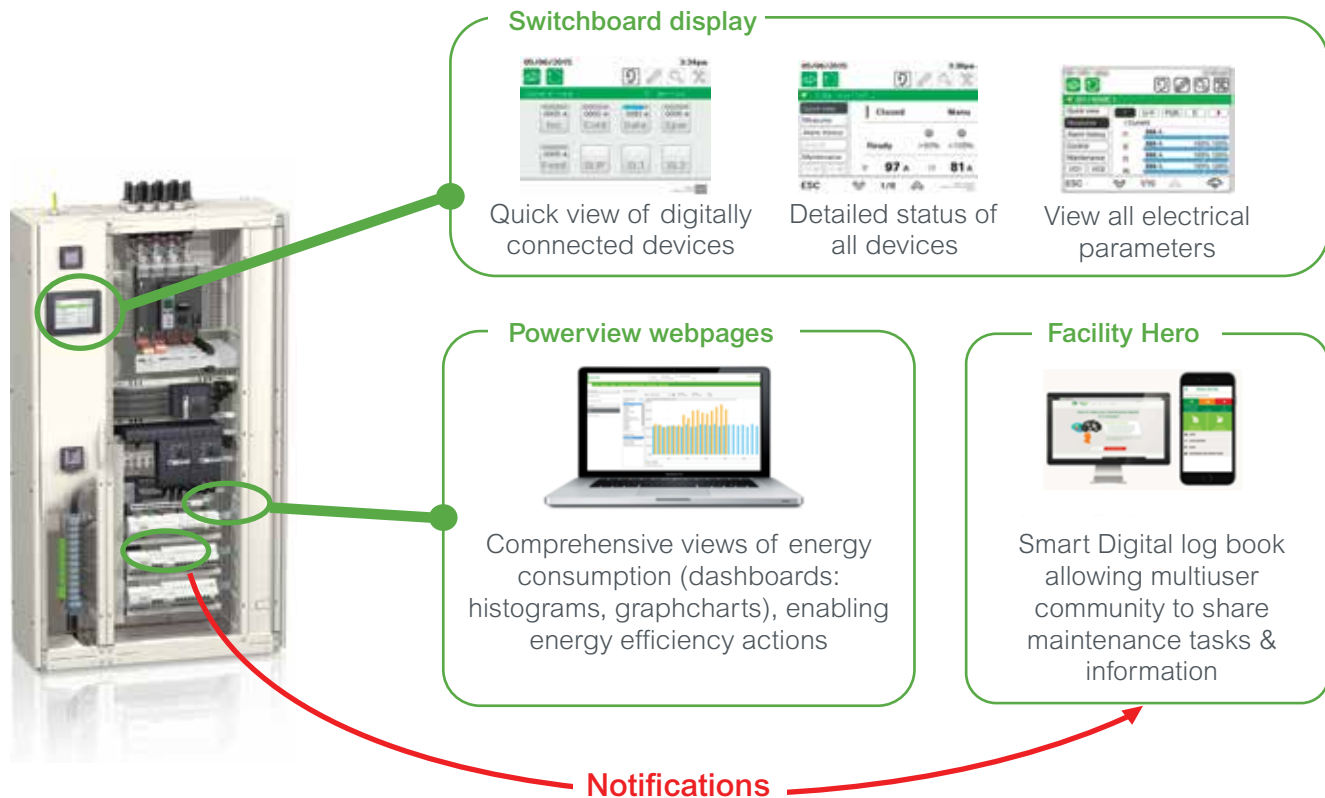
- PC: with common Internet Browser,
- FDM 128: Installed on the front panel or at any remote location of the building



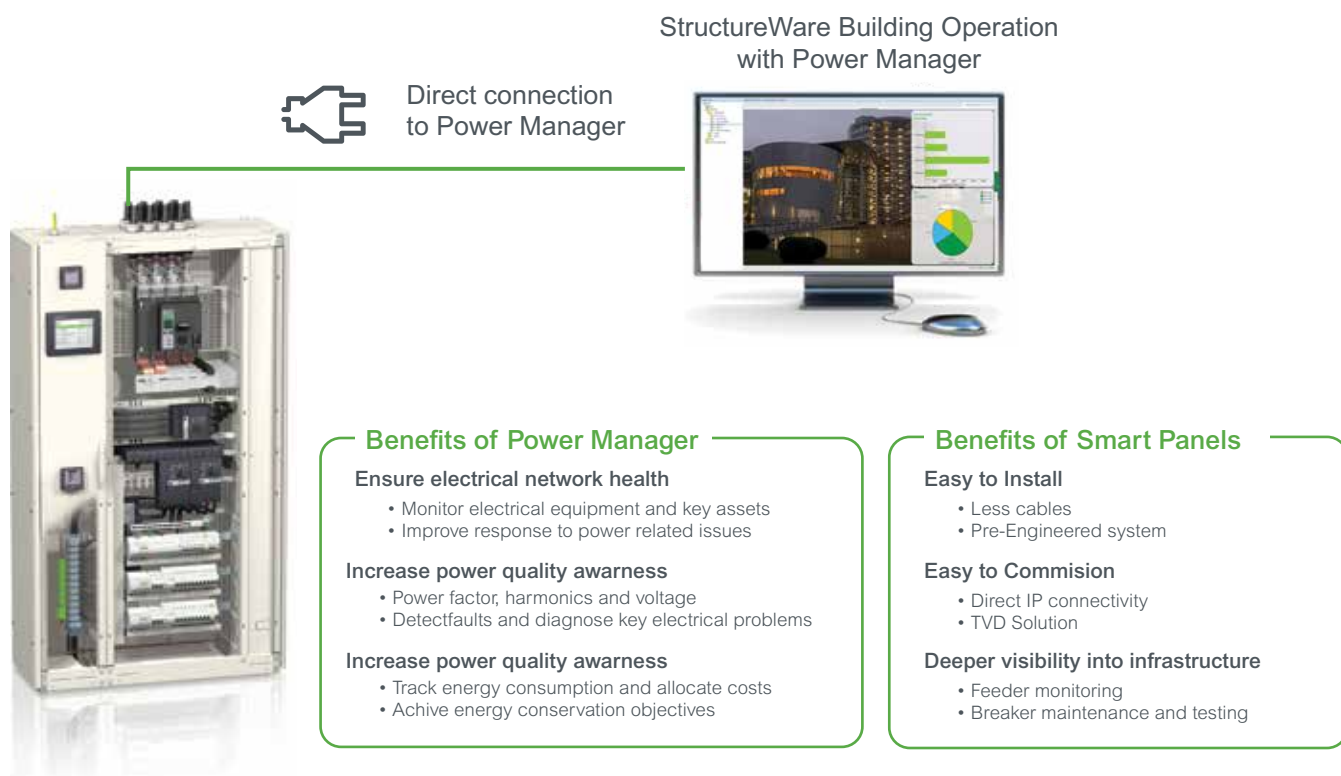
Ready to plug'in to Building and Energy management softwares

# Smart Panels

Simple energy & maintenance management without expensive software licenses



# Advanced integrated softwares for comprehensive Energy & Building management



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 =>  $I_{cs} = I_{cu} = 100kA @ 690V AC$

### 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

# Type of Trip Units

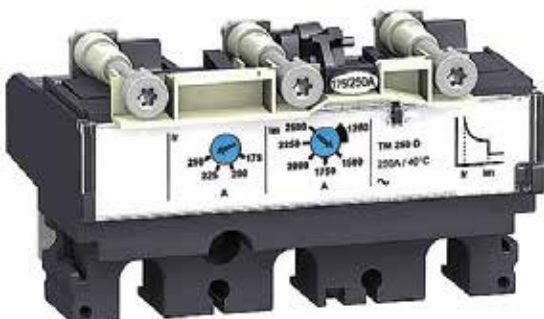
## Micrologic Trip Units

(ASIC-Application Specific Integrated Circuit)



	Protection	Cases	Measurement	Application
	↓	↓	↓	↓
	1 I 2 LS <sub>0</sub> I 5 LSI 6 LSIG	2 NSX100-250 3 NSX400-630	A Ammeter E Energy Meter	--- Distribution G Generator AB Subscriber M Motor Z 16Hz 2/3
<b>Example</b>				
Micrologic 1.3 M	I	400 or 630 A		Motor
Micrologic 2.2 G	LS <sub>0</sub> I	100, 160 or 250 A		Generator
Micrologic 2.3	LS <sub>0</sub> I	400 or 630 A		Distribution
Micrologic 2.3 M	LS <sub>0</sub> I	400 or 630 A		Motor
Micrologic 5.2 A	LSI	100, 160 or 250 A	Ammerter	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<sub>r</sub>) 0.7 - 1 x I<sub>n</sub>
- Short Circuit Setting (I<sub>m</sub>)
- Fixed upto 160A
- Adjustable 5 - 10 x I<sub>r</sub> (for 200A - 250A)

- I** - Instantaneous
- S<sub>0</sub>** - Short Time with Fixed Time Delay
- S** - Short Time with Adjustable Time Delay
- G** - Ground Fault

# 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



Note: For product references & prices contact Customer Care

## 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 10<sup>5</sup> A<sup>2</sup>S

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]	Four Pole Reference	Unit LP [₹]
25kA	16A	LV429557	8830	LV429567	12700
	25A	LV429556 ✓	8830	LV429566	12700
	32A	LV429555 ✓	8830	LV429565	12700
	40A	LV429554 ✓	8830	LV429564	12700
	50A	LV429553	8830	LV429563	12700
	63A	LV429552 ✓	8830	LV429562 ✓	12700
	80A	LV429551 ✓	8830	LV429561	12700
	100A	LV429550 ✓	8830	LV429560 ✓	12700
	125A	LV430311 ✓	15550	LV430321 ✓	19190
	160A	LV430310 ✓	15550	LV430320 ✓	19190
36kA	200A	LV431111	24260	LV431121 ✓	29190
	250A	LV431110 ✓	24260	LV431120 ✓	29190
	16A	LV429637 ✓	10930	LV429647	13830
	25A	LV429636 ✓	10930	LV429646	13830
	32A	LV429635 ✓	10930	LV429645 ✓	13830
	40A	LV429634 ✓	10930	LV429644	13830
	50A	LV429633	10930	LV429643	13830
	63A	LV429632 ✓	10930	LV429642 ✓	13830
	80A	LV429631 ✓	10930	LV429641	13830
	100A	LV429630 ✓	10930	LV429640 ✓	13830
50kA	125A	LV430631 ✓	16330	LV430641 ✓	20120
	160A	LV430630 ✓	16330	LV430640 ✓	20120
	200A	LV431631 ✓	25060	LV431641 ✓	30890
	250A	LV431630 ✓	25060	LV431640 ✓	30890
	16A	LV429847	12320	LV429857	15600
	25A	LV429846	12320	LV429856	15600
	32A	LV429845 ✓	12320	LV429855	15600
	40A	LV429844 ✓	12320	LV429854	15600
	50A	LV429843	12320	LV429853	15600
	63A	LV429842 ✓	12320	LV429852	15600
70kA	80A	LV429841 ✓	12320	LV429851	15600
	100A	LV429840 ✓	12320	LV429850	15600
	125A	LV430841 ✓	18980	LV430851	21320
	160A	LV430840 ✓	18980	LV430850	21320
	200A	LV431831 ✓	26100	LV431841	31880
	250A	LV431830 ✓	26100	LV431840	31880
	16A	LV429677	16540	LV429687	21530
	25A	LV429676	16540	LV429686	21530
	32A	LV429675	16540	LV429685	21530
	40A	LV429674	16540	LV429684	21530
70kA	50A	LV429673	16540	LV429683	21530
	63A	LV429672 ✓	16540	LV429682	21530
	80A	LV429671	16540	LV429681	21530
	100A	LV429670 ✓	16540	LV429680	21530
	125A	LV430671	30780	LV430681	33020
	160A	LV430670 ✓	30780	LV430680	33020
	200A	LV431671	35200	LV431681	45290
	250A	LV431670 ✓	35200	LV431680	45290

**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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016



With Micrologic 2 ( $\mu$ P -ASIC based)



- Protection type LS<sub>0</sub>IN
- 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"/>	15710	LV429787	20800
	100A	LV429775 <input checked="" type="checkbox"/>	15710	LV429785 <input checked="" type="checkbox"/>	20800
	160A	LV430745 <input checked="" type="checkbox"/>	20060	LV430750 <input checked="" type="checkbox"/>	25590
	250A	LV431140 <input checked="" type="checkbox"/>	26360	LV431150 <input checked="" type="checkbox"/>	33810
36kA	40A	LV429772	16200	LV429782	20900
	100A	LV429770 <input checked="" type="checkbox"/>	16200	LV429780 <input checked="" type="checkbox"/>	20900
	160A	LV430770 <input checked="" type="checkbox"/>	20710	LV430780 <input checked="" type="checkbox"/>	27980
	250A	LV431770 <input checked="" type="checkbox"/>	28410	LV431780 <input checked="" type="checkbox"/>	38410
	400A	LV432676 <input checked="" type="checkbox"/>	38260	LV432677 <input checked="" type="checkbox"/>	43690
50kA	630A	LV432876 <input checked="" type="checkbox"/>	40450	LV432877 <input checked="" type="checkbox"/>	52440
	40A	LV429797	19470	LV429807	26680
	100A	LV429795 <input checked="" type="checkbox"/>	19470	LV429805 <input checked="" type="checkbox"/>	27480
	160A	LV430775 <input checked="" type="checkbox"/>	24660	LV430785	30710
	250A	LV431870 <input checked="" type="checkbox"/>	31140	LV431875 <input checked="" type="checkbox"/>	40610
70kA	400A	LV432693 <input checked="" type="checkbox"/>	40930	LV432694 <input checked="" type="checkbox"/>	50990
	630A	LV432893 <input checked="" type="checkbox"/>	42850	LV432894 <input checked="" type="checkbox"/>	56740
	40A	LV429792	24770	LV429802	31350
	100A	LV429790	24810	LV429800	31540
	160A	LV430790	33600	LV430800	41250
70kA	250A	LV431790	38250	LV431800	52970
	400A	LV432695 <input checked="" type="checkbox"/>	46520	LV432696	61500
	630A	LV432895 <input checked="" type="checkbox"/>	48170	LV432896	74160

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 ( $\mu$ P -ASIC based ) / TMD / MA+ shunt +GFP

- Protection type LS<sub>0</sub>IGN
- 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"/>	5200	GFP11CT14P <input checked="" type="checkbox"/>	5690
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	5910	GFP12CT24P <input checked="" type="checkbox"/>	6670
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	8920	GFP13CT34P <input checked="" type="checkbox"/>	9740
CVS 800	800	GFP14CT43P <input checked="" type="checkbox"/>	11010	GFP14CT44P <input checked="" type="checkbox"/>	12320

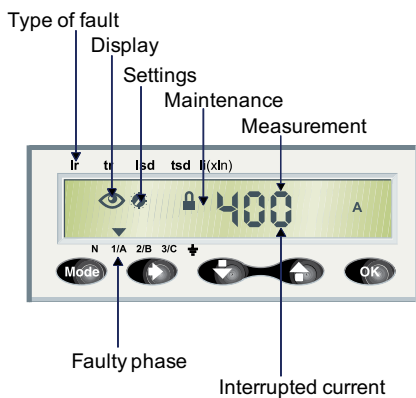
**Note:** Kindly order NSX/CVS MCCB +GFP+. Shunt trip coil.

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

NORMAL STOCK ITEMS

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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 Isd 1.5 - 10 x Ir and tsd I<sup>2</sup>tON/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 I<sup>2</sup>tON/OFF 0.1 - 0.4s
- Instantaneous protection Ii 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)
- 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	36950	LV429015X62A40	41360
	100A	LV429014X62A100	36950	LV429015X62A100	41360
	160A	LV430390X62A160	39080	LV430395X62A160	46990
	250A	LV431390X62A250	44740	LV431395X62A250	53610
36kA	40A	LV429003X62A40	36950	LV429008X62A40	42380
	100A	LV429003X62A100	36950	LV429008X62A100	42380
	160A	LV430403X62A160	40190	LV430408X62A160	47810
	250A	LV431403X62A250	45070	LV431408X62A250	55370
	400A	LV432413X63A400	52820	LV432415X63A400	59540
50kA	630A	LV432813X63A630	60690	LV432815X63A630	70770
	40A	LV429006X62A40	40190	LV429011X62A40	45620
	100A	LV429006X62A100	40190	LV429011X62A100	45620
	160A	LV430406X62A160	45620	LV430411X62A160	48870
	250A	LV431406X62A250	48750	LV431411X62A250	56700
	400A	LV432403X63A400	54290	LV432408X63A400	65770
70kA	630A	LV432803X63A630	60910	LV432808X63A630	75300
	40A	LV429004X62A40	44510	LV429009X62A40	51050
	100A	LV429004X62A100	44510	LV429009X62A100	51050
	160A	LV430404X62A160	54550	LV430409X62A160	60800
	250A	LV431404X62A250	55650	LV431409X62A250	84700
	400A	LV432404X63A400	69530	LV432409X63A400	86880
	630A	LV432804X63A630	71660	LV432809X63A630	95250

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

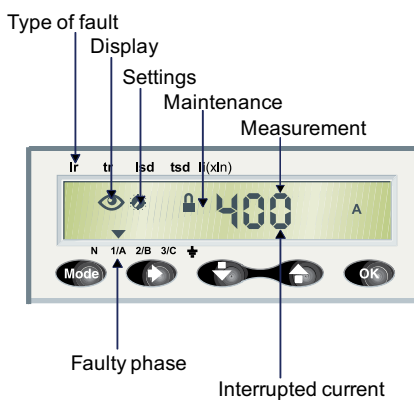
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Micrologic 6 E (Embedded Energy metering and communication capable)



- 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	52965	LV429015X62E40	58850
	100A	LV429014X62E100	52965	LV429015X62E100	58850
	160A	LV430390X62E160	53000	LV430395X62E160	59000
	250A	LV431390X62E250	54060	LV431395X62E250	65730
36KA	40A	LV429003X62E40	54120	LV429008X62E40	59110
	100A	LV429003X62E100	54120	LV429008X62E100	59110
	160A	LV430403X62E160	55000	LV430408X62E160	60000
	250A	LV431403X62E250	55650	LV431408X62E250	65800
	400A	LV432413X63E400	68750	LV432415X63E400	78780
50KA	630A	LV432813X63E630	78090	LV432815X63E630	94450
	40A	LV429006X62E40	55330	LV429011X62E40	60010
	100A	LV429006X62E100	55330	LV429011X62E100	60010
	160A	LV430406X62E160	55650	LV430411X62E160	61210
	250A	LV431406X62E250	57800	LV431411X62E250	68500
70KA	400A	LV432403X63E400	70020	LV432408X63E400	82390
	630A	LV432803X63E630	80610	LV432808X63E630	97950
	40A	LV429004X62E40	60010	LV429009X62E40	67100
	100A	LV429004X62E100	60010	LV429009X62E100	67100
	160A	LV430404X62E160	62000	LV430409X62E160	69550
70KA	250A	LV431404X62E250	66350	LV431409X62E250	96300
	400A	LV432404X63E400	81850	LV432409X63E400	98450
	630A	LV432804X63E630	89880	LV432809X63E630	110200

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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

With Magnetic Trip Unit MA type



- Ics = 100% Icu as per IEC 60947-2
- Adjustable magnetic setting  $I_m$  6 - 14 x  $I_n$  (2.5 - 100A) & 9 - 14 x  $I_n$  (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 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]
36kA	2.5A	LV429745	11350
	6.3A	LV429744	11350
	12.5A	LV429743	11350
	25A	LV429742	11350
	50A	LV429741	11350
	100A	LV429740 <input checked="" type="checkbox"/>	11350
	150A	LV430830	16120
50kA	2.5A	LV429755	13460
	6.3A	LV429754	13460
	12.5A	LV429753	13460
	25A	LV429752	13460
	50A	LV429751	13460
	100A	LV429750 <input checked="" type="checkbox"/>	13460
	150A	LV430832	19690
70kA	2.5A	LV431752	29040
	2.5A	LV429765	17300
	6.3A	LV429764	17300
	12.5A	LV429763	17300
	25A	LV429762	17300
	50A	LV429761	17300
	100A	LV429760	17300
150A	LV430834	29820	
	220A	LV431756	46260

With Micrologic 1.3M



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable short circuit  $I_{sd} = 5 - 13 \times I_n$
- Front indication LED (Ready LED)
- Type - 2 Co-ordination charts upto 250 kW at 400V
- Rated at 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]
36kA	320A	LV432748	36510
	500A	LV432948	43910
50kA	320A	LV432749	39960
	500A	LV432949	45860
70kA	320A	LV432750	51660
	500A	LV432950	51980

**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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

With Micrologic 2M ( $\mu$ P - ASIC based)



- Ics = 100% Icu as per IEC 60947-2
- Adjustable overload Ir 0.45 - 1 x In
- Adjustable short circuit I<sub>sd</sub> 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 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]
36kA	25A	LV429828	16470
	50A	LV429827	16470
	100A	LV429825	16470
	150A	LV430985	24420
	220A	LV431160	32560
	320A	LV432775	44280
50kA	500A	LV432975	53360
	25A	LV429833	20440
	50A	LV429832	20440
	100A	LV429830	20440
	150A	LV430988	27210
	220A	LV431165	34330
70kA	320A	LV432776	50880
	500A	LV432976	52480
	25A	LV429838	24870
	50A	LV429837	24870
	100A	LV429835	24870
	150A	LV430991	40080
	220A	LV431170	43860
	320A	LV432777	61300
	500A	LV432977	64260

**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<sub>sd</sub> 5 - 13 x Ir
- Ground fault protection: I<sub>g</sub> 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and t<sub>g</sub> I<sub>2t</sub>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<sub>jam</sub> 1 - 8 x Ir or I<sub>jam</sub> can be made OFF and t<sub>jam</sub> 1 - 30s
- Under-Load (under-current): I<sub>und</sub> 0.3 - 0.9 x Ir or I<sub>und</sub> can be made OFF and t<sub>und</sub> 1 - 200s
- Long Starts I<sub>long</sub> 1 - 8 x Ir or I<sub>long</sub> can be made OFF and t<sub>long</sub> 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

NORMAL STOCK ITEMS

WE.F. December 29, 2016

# 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

		NSX100	NSX160	NSX250	NSX400	NSX630		NSX1200	
Poles	Breaking Capacity	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	14900	LV438008XTMDC100	21205
	160A	LV438103XTMDC160	18340	LV438108XTMDC160	24755
	250A	LV438203XTMDC250	22850	LV438208XTMDC250	29800
	400A	LV438267	31720	LV438262	36010
	500A	LV438268	38050	LV438263	46510
	600A	LV438269	40190	LV438264	48650
100kA	100A	LV438018XTMDC100	17770	LV438019XTMDC100	24070
	160A	LV438118XTMDC160	22590	LV438119XTMDC160	29800
	250A	LV438218XTMDC250	38560	LV438219XTMDC250	40700
	400A	LV438277	45290	LV438272	55180
	500A	LV438278	49470	LV438273	59670
	600A	LV438279	49470	LV438274	59670

**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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016



Indication contacts



SDTAM remote indication relay module



SDx remote indication relay module



Voltage Release



Motor Mechanism

Description	Reference	Unit LP [₹]
<b>Auxiliary Contacts (Changeover) Multifunction</b>		
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	900
OF or SD or SDE or SDV low level	29452	930
SDE adaptor for trip unit TM or MA or Micrologic 2 \$\$	LV429451 <input checked="" type="checkbox"/>	670
<b>SDx 2-Programmable Contacts for Micrologic</b>		
SDx module 24/415 V AC/DC	LV429532	10650
<b>SDTAM Contactor Tripping Module for Micrologic 2- M/6 E-M</b>		
SDTAM 24/415 V AC/DC overload fault indication	LV429424	11035

\$\$ 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 [₹]
<b>AC</b>				
24 V 50/60 Hz	LV429384	2210	LV429404	2830
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	
<b>DC</b>				
12 V	LV429382	2210	LV429402	2830
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 [₹]
<b>Spreaders &amp; Phase Barrier</b>				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	670	32492 <input checked="" type="checkbox"/>	1450
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	880	32493 <input checked="" type="checkbox"/>	1850
Phase Barrier (Set of 6)	*	-	LV432570 <input checked="" type="checkbox"/>	720
<b>Interlocking</b>				
For Breaker with Rotary Handle	LV429369	8390	LV432621	10560
For Breaker with Toggle	LV429354	9085	LV432614	10560
Mechanical Interlocking with Base Plate	29349**	17305	32609**	36460
<b>Locking of Rotary Handle</b>				
Locking Device	LV429344 <input checked="" type="checkbox"/>	520	LV432604 <input checked="" type="checkbox"/>	720
Ronis Keylock (1 Lock + 1 Key set)	41940 <input checked="" type="checkbox"/>	3660	41940 <input checked="" type="checkbox"/>	3660
Ronis Keylock (2 Locks + 1 Key set)	41950 <input checked="" type="checkbox"/>	7060	41950 <input checked="" type="checkbox"/>	7060
Profalux Keylock (1 Lock + 1 Key set)	42888	6180	42888	6180
Profalux Keylock (2 Locks + 1 Key set)	42878	7060	42878	7060

\* 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



FDM121: Front Display Module



Test Battery



Power Supply Module



BSCM: Breaker Status and Control Module

## Motor Mechanism

Type	Voltage	100/160A Reference	Unit LP [₹]	250A Reference	Unit LP [₹]	400/630A Reference	Unit LP [₹]
<b>Motor Mechanism Modules with SDE adaptor <sup>(1)</sup></b>							
AC 50/60 Hz	48-60 V	LV429440	20810	LV431548	22990	LV432639	32770
	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	
	440-480 V	LV429435		LV431542		LV432647	
DC	24-30 V	LV429436	26970	LV431543	29250	LV432643	38660
	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 [₹]
<b>Locking of Motor Mechanism</b>				
Keylock adaptor + Ronis keylock (special)	LV429449	2710	-	-
Locking Device	-	-	LV432649	820
Ronis Keylock	-	-	41940 <input checked="" type="checkbox"/>	3660
Profalux Keylock	-	-	42888	6180
Torque Limiting Screws (Set of 12)	LV429513	1910	LV432513	2270

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

### Monitoring and Control (Remote Operation)

Description	Reference	Unit LP [₹]
<b>ULP Display Module</b>		
Switchboard front display module FDM121	TRV00121 <input checked="" type="checkbox"/>	11140
<b>ULP Wiring Accessories</b>		
NSX cord L = 0.35 m	LV434200	2565
NSX cord L = 1.3 m	LV434201 <input checked="" type="checkbox"/>	2360
5 RJ45/RJ45 MALE Cord L = 1m	TRV00810	2430
10 Stacking connectors for COM interface	TRV00217	3790
<b>ULP Communication Module</b>		
IFM MODBUS Interface Module	TRV00210	9590
BSCM ( Breaker Status and Control Module)	LV434205 <input checked="" type="checkbox"/>	8090
<b>Power Supply Modules</b>		
<b>External power supply module 24 V DC-1 A OVC IV</b>		
24-30 V DC	54440	14180
48-60 V DC	54441	
100-125 V AC	54442	15910
110-130 V AC	54443	
200-240 V AC	54444 <input checked="" type="checkbox"/>	11930
380-415 V AC	54445	15910
Pocket battery for Micrologic NSX100-630	LV434206	16220

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016





Direct Rotary Handle



Extended Rotary Handle



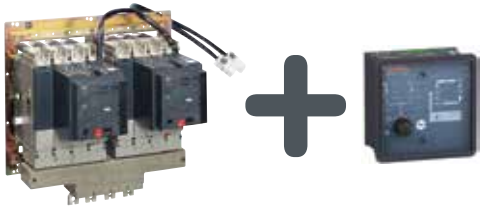
Plug in Base



Draw-Out Chassis Kit

Description	100/160/250A Reference	Unit LP [₹]	400/630A Reference	Unit LP [₹]
<b>Rotary Handles</b>				
Standard direct black handle	LV429337 <input checked="" type="checkbox"/>	1130	LV432597 <input checked="" type="checkbox"/>	1700
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1840	LV432598 <input checked="" type="checkbox"/>	3310
<b>Plug in Base (Complete Kit)</b>				
3 Pole	LV429289 <input checked="" type="checkbox"/>	7870	LV432538 <input checked="" type="checkbox"/>	18050
4 Pole	LV429290 <input checked="" type="checkbox"/>	10180	LV432539 <input checked="" type="checkbox"/>	22500
<b>Draw-Out Chassis Kit</b>				
3 Pole				
Plug In base	LV429289 <input checked="" type="checkbox"/>	7870	LV432538 <input checked="" type="checkbox"/>	18050
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	10610	LV432532 <input checked="" type="checkbox"/>	13440
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	5610	LV432533 <input checked="" type="checkbox"/>	7830
4 Pole				
Plug In base	LV429290 <input checked="" type="checkbox"/>	10180	LV432539 <input checked="" type="checkbox"/>	22500
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	10610	LV432532 <input checked="" type="checkbox"/>	13440
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	5610	LV432533 <input checked="" type="checkbox"/>	7830
<b>Plug In / Withdrawable version Accessories</b>				
<b>Automatic Auxilliary Connectors</b>				
1 9-wire fixed connector (for base)	LV429273	1120	LV429273	1120
1 9-wire moving connector (for circuit breaker)	LV429274	770	LV432523 <input checked="" type="checkbox"/>	820
1 support for 2 moving connectors	LV429275	590	LV432525 <input checked="" type="checkbox"/>	590
<b>Manual Auxilliary Connectors</b>				
9-wire manual auxiliary connector (fixed + moving)	LV429272	3795	LV429272	3795

**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	215620	LV4A3F100100U4	235965
NSX160F	NSX100F	LV4A3F160100B4	222515	LV4A3F160100U4	242850
NSX160F	NSX160F	LV4A3F160160B4	228895	LV4A3F160160U4	249235
NSX250F	NSX100F	LV4A3F250100B4	236865	LV4A3F250100U4	257205
NSX250F	NSX160F	LV4A3F250160B4	243755	LV4A3F250160U4	264100
NSX250F	NSX250F	LV4A3F250250B4	258055	LV4A3F250250U4	278400
NSX400F	NSX100F	LV4A3F400100B4*	276700	LV4A3F400100U4*	264890
NSX400F	NSX160F	LV4A3F400160B4*	282520	LV4A3F400160U4*	270085
NSX400F	NSX250F	LV4A3F400250B4*	263590	LV4A3F400250U4*	281730
NSX400F	NSX400F	LV4A3F400400B4	317440	LV4A3F400400U4	337775
NSX630F	NSX160F	LV4A3F630160B4*	254715	LV4A3F630160U4*	272860
NSX630F	NSX250F	LV4A3F630250B4*	266355	LV4A3F630250U4*	284495
NSX630F	NSX400F	LV4A3F630400B4	320600	LV4A3F630400U4	340945
NSX630F	NSX630F	LV4A3F630630B4	323710	LV4A3F630630U4	344050

## 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	224155	LV4A4F100100U4	244495
NSX160F	NSX100F	LV4A4F160100B4	231895	LV4A4F160100U4	252235
NSX160F	NSX160F	LV4A4F160160B4	233990	LV4A4F160160U4	254330
NSX250F	NSX100F	LV4A4F250100B4	248725	LV4A4F250100U4	269070
NSX250F	NSX160F	LV4A4F250160B4	256410	LV4A4F250160U4	276755
NSX250F	NSX250F	LV4A4F250250B4	260235	LV4A4F250250U4	266300
NSX400F	NSX100F	LV4A4F400100B4*	289810	LV4A4F400100U4*	276535
NSX400F	NSX160F	LV4A4F400160B4*	266135	LV4A4F400160U4*	284275
NSX400F	NSX250F	LV4A4F400250B4*	278795	LV4A4F400250U4*	296930
NSX400F	NSX400F	LV4A4F400400B4	331000	LV4A4F400400U4	351340
NSX630F	NSX160F	LV4A4F630160B4*	276535	LV4A4F630160U4*	294670
NSX630F	NSX250F	LV4A4F630250B4*	289190	LV4A4F630250U4*	307325
NSX630F	NSX400F	LV4A4F630400B4	342695	LV4A4F630400U4	363035
NSX630F	NSX630F	LV4A4F630630B4	354335	LV4A4F630630U4	374680

\* 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.

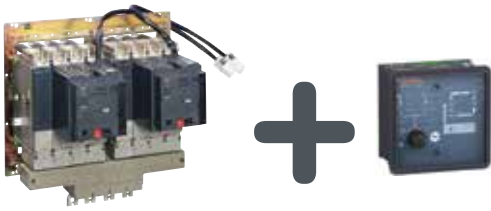
UA controller with 220/240V AC is not available

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



### 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	219580	LV4A3N100100U4	239920
NSX160N	NSX100N	LV4A3N160100B4	228390	LV4A3N160100U4	248725
NSX160N	NSX160N	LV4A3N160160B4	232800	LV4A3N160160U4	253135
NSX250N	NSX100N	LV4A3N250100B4	239125	LV4A3N250100U4	259470
NSX250N	NSX160N	LV4A3N250160B4	247935	LV4A3N250160U4	268275
NSX250N	NSX250N	LV4A3N250250B4	258730	LV4A3N250250U4	279070
NSX400N	NSX100N	LV4A3N400100B4*	252070	LV4A3N400100U4*	270205
NSX400N	NSX160N	LV4A3N400160B4*	258225	LV4A3N400160U4*	276355
NSX400N	NSX250N	LV4A3N400250B4*	267375	LV4A3N400250U4*	285520
NSX400N	NSX400N	LV4A3N400400B4	321505	LV4A3N400400U4	341845
NSX630N	NSX160N	LV4A3N630160B4*	262465	LV4A3N630160U4*	280605
NSX630N	NSX250N	LV4A3N630250B4*	271565	LV4A3N630250U4*	289695
NSX630N	NSX400N	LV4A3N630400B4	326260	LV4A3N630400U4	346595
NSX630N	NSX630N	LV4A3N630630B4	331000	LV4A3N630630U4	351340

## 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	227425	LV4A4N100100U4	247770
NSX160N	NSX100N	LV4A4N160100B4	235225	LV4A4N160100U4	255560
NSX160N	NSX160N	LV4A4N160160B4	235675	LV4A4N160160U4	256020
NSX250N	NSX100N	LV4A4N250100B4	250770	LV4A4N250100U4	271105
NSX250N	NSX160N	LV4A4N250160B4	258565	LV4A4N250160U4	278905
NSX250N	NSX250N	LV4A4N250250B4	274040	LV4A4N250250U4	280365
NSX400N	NSX100N	LV4A4N400100B4*	267605	LV4A4N400100U4*	285740
NSX400N	NSX160N	LV4A4N400160B4*	274495	LV4A4N400160U4*	292630
NSX400N	NSX250N	LV4A4N400250B4*	287260	LV4A4N400250U4*	305410
NSX400N	NSX400N	LV4A4N400400B4	343780	LV4A4N400400U4	364115
NSX630N	NSX160N	LV4A4N630160B4*	284385	LV4A4N630160U4*	302520
NSX630N	NSX250N	LV4A4N630250B4*	297150	LV4A4N630250U4*	315295
NSX630N	NSX400N	LV4A4N630400B4	354895	LV4A4N630400U4	375240
NSX630N	NSX630N	LV4A4N630630B4	366030	LV4A4N630630U4	386375

\* 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

# 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



Micrologic without Display    Micrologic A    Micrologic E    Micrologic P

**2** sizes:

from 800 to 3200A



Compact NS800A to 1600



Compact NS1600b to 3200

<b>LB 200kA</b>	■	■			
<b>L 150kA</b>	■	■	■		
<b>H 70kA</b>	■	■	■	■	■
<b>N 50kA</b>	■	■	■	■	■
	NS630b	NS800	NS1000	NS1250	NS1600

<b>H 85kA</b>	■	■	■	■
<b>N 70kA</b>	■	■	■	■
	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 [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_3P33466D <input checked="" type="checkbox"/>	64680	INA_4P33469D	84610
	1000	INA_3P33472D	83020	INA_4P33475D	120460
	1250	INA_3P33478D	101490	INA_4P33480D	155640
70kA	800	INA_3P33467D	79050	INA_4P33470D	101040
	1000	INA_3P33473D	104600	INA_4P33476D	157280
	1250	INA_3P33479D	127960	INA_4P33481D	173250
<b>With Extended Rotary Handle</b>					
50kA	800	INA_3P33466E <input checked="" type="checkbox"/>	68610	INA_4P33469E <input checked="" type="checkbox"/>	89140
	1000	INA_3P33472E <input checked="" type="checkbox"/>	87490	INA_4P33475E <input checked="" type="checkbox"/>	126000
	1250	INA_3P33478E <input checked="" type="checkbox"/>	104410	INA_4P33480E	159110
70kA	800	INA_3P33467E	83410	INA_4P33470E	106060
	1000	INA_3P33473E	109610	INA_4P33476E	164000
	1250	INA_3P33479E	131200	INA_4P33481E	180390



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 [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_3P96466D	91620	INA_4P96469D	111550
	1000	INA_3P96472D	109950	INA_4P96475D	147390
	1250	INA_3P96478D	128960	INA_4P96480D	183120
70kA	800	INA_3P96467D	105990	INA_4P96470D	127980
	1000	INA_3P96473D	131530	INA_4P96476D	184220
	1250	INA_3P96479D	155440	INA_4P96481D	200180
<b>With Extended Rotary Handle</b>					
50kA	800	INA_3P96466E	96240	INA_4P96469E	116870
	1000	INA_3P96472E	115190	INA_4P96475E	159700
	1250	INA_3P96478E	132160	INA_4P96480E	185010
70kA	800	INA_3P96467E	111150	INA_4P96470E	133800
	1000	INA_3P96473E	137350	INA_4P96476E	191690
	1250	INA_3P96479E	157380	INA_4P96481E	206070

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
I <sub>sd</sub>	Adjustable Short Circuit Current	1.5 - 10 x Ir
t <sub>sd</sub>	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)
I <sub>i</sub>	Adjustable Instantaneous Current	2 - 15 x In & OFF
I <sub>g</sub>	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
t <sub>g</sub>	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> 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

NORMAL STOCK ITEMS

WE.F. December 29, 2016

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 [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_8N3PFM2ED1	90915	INA_8N4PFM2ED1	105555
	1000	INA_10N3PFM2ED1	103895	INA_10N4PFM2ED1	152400
	1250	INA_12N3PFM2ED1	129280	INA_12N4PFM2ED1	187830
70kA	800	INA_8H3PFM2ED1	106790	INA_8H4PFM2ED1	131070
	1000	INA_10H3PFM2ED1	134860	INA_10H4PFM2ED1	193010
	1250	INA_12H3PFM2ED1	157970	INA_12H4PFM2ED1	210560
<b>With Extended Rotary Handle</b>					
50kA	800	INA_8N3PFM2EE1	92970	INA_8N4PFM2EE1	107450
	1000	INA_10N3PFM2EE1	113250	INA_10N4PFM2EE1	154460
	1250	INA_12N3PFM2EE1	131350	INA_12N4PFM2EE1	189890
70kA	800	INA_8H3PFM2EE1	108850	INA_8H4PFM2EE1	133070
	1000	INA_10H3PFM2EE1	136980	INA_10H4PFM2EE1	195060
	1250	INA_12H3PFM2EE1	160040	INA_12H4PFM2EE1	212680



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 [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_8N3PFM6ED1	96255	INA_8N4PFM6ED1	122710
	1000	INA_10N3PFM6ED1	129510	INA_10N4PFM6ED1	170845
	1250	INA_12N3PFM6ED1	147675	INA_12N4PFM6ED1	206210
70kA	800	INA_8H3PFM6ED1	125160	INA_8H4PFM6ED1	149390
	1000	INA_10H3PFM6ED1	153300	INA_10H4PFM6ED1	211390
	1250	INA_12H3PFM6ED1	176300	INA_12H4PFM6ED1	229000
<b>With Extended Rotary Handle</b>					
50kA	800	INA_8N3PFM6EE1	102160	INA_8N4PFM6EE1	124670
	1000	INA_10N3PFM6EE1	131625	INA_10N4PFM6EE1	172845
	1250	INA_12N3PFM6EE1	149730	INA_12N4PFM6EE1	200265
70kA	800	INA_8H3PFM6EE1	118925	INA_8H4PFM6EE1	147100
	1000	INA_10H3PFM6EE1	155290	INA_10H4PFM6EE1	213450
	1250	INA_12H3PFM6EE1	178410	INA_12H4PFM6EE1	231000

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 <sub>sd</sub>	Adjustable Short Circuit Current	1.5 - 10 x Ir
t <sub>sd</sub>	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)
I <sub>i</sub>	Adjustable Instantaneous Current	2 - 15 x In & OFF
I <sub>g</sub>	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for ≥1250A)
t <sub>g</sub>	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_3P93280_20	112365	INA_4P93284_20	127620
	1000	INA_3P93290_20	132245	INA_4P93294_20	172735
	1250	INA_3P93300_20	150010	INA_4P93304_20	207445
70kA	800	INA_3P93281_20	127960	INA_4P93285_20	151795
	1000	INA_3P93291_20	155530	INA_4P93295_20	212565
	1250	INA_3P93301_20	178145	INA_4P93305_20	229780
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_3P93280_40	112365	INA_4P93284_40	127620
	1000	INA_3P93290_40	132245	INA_4P93294_40	172735
	1250	INA_3P93300_40	150010	INA_4P93304_40	207445
70kA	800	INA_3P93281_40	127960	INA_4P93285_40	151795
	1000	INA_3P93291_40	155530	INA_4P93295_40	212565
	1250	INA_3P93301_40	178145	INA_4P93305_40	229780



### 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 [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_3P96280_20	141490	INA_4P96284_20	163045
	1000	INA_3P96290_20	161380	INA_4P96294_20	201875
	1250	INA_3P96300_20	172245	INA_4P96304_20	227470
70kA	800	INA_3P96281_20	157085	INA_4P96285_20	180925
	1000	INA_3P96291_20	184655	INA_4P96295_20	241700
	1250	INA_3P96301_20	207275	INA_4P96305_20	258905
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_3P96280_40	141490	INA_4P96284_40	163045
	1000	INA_3P96290_40	161380	INA_4P96294_40	201875
	1250	INA_3P96300_40	179135	INA_4P96304_40	236570
70kA	800	INA_3P96281_40	157085	INA_4P96285_40	180925
	1000	INA_3P96291_40	184655	INA_4P96295_40	241700
	1250	INA_3P96301_40	207275	INA_4P96305_40	258905

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 <sup>2</sup> 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 <sup>2</sup> 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 (R,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 [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_8N3PFE2E0120	134180	INA_8N4PFE2E0120	156130
	1000	INA_10N3PFE2E0120	154360	INA_10N4PFE2E0120	195690
	1250	INA_12N3PFE2E0120	172520	INA_12N4PFE2E0120	231050
70kA	800	INA_8H3PFE2E0120	147120	INA_8H4PFE2E0120	174290
	1000	INA_10H3PFE2E0120	178140	INA_10H4PFE2E0120	236240
	1250	INA_12H3PFE2E0120	201150	INA_12H4PFE2E0120	253780
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_8N3PFE2E0140	134180	INA_8N4PFE2E0140	156130
	1000	INA_10N3PFE2E0140	154360	INA_10N4PFE2E0140	195690
	1250	INA_12N3PFE2E0140	172520	INA_12N4PFE2E0140	231050
70kA	800	INA_8H3PFE2E0140	150010	INA_8H4PFE2E0140	174290
	1000	INA_10H3PFE2E0140	178140	INA_10H4PFE2E0140	236240
	1250	INA_12H3PFE2E0140	201150	INA_12H4PFE2E0140	253780

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 (R,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 [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_8N3PFE6E0120	152520	INA_8N4PFE6E0120	169440
	1000	INA_10N3PFE6E0120	172790	INA_10N4PFE6E0120	214000
	1250	INA_12N3PFE6E0120	190890	INA_12N4PFE6E0120	249440
70kA	800	INA_8H3PFE6E0120	168450	INA_8H4PFE6E0120	192680
	1000	INA_10H3PFE6E0120	196520	INA_10H4PFE6E0120	254620
	1250	INA_12H3PFE6E0120	219580	INA_12H4PFE6E0120	272220
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_8N3PFE6E0140	152520	INA_8N4PFE6E0140	174510
	1000	INA_10N3PFE6E0140	172790	INA_10N4PFE6E0140	214000
	1250	INA_12N3PFE6E0140	190890	INA_12N4PFE6E0140	249430
70kA	800	INA_8H3PFE6E0140	168450	INA_8H4PFE6E0140	192680
	1000	INA_10H3PFE6E0140	196520	INA_10H4PFE6E0140	254620
	1250	INA_12H3PFE6E0140	219580	INA_12H4PFE6E0140	272220

## Accessories

For Compact NS800 - 1600A

Type	Voltage	Shunt Release Reference	Unit LP [₹]	Undervoltage Reference	Unit LP [₹]
<b>Voltage Releases</b>					
AC 50/60 Hz	24 V	33659	5300	33668	5500
	48 V	33660		33669	
	110-130 V	33661 <input checked="" type="checkbox"/>		33670	
	220-240 V	33662 <input checked="" type="checkbox"/>		33671 <input checked="" type="checkbox"/>	
	380-415 V	33664		33673 <input checked="" type="checkbox"/>	
DC	24 V	33659	5300	33668	5500
	48 V	33660		33669	
	125 V	33661 <input checked="" type="checkbox"/>		33670	
	250 V	33662 <input checked="" type="checkbox"/>		33671 <input checked="" type="checkbox"/>	

Description	NS800 to 1600 Reference	Unit LP [₹]
Spreaders (Set of 3) 3P	33622 <input checked="" type="checkbox"/>	8870
Spreaders (Set of 4) 4P	33623 <input checked="" type="checkbox"/>	11035

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



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

# EasyPact CVS 100 BS Moulded Case Circuit Breakers for Distribution Network

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 (I <sub>r</sub> ) 0.8 - 1 x I <sub>n</sub>					
25kA*	16A	LV510930	5880	LV510950	7730
	20A	LV510931	5880	LV510951	7730
	25A	LV510932	5880	LV510952	7730
	32A	LV510933	5880	LV510953	7730
	40A	LV510934	5880	LV510954	7730
	50A	LV510935	5880	LV510955	7730
	63A	LV510936	5880	LV510956	7730
	80A	LV510937	5880	LV510957	7730
	100A	LV510938	5880	LV510958	7730

## Accessories

Description	CVS100BS Reference	Unit LP [₹]
<b>Auxiliary Contacts (Changeover) Multifunction</b>		
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	780
Alarm Switch 1 C/O	EZAUX01	
Alarm - Auxiliary Switch	EZAUX11 <input checked="" type="checkbox"/>	1160
<b>Spreaders</b>		
Spreaders *(Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	320
Spreaders *(Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	420
<b>Phase Barriers</b>		
	EZAFASB2	190
<b>Rotary Handle</b>		
Direct Rotary handle	EZAROTDS <input checked="" type="checkbox"/>	1100
Extended Rotary handle	EZAROTE	1670
<b>Shunt Release</b>		
<b>AC</b>		
100-130 V	EZASHT100AC	1670
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>	
380-480 V	EZASHT380AC	
<b>DC</b>		
24 V	EZASHT024DC	1670
48 V	EZASHT048DC	

\*I<sub>cs</sub>=17kA

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

• 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"/>	6750	LV510310	9430
	25A	LV510301 <input checked="" type="checkbox"/>	6750	LV510311 <input checked="" type="checkbox"/>	9430
	32A	LV510302 <input checked="" type="checkbox"/>	6750	LV510312 <input checked="" type="checkbox"/>	9430
	40A	LV510303 <input checked="" type="checkbox"/>	6750	LV510313 <input checked="" type="checkbox"/>	9430
	50A	LV510304 <input checked="" type="checkbox"/>	6750	LV510314	9430
	63A	LV510305 <input checked="" type="checkbox"/>	6750	LV510315 <input checked="" type="checkbox"/>	9430
	80A	LV510306 <input checked="" type="checkbox"/>	6750	LV510316 <input checked="" type="checkbox"/>	9430
	100A	LV510307 <input checked="" type="checkbox"/>	6750	LV510317 <input checked="" type="checkbox"/>	9430
	125A	LV516302 <input checked="" type="checkbox"/>	9940	LV516312 <input checked="" type="checkbox"/>	12240
	160A	LV516303 <input checked="" type="checkbox"/>	13050	LV516313 <input checked="" type="checkbox"/>	15400
	200A	LV525302 <input checked="" type="checkbox"/>	17700	LV525312	21750
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"/>	20450	LV525313	24850

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"/>	9340	LV510340	11930
	25A	LV510331 <input checked="" type="checkbox"/>	9340	LV510341	11930
	32A	LV510332 <input checked="" type="checkbox"/>	9340	LV510342 <input checked="" type="checkbox"/>	11930
	40A	LV510333 <input checked="" type="checkbox"/>	9340	LV510343 <input checked="" type="checkbox"/>	11930
	50A	LV510334 <input checked="" type="checkbox"/>	9340	LV510344	11930
	63A	LV510335 <input checked="" type="checkbox"/>	9340	LV510345 <input checked="" type="checkbox"/>	11930
	80A	LV510336 <input checked="" type="checkbox"/>	9340	LV510346	11930
	100A	LV510337 <input checked="" type="checkbox"/>	9340	LV510347 <input checked="" type="checkbox"/>	11930
	125A	LV516332 <input checked="" type="checkbox"/>	10300	LV516342	12760
	160A	LV516333 <input checked="" type="checkbox"/>	14210	LV516343	16470
	200A	LV525332	20240	LV525342 <input checked="" type="checkbox"/>	24670
Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]	Four Pole Reference	Unit LP [₹]
36kA	250A	LV525333	22020	LV525343 <input checked="" type="checkbox"/>	26390
	320A	LV540305	26360	LV540308 <input checked="" type="checkbox"/>	33440
	400A	LV540306	26600	LV540309 <input checked="" type="checkbox"/>	33770
	500A	LV563305 <input checked="" type="checkbox"/>	31410	LV563308 <input checked="" type="checkbox"/>	39180
	630A**	LV563306 <input checked="" type="checkbox"/>	31970	LV563309 <input checked="" type="checkbox"/>	39580

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"/>	11740	LV510480	14860
	25A	LV510471	11740	LV510481	14860
	32A	LV510472 <input checked="" type="checkbox"/>	11740	LV510482 <input checked="" type="checkbox"/>	14860
	40A	LV510473	11740	LV510483	14860
	50A	LV510474	11740	LV510484	14860
	63A	LV510475 <input checked="" type="checkbox"/>	11740	LV510485 <input checked="" type="checkbox"/>	14860
	80A	LV510476 <input checked="" type="checkbox"/>	11740	LV510486	14860
	100A	LV510477 <input checked="" type="checkbox"/>	11740	LV510487 <input checked="" type="checkbox"/>	14860
	125A	LV516462 <input checked="" type="checkbox"/>	16250	LV516467	18300
	160A	LV516463 <input checked="" type="checkbox"/>	17000	LV516468	19850
	200A	LV525452	22640	LV525457 <input checked="" type="checkbox"/>	28310
Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]	Four Pole Reference	Unit LP [₹]
50kA	250A	LV525453	24340	LV525458 <input checked="" type="checkbox"/>	29860
	320A	LV540315 <input checked="" type="checkbox"/>	28770	LV540318	35970
	400A	LV540316 <input checked="" type="checkbox"/>	28770	LV540319 <input checked="" type="checkbox"/>	35970
	500A	LV563315 <input checked="" type="checkbox"/>	34050	LV563318	42950
	630A**	LV563316 <input checked="" type="checkbox"/>	34050	LV563319 <input checked="" type="checkbox"/>	44820

**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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 ✓	50270	LV580301 ✓	54250
50kA	800A	LV580302 ✓	54210	LV580303 ✓	61620

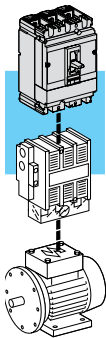
EasyPact CVS 400 to 630A With Microprocessor Based Trip Unit



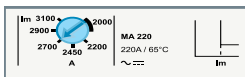
- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.5 to 1\*In
- Adjustable Short Circuit from 2 to 10\*Ir
- Adjustable Neutral Protection - N, N/2, OFF for 4 Pole MCCB
- Inbuilt Thermal Memory

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]	Four Pole Reference	Unit LP [₹]
<b>EasyPact CVS 400 to 630A</b>					
36 kA	400A	LV540505 ✓	31410	LV540506 ✓	37460
	630A	LV563505 ✓	34870	LV563506 ✓	44710
50 kA	400A	LV540510 ✓	33160	LV540511 ✓	42330
	630A	LV563510 ✓	36640	LV563511 ✓	48890

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	8330
	6.3A	LV510451	8330
	12.5A	LV510452 ✓	8750
	25A	LV510453 ✓	11430
	50A	LV510454 ✓	11430
	100A	LV510455 ✓	11450
	150A	LV516451 ✓	14780
Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP [₹]
50kA	220A	LV525442 ✓	17220
	320A	LV540552 ✓	31290
	500A	LV563552	36500

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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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	6000	LV510426	7600
160A	LV516425	7000	LV516426	9000
Rated Current	Three Pole Reference	Unit LP [₹]	Four PoleReference	Unit LP [₹]
250A	LV525425	15000	LV525426	19000
400A	LV540400	22000	LV540401	28000
630A	LV563400	25000	LV563401	32000

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



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"/>	900
OF or SD or SDE or SDV low level	29452	930
SDE adapter for trip unit TM or MA or ETS 2.3 \$\$	LV429451 <input checked="" type="checkbox"/>	670

\$\$: 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 [₹]
<b>AC</b>				
24 V 50/60 Hz	LV429384 <input checked="" type="checkbox"/>	2210	LV429404	2830
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	
<b>DC</b>				
12 V	LV429382	2210	LV429402	2830
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 [₹]
<b>Direct rotary handle</b>				
Standard black handle	LV429337 <input checked="" type="checkbox"/>	1130	LV432597 <input checked="" type="checkbox"/>	1700
<b>Extended rotary handle</b>				
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1840	LV432598 <input checked="" type="checkbox"/>	3310

### Installation Accessories

Description	100/160/250A Reference	Unit LP [₹]	400/630A Reference	Unit LP [₹]
<b>Spreaders &amp; Phase Barriers</b>				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	670	32492 <input checked="" type="checkbox"/>	1450
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	880	32493 <input checked="" type="checkbox"/>	1850
Phase Barriers (Set of 6)	*		LV432570 <input checked="" type="checkbox"/>	720
<b>Interlocking</b>				
For Breaker with Rotary Handle	LV429369	8390	LV432621	10560
For Breaker with Toggle	LV429354	9085	LV432614	10560
Mechanical Interlocking with Base Plate	29349**	17305	32609**	36460
<b>Locking of Rotary Handle</b>				
Locking Device	LV429344 <input checked="" type="checkbox"/>	520	LV432604 <input checked="" type="checkbox"/>	720
Ronis Keylock (1 Lock + 1 Key set)	41940 <input checked="" type="checkbox"/>	3660	41940 <input checked="" type="checkbox"/>	3660
Ronis Keylock (2 Locks + 1 Key set)	41950 <input checked="" type="checkbox"/>	7060	41950 <input checked="" type="checkbox"/>	7060
Profalux Keylock (1 Lock + 1 Key set)	42888	6180	42888	6180
Profalux Keylock (2 Locks + 1 Key set)	42878	7060	42878	7060

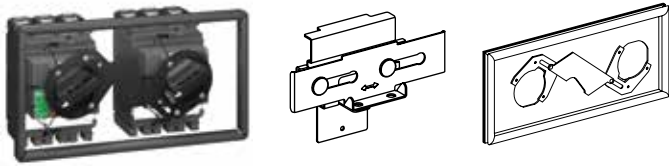
\* supplied as standard with spreaders

\*\* 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



## 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 [₹]
<b>Mechanical interlocking for circuit breakers</b>		
With toggles 100A to 250A	LV429354	9085
With rotary handles 100A -250A	LV429369	8390
With toggles 400A to 630A	LV432614	10560
With rotary handles 400A to 630A	LV432621	10560

## Accessories for CVS 800A

### Auxiliary/Alarms contacts

Description	Reference	Unit LP [₹]
Auxiliary Switch 1 C/O	LV580075	1190
Alarm switch 1 c/o	LV580077	1080

### Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit LP [₹]
<b>AC</b>				
220-240 V 50/60 Hz	LV580061	2280	LV580071	2860

### Rotary Handles

Description	800A Reference	Unit LP [₹]
<b>Extended rotary handle</b>		
Standard extended rotary handle	LV580081 <input checked="" type="checkbox"/>	2000

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



# 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 <sub>rm</sub> (A)	Contactor Type	Thermal Relay Type	Thermal range I <sub>rth</sub>	I <sub>q</sub> kA	I <sub>r</sub> kA
0.37	1.1	1.6	CVS100-MA	2.5	6..13	22.5	LC1E09	LRE06 <sup>(3)</sup>	1..1.6	50	1
0.55	1.5	1.6	CVS100-MA	2.5	6..14	32.5	LC1E09	LRE06 <sup>(3)</sup>	1..1.6	50	1
0.75	1.8	2.5	CVS100-MA	2.5	6..14	32.5	LC1E09	LRE07 <sup>(3)</sup>	1.6..2.5	50	1
1.1	2.6	4	CVS100-MA	6.3	6..14	57	LC1E32	LRE08 <sup>(3)</sup>	2.5..4	50	1
1.5	3.4	4	CVS100-MA	6.3	6..14	57	LC1E32	LRE08 <sup>(3)</sup>	2.5..4	50	1
2.2	4.8	6	CVS100-MA	6.3	6..14	82	LC1E32	LRE10 <sup>(3)</sup>	4..6	50	1
3	6.5	8	CVS100-MA	12.5	6..14	113	LC1E80	LRE12 <sup>(1)(3)</sup>	5.5..8	50	1
4	8.2	10	CVS100-MA	12.5	6..14	138	LC1E80	LRE14 <sup>(1)(3)</sup>	7..10	50	1
5.5	11	12.5	CVS100-MA	12.5	6..14	163	LC1E80	LRE16 <sup>(1)(3)</sup>	9..13	50	1
7.5	14	18	CVS100-MA	25	6..14	250	LC1E80	LRE21 <sup>(1)(3)</sup>	12..18	50	3
10	19	25	CVS100-MA	25	6..14	325	LC1E80	LRE322 <sup>(2)(3)</sup>	17..25	50	3
11	21	25	CVS100-MA	25	6..14	325	LC1E80	LRE322 <sup>(2)(3)</sup>	17..25	50	3
15	28	32	CVS100-MA	50	6..14	450	LC1E80	LRE353 <sup>(2)(3)</sup>	23..32	50	3
18.5	34	40	CVS100-MA	50	6..14	550	LC1E80	LRE355 <sup>(2)(3)</sup>	30..40	50	3
22	40	50	CVS100-MA	50	6..14	650	LC1E80	LRE357 <sup>(2)</sup>	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
- 1P, 2P, 3P and 4P versions available

## Moulded Case Circuit Breakers for Distribution Network

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 [₹]	Four Pole Reference	Unit MRP [₹]
30 kA	15A	EZC100H3015 ✓	4560	EZC100H4015	6320
	20A	EZC100H3020 ✓		EZC100H4020	
	25A	EZC100H3025 ✓		EZC100H4025	
	32A	EZC100H3032 ✓		EZC100H4032	
	40A	EZC100H3040 ✓		EZC100H4040	
	50A	EZC100H3050 ✓		EZC100H4050	
	63A	EZC100H3063 ✓		EZC100H4063 ✓	
	80A	EZC100H3080 ✓		EZC100H4080	
36kA	100A	EZC100H3100 ✓		EZC100H4100 ✓	
	125A	EZC250H3125	7010	EZC250H4125	9450
	160A	EZC250H3160	9200	EZC250H4160	11830
	200A	EZC250H3200	11410	EZC250H4200	15410
Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP* [₹]	Four Pole Reference	Unit LP* [₹]
36kA	250A	EZC250H3250	12750	EZC250H4250	17220
50KA	320A	EZC400H3320N	19950	EZC400H4320N	23000
	400A	EZC400H3400N	20580	EZC400H4400N	26750

**Note:**

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

\*LP is List Price

Description	EZC100 Reference	Unit LP [₹]	EZC250 Reference	Unit LP [₹]
<b>Auxiliary Contacts (Changeover) Multifunction</b>				
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	780	EZEAX <input checked="" type="checkbox"/>	945
Alarm Switch 1 C/O	EZAUX01		EZEAL <input checked="" type="checkbox"/>	
Alarm - Auxiliary Switch	EZAUX11 <input checked="" type="checkbox"/>	1160	EZEAXAL	1385
<b>Spreaders</b>				
Spreaders *(Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	320	EZESPDR3P <input checked="" type="checkbox"/>	475
Spreaders *(Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	420	EZESPDR4P	615
<b>Phase Barriers</b>				
	EZAFASB2	190	EZEFASB2	270
<b>Rotary Handle</b>				
Direct Rotary handle	EZAROTDS <input checked="" type="checkbox"/>	1100	EZEROTDS	1385
Extended Rotary handle	EZAROTE	1670	EZEROTE	1670
<b>Shunt Release</b>				
<b>AC</b>				
100-130 V	EZASHT100AC	1670	EZESHT100AC	1670
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>		EZESHT200AC <input checked="" type="checkbox"/>	
380-480 V	EZASHT380AC		EZESHT400AC	
<b>DC</b>				
24 V	EZASHT024DC	1670	EZESHT024DC	1670
48 V	EZASHT048DC		EZESHT048DC	

Description	EZC 400/600 Reference	Unit LP [₹]
<b>Auxiliary Contacts</b>		
OF or SD or SDE	29450	900
<b>Spreaders</b>		
SPREADERS (SET OF 3) 3P	32492	1450
Spreaders (Set of 4) 4P	32493	1850
<b>Phase Barriers (Set of 6)</b>		
	LV432570	720
<b>Rotary Handle</b>		
Direct Rotary handle	LV432597	1700
Extended Rotary handle	LV432598	3310
<b>Shunt Release</b>		
AC 220-240 V 50/60 Hz	LV429387	2210

## 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	8640
	EZ busbar 250A 6ways	EZB250W06	10930
	EZ busbar 250A 8ways	EZB250W08	13220
	EZ busbar 250A 10ways	EZB250W10	15525
	EZ busbar 250A 12ways	EZB250W12	17815
400 A	EZ busbar 400A 4ways	EZB400W04	10930
	EZ busbar 400A 6ways	EZB400W06	13220
	EZ busbar 400A 8ways	EZB400W08	15525
	EZ busbar 400A 10ways	EZB400W10	17815
	EZ busbar 400A 12ways	EZB400W12	20105
630 A	EZ busbar 630A 4ways	EZB630W04	13220
	EZ busbar 630A 6ways	EZB630W06	15525
	EZ busbar 630A 8ways	EZB630W08	17815
	EZ busbar 630A 10ways	EZB630W10	20105
	EZ busbar 630A 12ways	EZB630W12	22405

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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	1670
	20	NKS100R020AC3P	1670
	25	NKS100R025AC3P	1670
	32	NKS100R032AC3P	1670
	40	NKS100R040AC3P	1670
	50	NKS100R050AC3P	1670
	63	NKS100R063AC3P	1670
	75	NKS100R075AC3P	1670
	100	NKS100R100AC3P	1670
	110	NKS160R110AC3P	3900
	125	NKS160R125AC3P	3900
	140	NKS160R140AC3P	4190
	150	NKS160R150AC3P	4190
	160	NKS160R160AC3P	4190
	175	NKS200R175AC3P	5510
	200	NKS200R200AC3P	5510

\*Ics=5kA

Description	EasyPact NKS100	Unit LP [₹]	EasyPact NKS 125A to 200	Unit LP [₹]
<b>Auxiliary contacts (changeover) Multifunction</b>				
Auxiliary Switch 1 C/O	EZAUX10	780	AX1CT1L	740
Alarm Switch 1 C/O	EZAUX01	780	AL1CT1NR	825
Alarm - Auxiliary Switch	EZAUX11	1160		
<b>Spreaders</b>				
Spreaders *(Set Of 3) 3P	EZASPDR3P	320	NKSP13	285
<b>Phase Barriers</b>				
	EZAFASB2	190	-	-
<b>Rotary Handle</b>				
Direct Rotary handle	EZAROTDS	1100	-	-
Extended Rotary handle	EZAROTE	1670	NDHOMT1	1150
<b>Shunt Release</b>				
<b>AC</b>				
100-130 V	EZASHT100AC	1670	-	-
200-277 V	EZASHT200AC	1670	SHT240ACT1L	670
380-480 V	EZASHT380AC	1670	-	-
440 V	-	-	-	-
<b>DC</b>				
24 V	EZASHT024DC	1670	-	-
48 V	EZASHT024DC	1670	-	-
110 V	EZASHT048DC	1670	-	-
220 V	-	-	-	-
<b>AC</b>				
UVR 200-240VAC	On Request		-	-
220 V	-	-	UVT220/240ACT1	1240

### Note:

- Contact customer care for other accessories

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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	1410
	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	4230	NKS100R010DC3P	4790
	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	7910	NKS160R110DC3P	8670
	125A	NKS160R125DC2P		NKS160R125DC3P	
	140A	NKS160R140DC2P		NKS160R140DC3P	
	150A	NKS160R150DC2P		NKS160R150DC3P	
	160A	NKS160R160DC2P	8160	NKS160R160DC3P	9380
	175A	NKS200R175DC2P		NKS200R175DC3P	
200A	NKS200R200DC2P		NKS200R200DC3P		

**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 [₹]
<b>Shunt Release</b>		
<b>AC</b>		
240 V	SHT240ACT1L	670
<b>Under Voltage Release</b>		
<b>AC</b>		
220 V	UVT220/240ACT1 <input checked="" type="checkbox"/>	1240

Description	Reference	Unit LP [₹]
<b>Auxiliary contacts (changeover)</b>		
Auxiliary Switch 1 C/O	AX1CT1L	740
Alarm Switch 1 C/O	AL1CT1NR	825
<b>rotary handles</b>		
Standard extended rotary handle	NDHOMT1	1150
<b>Spreaders</b>		
Spreaders (Set of 3) 3P	NKSP13 <input checked="" type="checkbox"/>	285

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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 LP [₹]	3 Ph + 4W Reference	Unit LP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P <input checked="" type="checkbox"/>	5200	GFP11CT14P <input checked="" type="checkbox"/>	5690
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	5910	GFP12CT24P <input checked="" type="checkbox"/>	6670
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	8920	GFP13CT34P <input checked="" type="checkbox"/>	9740
CVS 800	800	GFP14CT43P	11010	GFP14CT44P	12320

**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

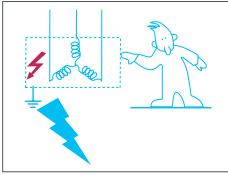
NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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 Reference <sup>(1)</sup>	Unit LP [₹]	Four Pole Reference	Unit LP [₹]
CVS/NSX - 100/160	ME	LV429212	12385	LV429213	13375
CVS/NSX - 100/160	MH	LV429210 <input checked="" type="checkbox"/>	15910	LV429211	17585
CVS/NSX - 250	MH	LV431535	18590	LV431536	19000
CVS/NSX - 400/630	MB	LV432455	46040	LV432456	47950

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

(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 LP [₹]	Four Pole Reference	Unit LP [₹]
<b>CVS/NSX 100- 250A</b>				
220 to 440V AC	LV429459	14875	LV429460	15990
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV429214	6135
<b>CVS/NSX 400- 630A</b>				
220 to 440V AC	LV432659	23560	LV432660	26300
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV432457	17330

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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	9785	56230	10745
Sensitivity=0.03A	380/415VAC	56140		56240	
RH99 with local manual fault reset	220/240VAC	56173	14790	56273	16010
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	56174	16310	56274	16815
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56507*	18105
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	-	-	56508*	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56512**	19200
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	-	-	56513**	

\* 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	6230
PA50	85	50	50438	8700
IA80	160	80	50439	10350
MA120	250	120	50440	12460
SA200	400	200	50441	19360
GA300	630	300	50442	43210

**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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016





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 [₹]
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### Interpact Range of Switch Disconnectors

3-Pole	40 A AC-23A	28900	4100
	63 A AC-23A	28902	5090
	100 A AC-23A	28908	5990
	125 A AC-23A	28910	6350
	160 A AC-23A	28912	7270
	200 A AC-23A	31102	12310
	250 A AC-23A	31106	12990
	320 A AC-23A	31108	21170
	400 A AC-23A	31110	23850
	630 A AC-23A	31114	24530
4-Pole	40 A AC-23A	28901	4570
	63 A AC-23A	28903	5410
	100 A AC-23A	28909	6350
	125 A AC-23A	28911	7090
	160 A AC-23A	28913	7820
	200 A AC-23A	31103	13730
	250 A AC-23A	31107	14430
	320 A AC-23A	31109	24510
	400 A AC-23A	31111	25310
	630 A AC-23A	31115	28360

### Interpact Changeover Systems (complete assembly)

3-Pole	100 A AC-23A	31140	36595
	160 A AC-23A	31144	39840
	200 A AC-23A	31142	43820
	250 A AC-23A	31146	45040
	320 A AC-23A	31148	74480
	400 A AC-23A	31150	79520
	630 A AC-23A	31154	80895
4-Pole	100 A AC-23A	31141	41745
	160 A AC-23A	31145	45660
	200 A AC-23A	31143	51700
	250 A AC-23A	31147	53500
	320 A AC-23A	31149	81245
	400 A AC-23A	31151	83875
	630 A AC-23A	31155	96020

Description	Reference	Unit LP [₹]
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### Accessories

Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)	LV431050	3625
Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector)	31052	5135
Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector)	LV428941	1840
6 phase separators - INS100..160	28959	800
6 phase separators - INS250	29329	720
6 phase separators - INS400..630	LV432570	720

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



## 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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

- 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"/>	2300	NX032TPNBS <input checked="" type="checkbox"/>	2270
63 A	3P + N	NX063TPNDI <input checked="" type="checkbox"/>	3030	NX063TPNBS <input checked="" type="checkbox"/>	3000
80 A	3P + N	NX080TPNDI	5730	NX080TPNBS	5460
100 A	3P	NX100TPXDI	6330		
	3P + N	NX100TPNDI <input checked="" type="checkbox"/>	6580	NX100TPNBS	6520
	4P	NX100FPXDI	6830		
125 A	3P	NX125TPXDI <input checked="" type="checkbox"/>	7380		
	3P + N	NX125TPNDI <input checked="" type="checkbox"/>	8060	NX125TPNBS <input checked="" type="checkbox"/>	7980
160 A	4P	NX125FPXDI	9070		
	3P	NX160TPXDI	8140		
	3P + N	NX160TPNDI <input checked="" type="checkbox"/>	8790	NX160TPNBS <input checked="" type="checkbox"/>	8280
200 A	4P	NX160FPXDI	10130		
	3P	NX200TPXDI	10770		
	3P + N	NX200TPNDI <input checked="" type="checkbox"/>	11290	NX200TPNBS	9930
250 A	4P	NX200FPXDI	12630		
	3P	NX250TPXDI	13200		
	3P + N	NX250TPNDI <input checked="" type="checkbox"/>	13590	NX250TPNBS <input checked="" type="checkbox"/>	13050
315 A	4P	NX250FPXDI	15990		
	3P	NX315TPXDI	16590		
	3P + N	NX315TPNDI <input checked="" type="checkbox"/>	16830	NX315TPNBS	16560
400 A	4P	NX315FPXDI	18660		
	3P	NX400TPXDI	22170		
	3P + N	NX400TPNDI <input checked="" type="checkbox"/>	23000	NX400TPNBS	21740
630 A	4P	NX400FPXDI	27720		
	3P	NX630TPXDI	32730		
	3P + N	NX630TPNDI <input checked="" type="checkbox"/>	33460	NX630TPNBS	33130
	4P	NX630FPXDI	37330		

Accessories/Spares

Description	Reference	Unit LP [₹]
<b>NX032/NX063/NX080</b>		
Auxiliary contact for Fupact	NXAA11 <input checked="" type="checkbox"/>	460
Fuse holder for DIN NX032...NX080	NXHD1	210
Handle operating mechanism (HOM) NX032...NX080	NXR1	405
HOM shaft for NX/32/63/80	NXRS1	210
<b>NX100/NX125/NX160</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
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"/>	780
Shaft for HOM for NX100...NX160	NXRS2	210
<b>NX200</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Fuse holder for BS type NX200	NXHB22	200
Fuse holder for DIN NX200	NXHD22	240
Handle operating mechanism NX200	NXR2 <input checked="" type="checkbox"/>	780
Shaft for HOM for NX200	NXRS2A	270
<b>NX250/315/400</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Handle operating mechanism for NX250...NX400	NXR3	820
Shaft for HOM for NX250...NX400	NXRS3	270
<b>NX630</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Handle operating mechanism for NX630	NXR4	875
Shaft for HOM for NX630	NXRS4	270

**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

NORMAL STOCK ITEMS

WE.F. December 29, 2016

# 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



Network Protection



Supervision



Compact

AIR PROCESS

# 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 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

### E: Energy

- $I_1, I_2, I_3, I_N, I_{\text{earth-fault}}, I_{\text{earth-leakage}}$  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'
Measurement	Current , maximeter	●	●	●
	Voltage, PF, Power, demand, energy	●	●	●
	Cos- , 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	5.0 H
	6 (L, S, I, G)	6.0 E	6.0 P	6.0 H
	7 (L, S, I, V)		7.0 P	7.0 H

# 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



For prices please contact customer care



# ATS Kit

Suitable for Masterpact NT/ NW ACB

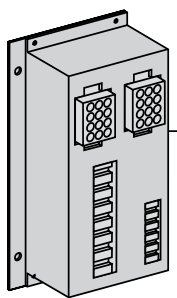
This Kit comprises of :

- > 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	126500
ATS Kit for Masterpact NT EDO type with UA 415VAC controller	INA_NTDOU4	145115
ATS Kit for Masterpact NW EDO type with BA 415VAC controller	INA_NWDOB4 <input checked="" type="checkbox"/>	137050
ATS Kit for Masterpact NW EDO type with UA 415VAC controller	INA_NWDOU4 <input checked="" type="checkbox"/>	174138

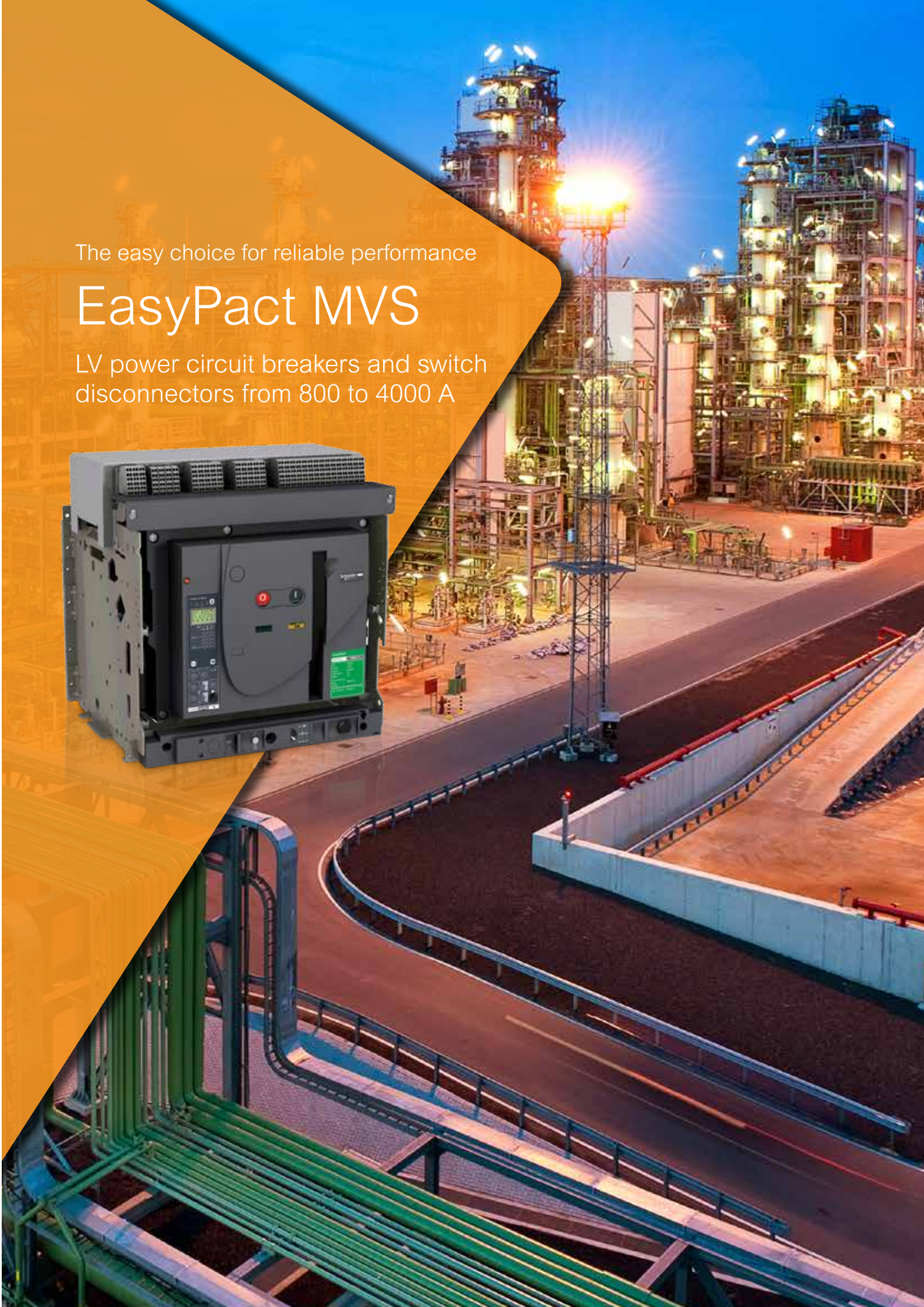
\*\*ATS Kit with for Fixed Breaker and BA controller with 240VAC, contact our customer care



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
<b>Features</b>	Current Metering		●	●
	Voltage Metering			●
	ZSI	●	●	●
	% Loading Bar Graph for each phase	●	●	●
	Thermal Memory	●	●	●
	Last 10 Trip History			●
<b>Protection</b>	2 (L, I)	2L	2A	2V
	6 (L,S,I,G)	6G	6A	6V



## Additional information provided by ETV range of trip units

- Demand Current
- Demand current maximeters
- Phase to phase voltages
- Phase to neutral voltages
- Average voltage
- Voltage unbalance
- Trip History

# 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	180780	MVS08N3NW6L	227780	MVS08N4MW6L	226900	MVS08N4NW6L	273900
1000	MVS10N3MW6L	189900	MVS10N3NW6L	236900	MVS10N4MW6L	237720	MVS10N4NW6L	284720
1250	MVS12N3MW6L	211460	MVS12N3NW6L	258460	MVS12N4MW6L	263290	MVS12N4NW6L	310290
1600	MVS16N3MW6L	240330	MVS16N3NW6L	287330	MVS16N4MW6L	293250	MVS16N4NW6L	340250
2000	MVS20N3MW6L	287600	MVS20N3NW6L	334600	MVS20N4MW6L	353200	MVS20N4NW6L	400200
2500	MVS25N3MW6L	355570	MVS25N3NW6L	402570	MVS25N4MW6L	432060	MVS25N4NW6L	479060
3200	MVS32N3MW6L	443770	MVS32N3NW6L	490770	MVS32N4MW6L	544130	MVS32N4NW6L	591130
4000	MVS40N3MW6L	542760	MVS40N3NW6L	589760	MVS40N4MW6L	675420	MVS40N4NW6L	722420

### 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	₹21000	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For switch disconnector reference <b>replace 6L by 0D</b> i.e MVS08N3MW0D
ACB with ET6A trip unit (LCD display with Current Metering)	Add	₹10000	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6A trip unit <b>replace 6L by 6A</b> i.e MVS08N3MW6A
ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹23000	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6V trip unit <b>replace 6L by 6V</b> i.e MVS08N3MW6V

\*- Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

#### Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
  - 1 No. Electrical fault indication Contact (SDE).
  - 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) (Voltage ratings to be specified by customer & duly 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.

# EasyPact MVS Draw-out ACB

## Draw-out type Circuit breakers and Switch Disconnectors 800-4000A



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET2L provides Overload & Short-circuit protections
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec}) = 50\text{kA @ } 440\text{V AC}$

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

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW2L	172780	MVS08N3NW2L	219780	MVS08N4MW2L	218900	MVS08N4NW2L	265900
1000	MVS10N3MW2L	181900	MVS10N3NW2L	228900	MVS10N4MW2L	229720	MVS10N4NW2L	276720
1250	MVS12N3MW2L	203460	MVS12N3NW2L	250460	MVS12N4MW2L	255290	MVS12N4NW2L	302290
1600	MVS16N3MW2L	232330	MVS16N3NW2L	279330	MVS16N4MW2L	285250	MVS16N4NW2L	332250
2000	MVS20N3MW2L	279600	MVS20N3NW2L	326600	MVS20N4MW2L	345200	MVS20N4NW2L	392200
2500	MVS25N3MW2L	347570	MVS25N3NW2L	394570	MVS25N4MW2L	424060	MVS25N4NW2L	471060
3200	MVS32N3MW2L	435770	MVS32N3NW2L	482770	MVS32N4MW2L	536130	MVS32N4NW2L	583130
4000	MVS40N3MW2L	534760	MVS40N3NW2L	581760	MVS40N4MW2L	667420	MVS40N4NW2L	714420

### 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	₹5000	<b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MW2L. <b>For ACB reference with ET2A trip unit replace 2L by 2A</b> i.e MVS08N3MW2A
ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹ 15000	<b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MW2L. <b>For ACB reference with ET2V trip unit replace 2L by 2V</b> i.e MVS08N3MW2V

\* 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).  
(Voltage ratings to be specified by customer & duly 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.

- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50° C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- Icu=Ics=Icw(1sec) =50kA @ 440V AC

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

Rating in (A)	3P Fix Manual Reference	Unit LP [₹]	3P Fix Electrical Reference	Unit LP [₹]	4P Fix Manual Reference	Unit LP [₹]	4P Fix Electrical Reference	Unit LP [₹]
800	MVS08N3MF6L	134790	MVS08N3NF6L	181790	MVS08N4MF6L	171390	MVS08N4NF6L	218390
1000	MVS10N3MF6L	147550	MVS10N3NF6L	194550	MVS10N4MF6L	186130	MVS10N4NF6L	233130
1250	MVS12N3MF6L	169600	MVS12N3NF6L	216600	MVS12N4MF6L	211890	MVS12N4NF6L	258890
1600	MVS16N3MF6L	188260	MVS16N3NF6L	235260	MVS16N4MF6L	243350	MVS16N4NF6L	290350
2000	MVS20N3MF6L	216550	MVS20N3NF6L	263550	MVS20N4MF6L	283000	MVS20N4NF6L	330000
2500	MVS25N3MF6L	264000	MVS25N3NF6L	311000	MVS25N4MF6L	333540	MVS25N4NF6L	380540
3200	MVS32N3MF6L	377900	MVS32N3NF6L	424900	MVS32N4MF6L	466270	MVS32N4NF6L	513270
4000	MVS40N3MF6L	465380	MVS40N3NF6L	512380	MVS40N4MF6L	583440	MVS40N4NF6L	630440

#### 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	₹21000	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For switch disconnector reference <b>replace 6L by 0D</b> i.e MVS08N3MF0D
ACB with ET6A trip unit (LCD display with Current Metering)	Add	₹10000	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6A trip unit <b>replace 6L by 6A</b> i.e MVS08N3MF6A
ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹23000	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6V trip unit <b>replace 6L by 6V</b> i.e MVS08N3MF6V

\* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

#### Note:

All Fix type circuit breakers will be supplied with:

- horizontal / vertical terminal
  - 1 No. Electrical fault indication Contact (SDE).
  - 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
  - door sealing frame- Escutcheon (CDP).
- All switch disconnectors are without protection
  - All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
  - External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
  - Any other accessories are optional at extra price.



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50° C
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- Icu=Ics=Icw(1sec) =50kA @ 440V AC

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

Rating in (A)	3P Fix Manual Reference	Unit LP [₹]	3P Fix Electrical Reference	Unit LP [₹]	4P Fix Manual Reference	Unit LP [₹]	4P Fix Electrical Reference	Unit LP [₹]
800	MVS08N3MF2L	126790	MVS08N3NF2L	173790	MVS08N4MF2L	163390	MVS08N4NF2L	210390
1000	MVS10N3MF2L	139550	MVS10N3NF2L	186550	MVS10N4MF2L	178130	MVS10N4NF2L	225130
1250	MVS12N3MF2L	161600	MVS12N3NF2L	208600	MVS12N4MF2L	203890	MVS12N4NF2L	250890
1600	MVS16N3MF2L	180260	MVS16N3NF2L	227260	MVS16N4MF2L	235350	MVS16N4NF2L	282350
2000	MVS20N3MF2L	208550	MVS20N3NF2L	255550	MVS20N4MF2L	275000	MVS20N4NF2L	322000
2500	MVS25N3MF2L	256000	MVS25N3NF2L	303000	MVS25N4MF2L	325540	MVS25N4NF2L	372540
3200	MVS32N3MF2L	369900	MVS32N3NF2L	416900	MVS32N4MF2L	458270	MVS32N4NF2L	505270
4000	MVS40N3MF2L	457380	MVS40N3NF2L	504380	MVS40N4MF2L	575440	MVS40N4NF2L	622440

### 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 ₹5000	<b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MF2L. <b>For ACB reference</b> with ET2A trip unit <b>replace 2L by 2A</b> i.e MVS08N3MF2A
ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add ₹15000	<b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MF2L. <b>For ACB reference</b> with ET2V trip unit <b>replace 2L by 2V</b> i.e MVS08N3MF2V

\* Same Philosophy for 3 Pole/ 4 Pole and Manual/ Electrical References

#### Note:

All Fix type circuit breakers will be supplied with:

- horizontal / vertical terminal
  - 1 No. Electrical fault indication Contact (SDE).
  - 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
  - door sealing frame- Escutcheon (CDP).
- All switch disconnectors are without protection
  - All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
  - External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
  - Any other accessories are optional at extra price.

Description	Rated Operational Voltage	Reference	Unit LP [₹]
<b>Gear Motor (MCH)</b>			
AC 50/60 Hz	100/130 V	47893	37500
	200/240 V	47894 <input checked="" type="checkbox"/>	
	380/415 V	47896	
DC	24/30 V	47888	
	48/60 V	47889	
	100/125 V	47890	
	200/250 V	47891	
<b>Closing Release (XF)</b>			
AC 50/60 Hz	24/30 V DC	33659	5300
	48/60 V DC	33660	
DC	100/130 V AC/DC	MVS15511 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	MVS15512 <input checked="" type="checkbox"/>	
	380/480 V AC	MVS15513	
<b>Opening Release (MX)</b>			
AC 50/60 Hz	24/30 V DC, 24 V AC	33659	5300
	48/60 V DC, 48 V AC	33660	
DC	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"/>	
<b>Terminal Block</b>			
For drawout circuit breaker		47849	200
<b>Under Voltage Release (MN)</b>			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33668	5500
	48/60 V DC, 48 V AC	33669	
	100/130 V AC/DC	33670 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	33671 <input checked="" type="checkbox"/>	
	380/480 V AC	33673 <input checked="" type="checkbox"/>	
<b>MN Delay Unit</b>			
AC 50/60 Hz DC	48/60 V AC/DC	33680	7900
	100/130 V AC/DC	33681	
	200/250 V AC/DC	33682	
	380/480 V AC/DC	33683	
	100/130 V AC/DC	33684	7400
	200/250 V AC/DC	33685 <input checked="" type="checkbox"/>	
	<b>ON/OFF Indication Contacts (Additional OF contact)</b>		
1 additional block of 4 contacts		47887	4800
<b>Door Interlock (VPECD)/1 part</b>			
On right hand side of chassis		47914 <input checked="" type="checkbox"/>	2600
<b>Operation Counter</b>			
Operation Counter CDM		48535	7450

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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	138120	SPS08F3PEW6L	178120	SPS08F4PMW6L	173210	SPS08F4PEW6L	213210
1000	SPS10F3PMW6L	144720	SPS10F3PEW6L	184720	SPS10F4PMW6L	183220	SPS10F4PEW6L	223220
1250	SPS12F3PMW6L	161860	SPS12F3PEW6L	201860	SPS12F4PMW6L	206450	SPS12F4PEW6L	246450
1600	SPS16F3PMW6L	182610	SPS16F3PEW6L	222610	SPS16F4PMW6L	233700	SPS16F4PEW6L	273700

### 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	136120	SPS08F3PEW2B	176120	SPS08F4PMW2B	171210	SPS08F4PEW2B	211210
1000	SPS10F3PMW2B	142720	SPS10F3PEW2B	182720	SPS10F4PMW2B	181220	SPS10F4PEW2B	221220
1250	SPS12F3PMW2B	159860	SPS12F3PEW2B	199860	SPS12F4PMW2B	204450	SPS12F4PEW2B	244450
1600	SPS16F3PMW2B	180610	SPS16F3PEW2B	220610	SPS16F4PMW2B	231700	SPS16F4PEW2B	271700

### 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	122720	SPS08F3PEW0D	162720	SPS08F4PMW0D	157810	SPS08F4PEW0D	197810
1000	SPS10F3PMW0D	129320	SPS10F3PEW0D	169320	SPS10F4PMW0D	167820	SPS10F4PEW0D	207820
1250	SPS12F3PMW0D	146460	SPS12F3PEW0D	186460	SPS12F4PMW0D	191050	SPS12F4PEW0D	231050
1600	SPS16F3PMW0D	167210	SPS16F3PEW0D	207210	SPS16F4PMW0D	218300	SPS16F4PEW0D	258300

**Note:**

All draw-out type circuit breakers will be supplied with:

- Vertical-vertical terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 2 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) and shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.



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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



- 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	Ref-Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF6L	106100	SPS08F3PEF6L	146100	SPS08F4PMF6L	128990	SPS08F4PEF6L	168990
1000	SPS10F3PMF6L	111710	SPS10F3PEF6L	151710	SPS10F4PMF6L	138500	SPS10F4PEF6L	178500
1250	SPS12F3PMF6L	128790	SPS12F3PEF6L	168790	SPS12F4PMF6L	160680	SPS12F4PEF6L	200680
1600	SPS16F3PMF6L	149130	SPS16F3PEF6L	189130	SPS16F4PMF6L	183680	SPS16F4PEF6L	223680

## Fixed Type circuit breaker with Microprocessor based ET2B Trip Unit

Rating In (A)	3P Fixed Manual Reference	Ref-Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF2B	104100	SPS08F3PEF2B	144100	SPS08F4PMF2B	126990	SPS08F4PEF2B	166990
1000	SPS10F3PMF2B	109710	SPS10F3PEF2B	149710	SPS10F4PMF2B	136500	SPS10F4PEF2B	176500
1250	SPS12F3PMF2B	126790	SPS12F3PEF2B	166790	SPS12F4PMF2B	158680	SPS12F4PEF2B	198680
1600	SPS16F3PMF2B	147130	SPS16F3PEF2B	187130	SPS16F4PMF2B	181680	SPS16F4PEF2B	221680

## Fixed Type switch disconnector without protection

Rating In (A)	3P Fixed Manual Reference	Ref-Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF0D	90700	SPS08F3PEF0D	130700	SPS08F4PMF0D	113590	SPS08F4PEF0D	153590
1000	SPS10F3PMF0D	96310	SPS10F3PEF0D	136310	SPS10F4PMF0D	123100	SPS10F4PEF0D	163100
1250	SPS12F3PMF0D	113390	SPS12F3PEF0D	153390	SPS12F4PMF0D	145280	SPS12F4PEF0D	185280
1600	SPS16F3PMF0D	133730	SPS16F3PEF0D	173730	SPS16F4PMF0D	168280	SPS16F4PEF0D	208280

**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

Description	Rated operational voltage	Reference	Unit LP [₹]
<b>Gear Motor (MCH)</b>			
AC 50/60 Hz	100/130 V	33176	37500
	200/240 V	33177	
	277/415 V	33179	
DC	24/30 V	33185	
	48/60 V	33186	
	100/125 V	33187	
	200/250 V	33188	
<b>Terminal Block</b>			
For Fixed circuit breaker		47074	200
For Drawout circuit breaker		33098	215
<b>ON/OFF Indication contacts (OF) 1Part</b>			
Changeover contact 6A	240V	47076	1100
<b>Ready to close contact</b>			
Changeover contact 5A	240V	47080	2600
<b>Door interlock (VPECD)/1 part</b>			
Right side of chassis		33172	2300

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

“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/#/>

## Unequalled benefits



## For you

### 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.

# 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



# EasyPact TVS

## 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.
- Operating Ambient Temperature upto 60°C.
- Wide Band Coil in 6 -38A for 220 & 415VAC

[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"/>	870
				1	-	LC1E0610* <input checked="" type="checkbox"/>	870
25 A	9 A	5.5	4	-	1	LC1E0901* <input checked="" type="checkbox"/>	900
				1	-	LC1E0910* <input checked="" type="checkbox"/>	900
25 A	12 A	7.5	5.5	-	1	LC1E1201* <input checked="" type="checkbox"/>	1000
				1	-	LC1E1210* <input checked="" type="checkbox"/>	1000
32 A	18 A	12	9	-	1	LC1E1801* <input checked="" type="checkbox"/>	1150
				1	-	LC1E1810* <input checked="" type="checkbox"/>	1150
36A	25 A	15	11	-	1	LC1E2501* <input checked="" type="checkbox"/>	1600
				1	-	LC1E2510* <input checked="" type="checkbox"/>	1600
50 A	32 A	20	15	-	1	LC1E3201* <input checked="" type="checkbox"/>	3300
				1	-	LC1E3210* <input checked="" type="checkbox"/>	3300
50 A	38 A	25	18.5	-	1	LC1E3801* <input checked="" type="checkbox"/>	4050
				1	-	LC1E3810* <input checked="" type="checkbox"/>	4050
60 A	40 A	29	22	1	1	LC1E40* <input checked="" type="checkbox"/>	5250
70 A	50 A	34	25/30	1	1	LC1E50*	6385
80 A	65 A	50	37	1	1	LC1E65* <input checked="" type="checkbox"/>	8650

[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"/>	10850
120 A	95 A	60	45	1	1	LC1E95* <input checked="" type="checkbox"/>	12750
150 A	120 A	75	55	1	1	LC1E120*	16000
200 A	160 A	120	90	1	1	LC1E160*	21000
250 A	200 A	150	110	-	-	LC1E200*	30420
300 A	250A	175	132	-	-	LC1E250*	36040
320 A	300 A	215	160	-	-	LC1E300*	43155
500 A	400	295	220	-	-	LC1E400*	54855
700 A	500	375	280	-	-	LC1E500*	77270
1000 A	630	500	375	-	-	LC1E630*	109705

\* Reference to be completed by adding coil voltage code

### Coil Voltage Code

* VOLTAGE (V AC)	24	110	220	415
LC1E06.....LC1E300	B5	F5	M5	N5
LC1E400.....LC1E630	B7	F7	M7	N7
LC1E06.....LC1E38	-	-	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 .

Please add ₹ 120/- for wide band coil contactor from 6A -18A (65% Uc 120%) & ₹ 120/- for 25A to 38A ( 70% Uc 120%)

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. December 29, 2016

# EasyPact TVS

## Power Contactors - ETVS (4 Pole AC Control)



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

AC-1 Rating @ 60°C	Power Poles	Reference	Unit MRP [₹]	Power Poles	Reference	Unit MRP [₹]
16	4NO	LC1E06004*	1050	2NO + 2NC	LC1E06008*	1295
20	4NO	LC1E09004*	1120	2NO + 2NC	LC1E09008*	1360
25	4NO	LC1E12004*	1230	2NO + 2NC	LC1E12008*	1490
32	4NO	LC1E18004*	1290	2NO + 2NC	LC1E18008*	1645
40	4NO	LC1E25004*	2040	2NO + 2NC	LC1E25008*	2705
45	4NO	LC1E32004*	3400	2NO + 2NC	LC1E32008*	4195
50	4NO	LC1E38004*	4020	2NO + 2NC	LC1E38008*	5295
60	4NO	LC1E40004*	6335	2NO + 2NC	LC1E40008*	8165
80	4NO	LC1E65004*	8605	2NO + 2NC	LC1E65008*	9855

AC-1 Rating @ 60°C	Power Poles	Reference	Unit LP [₹]	Power Poles	Reference	Unit LP [₹]
100	4NO	LC1E80004*	10715	2NO + 2NC	LC1E80008*	14585
125	4NO	LC1E95004*	12415	2NO + 2NC	LC1E95008*	17475

\* Reference to be completed by adding coil voltage code

## Control Relays - ETVS (AC Control)

Auxiliary Contacts		Reference	Unit MRP [₹]
NO	NC		
4	0	CAE40*	950
3	1	CAE31*	
2	2	CAE22*	

\* Reference to be completed by adding coil voltage code

## Coil Voltage Code

* Voltage (V AC)	24	110	220	240	415
LC1E0600*...9500* 50/60 Hz	B7	F7	-	-	-
LC1E0600*...9500* 50 Hz/ Wide Band	-	-	M5WB	-	N5WB
Control relay CAE	B5	F5	M5	U5	N5

Note:

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

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. December 29, 2016

## Thermal Overload Relay - ETVS



- Conformance to IEC 60947-4-1, CE Marking
- Range : 0.1A to 630A
- Tripping Class : 10A
- Direct & Independent mounting

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP [₹]	
<b>LRE</b>				
0.1...0.16 A	E06...E38	LRE01	1380	
0.16...0.25 A	E06...E38	LRE02		
0.25...0.4 A	E06...E38	LRE03		
0.4...0.63 A	E06...E38	LRE04		
0.63...1 A	E06...E38	LRE05 <input checked="" type="checkbox"/>		
1...1.6 A	E06...E38	LRE06 <input checked="" type="checkbox"/>		
1.6...2.5 A	E06...E38	LRE07 <input checked="" type="checkbox"/>		
2.5...4 A	E06...E38	LRE08 <input checked="" type="checkbox"/>		
4...6 A	E06...E38	LRE10 <input checked="" type="checkbox"/>		
5.5...8 A	E09...E38	LRE12 <input checked="" type="checkbox"/>		
7...10 A	E09...E38	LRE14 <input checked="" type="checkbox"/>		
9...13 A	E12...E38	LRE16 <input checked="" type="checkbox"/>		
12...18 A	E18...E38	LRE21 <input checked="" type="checkbox"/>		1600
16...24 A	E25...E38	LRE22 <input checked="" type="checkbox"/>		1850
23...32 A	E25...E38	LRE32 <input checked="" type="checkbox"/>	2450	
30...38 A	E38	LRE35 <input checked="" type="checkbox"/>	2750	
17...25 A	E40...E95	LRE322	3015	
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		4100

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit LP [₹]
<b>LRE</b>			
55...70 A	E80...E95	LRE361	4450
63...80 A	E80...E95	LRE363	4400
80...104 A	E95	LRE365	
51...81 A	E120...E300	LRE480	8800
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	9550
258...414 A	E300...E400	LRE487	11660
321...513 A	E500	LRE488	12750
394...630 A	E630	LRE489	13780

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit LP: ₹520
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit LP: ₹ 1550

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. December 29, 2016

## Spare Coils

Contactor	Reference	Unit LP [₹]
CAE, LC1E06...E18	LAEX1**	785
LC1E25	LAEX12**	
LC1E32/E38	LAEX2**	965
LC1E40/E65	LAEX3**	1435
LC1E80/E95	LAEX4**	1800
LC1E120/E160	LAEX5**	2005
LC1E200/E250	LAEX6**	2800
LC1E300	LAEX7**	3050
LC1E0600*... LC1E1800*	LAEX1T**	910
LC1E2500*... LC1E3800*	LAEX2T**	1095
LC1E4000*...LC1E9500*	LAEX4T**	1935

\* Reference to be completed by adding coil voltage code

	110	220	415
LC1E06-LC1E300	F5	M5	N5
LC1E400-LC1E630	F7	M7	N7
LC1E0600*-LC1E9500*	-	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*..E95*	Front	1NO+1NC	LAEN11 <input checked="" type="checkbox"/>	260
			2NO	LAEN20 <input checked="" type="checkbox"/>	260
			2NC	LAEN02 <input checked="" type="checkbox"/>	275
			2NO+2NC	LAEN22 <input checked="" type="checkbox"/>	450
			4NO	LAEN40 <input checked="" type="checkbox"/>	450
Star Delta Timer	LC1E25..E630			LAETSD <input checked="" type="checkbox"/>	2110

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	495
	LC1E80..E95 & LC1E4000*..E9500*	LAEM4	1645
	LC1E120..E160	LAEM5	3075
	LC1E200..E250	LAEM6	3135
	LC1E300	LAEM7	3985
	LC1E400	LAEM8	4400

### 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					
LC1E40					
LC1E50					
LC1E65		1 or 1			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. December 29, 2016

# EasyPact TVS

## Motor Protection Circuit Breaker - ETVS



- Conformance to IEC 60947-4-1, 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	Reference	Unit MRP [₹]
	KW	hP			
<b>GZ1-E Thermal Magnetic- With Pushbutton control</b>					
100 kA	-	-	0.1 - 0.16	GZ1E01	2650
	0.06	-	0.16 - 0.25	GZ1E02	
	0.09	-	0.25 - 0.40	GZ1E03	
	0.18	-	0.40 - 0.63	GZ1E04	2950
	0.37	0.5	0.63 - 1.0	GZ1E05	
	0.55	0.75	1.0 - 1.6	GZ1E06	3000
	0.75	1	1.6 - 2.5	GZ1E07	
	1.1	2	2.5 - 4	GZ1E08	3100
	2.2	3	4 - 6.3	GZ1E10	
	3	5.5	6 - 10	GZ1E14	3200
10 kA	5.5	7.5	9 - 14	GZ1E16	3600
	7.5	10	13 - 18	GZ1E20	3850
	9	12.5	17 - 23	GZ1E21	4250
	11	15	20 - 25	GZ1E22	4450
	15	20	24 - 32	GZ1E32	7950

## Accessories - ETVS MPCB

Description	Mounting	Contacts	Reference	Unit LP [₹]
Auxillary Contact Block	LH Side Mounted	1NO+1NC	GZ1AN11	825
		2NO	GZ1AN20	1035

Description	Mounting	Range	Reference	Unit LP [₹]	
<b>Electric Trips</b>					
Undervoltage	RH Side Mounted	110...115 V	50 Hz	GZ1 AU115	2255
		220...240 V	50 Hz	GZ1 AU225	2255
		380...400 V	50 Hz	GZ1 AU385	3110
Shunt trip		110...115 V	50 Hz	GZ1 AS115	2395
		220...240 V	50 Hz	GZ1 AS225	2395

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. December 29, 2016

# 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**
  - > The widest range of installation accessories available.
  - > Intuitive installation.
- **Optimize the organization of your switchboards**
  - > Compact solutions.
  - > Low heat dissipation.
- **Increase service continuity**
  - > Total coordination.
  - > Communication and preventive maintenance.

### Improves safety

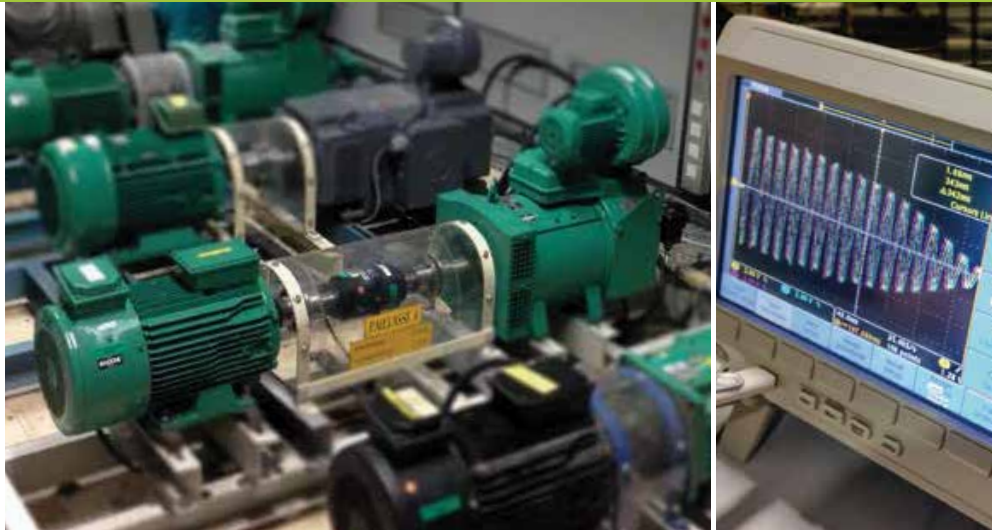
- **Equip your machines with TeSys products**
  - > Integrated safety features.
  - > Compliance with international standards.

### Adapts to any situation

- **Discover a wide range of protection and control products**
  - > The right response for the applications you need.
  - > A solution for each electrical function.
- **Export your machines worldwide**
  - > A single product lineup and identical part numbers worldwide.
- Multi-standard products IEC/UL/CSA/CCC.

### Simplifies smart installation design

- **Choose the right products quickly and easily**
  - > Motor starters selection software available
  - > [www.schneider-electric.com](http://www.schneider-electric.com)
- **Recommend supervision and control solutions**
  - > Preventive maintenance
  - > Energy management
- **Extend motor lifetime**
  - > High-performance advanced protection
  - > Energy efficiency



## 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 CO<sup>2</sup> 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
- 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	Unit LP [₹]	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit LP [₹]
2NO + 2NC	CA2KN22*	1175	CA3KN22**	1600	CA4KN22***	1930
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

## 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 <sup>(4)</sup> coil options

[le] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference	Unit LP [₹]
6	3	1 NC	LC1K0601*	995	LP1K0601**	1480
		1 NO	LC1K0610*		LP1K0610**	
9	5.5	1 NC	LC1K0901*	1050	LP1K0901**	1700
		1 NO	LC1K0910*		LP1K0910**	
12	7.5	1 NC	LC1K1201*	1180	LP1K1201**	1850
		1 NO	LC1K1210*		LP1K1210**	
16	10	1 NC	LC1K1601*	1380	-	-
		1 NO	LC1K1610*		-	-

## 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 <sup>(4)</sup> coil options

[le] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]
6	3	1 NC	LC2K0601*	3145
		1 NO	LC2K0610*	
9	5.5	1 NC	LC2K0901*	3315
		1 NO	LC2K0910*	
12	7.5	1 NC	LC2K1201*	3420
		1 NO	LC2K1210*	
16	10	1 NC	LC2K1601*	3830
		1 NO	LC2K1610*	

\* Reference to be completed by adding coil voltage code

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

## Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CA2KN, LC1-K06 to K16, 50/60Hz	B7	-	-	F7	M7	N7
	LC2-K06 to K16, 50/60Hz	-	-	-	F7	M7	N7
DC**	CA3KN, LP1-K06 to K12	BD	-	-	FD	MD	-
DC low consumption***	CA4KN	BW3	EW3	SW3	-	-	-

**Note:** 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. December 29, 2016



## 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	550		
		1 NO + 3 NC	LA1KN13			
		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)	1840
	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 - LR2-K Model



- 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	1585	
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		1610
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. December 29, 2016

## 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

No of Poles	AC Control Reference	Unit MRP [₹]	DC Control Reference <sup>(2)</sup>	Unit MRP [₹]	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit MRP [₹]
3NO+2NC	CAD32*	1250	CAD32**	1900	CAD32***	2220
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 & 65A contactors
- Inbuilt surge suppressor in DC coil for 9-65A

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference <sup>(1)</sup>	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"/>	1250	LC1D09** <input checked="" type="checkbox"/>	1950
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12* <input checked="" type="checkbox"/>	1400	LC1D12** <input checked="" type="checkbox"/>	2100
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18* <input checked="" type="checkbox"/>	1570	LC1D18** <input checked="" type="checkbox"/>	2700
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25* <input checked="" type="checkbox"/>	2000	LC1D25** <input checked="" type="checkbox"/>	3400
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32* <input checked="" type="checkbox"/>	4000	LC1D32** <input checked="" type="checkbox"/>	7200
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38* <input checked="" type="checkbox"/>	5750	LC1D38** <input checked="" type="checkbox"/>	8200
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A* <input checked="" type="checkbox"/>	6350	LC1D40A**	9250
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A* <input checked="" type="checkbox"/>	7550	LC1D50A**	11600
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A* <input checked="" type="checkbox"/>	10500	LC1D65A**	13200

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference <sup>(1)</sup>	Unit LP [₹]
	kW	hP	A	kW	hP	A					
125	45	60	80	55	75	105	1 NO + 1 NC	LC1D80* <input checked="" type="checkbox"/>	13100	LC1D80**	15950
	45	60	95	55	75	110	1 NO + 1 NC	LC1D95*	16050	LC1D95**	19000
250	59	80	115	-	-	-	1 NO + 1 NC	LC1D115*	19400	LC1D115*	20000
	80	110	150	-	-	-	1 NO + 1 NC	LC1D150* <input checked="" type="checkbox"/>	25500	LC1D150*	26500

\* 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. December 29, 2016

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

[le] Rated Operational Current AC1	Motor Power (Long Life) AC3			Motor Power (Normal Life) AC3			Auxiliary Contacts	Reference	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"/>	2400
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2500
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	3100
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25**** <input checked="" type="checkbox"/>	4780
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32**** <input checked="" type="checkbox"/>	7955

\* 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 D38, D40A to D150 50/60 Hz	B7	-	-	F7	M7	N7
DC**	CAD, LC1-D09..to D38, D40A, 50A , 65A, 80 , 95, 115 & D150	BD	-	-	FD	MD	-
DC Low Consumption***	CAD	BL	-	-	FL	ML	-
DC Low Consumption****	LC1D09...D32	BL	EL	SL	-	-	-

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

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
- Inbuilt 1NO+1NC auxiliary contact, upto 250A

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit MRP [₹]	DC control Reference	Unit MRP [₹]
20	4NO	-	-	LC1DT20**	2040
	2NO+2NC	-	-	LC1D098**	2440
25	4NO	-	-	LC1DT25**	2595
	2NO+2NC	-	-	LC1D128**	3430
32	4NO	-	-	LC1DT32**	3080
	2NO+2NC	-	-	LC1D188**	4095
40	4NO	-	-	LC1DT40**	4840
	2NO+2NC	-	-	LC1D258**	6370
60	4NO	-	-	LC1DT60A**	10170
	2NO+2NC	-	-	LP1D40008**	12010

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit LP [₹]	DC control Reference	Unit LP [₹]
80	4NO	-	-	LC1DT80A**	14370
	2NO+2NC	-	-	LP1D65008**	17315
125	4NO	-	-	LP1D80004**	19130
	2NO+2NC	-	-	LP1D80008**	21605
250	4NO	LC1D1150046**	23925	LC1D1150046*	28385

\* Reference to be completed by adding coil voltage code

Coil Voltage Code

VOLTAGE	24	110	220	415
LC1D115 50/60Hz	-	F7	M7	N7
<b>DC**</b> LC1DT20...DT40, LC1-DT60A & DT80A & LC1D09...D80, D115 and LP1D650 -- LP1D800	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 [₹]
<b>LC1-D*K - with Damping Resistors &amp; Block of Early Make poles</b>			
12.5 KVAR	1 NO + 2 NC	LC1DFK*	2700
16.7 KVAR	1 NO + 1 NC	LC1DGK11*C	3800
20 KVAR	1 NO + 2 NC	LC1DLK*	4400
25 KVAR	1 NO + 1 NC	LC1DMK11*C	4900
33.3 KVAR	1 NO + 2 NC	LC1DPK*C	10400
40 KVAR	1 NO + 2 NC	LC1DTK*C	14500
60 KVAR	1 NO + 2 NC	LC1DWK*C	16500

#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. December 29, 2016

Accessories - For D Model Contactors

Description	For use with	Contacts	Reference	Unit LP [₹]	
<b>Add On Blocks</b>					
Additional instantaneous auxiliary contact blocks	LC1D09 ...LC1D150 & LC1F*	Front Mounted	1 NO+1NC	LADN11	360
			2 NO	LADN20	
			2 NC	LADN02	385
			2 NO+2NC	LADN22	590
			4 NC	LADN04	645
			4 NO	LADN40	590
			1 NO+3NC	LADN13	
LC1D80..LC1D95 & LC1F*	Front Mounted	1 NO	LADN10	205	
		1 NC	LADN01		

Description	Contacts	Reference	Unit LP [₹]	
<b>Add On Blocks</b>				
Additional instantaneous auxiliary contact blocks	Side Mounted <sup>(1)</sup>	1 NO+1NC 2 NO	LAD8N11 LAD8N20	950
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	2350
		1 NO+1NC 0.1..30s	LADT2	
		1 NO+1NC 10..180s	LADT4	
		1 NO+1NC 1..30s <sup>(2)</sup>	LADS2 <input checked="" type="checkbox"/>	2510
		1 NO+1NC 0.1 ..3s	LADR0	2350
OFF delay	1 NO+1NC 0.1 ..30s 1 NO+1NC 10..180s	LADR2 <input checked="" type="checkbox"/> LADR4		
Set of shins to be used with 4 pole contactors			LA9D511	920

(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 and Model F Contactors only

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	3P	LC1 D09...D38	1 on LH side	and -	1	or 1	or 1
		LC1 D40A...D65A	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
		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...D65A	-	-	1	or 1	or 1
		LC1 D80 and D95	-	1	or 1	or 1	or 1
		LC1 D115 and D150	1 on LH side	and -	1	or 1	or 1
		LC1 DT20...DT40	-	-	1	or 1	or 1
	4P	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
		LC1 D09...D38	-	-	1	-	-
		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. December 29, 2016

Description	Time Delay Range	Timer Type	Reference	Unit LP [₹]
On delay timer <sup>(1)</sup> <sup>(2)</sup>	15...30 s	On delay	LA4DT2U	2830
On delay timer <sup>(1)</sup> <sup>(2)</sup>	0.1...2 s	On delay	LA4DT0U	
On delay timer <sup>(1)</sup> <sup>(2)</sup>	25...500 s	On delay	LA4DT4U	
Relay interface module - 24V DC <sup>(1)</sup> <sup>(2)</sup>	-	-	LA4DFB	2610

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB = ₹ 595/- and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3 = ₹ 505/-.

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

Mounting Location	For Use With Contactor	Reference	Unit LP [₹]
<b>For D Model Mechanical Latch Blocks</b>			
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*	3405
	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*	3560

\* 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 [₹]
<b>AC Coils</b>		
CAD, LC1-D09...D38, DT20..40	LXD1*	870
LC1D40A, D50A, D65A & LC1DT60A, DT80A	LXD3*	2360
D80 & D95 (3P & 4P)	LX1D6*	2500
LC1-D115,D150	LX1D8*	4825
<b>DC Coils</b>		
LC1-D80-D95	LX4D7**	7435
LC1-D115, D150	LX4D8**	8175

**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,L-C1D40A, 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. December 29, 2016

Description	For use with	Reference	Unit LP [₹]
<b>Power connection accessories</b>			
Terminal block	For supply to one or more GV2 G busbar sets	GV1G09	1365
Set of 63 A busbars for paralleling of contactors	2 contactors LC1 D09...D18 or D25...D38	GV2G245	1020
	4 contactors LC1 D09...D18 or D25...D38	GV2G445	1610
Set of 115 A busbars for paralleling of contactors	2 contactors LC1 D40A...D65A	GV3G264	1830
	3 contactors LC1 D40A...D65A	GV3G364 (1)	970
Set of S-shape busbars	For circuit breakers GV3P** & GV3L** and contactors LC1 D40A...D65A	GV3S	730



GV2G245



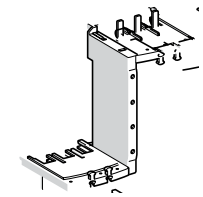
GV1G09

Description	For use with	Reference	Unit LP [₹]
<b>Mechanical interlock</b>	LC1 D09 to D38	LAD9V2	485
	LC1 D40A to D65A	LAD4CM	980
	LC1 D80 and D95 ( for AC control voltage) (2)	LA9D4002	2145
	LC1 D80 and D95 (for DC control voltage) (2)	LA9D8002	3235
	LC1 D115 and D150 (2)	LA9D11502	3275

(1) With this set of busbars, any one contactor can be supplied directly by its EverLink® double cage power terminal block.

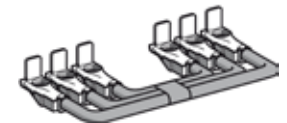
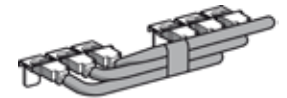
The other two contactors are supplied by the busbar set. The 115 A limitation is therefore applied to these two contactors.

(2) With electrical interlock



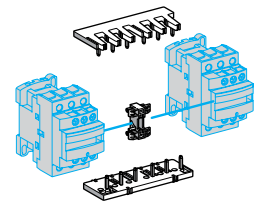
GV3S

Description	For use with	Reference	Unit LP [₹]
<b>Power Connection for Reversing</b>			
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 D65A	LA9D65A69	2100
	LC1 D80 and D95 ( for AC control voltage)	LA9D8069	4500
	LC1 D80 and D95 (for DC control voltage)	LA9D8069	4500
	LC1 D115 and D150	LA9D11569	7500



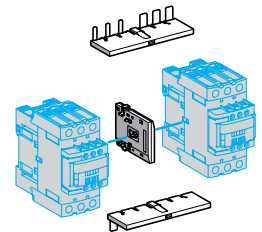
LA9 D8069

Description	For use with	Reference	Unit LP [₹]
<b>Reversing Kit</b>			
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
	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 D65A	LAD9R3	2400



LAD9R1

Description	For use with	Reference	Unit LP [₹]
<b>Star Delta Kit</b>			
Time delay contact block LAD S2 (LC1 D09...D80),	LC1 D09 and D12	LAD91217	3800
Power circuit connections (LC1 D09...D80),	LC1 D18 to D32	LAD93217	4900
Hardware required for fixing the contactors onto the mounting plate (LC1D80)	LC1 D40A AND D50A	LAD9SD3	9900
	LC1 D80	LA9D8017	11000



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. December 29, 2016

Description	For Use With	Reference	Unit LP [₹]
<b>For Contactor D115/150</b>			
Arc chamber - 3P	LC1D115	LA5D11550	4235
Arc chamber - 3P	LC1D150	LA5D15050	4235
Contacts set - 3P	LC1D115	LA5D1158031	11190
Contacts set - 3P	LC1D150	LA5D150803	11600
Contacts set - 4P	LC1D1150046	LA5D115804	15435

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit LP [₹]
<b>Coil Suppressor Modules</b>					
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	
LC1-D12 & D25 (4P)		12...250 V DC	Diode DC	LA4DC1U	
LC1-D12...D25 (4P)		24...48 V AC/DC	Varistor AC/DC	LA4DE1E	
-		110...250 V AC/DC	Varistor AC/DC	LA4DE1U	
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)		24...48 V AC	Varistor AC/DC	LAD4VE	835
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	750
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	
		110...240 V AC 100 Hz	RC Circuit AC	LAD4RCU <input checked="" type="checkbox"/>	835
		110...250 V AC	Varistor AC/DC	LAD4VU	
LC1D80, LC1D95, LC2D80, LC2D95 (3P) LC2D80 (4P), LC1D40008, LC1D65008	Screw	24...250 V DC	Diode DC	LA4DC3U	860
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)		24...48 V AC	Varistor AC/DC	LA4DE2E	820
		110...250 V AC	Varistor AC/DC	LA4DE2U	
		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	1305
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	1305
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	860
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	1305
		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




## 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:



**Standard TeSys U motor starters**

Translucent labels to identify safety-chain devices:




Flexibility to customise contactors included in the safety chain during panel building



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles

### Complete safety-chain identification system

TeSys D range				TeSys U range
Retrofit contactor safety covers			Auxiliary contact block	Retrofit identification label
				
LAD9ET1S 9A up to 65 A	LAD9ET3S 80A to 95A	LAD9ET4S 110A to 150A	LADN22S 2NO + 2NC	LU9ET1S

Also available for CAD32/CAD50

### 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...D65A and DT20...DT80A	LAD9ET1S	450
	LC1 D80 and D95	LAD9ET3S	
	LC1 D115 AND D150	LAD9ET4S	
Auxiliary Contact Block With red front face - for safety chain indication	2NO+2NC	LADN22S	650

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

# Advanced motor protection for a wide range of applications

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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]	
<b>LRD Model (Direct Mounting)</b>				
0.1...0.16 A		LRD01	1750	
0.16...0.25 A		LRD02		
0.25...0.4 A		LRD03		
0.4...0.63 A		LRD04		
0.63...1 A		LRD05 ✓		
1...1.6 A	GV2L03, LE03, LC1D09...LC1D38	LRD06 ✓		
1.6...2.5 A		LRD07 ✓		
2.5...4 A		LRD08 ✓		
4...6 A		LRD10 ✓		
5.5...8 A		LRD12 ✓		
7...10 A		LRD14 ✓		
9...13 A		LRD16 ✓		1800
12...18 A		LRD21 ✓	1850	
16...24 A	GV2L22, LC1D25...D38	LRD22 ✓	1850	
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 ✓	3150	
30...38 A	LC1D32, LC1D38	LRD35		
23...32 A	LC1D40A...D65A	LRD332	3500	
30...40 A	LC1D80...LC1D95	LRD3353		
30...40 A	LC1D40A...D65A	LRD340		
30...40 A	LC1D80...LC1D95	LRD3355		
37...50 A	LC1D40A...D65A	LRD350 ✓		4500
48...65 A	LC1D80...LC1D95	LRD3357		5300
48...65 A	LC1D40A...D65A	LRD365	5650	
48...65 A	LC1D80...LC1D95	LRD3359		

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP [₹]
<b>LRD Model (Direct Mounting)</b>			
63...80 A	LC1D65...LC1D95	LRD3363	6090
80...104 A	LC1D80, LC1D95	LRD3365	7740

### 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: ₹ 1670/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit LP: ₹ 1385/-
- 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.

## Electronic Thermal 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

Current Range	For Use With	Reference*	Unit MRP [₹]
0.1...0.5A		LR9D01	7595
0.4...2.0A	LC1D09 - 38A	LR9D02	7940
1.6...8.0A	Direct Mounting	LR9D08	7940
6.4...32A		LR9D32	9115
22...110A	Separate Mounting	LR9D110S	13930

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

## Electronic Over Current Relay



### Features :

- Over current, Under current,
- Phase loss, Phase reversal, Stall, Jam, Current imbalance
- Earth fault, Short circuit
- Definite & Inverse time characteristics
- Range : 0.5 A to 800A (1)
- Operating Voltage : 100-240VAC/DC 7 24VAC/DC
- Voltage & Power protection ( Optional)

(1) For higher rating please contact Customer Care Centre

Please contact Customer Care Centre for more details on EOOR

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

# 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

[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. December 29, 2016

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) AC3			Motor Power (Normal Life) AC3			Reference	Unit LP [₹]
	kW	hP	A	kW	hP	A		
200	59	80	115	80	110	150	LC1F115	16000
250	80	110	150	100	135	185	LC1F150	22000
275	100	135	185	110	150	205	LC1F185	26000
315	110	150	225	140	190	265	LC1F225	29000
350	140	190	265	160	220	300	LC1F265	33500
400	180	245	330	220	300	400	LC1F330	40500
500	220	300	400	250	340	450	LC1F400	46000
700	280	380	500	375	500	630	LC1F500	63000
1000	375	500	630	450	610	800	LC1F630	112750
1000	450	610	800				LC1F800	175000
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.
- For additional auxiliary block and other accessories please see page 95

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	27140
250 A	4 NO	LC1F1504	33010
275 A	4 NO	LC1F1854	41160
315 A	4 NO	LC1F2254	48570
350 A	4 NO	LC1F2654	54260
400 A	4 NO	LC1F3304	64490
500 A	2 NO	LC1F4002	45715
500 A	4 NO	LC1F4004	76070
700 A	2 NO	LC1F5002	67275
700 A	4 NO	LC1F5004	111075
1000 A	2 NO	LC1F6302	109240
1000 A	4 NO	LC1F6304	161445
1600 A	4 NO	LC1F7804	344530

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- For additional auxiliary block, timers & other accessories please see page 95
- Power terminals may be protected by the addition of shrouds, to be ordered separately.

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

**Coils F Model**

Product compatibility	AC Coil Reference	Unit LP [₹]	DC Coil Reference <sup>(2)</sup>	Unit LP [₹]
LC1F115, LC1F150	LX1FF*	3300	LX4FF**	7400
LC1F185, LC1F225	LX1FG*	4600	LX4FG**	9800
LC1F265, LC1F330	LX1FH*	5750	LX4FH**	12000
LC1F400	LX1FJ*	12200	LX4FJ**	19000
LC1F500	LX1FK*	14500	LX4FK**	19700
LC1F630/LC1F1250	LX1FL*	16200	LX4FL**	20400
LC1F800	<sup>1</sup>	-	LX4F8**	27500
LC1F1000, LC1F1700, LC1F2100	LX1FK*(3)	On Request	-	-
LC1F2600	LX1FL*(3)	On Request	-	-

Please replace ( \* ) with the Corresponding Control Voltage.

(1) Use rectifier with required DC coil (Ref: DR5TE4U) LP ₹ 9045/-

(2) Coil with suppressor fitted as standard.

(3) Set of two coils to be connected in series.

**Coil Voltage Code**

Type	Voltage (V)	24	110	220	415
AC*	LC1F115--F225,	-	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*	98285
320 A	320 A	160	213	1 NO + 1 NC	LC1V320*	131980
630 A	610 A	300	400	1 NO + 1 NC	LC1V610*	236730

### \* Coil Voltage Code

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.

## Accessories - D and F Model

Description	For use with	Contacts	Reference	Unit LP [₹]
<b>Add On Blocks</b>				
Additional instantaneous auxiliary contact blocks	LC1D09 ...LC1D150 & LC1F*	1 NO+1NC	LADN11	360
		2 NO	LADN20	
		2 NC	LADN02	385
		2 NO+2NC	LADN22	590
		4 NC	LADN04	645
		4 NO	LADN40	590
		1 NO+3NC	LADN13	
		3 NO+1NC	LADN31	205
		1 NO	LADN10	
		1 NC	LADN01	

Description	Contacts	Reference	Unit LP [₹]	
<b>Add On Blocks</b>				
Additional instantaneous auxiliary contact blocks	1 NO+1NC	LAD8N11	950	
	2 NO	LAD8N20		
Pneumatic timer blocks front mounted	1 NO+1NC 0.1..3s	LADT0	2350	
	1 NO+1NC 0.1..30s	LADT2		
	1 NO+1NC 10..180s	LADT4		
	1 NO+1NC 1..30s (2)	LADS2 <input checked="" type="checkbox"/>	2510	
	OFF delay	1 NO+1NC 0.1 ..3s	LADR0	2350
		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 [₹]
<b>Mechanical Interlocks (1) - Horizontally Mounted</b>		
LC1F115, LC1F150, LC1F1154, LC1F1504	LA9FF970	3110
LC1F185, LC1F1854, LC1F225, LC1F2254	LA9FG970	3605
LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004	LA9FJ970	4040
LC1F630, LC1F6304, LC1F800	LA9FL970	4485

(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\*

LC1F115, LC1F150	LA5FF431 <input checked="" type="checkbox"/>	16545
LC1F185, LC1F225	LA5FG431	23920
LC1F265	LA5FH431	31505
LC1F330, LC1F400	LA5F400803	38200
LC1F500	LA5F500803	49145
LC1F630	LA5F630803	78165
LC1F800	LA5F800803	98155

\* 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 [₹]
<b>Suppressor Blocks</b>				
suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	4195
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. December 29, 2016

## Coils F Model

Product compatibility	AC Coil Reference	Unit MRP [₹]	DC Coil Reference (2)	Unit LP [₹]
LC1F115, LC1F150	LX1FF*	3300	LX4FF**	7400
LC1F185, LC1F225	LX1FG*	4600	LX4FG**	9800
LC1F265, LC1F330	LX1FH*	5750	LX4FH**	12000
LC1F400	LX1FJ*	12200	LX4FJ**	19000
LC1F500	LX1FK*	14500	LX4FK**	19700
LC1F630	LX1FL*	16200	LX4FL**	20400
LC1F780	LX1FX* (3)	38400	LX4FX** (3)	40335
LC1F800	(1)	-	LX4F8**	27500

### Coil Voltage Code

Type	Voltage (V)	24	110	220	415
AC*	LC1F115--F225, LC1F400 -- 780	-	110	220	415
	LC1F265, LC1F330	-	1102	2202	3802
	LC1F115--F330	024	110	220	-
DC**	LC1F400--F780	-	110	220	-
	LC1F800	-	FW	MW	-

Please replace ( \* ) with the Corresponding Control Voltage.

(1) Use rectifier with required DC coil (Ref: DR5TE4U) LP ₹ 9045/-

(2) Coil with suppressor fitted as standard.

(3) Set of two coils to be connected in series.

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

Product compatibility	110V Reference	220/230V Reference	415/440V Reference	Unit LP [₹]
<b>Hoisting Applications - AC Coils</b>				
LC1F265, LC1F330	LX9FH1102	LX9FH2202	-	16430
LC1F400	LX9FJ925	LX9FJ931	LX9FJ937	20290
LC1F500	LX9FK925	LX9FK931	LX9FK937	On request
LC1F630	LX9FL924	LX9FL931	LX9FL936	24930

**Note:** Rectifier is a must with the coil. Ref no. DR5TE4U for 110..230V & DR5TE4S\* for 415..440V , LP ₹ 8220/- needs to be added extra with coil.

Product compatibility	48V Reference	110V Reference	220V Reference	440/460 V Reference	Unit LP [₹]
<b>Hoisting Applications - DC Coils</b>					
LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	24285
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	25975
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	24930

**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**

Contactor	110 V Reference	220 V Reference	440/460 V Reference	Unit LP [₹]
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### Economy Resistor

- To be used with hoisting application DC coil

LC1F400	1 x DR2SC0047	1 x DR2SC1200	1 x DR2SC4700	3120
LC1F500	1 x DR2SC0039	1 x DR2SC1000	1 x DR2SC3300	
LC1F630	2 x DR2SC0047	2 x DR2SC0047	2 x DR2SC3900	

## 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 [₹]
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### LR9-F Electronic Protection Relays

90...150 A	LR9F5369 <input checked="" type="checkbox"/>	10100
132...220 A	LR9F5371	12350
200...330 A	LR9F7375	12450
300...500 A	LR9F7379	16100
380...630 A	LR9F7381	17300

## Accessories

Description	For Use With	Relay Type	Reference	Unit LP [₹]
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### For LR9 - F Relay

Mounting plate LA7F		LR9-F5369, LR9-F5371	LA7F901	2930
		LR9-F7375, LR9-F7379, LR9-F7381	LA7F902	3945

### Connection Accessories

LA7F busbar	LC1F115	LR9-F5369	LA7F401	1975
	LC1F225/265	LR9-F5371	LA7F403	2850
	LC1F225-400	LR9-F7375, LR9-F7379, LR9-F7381	LA7F404	3045
	LC1F500	LR9F7381	LA7F405	3605
	LC1F630/800	LR9-F7381	LA7F406	3850

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. December 29, 2016



# Lineryg

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

Because Lineryg is:

Flexible



Safer



Reliable



**Lineryg BZ**  
Power Busbars

- > Quick connection plates for Compact and TeSys offers
- > Multi-standard offering up to 630 A

**Lineryg HK**  
"Hot Plug" Distribution

- > Panel easily upgradeable
- > Reliable "hot plug" modification or upgrade
- Multi-standard system of up to 160 A

**Lineryg FT**  
Device Feeders

- > Optimised productivity and efficiency of your control panel
- > Easy to install
- > High reliability

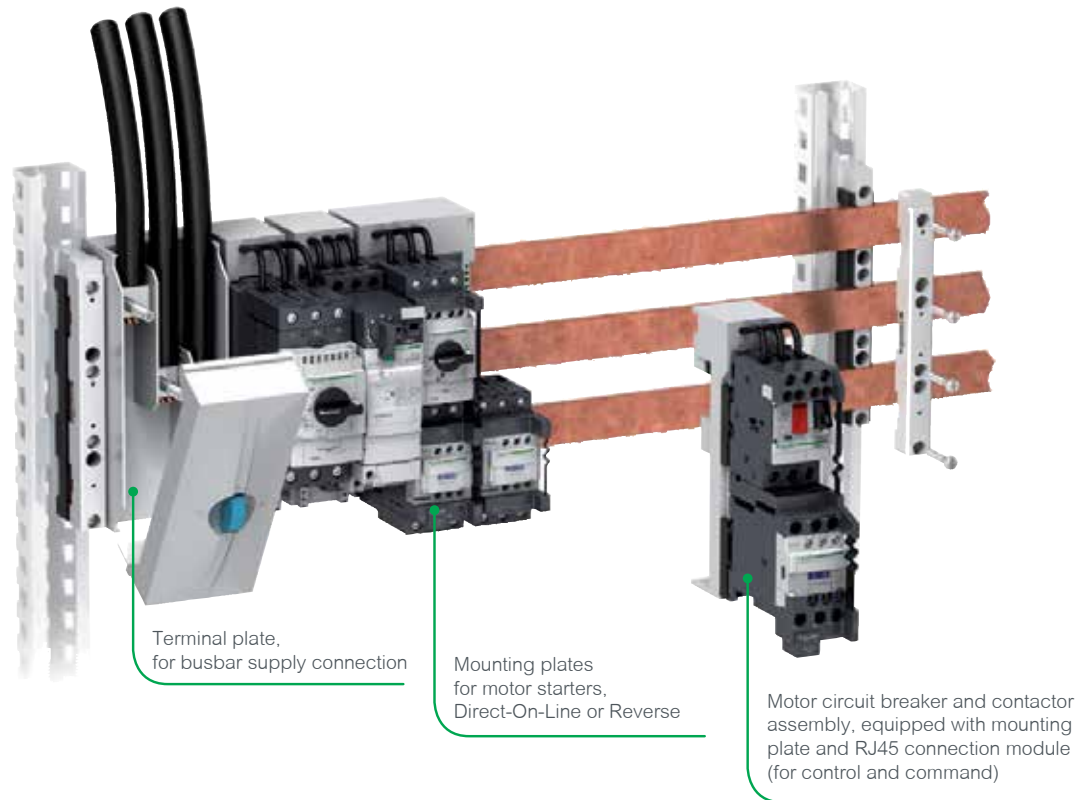
- > Quick Installation
- > Multi Standard Offer
- > Intuitive Solution

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

# Lineryg BZ

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

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



- ## Advantages
- 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

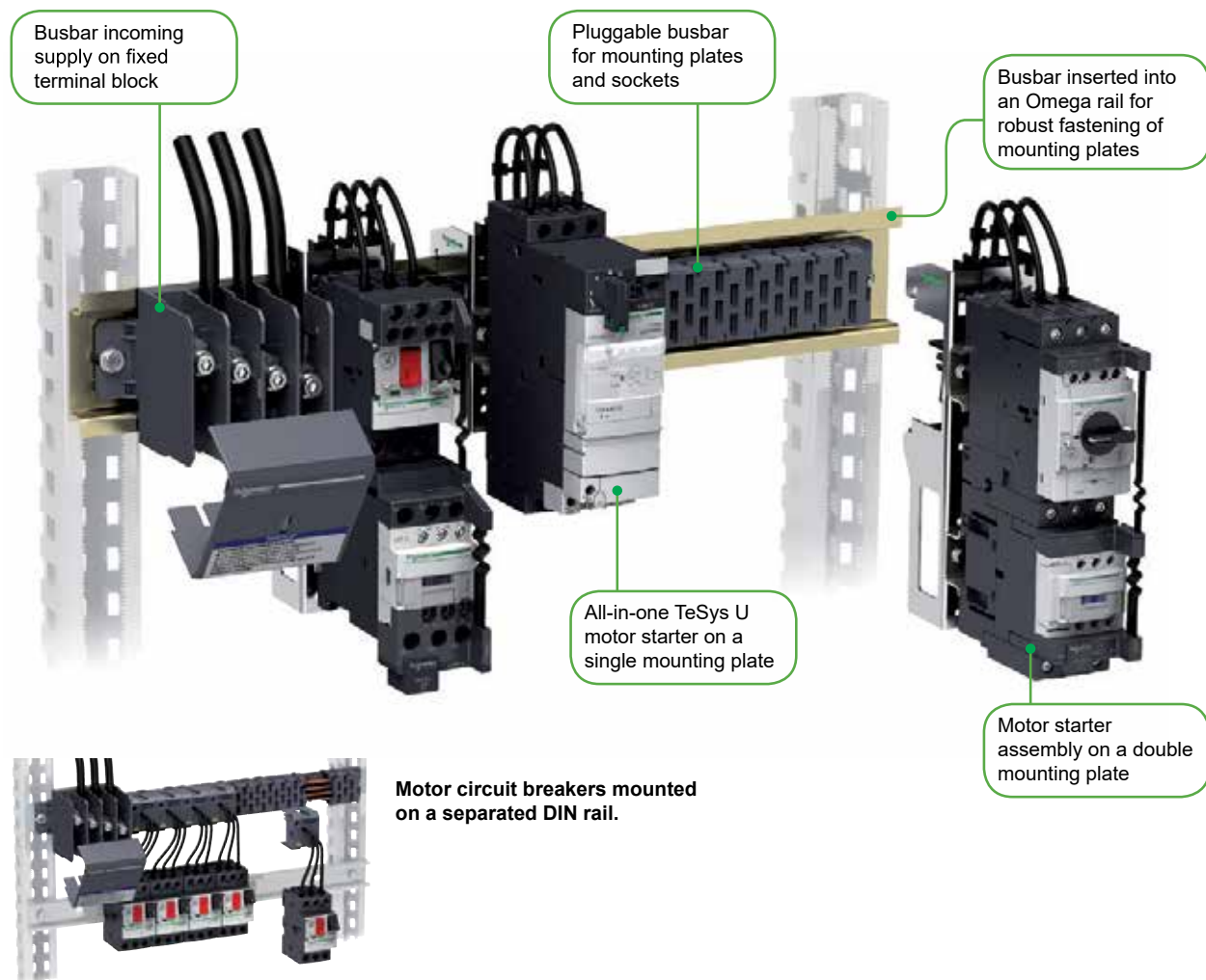
- A reliable electrical contact is ensured by copper blades
- The blue part locks the mounting plate on the busbar, compatibility is provided with standard profiles:
  - v Height 12, 15, 20, 25 or 30 mm,
  - v Width 5 or 10 mm



# Linery HK

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

When compactness and continuity of service are required



## Advantages

- Space saving in compact enclosures: the total volume is reduced to that of the motor starter assemblies
- Preserved continuity of service during modification and maintenance: live connection, disconnection (off load)
- Wide adaptability: 6 busbar lengths from 344 to 1100 mm, 12 models of sockets, 23 mounting plates for motor starters up to 25 or 50 A

### 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.



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

## Motor Circuit Breakers



- Conformance to IEC 60947 -1,-2,-4
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100 kA
- Conformity to International Standards - UL, CSA, CE
- 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 LP [₹]	
	kW	hP				
100 kA	-	-	0.1 - 0.16	GV2ME01	3200	
	0.06	-	0.16 - 0.25	GV2ME02		
	0.09	-	0.25 - 0.40	GV2ME03		
	0.18	-	0.40 - 0.63	GV2ME04 ✓		
	3700	0.37	0.5	0.63 - 1.0	GV2ME05 ✓	
		0.55	0.75	1.0 - 1.6	GV2ME06 ✓	3750
		0.75	1	1.6 - 2.5	GV2ME07 ✓	
		1.1	2	2.5 - 4	GV2ME08 ✓	
15 kA (1)	2.2	3	4 - 6.3	GV2ME10 ✓	3850	
	3	5.5	6 - 10	GV2ME14 ✓		
	5.5	7.5	9 - 14	GV2ME16 ✓	4400	
	7.5	10	13 - 18	GV2ME20 ✓		
	9	12.5	17 - 23	GV2ME21 ✓	5000	
	11	15	20 - 25	GV2ME22 ✓		
10 kA (1)	15	20	24 - 32	GV2ME32 ✓	8200	

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	3700	
	0.06	-	0.16 - 0.25	GV2P02		
	0.09	-	0.25 - 0.40	GV2P03		
	0.18	-	0.40 - 0.63	GV2P04		
	4050	0.37	0.5	0.63 - 1.0	GV2P05 ✓	
		0.55	0.75	1.0 - 1.6	GV2P06	
		0.75	1.0	1.6 - 2.5	GV2P07	
		1.1	2	2.5 - 4	GV2P08 ✓	4200
		2.2	3	4 - 6.3	GV2P10 ✓	
		3	5.5	6 - 10	GV2P14 ✓	4500
	50 kA (2)	5.5	7.5	9 - 14	GV2P16 ✓	5250
		7.5	10	13 - 18	GV2P20 ✓	
9		12.5	17 - 23	GV2P21 ✓	6250	
11		15	20 - 25	GV2P22 ✓		
35 kA (2)	15	20	24 - 32	GV2P32 ✓	10600	

### 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	18.5	30...40 A	GV3P40 ✓	12500
	22	37...50 A	GV3P50 ✓	15000
	30	48...65 A	GV3P65 ✓	16000

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

### GV3-M Range Thermal Magnetic - Pushbutton Control

15 kA	37	-	56...80 A	GV3ME80 ✓	14660
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\*\* 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

## Motor Circuit Breakers



- Conformance to IEC 60947 -1,-2,-4
- Magnetic circuit breakers range from 0.1-80A 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	3290	
	0.18	-	0.63	GV2LE04		
	0.37	0.5	1	GV2LE05		
	0.55	-	1.6	GV2LE06		
	1.1	1.5	2.5	GV2LE07		
	1.5	2	4	GV2LE08		
	2.2	3	6.3	GV2LE10		
	3	5.5	10	GV2LE14		
	15 kA	5.5	7.5	14	GV2LE16	3770
		7.5	10	18	GV2LE20	
11		15	25	GV2LE22		
10 kA	15	20	32	GV2LE32	6475	

### 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	4095	
	0.18	-	0.63	GV2L04		
	0.37	0.5	1	GV2L05		
	0.55	-	1.6	GV2L06		
	1.1	1.5	2.5	GV2L07		
	1.1	2	4	GV2L08		
	2.2	3	6.3	GV2L10		
	4	5.5	10	GV2L14		
	50 kA	5.5	7.5	14	GV2L16	11060
		7.5	10	18	GV2L20	
		11	15	25	GV2L22	

### 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	18.5	30...40 A	GV3L40	10470
	22	37...50 A	GV3L50	10700
	30	48...65 A	GV3L65	11060

\* 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 [₹]
	kW	hP			

### 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 [₹]
	kW	hP			
36 kA	45	-	60 - 100	GV7RE100	22850
	75	-	90 - 150	GV7RE150	31370
35 kA	110	-	132 - 220	GV7RE220	38560
	18.5	25 - 40	60 - 100	GV7RS40	24720
70 kA	22	30 - 50	60 - 100	GV7RS50	24720
	37	48 - 80	60 - 100	GV7RS80 ✓	26450
	45	60 - 100	60 - 100	GV7RS100	26450
	75	90 - 150	60 - 100	GV7RS150	35545
	110	132 - 220	60 - 100	GV7RS220	43585

\* Conforming to IEC 60947-2 for Type 2 coordination

\*\* 50/60Hz - 415 V.

### Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]	
<b>For GV2</b>			
Front contact NO or NC <sup>(1)</sup>	GVAE1	680	
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	835	
	GVAE20	915	
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	1010	
	GVAN20		
Fault signalling contact +1 NO contact <sup>(2)</sup>	GVAD1010 <input checked="" type="checkbox"/>	1305	
Fault signalling contact +1 NC contact <sup>(2)</sup>	GVAD1001		
Short circuit signalling contact block 1 C/O	GVAM11	1250	
Undervoltage trip :	110 ... 115V 50Hz	GVAU115	2405
	220 ... 240V 50Hz	GVAU225	
	380 ... 400V 50Hz	GVAU385	
Shunt trip :	110 ... 115V 50Hz	GVAS115	2405
	220 ... 240V 50Hz	GVAS225	
	380 ... 400V 50Hz	GVAS385	
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3	3880	
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	465	
Connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K	GV2AF01	495	
Empty enclosure for GV2ME - plastic	GV2MP02	1735	
	GV2MC02	1905	

(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 [₹]
<b>For GV2 Breakers</b>			
45 mm	2	GV2G245	1020
	4	GV2G445	1610
54 mm	2	GV2G254	1195
	3	GV2G354	1355
	4	GV2G454	1700
72 mm	5	GV2G554	1835
	2	GV2G272	1440
	4	GV2G472	2065

Description	Reference	Unit LP [₹]
<b>Accessories for Busbars</b>		
Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	2595
Protective end covers for unused busbar outlets	GV1G10	450
Terminal block for connection from top	GV1G09	1365

### Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
<b>For GV3-M</b>		
Auxiliary contact - 1 NO + 1 NC early-break	GV3A01	1100
Auxiliary contact - 2 NO early-break	GV3A02	
Under voltage release - 110 V AC 50Hz	GV3B11	3630
Under voltage release - 220 V AC 50Hz	GV3B22	
Under voltage release - 380 V AC 50Hz	GV3B38	
Shunt release - 110 V AC 50Hz	GV3D11	
Shunt release - 220 V AC 50Hz	GV3D22	
Shunt release - 380 V AC 50Hz	GV3D38	

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. December 29, 2016

### Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
<b>For GV2-P/GV2-L</b>		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	2410
External operator - IP54, Yellow/Red	GV2APN02	4450
Visible isolation block - for motor circuit breaker GV2	GV2AK00	2020
<b>For GV3P/GV3L</b>		
<b>Auxiliary Contacts</b>		
Front contact: 1 NO (fault) + 1 NC (Auxiliary)	GVAED011	865
Front contact: 1 NO (fault) + 1 NO (Auxiliary)	GVAED101	955
<b>Busbar</b>		
3-pole, 3 tap, 64 mm pitch	GV3G364	970
S-shape bus bar	GV3S	730
<b>External Operator</b>		
IP54, Black	GV3APN01	2875
IP54, Yellow/Red	GV3APN02	2770

Note: All other accessories are same as of GV2

Description	Operating Voltage	Reference	Unit LP [₹]
<b>For GV7</b>			
Accessory for direct rotary handle mount on door <sup>(2)</sup>	-	GV7AP05	1590
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	1550
Clip-on connector - upto 150 A - 1.5..95 mm <sup>2</sup>	-	GV7AC021	630
Clip-on connector- upto 220 A - 1.5..185 mm <sup>2</sup>	-	GV7AC022	600
Fault discrimination Device	24...72V DC/ 24...48V AC	GV7AD111	4575
	110 ... 240V AC/ DC	GV7AD112	4575
Front rotary handle	-	GV7AP03	2685
GV7AP GV7R - black handle <sup>(2)</sup>	-	GV7AP01	4685
Padlocking device - 1..3 padlocks Ø 5..8mm shank <sup>(3)</sup>	-	GV7V01	735
Phase barriers	-	GV7AC04	810
Terminal shields IP405 <sup>(1)</sup>	-	GV7AC01	1650

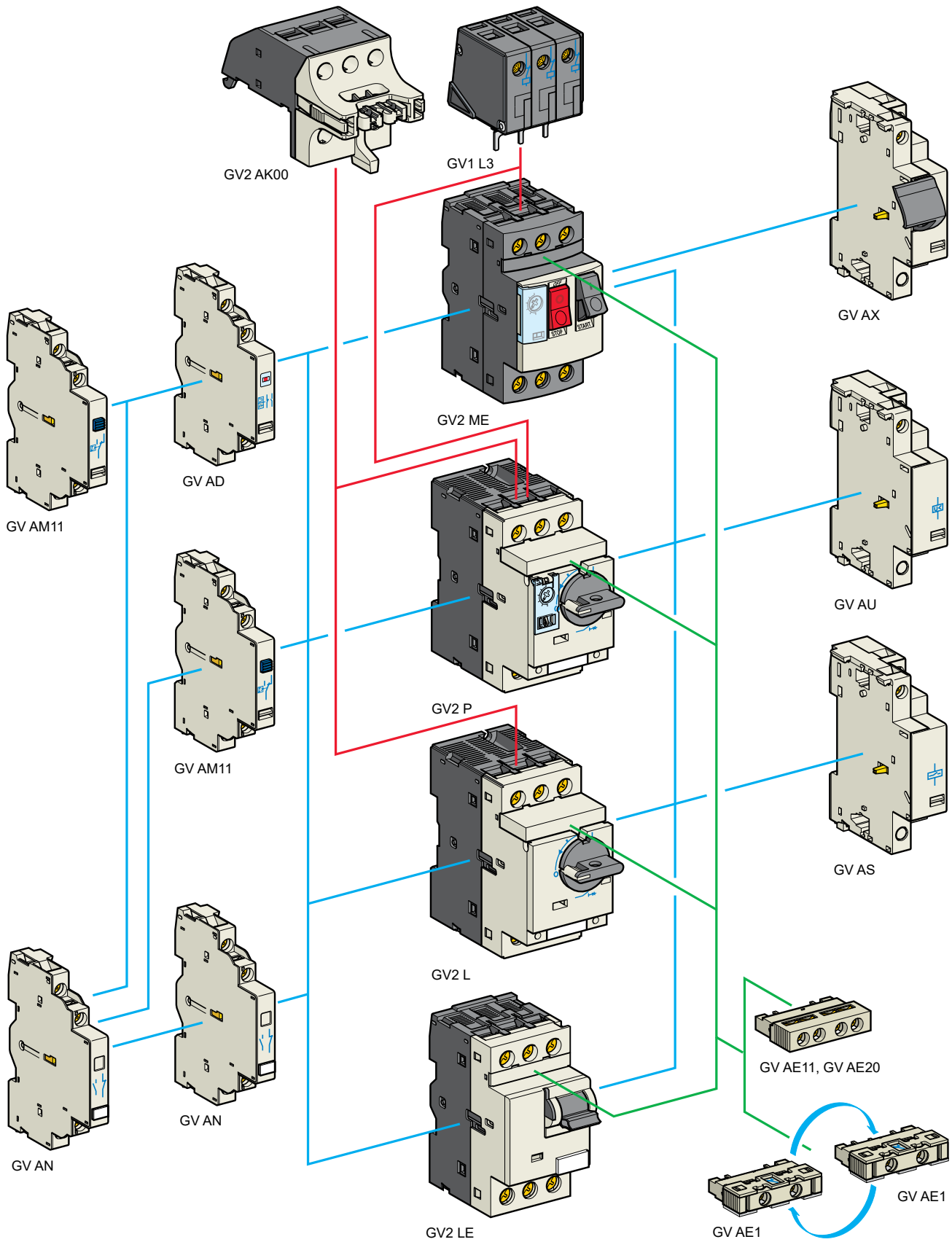
<b>For GV7</b>			
Shunt release	110...130 V AC 50/60 Hz	GV7AS107	3555
	200...240 V AC 50/60 Hz	GV7AS207	
	380...440 V AC 50/60 Hz	GV7AS387	3425
Under Voltage release	110...130 V AC 50/60 Hz	GV7AU107	3670
	200...240 V AC 50/60 Hz	GV7AU207	
	380...440 V AC 50/60 Hz	GV7AU387	
3-pole spreader - for Motor circuit breaker GV7 45 mm pitch	-	GV7AC03	1060

(1) Terminal shields cannot be used together with spreaders.

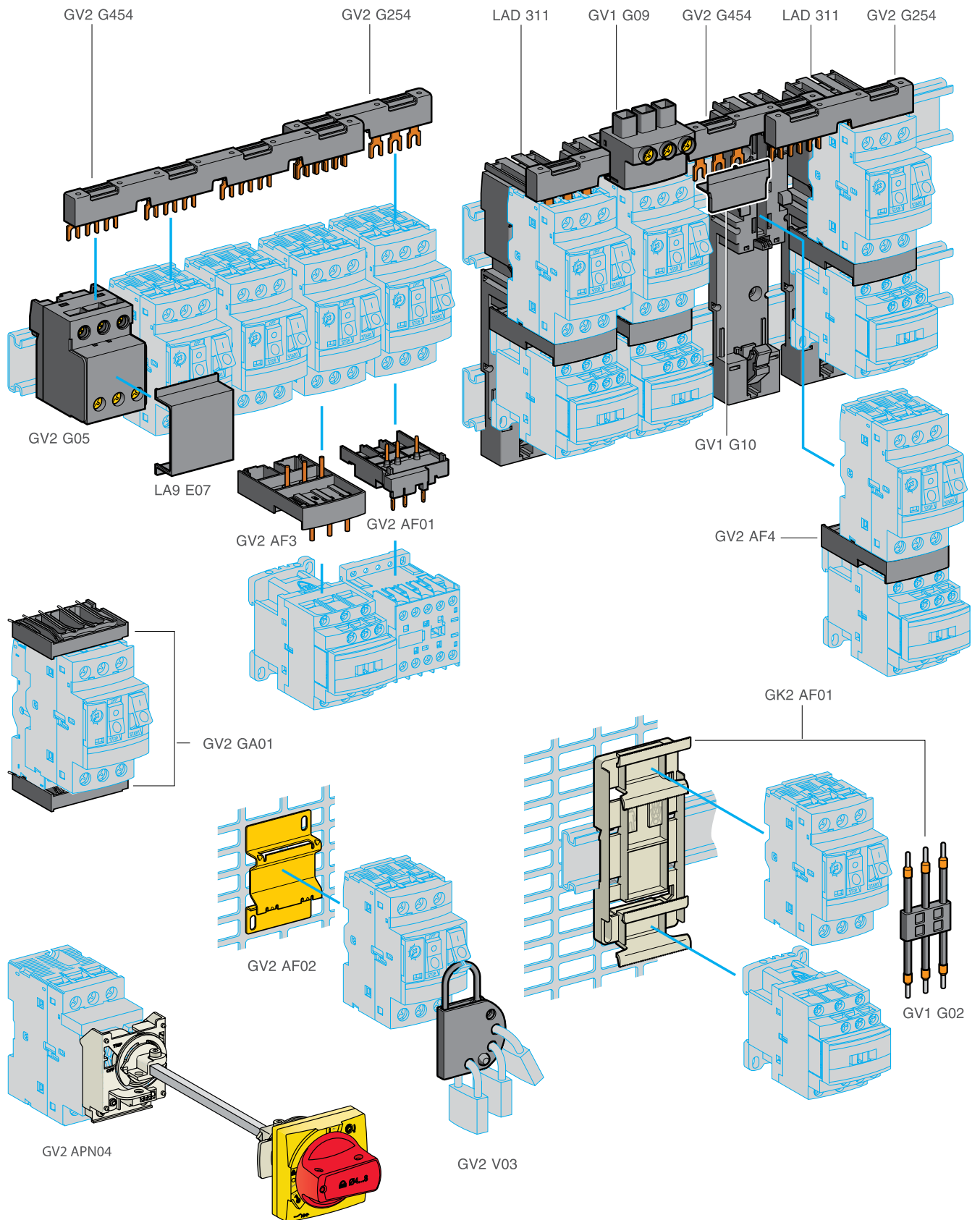
(2) For mounting direct rotary handle on enclosure door.

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.

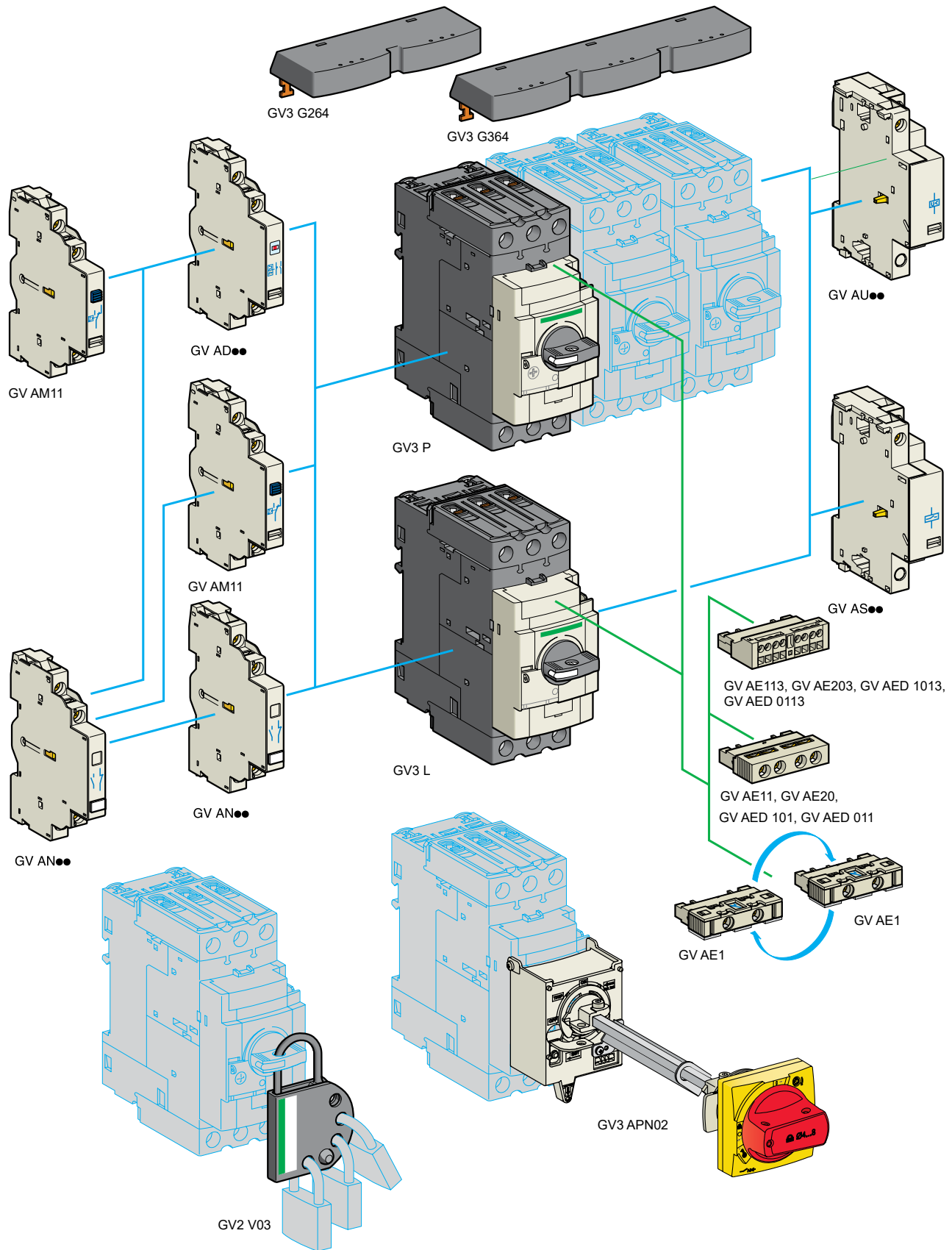
(3) For Circuit breaker not fitted with a rotary handle



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Vario Switch Disconnectors

[Ith] Conventional Thermal Current**	Poles Description	Rated Operational Power (AC 23)*	Reference	Unit LP [₹]
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Complete Enclosed Switches

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

10 A	3P	4 kW	VCF02GE	2365
16 A	3P	5.5 kW	VCF01GE	2575
20 A	3P	7.5 kW	VCF0GE	3130
25 A	3P	11 kW	VCF1GE	3365
32 A	3P	15 kW	VCF2GE	3940
50 A	3P	22 kW	VCF3GE	6100
63 A	3P	30 kW	VCF4GE	7140

\* Rated Power at 415 V

\*\* Ith in enclosure

For Switch Type (Amps)	Mounting Arrangement	Ingress	Reference	Unit LP [₹]
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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	2235

Vario Switch Disconnectors

[Ith] Conventional Thermal Current	Poles Description	Reference	Unit LP [₹]
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Complete Switch with Padlockable Operator

• Suitable for Front Mounting or Base Mounting

12 A	3P	VCF02	1485
20 A	3P	VCF01	1615
25 A	3P	VCF0	1890
32 A	3P	VCF1	1975
40 A	3P	VCF2	2455
63 A	3P	VCF3	3850
80 A	3P	VCF4	4160
125 A	3P	VCF5	9555
175 A	3P	VCF6	11590

Switch Bodies

12 A	V02	960
20 A	V01	1115
25 A	V0	1335
32 A	V1	1610
40 A	V2	1975
63 A	V3	2765
80 A	V4	3630
125 A	V5	7370
175 A	V6	9400

Accessories

Description	For Use with Switch Bodies	Rating Pole	Pole Composition	Earth Contact	Auxiliary Contacts	Reference	Unit LP [₹]
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Vario Add-on Modules <sup>(1)</sup>

Main Pole Module	V02/VCF02	12 A	1P	-	-	VZ02	685
	V01/VCF01	20 A	1P	-	-	VZ01	705
	V0/VCF0	25 A	1P	-	-	VZ0	740
	V1/VCF1	32 A	1P	-	-	VZ1	730
	V2/VCF2	40 A	1P	-	-	VZ2	785
	V3/VCF3	63 A	1P	-	-	VZ3	1015
	V4/VCF4	80 A	1P	-	-	VZ4	1015
Neutral Pole Module <sup>(2)</sup>	V02 / VCF02 to V2 / VCF2	-	1N	-	-	VZ11	840
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	VZ12	1125
	V5 / VCZ5 to V6 / VCZ6	-	1N	-	-	VZ13	2330
Earthing Module	V02 / VCF02 to V2 / VCF20	-	-	-	-	VZ14	820
	V3 / VCF3 to V4 / VCF4	-	-	1	-	VZ15	970
	V5 / VCZ5 to V6 / VCZ6	-	-	1	-	VZ16	1525
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 [₹]
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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	1120
Door interlock plate	VZ17 / VZ30	KZ32	205
		KZ74	370

Input Terminal Protection Shrouds

Terminal Shrouds	V02 - V2	VZ8	270
		VZ26	230
Terminal Shrouds	V3 - V4	VZ9	290
		VZ27	230
	V5 - V6	VZ10	370
		VZ28	410
	V02 - V6	VZ29	270

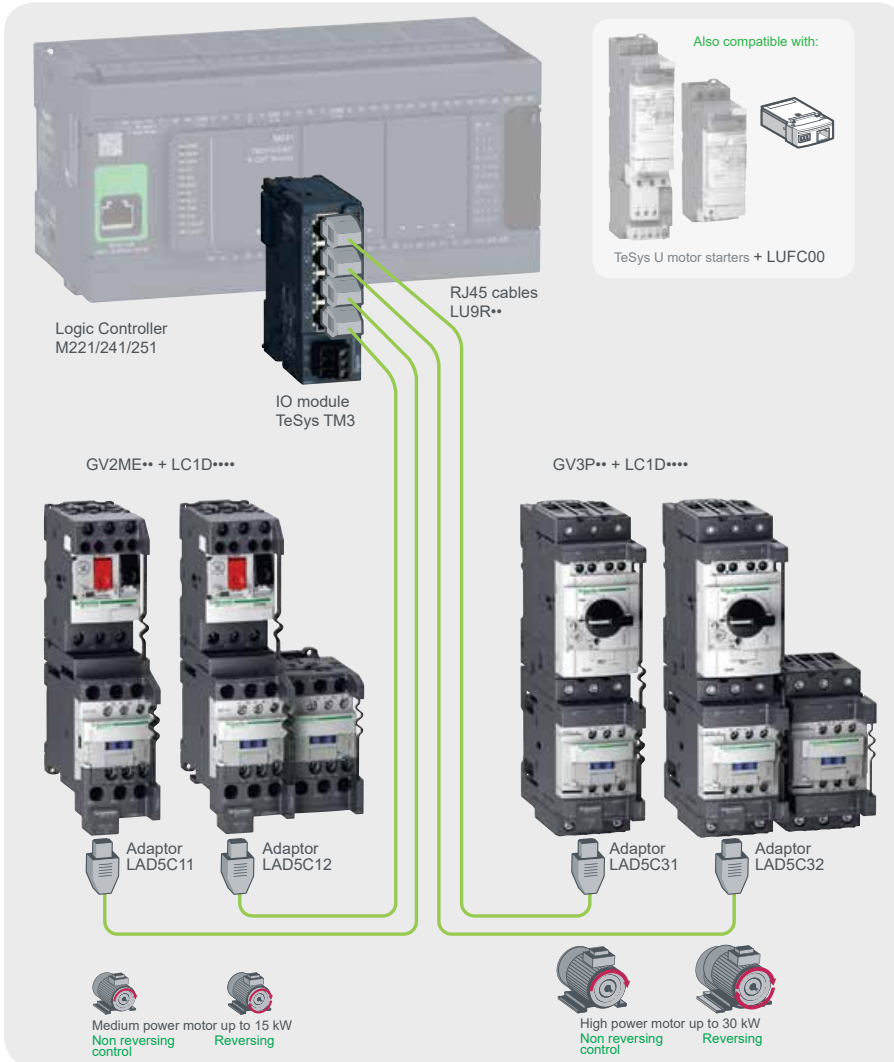
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NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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
<b>1</b> 1	Motor Circuit Breaker	GV2ME** OR GV2P**
<b>2</b> 2	Contactor 24V DC	LC1D**B* or LC2D**B*
<b>3</b> 3	Combination Block	GV2AF3
<b>4</b> 4	Auxiliary Contact	GVAE20
<b>5</b> 5	Connection Module	LAD5C11(DOL), LAD5C12(RDOL) LAD5C31(DOL), LAD5C32(RDOL)
Connection Cable		
<b>6</b> 6	Connection Cable**	LU9R**
IO Module		
<b>7</b> 7	IO Module	TM3XTYS4

**Note:**

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

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

# Switching and Controlling is now SMART with TeSys Intelligence



Tesys U



Tesys T



Ethernet  
Ready  
Intelligent  
Motor  
Control



Your requirements



TeSys Intelligence

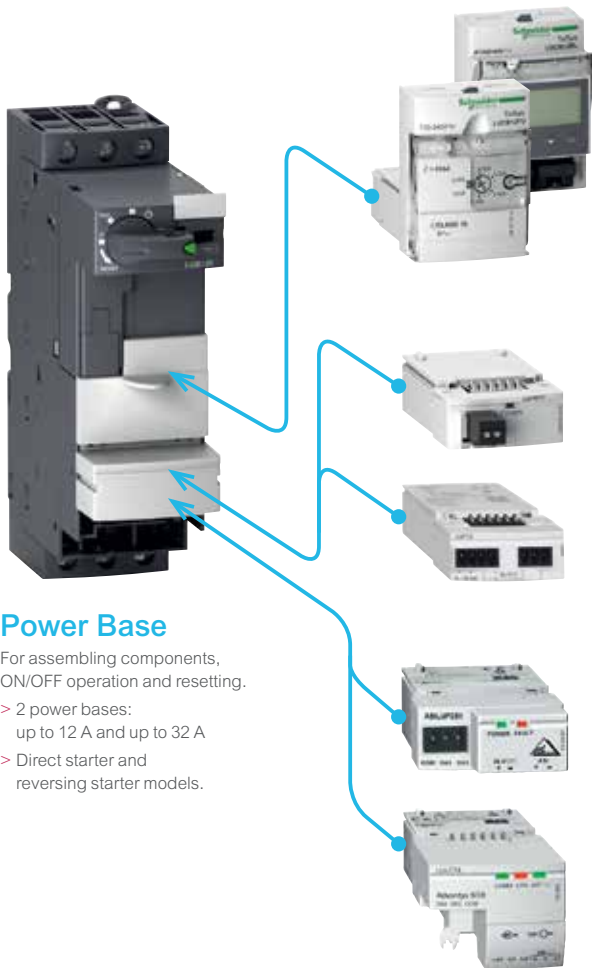


**100%  
reliable**

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.

If you look for more advanced functions

# Let the TeSys U build the solution for you!



## 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 enclosures by up to 40%”

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

# Introducing Modbus TCP and EtherNet/IP for reliable control

TeSys T now combines industry-standard Modbus TCP and EtherNet/IP protocols into one package.



## 90+ years

TeSys T solutions are built on decades of proven leadership in motor management technology.

TeSys T with Modbus/TCP and EtherNet/IP brings responsive control and improved data integrity to any environment

## New connectivity options bring new advantages

Ethernet is the perfect choice for fast and failure-resistant connectivity in industrial control networks. EtherNet/IP enables easier integration of a motor management system with PLCs and controllers, supporting your energy efficiency and production optimisation strategy.

## TeSys T with Modbus TCP and EtherNet/IP gives you:

- > **Fast integration:** Significantly reduced configuration and testing time due to standard device profiles, preconfigured connections, and more
- > **Real-time exchange:** Enhanced bandwidth, Quality-of-Service message priority, and built-in web pages support data access, control, and other functions
- > **Superior reliability:** Rapid Spanning Tree Protocol (RSTP) for fast failure recovery, broadcast storm protection to prevent oversaturation of available network bandwidth
- > **Dual Ethernet ports:** Fast 100 Mbps peer-to-peer communication, simple daisy-chain connections, and support for redundant architectures
- > **Other Ethernet services:** Webpage (Java-free), Broadcast Storm Protection, Discovery, FDR, other

## TeSys T Motor Management System - Controllers



- 0.4-810 Amps with inbuilt CTs up to 100 A
- 24V DC and 110 VAC Control Voltages available
- Base Module includes current measurement, ground fault, with 6 DI and 4 DO
- Expansion module includes voltage measurement and 4 DI
- Integrated Protection and Measurement functions
- Communication : Ethernet IP/Modbus TCP IP, Modbus/Profibus/CanOpen/DeviceNet
- Self Powered HMI with Fast Device Replacement

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

**Note:** Above 100 Amps external CT required.

Voltage Expansion Module (4 DI)	LTMEV40*	On Request
HMI Display Module	LTMCUF	On Request

\* Reference to be completed by adding coil voltage code

### \*\* Coil Voltage Code

VOLTAGE	
24 DC	BD
110 VAC	FM

## TeSys U Starter-Controllers



- Total coordinated starter solution with 3 functions in 1 device
- Compact size for DOL/RDOL starter up to 15 kW, 32A (AC-3)
- Direct Connectivity to Modbus/Profibus/CanOpen/DeviceNet
- Complete current-based Protection and Measurement in 1 device
- High Operational Temperature (-40°C to +60°C)
- Wide range of Coil Voltages
- 50kA Breaking capacity, can be increased upto 130kA with current limiter

Description	Rating at 440 V kW	Reference	Unit LP [₹]
<b>Power Bases for Non-Reversing D.O.L. Starter</b>			
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 [₹]
<b>Control Units</b>					
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

### \*\* Coil Voltage Code

VOLTAGE	24	48...72	100...240
DC	BL <sup>(1) (2)</sup>	-	-
AC	B	-	-
AC/DC	-	ES <sup>(3)</sup>	FU <sup>(4)</sup>

(1) Voltage code to be used for a starter-controller with communication module.

(2) DC voltage with maximum ripple of  $\pm 10\%$ .

(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

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W.E.F. December 29, 2016

# 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

### 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



### Safety version

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

#### Standard Starter Tesys H

Motor Power @ 415VAC	Current range	Screw terminals	Unit LP [₹]	Spring terminals	Unit LP [₹]
			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 Starter TeSys H

Motor Power @ 415VAC	Current range	Screw terminals	Unit LP	Spring terminals	Unit LP [₹]
			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





## TeSys selection tools

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

### Motor Starter Selection Guide App

- It includes the most common solutions of enclosed motor starters
- Motor rated power up to 30 kW

App for iPad



### TeSys Enclosed Motor Starter Solution Guide

- Quick selection of TeSys motor starter most common combinations
- Motor rated power up to 75 kW

App for iPad and iPhone



App for Smartphone and tablet



### Low Voltage Motor Starter Solution Guide

- Define your motor starter solution among the complete TeSys offer
- Motor rated power up to 710 kW

App for iPad



[www.schneider-electric.com/tesys](http://www.schneider-electric.com/tesys)



## ABL2 - With CE Marking only

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP ₹
180 - 264 VAC	24 V	1.5 A	35 W	ABL2REM24015H	1700
	24 V	2.2 A	50 W	ABL2REM24020H ✓	1854
	24 V	4.2 A	100 W	ABL2REM24045H ✓	3090
	24 V	6.5 A	150 W	ABL2REM24065H ✓	3914
	24 V	8.3 A	200 W	ABL2REM24085H	4944
	24 V	10.5 A	250 W	ABL2REM24100H ✓	5974
	24 V	14.6 A	350 W	ABL2REM24150H ✓	9888

## ABL1 - Dedicated Range

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP ₹
<b>Without Anti-Harmonic Filter</b>					
100...240 V AC	12 V DC	5 A	60 W	ABL1REM12050	3399
	24 V DC	2.5 A	60 W	ABL1REM24025 ✓	3183
		4.2 A	100 W	ABL1REM24042 ✓	4316
100...120 V AC	24 V DC	6.2 A	150 W	ABL1REM24062 ✓	5088
		10 A	240 W	ABL1REM24100 ✓	8436
<b>With Anti-Harmonic Filter</b>					
100...240 V AC	12 V DC	8.3 A	100 W	ABL1RPM12083	4996
	24 V DC	4.2 A	100 W	ABL1RPM24042 ✓	5088
100...120 V AC	24 V DC	6.2 A	150 W	ABL1RPM24062 ✓	6582
		10 A	240 W	ABL1RPM24100 ✓	9867

## ABL8 Ranges

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP ₹
<b>Modular Range (without PFC, Automatic Reset)</b>					
100...240 V AC	5 V DC	4 A	20 W	ABL8MEM05040	6468
	12 V DC	2 A	25 W	ABL8MEM12020	5727
<b>Optimum Range (without PFC, Automatic or Manual Reset)</b>					
100...240 V AC	24 V	3 A	72 W	ABL8REM24030	7426
	24 V	5 A	120 W	ABL8REM24050 ✓	11145
<b>Universal Range (with PFC, Boost function, Diagnosis Contact, Automatic or Manual Reset)</b>					
100...120 V single phase 200...500 V 2 phase	24 V	3 A	72 W	ABL8RPS24030	9764
	24 V	5 A	120 W	ABL8RPS24050	12834
		10 A	240 W	ABL8RPS24100	15914
100...120 V single phase 200...240 V	24 V	20 A	480 W	ABL8RPM24200 ✓	20693
		20 A	480 W	ABL8WPS24200	22588
380...500 V three phase	24 V	40 A	960 W	ABL8WPS24400	37132

## Accessories


Description	Reference	Unit MRP ₹
<b>ABL 1</b>		
Reversible mounting bracket - for regulated switch mode	ABL1A01	371
Mounting plate for 35 mm rail - for regulated switch mode	ABL1A02	371
Note: To be ordered in lot of 5.		
<b>ABL 8 - Universal Range Accessories</b>		
Battery Back-up module 20A	ABL8BBU24200	19096
Battery Back-up module 40A	ABL8BBU24400	25585
Battery pack 7 Ah	ABL8BPK24A07	13627
Buffer module 40A	ABL8BUF24400	18200
Protection module with two pole breaking	ABL8PRP24100	15914
Redundancy Module	ABL8RED24400	12092
Protection module with single pole breaking	ABL8PRE24100	11031

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

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W.E.F. December 29, 2016


## ABT7 - Economy Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP 
<b>Single phase 230V 40VA - 400VA 40° C</b>				
230 V AC single phase ±15 V	24 V AC	40	ABT7ESM004B	6017
230 V AC single phase ±15 V	24 V AC	63	ABT7ESM006B	4599
230 V AC single phase ±15 V	24 V AC	100	ABT7ESM010B	5072
230 V AC single phase ±15 V	24 V AC	160	ABT7ESM016B	6489
230 V AC single phase ±15 V	24 V AC	250	ABT7ESM025B	8379
230 V AC single phase ±15 V	24 V AC	320	ABT7ESM032B	10385
230 V AC single phase ±15 V	24 V AC	400	ABT7ESM040B	10731

## ABL6 - Optimum Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP 
<b>Single phase 230/400V 25VA - 2500VA 50° C</b>				
230/400 V single phase ±15 V	24 V AC	25	ABL6TS02B	5849
230/400 V single phase ±15 V	24 V AC	40	ABL6TS04B	6017
230/400 V single phase ±15 V	24 V AC	63	ABL6TS06B	6132
230/400 V single phase ±15 V	24 V AC	100	ABL6TS10B	6825
230/400 V single phase ±15 V	24 V AC	160	ABL6TS16B	7760
230/400 V single phase ±15 V	24 V AC	250	ABL6TS25B	9377
230/400 V single phase ±15 V	24 V AC	400	ABL6TS40B	15047
230/400 V single phase ±15 V	24 V AC	630	ABL6TS63B	19887
230/400 V single phase ±15 V	24 V AC	1000	ABL6TS100B	26555
230/400 V single phase ±15 V	24 V AC	1600	ABL6TS160B	53949
230/400 V single phase ±15 V	24 V AC	2500	ABL6TS250B	84735
230/400 V single phase ±15 V	115 V AC	25	ABL6TS02G	5849
230/400 V single phase ±15 V	115 V AC	40	ABL6TS04G	6017
230/400 V single phase ±15 V	115 V AC	63	ABL6TS06G	6132
230/400 V single phase ±15 V	115 V AC	100	ABL6TS10G	6479
230/400 V single phase ±15 V	115 V AC	160	ABL6TS16G	8001
230/400 V single phase ±15 V	115 V AC	250	ABL6TS25G	9377
230/400 V single phase ±15 V	115 V AC	400	ABL6TS40G	15047
230/400 V single phase ±15 V	115 V AC	630	ABL6TS63G	20664
230/400 V single phase ±15 V	115 V AC	1000	ABL6TS100G	25358
230/400 V single phase ±15 V	115 V AC	1600	ABL6TS160G	38808
230/400 V single phase ±15 V	115 V AC	2500	ABL6TS250G	65688
230/400 V single phase ±15 V	230 V AC	25	ABL6TS02U	5849
230/400 V single phase ±15 V	230 V AC	40	ABL6TS04U	6017
230/400 V single phase ±15 V	230 V AC	63	ABL6TS06U	6132
230/400 V single phase ±15 V	230 V AC	100	ABL6TS10U	6479
230/400 V single phase ±15 V	230 V AC	160	ABL6TS16U	7644
230/400 V single phase ±15 V	230 V AC	250	ABL6TS25U	9377
230/400 V single phase ±15 V	230 V AC	400	ABL6TS40U	15047
230/400 V single phase ±15 V	230 V AC	630	ABL6TS63U	18869
230/400 V single phase ±15 V	230 V AC	1000	ABL6TS100U 	25358
230/400 V single phase ±15 V	230 V AC	1600	ABL6TS160U	38294
230/400 V single phase ±15 V	230 V AC	2500	ABL6TS250U	63137

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

 NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## ABT7 - Universal Range (Double Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP ₹]
<b>Single phase 230/400V 25VA - 2500VA 60° C</b>				
230/400 V single phase ±15 V	24/48 V AC	40	ABT7PDU004B	6479
230/400 V single phase ±15 V	24/48 V AC	63	ABT7PDU006B	6825
230/400 V single phase ±15 V	24/48 V AC	250	ABT7PDU025B	12170
230/400 V single phase ±15 V	24/48 V AC	400	ABT7PDU040B	14427
230/400 V single phase ±15 V	24/48 V AC	630	ABT7PDU063B	22229
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002G	6248
230/400 V single phase ±15 V	115/230 V AC	40	ABT7PDU004G	6479
230/400 V single phase ±15 V	115/230 V AC	63	ABT7PDU006G	6825
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010G	7644
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016G	9030
230/400 V single phase ±15 V	115/230 V AC	250	ABT7PDU025G	11645
230/400 V single phase ±15 V	115/230 V AC	400	ABT7PDU040G	13776
230/400 V single phase ±15 V	115/230 V AC	630	ABT7PDU063G	22229
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100G	26513
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160G	43869
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250G	64712
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002B	7875
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010B	7644
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016B	10532
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100B	29033
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160B	48048
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250B	70875

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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 [1]
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"/>	9580
		4 kW	Adjustable from 1 to 10 s	9 A	ATS01N209QN <input checked="" type="checkbox"/>	11087
		5.5 kW	Adjustable from 1 to 10 s	12 A	ATS01N212QN <input checked="" type="checkbox"/>	13993
		7.5 kW/11 kW	Adjustable from 1 to 10 s	22 A	ATS01N222QN <input checked="" type="checkbox"/>	17761
		15 kW	Adjustable from 1 to 10 s	32 A	ATS01N232QN <input checked="" type="checkbox"/>	25403

**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 [1]
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	50022
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	51468
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"/>	57132
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	62795
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	68583
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	79150
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	89621
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"/>	102813
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"/>	103029
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"/>	115349
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"/>	153395
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"/>	162455
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"/>	174153
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"/>	188180
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"/>	270085
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"/>	309531
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	316643
660 A for severe applications 590 A for standard applications	355 kW 400 V for standard applications 315 kW 400 V for severe applications	ATS48C66Q	428119
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"/>	577053
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	682831
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	755465

**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


NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## ATS22 Soft Start - Soft Stop Unit

Rated Current		Motor Power kW		Reference	Unit LP 
17 A for Motor Power Supply Line Motor Delta Connection	17 A for	7.5 kW 400 V for Motor Power Supply Line for Motor Delta Connection	11 kW 400 V	ATS22D17Q	48,379
32 A for Motor Power Supply Line Motor Delta Connection	32 A for	15 kW 400 V for Motor Power Supply Line for Motor Delta Connection	22 kW 400 V	ATS22D32Q	51,141
47 A for Motor Power Supply Line Motor Delta Connection	47 A for	22 kW 400 V for Motor Power Supply Line for Motor Delta Connection	45 kW 400 V	ATS22D47Q	58,701
62 A for Motor Power Supply Line Motor Delta Connection	62 A for	30 kW 400 V for Motor Power Supply Line for Motor Delta Connection	55 kW 400 V	ATS22D62Q	68,484
75 A for Motor Power Supply Line Motor Delta Connection	75 A for	37 kW 400 V for Motor Power Supply Line for Motor Delta Connection	55 kW 400 V	ATS22D75Q	78,268
88 A for Motor Power Supply Line Motor Delta Connection	88 A for	45 kW 400 V for Motor Power Supply Line for Motor Delta Connection	75 kW 400 V	ATS22D88Q	88,906
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	94,099
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	ATS22C14Q	100,769
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	ATS22C17Q	134,034
210 A for Motor Power Supply Line for Motor Delta Connection	210 A	110 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	160 kW 400	ATS22C21Q	180,935
250 A for Motor Power Supply Line for Motor Delta Connection	250 A	132 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	220 kW 400	ATS22C25Q	184,490
320 A for Motor Power Supply Line for Motor Delta Connection	320 A	160 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	250 kW 400	ATS22C32Q	211,672
410 A for Motor Power Supply Line for Motor Delta Connection	410 A	220 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	315 kW 400	ATS22C41Q	219,397
480 A for Motor Power Supply Line for Motor Delta Connection	480 A	250 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	355 kW 400	ATS22C48Q	275,788
590 A for Motor Power Supply Line for Motor Delta Connection	590 A	315 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	400 kW 400	ATS22C59Q	332,614

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

 NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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	ATV12H018F1	9696
0.18	0.25	1.4	ATV12H018M2	10168
0.37	0.55	2.4	ATV12H037M2	12309
0.55	0.75	3.5	ATV12H055M2	12924
0.75	1	4.2	ATV12H075M2	14216
1.5	2	7.5	ATV12HU15M2	18093
1.5	2	7.5	ATV12HU15M3	21787
2.2	3	10	ATV12HU22M2	24861



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	23571
0.75	1	2.3	ATV310H075N4E	26275
1.5	2	4.1	ATV310HU15N4E	28848
2.2	3	5.5	ATV310HU22N4E	34559
3	4	7.1	ATV310HU30N4E	41974
4	5	9.5	ATV310HU40N4E	41994
5.5	7.5	12.6	ATV310HU55N4E	52803
7.5	10	17	ATV310HU75N4E	62959
11	15	24	ATV310HD11N4E	86437

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Zelio Logic



Zelio 2 compact smart relay with display



Zelio 2 compact smart relay without display



Zelio 2 modular smart relay with display

## Relays

Description	Reference	Unit MRP
<b>Voltage 24V DC</b>		
Zelio Logic module - 10 I O, RLY - w/o clock - with display	SR2A101BD <input checked="" type="checkbox"/>	11141
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201BD <input checked="" type="checkbox"/>	18281
Zelio Logic module - 12 I O, TRN - with clock - with display	SR2B121BD <input checked="" type="checkbox"/>	10164
Zelio Logic module - 12 I O, TRN - with clock - with display	SR2B122BD	15467
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201BD <input checked="" type="checkbox"/>	19793
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B202BD	21095
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101BD <input checked="" type="checkbox"/>	6710
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201BD <input checked="" type="checkbox"/>	16548
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121BD	10490
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201BD	19362
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101BD	12117
Zelio Logic module - 10 I O, TRN - with clock - with display	SR3B102BD	11361
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261BD <input checked="" type="checkbox"/>	25631
Zelio Logic module - 26 I O, TRN - with clock - with display	SR3B262BD	24980
<b>Voltage 100-240V AC</b>		
Zelio Logic module - 10 I O, RLY - w/o clock - with display	SR2A101FU <input checked="" type="checkbox"/>	12653
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201FU <input checked="" type="checkbox"/>	18932
Zelio Logic module - 12 I O, RLY - with clock - with display	SR2B121FU <input checked="" type="checkbox"/>	12653
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201FU <input checked="" type="checkbox"/>	20979
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101FU	9083
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201FU	19037
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121FU	11361
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201FU	21410
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101FU	13839
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261FU <input checked="" type="checkbox"/>	26177
<b>Voltage 12V DC</b>		
Zelio Logic module - 12 I O - with clock - with display	SR2B121JD	13083
Zelio Logic module - 20 I O - with clock - with display	SR2B201JD	16653
<b>Voltage 24V AC</b>		
Zelio Logic module - 12 I O - with clock - with display	SR2B121B	13083
Zelio Logic module - 20 I O - with clock - with display	SR2B201B	24770
Zelio Logic module - 20 I O - with clock - w/o display	SR2E201B	19467
Zelio Logic module - 10 I O - with clock - with display	SR3B101B	13409
Zelio Logic module - 24 I O - with clock - with display	SR3B261B	27584

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016





I/O Extension module

## I/O Extension modules

Description	Reference	Unit MRP
Discrete I/O extension module - 6 I O 4DI, 2DO - 24 V DC	SR3XT61BD	5187
Discrete I/O extension module - 6 I O 4DI, 2DO	SR3XT61FU	5408
Discrete I/O extension module - 10 I O 6DI, 4DO - 24 V DC	SR3XT101BD <input checked="" type="checkbox"/>	5408
Discrete I/O extension module - 10 I O 6DI, 4DO	SR3XT101FU	6815
Discrete I/O extension module - 14 I O 8DI, 6DO - 24 V AC	SR3XT141B	9303
Discrete I/O extension module - 14 I O 8DI, 6DO - 24 V DC	SR3XT141BD <input checked="" type="checkbox"/>	7571
Discrete I/O extension module - 14 I O 8DI, 6DO	SR3XT141FU	7896
Analogue I/O extension module - 2 AI/ 2AO	SR3XT43BD	12222

## Accessories

Description	Reference	Unit MRP
SUB-D 9-pin PC connecting cable - 3 m	SR2CBL01 <input checked="" type="checkbox"/>	3465
SUB-D 9-pin modem connecting cable - 0.5 m	SR2CBL07 <input checked="" type="checkbox"/>	7791
Communication interface	SR2COM01	11246
Documentation - programming on the smart relay - EN	SR2MAN01EN	1838
Memory cartridge firmware - up to v 2.4 - EEPROM	SR2MEM01 <input checked="" type="checkbox"/>	1512
Memory cartridge firmware - for v 3.0 - EEPROM	SR2MEM02 <input checked="" type="checkbox"/>	1838
Modem interface - analog PSTN	SR2MOD01	49098
Modem interface - GSM	SR2MOD02	41643
Programming software "Zelio Soft 2" multilingual - CD-ROM	SR2SFT01	1838
USB PC connecting cable - 3 m	SR2USB01 <input checked="" type="checkbox"/>	9513

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

NORMAL STOCK ITEMS

WE.F. December 29, 2016



- 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 [R]
1CO 10A Relay +LTB-LED 24VAC	RXG11B7	538
1CO 10A Relay +LTB-LED 48VAC	RXG11E7	549
1CO 10A Relay +LTB-LED 120VAC	RXG11F7	549
1CO 10A Relay +LTB-LED 220VAC	RXG11M7	549
1CO 10A Relay +LTB-LED 230VAC	RXG11P7	538
1CO 10A Relay +LTB-LED 6VDC	RXG11RD	442
1CO 10A Relay +LTB-LED 12VDC	RXG11JD	442
1CO 10A Relay +LTB-LED 24VDC	RXG11BD	433
1CO 10A Relay +LTB-LED 48VDC	RXG11ED	442
1CO 10A Relay +LTB-LED 60VDC	RXG11ND	442
1CO 10A Relay +LTB-LED 110VDC	RXG11FD	442
1CO 10A Relay +LTB+LED 24VAC	RXG12B7	596
1CO 10A Relay +LTB+LED 48VAC	RXG12E7	596
1CO 10A Relay +LTB+LED 120VAC	RXG12F7	596
1CO 10A Relay +LTB+LED 220VAC	RXG12M7	596
1CO 10A Relay +LTB+LED 230VAC	RXG12P7	596
1CO 10A Relay +LTB+LED 6VDC	RXG12RD	487
1CO 10A Relay +LTB+LED 12VDC	RXG12JD	487
1CO 10A Relay +LTB+LED 24VDC	RXG12BD	487
1CO 10A Relay +LTB+LED 48VDC	RXG12ED	487
1CO 10A Relay +LTB+LED 60VDC	RXG12ND	487
1CO 10A Relay +LTB+LED 110VDC	RXG12FD	487
1CO 10A Relay-LTB+LED 24VAC	RXG13B7	572
1CO 10A Relay-LTB+LED 48VAC	RXG13E7	572
1CO 10A Relay-LTB+LED 120VAC	RXG13F7	572
1CO 10A Relay-LTB+LED 220VAC	RXG13M7	572
1CO 10A Relay-LTB+LED 230VAC	RXG13P7	572
1CO 10A Relay-LTB+LED 6VDC	RXG13RD	463
1CO 10A Relay-LTB+LED 12VDC	RXG13JD	463
1CO 10A Relay-LTB+LED 24VDC	RXG13BD	463
1CO 10A Relay-LTB+LED 48VDC	RXG13ED	463
1CO 10A Relay-LTB+LED 60VDC	RXG13ND	463
1CO 10A Relay-LTB+LED 110VDC	RXG13FD	463
1CO 10A Relay Clear 24VAC	RXG15B7	497
1CO 10A Relay Clear 48VAC	RXG15E7	497
1CO 10A Relay Clear 120VAC	RXG15F7	497
1CO 10A Relay Clear 220VAC	RXG15M7	497
1CO 10A Relay Clear 230VAC	RXG15P7	497
1CO 10A Relay Clear 6VDC	RXG15RD	387
1CO 10A Relay Clear 12VDC	RXG15JD	387
1CO 10A Relay Clear 24VDC	RXG15BD	387
1CO 10A Relay Clear 48VDC	RXG15ED	387
1CO 10A Relay Clear 60VDC	RXG15ND	387
1CO 10A Relay Clear 110VDC	RXG15FD	387
2CO 5A Relay +LTB-LED 24VAC	RXG21B7	590
2CO 5A Relay +LTB-LED 48VAC	RXG21E7	602
2CO 5A Relay +LTB-LED 120VAC	RXG21F7	602
2CO 5A Relay +LTB-LED 220VAC	RXG21M7	602

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



- 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 <span style="font-size: small;">[R]</span>
2CO 5A Relay +LTB-LED 230VAC	RXG21P7	590
2CO 5A Relay +LTB-LED 6VDC	RXG21RD	495
2CO 5A Relay +LTB-LED 12VDC	RXG21JD	495
2CO 5A Relay +LTB-LED 24VDC	RXG21BD	486
2CO 5A Relay +LTB-LED 48VDC	RXG21ED	495
2CO 5A Relay +LTB-LED 60VDC	RXG21ND	495
2CO 5A Relay +LTB-LED 110VDC	RXG21FD	495
2CO 5A Relay +LTB+LED 24VAC	RXG22B7	650
2CO 5A Relay +LTB+LED 48VAC	RXG22E7	650
2CO 5A Relay +LTB+LED 120VAC	RXG22F7	650
2CO 5A Relay +LTB+LED 220VAC	RXG22M7	650
2CO 5A Relay +LTB+LED 230VAC	RXG22P7	650
2CO 5A Relay +LTB+LED 6VDC	RXG22RD	541
2CO 5A Relay +LTB+LED 12VDC	RXG22JD	541
2CO 5A Relay +LTB+LED 24VDC	RXG22BD	541
2CO 5A Relay +LTB+LED 48VDC	RXG22ED	541
2CO 5A Relay +LTB+LED 60VDC	RXG22ND	541
2CO 5A Relay +LTB+LED 110VDC	RXG22FD	541
2CO 5A Relay-LTB+LED 24VAC	RXG23B7	626
2CO 5A Relay-LTB+LED 48VAC	RXG23E7	626
2CO 5A Relay-LTB+LED 120VAC	RXG23F7	626
2CO 5A Relay-LTB+LED 220VAC	RXG23M7	626
2CO 5A Relay-LTB+LED 230VAC	RXG23P7	626
2CO 5A Relay-LTB+LED 6VDC	RXG23RD	517
2CO 5A Relay-LTB+LED 12VDC	RXG23JD	517
2CO 5A Relay-LTB+LED 24VDC	RXG23BD	517
2CO 5A Relay-LTB+LED 48VDC	RXG23ED	517
2CO 5A Relay-LTB+LED 60VDC	RXG23ND	517
2CO 5A Relay-LTB+LED 110VDC	RXG23FD	517
2CO 5A Relay Clear 24VAC	RXG25B7	549
2CO 5A Relay Clear 48VAC	RXG25E7	549
2CO 5A Relay Clear 120VAC	RXG25F7	549
2CO 5A Relay Clear 220VAC	RXG25M7	549
2CO 5A Relay Clear 230VAC	RXG25P7	549
2CO 5A Relay Clear 6VDC	RXG25RD	439
2CO 5A Relay Clear 12VDC	RXG25JD	439
2CO 5A Relay Clear 24VDC	RXG25BD	439
2CO 5A Relay Clear 48VDC	RXG25ED	439
2CO 5A Relay Clear 60VDC	RXG25ND	439
2CO 5A Relay Clear 110VDC	RXG25FD	439
<b>Accessories</b>		
1CO Separate terminal socket with clamp	RGZE1S35M	260
2CO Separate terminal socket with clamp	RGZE1S48M	289
Plastic maintaining clamp for RGZ socket	RGZR215	27

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

✔ NORMAL STOCK ITEMS

WE.F. December 29, 2016

## RXM Miniature Relays

Control Circuit Voltage	Reference	Unit LP [₹]
<b>Without Lockable Test Button without LED</b>		
<b>2 C/O - 5 AMPS</b>		
12 V DC	RXM2LB1JD	369
24 V DC	RXM2LB1BD	345
48 V DC	RXM2LB1ED	390
24 V AC	RXM2LB1B7	359
120 V AC	RXM2LB1F7	359
230 V AC	RXM2LB1P7	351
<b>4 C/O - 3 AMPS</b>		
12 V DC	RXM4LB1JD	435
24 V DC	RXM4LB1BD	398
48 V DC	RXM4LB1ED	448
24 V AC	RXM4LB1B7	435
120 V AC	RXM4LB1F7	448
230 V AC	RXM4LB1P7	398
<b>Without Lockable Test Button with LED</b>		
<b>2 C/O - 5 AMPS</b>		
12 V DC	RXM2LB2JD	398
24 V DC	RXM2LB2BD <input checked="" type="checkbox"/>	370
48 V DC	RXM2LB2ED	398
24 V AC	RXM2LB2B7	398
120 V AC	RXM2LB2F7	398
230 V AC	RXM2LB2P7 <input checked="" type="checkbox"/>	370
36 V DC	RXM2LB2CD	410
110 V DC	RXM2LB2FD	398
<b>4 C/O - 3 AMPS</b>		
12 V DC	RXM4LB2JD	448
24 V DC	RXM4LB2BD <input checked="" type="checkbox"/>	418
48 V DC	RXM4LB2ED	448
24 V AC	RXM4LB2B7	448
120 V AC	RXM4LB2F7	448
230 V AC	RXM4LB2P7 <input checked="" type="checkbox"/>	418
36 V DC	RXM4LB2CD	461
110 V DC	RXM4LB2FD	448

## Accessories


Description	Reference	Unit LP [₹]
<b>Sockets</b>		
Sockets - mixed-screw clamp - relay type RXM2 (without lockable test button)	RXZE1M2C <input checked="" type="checkbox"/>	169
Sockets - mixed-screw clamp - relay type RXM2/RXM4 (without lockable test button)	RXZE1M4C <input checked="" type="checkbox"/>	215

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


NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## RXM\*NB Miniature Relays

Control Circuit Voltage	Reference	Unit LP 
<b>Miniature Relays without Lockable Test-Button, with LED</b>		
<b>2 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM2NB3JD	429
24 V DC	RXM2NB3BD	388
110 V DC	RXM2NB3FD	388
220 V DC	RXM2NB3MD	510
24 V AC	RXM2NB3B7	429
120 V AC	RXM2NB3F7	429
230 V AC	RXM2NB3P7	388
<b>4 Change Over - 5 AMPS Contact Rating</b>		
12 V DC	RXM4NB3JD	480
24 V DC	RXM4NB3BD	449
110 V DC	RXM4NB3FD	480
220 V DC	RXM4NB3MD	561
24 V AC	RXM4NB3B7	480
120 V AC	RXM4NB3F7	480
230 V AC	RXM4NB3P7	449

## RXZ Miniature Relay Socket

Description	Reference	Unit LP 
<b>Accessories</b>		
<b>Sockets</b>		
socket for miniature relay - for RXM2N - with mixed contacts - screw clamp	RXZE2M2N	179
socket for miniature relay - for RXM4N - with mixed contacts - screw clamp	RXZE2M4N	204

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## RXM Miniature Relays

Control Circuit Voltage	Reference	Unit LP [₹]
<b>Without LED</b>		
<b>2 Change Over - 12 AMPS Contact Rating</b>		
12 V DC	RXM2AB1JD	505
24 V AC	RXM2AB1B7	505
24 V DC	RXM2AB1BD <input checked="" type="checkbox"/>	487
48 V AC	RXM2AB1E7	505
48 V DC	RXM2AB1ED	505
110 V DC	RXM2AB1FD	520
120 V AC	RXM2AB1F7 <input checked="" type="checkbox"/>	505
230 V AC	RXM2AB1P7 <input checked="" type="checkbox"/>	487
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB1JD	689
24 V AC	RXM3AB1B7	767
24 V DC	RXM3AB1BD	688
48 V AC	RXM3AB1E7	865
48 V DC	RXM3AB1ED	875
110 V DC	RXM3AB1FD	875
120 V AC	RXM3AB1F7	709
230 V AC	RXM3AB1P7	709
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB1JD	618
24 V AC	RXM4AB1B7	618
24 V DC	RXM4AB1BD <input checked="" type="checkbox"/>	618
48 V AC	RXM4AB1E7	636
48 V DC	RXM4AB1ED	687
110 V DC	RXM4AB1FD	687
120 V AC	RXM4AB1F7 <input checked="" type="checkbox"/>	618
220 V DC	RXM4AB1MD	687
230 V AC	RXM4AB1P7 <input checked="" type="checkbox"/>	618
240 V AC	RXM4AB1U7	618
With LED		
<b>2 Change Over - 12 AMPS Contact Rating</b>		
12 V DC	RXM2AB2JD	528
24 V AC	RXM2AB2B7	525
24 V DC	RXM2AB2BD <input checked="" type="checkbox"/>	505
48 V AC	RXM2AB2E7	528
48 V DC	RXM2AB2ED	528
110 V DC	RXM2AB2FD	528
120 V AC	RXM2AB2F7 <input checked="" type="checkbox"/>	528
230 V AC	RXM2AB2P7 <input checked="" type="checkbox"/>	505
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB2JD	679
24 V AC	RXM3AB2B7	705
24 V DC	RXM3AB2BD	659
48 V AC	RXM3AB2E7	830
48 V DC	RXM3AB2ED	811
110 V DC	RXM3AB2FD	689
120 V AC	RXM3AB2F7	677
230 V AC	RXM3AB2P7	677
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB2JD	720
24 V AC	RXM4AB2B7	720
24 V DC	RXM4AB2BD <input checked="" type="checkbox"/>	684
48 V AC	RXM4AB2E7	720
48 V DC	RXM4AB2ED	720
110 V DC	RXM4AB2FD	720
120 V AC	RXM4AB2F7 <input checked="" type="checkbox"/>	720
125 V DC	RXM4AB2GD	720
230 V AC	RXM4AB2P7 <input checked="" type="checkbox"/>	684

## RXM Miniature Relays

Control Circuit Voltage	Reference	Unit LP [₹]
With Low Level Contact		
<b>4 Change Over - 3 AMPS Contact Rating</b>		
12 V DC	RXM4GB1JD	728
	RXM4GB2JD	774
24 V AC	RXM4GB1B7	728
	RXM4GB2B7	774
24 V DC	RXM4GB1BD	728
	RXM4GB2BD	752
48 V AC	RXM4GB1E7	728
	RXM4GB2E7	774
48 V DC	RXM4GB1ED	728
	RXM4GB2ED	774
110 V DC	RXM4GB1FD	728
	RXM4GB2FD	774
120 V AC	RXM4GB1F7	728
	RXM4GB2F7	774
230 V AC	RXM4GB2P7	774
	RXM4GB1P7	707
240 V AC	RXM4GB2U7	752

## RXZ Miniature Relays

Description	Reference	Unit LP [₹]
Accessories		
Sockets		
Socket for miniature relay - Zelio RXZ - with mixed contacts - connectors	RXZE2M114M <input checked="" type="checkbox"/>	235
Socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp	RXZE2M114 <input checked="" type="checkbox"/>	261
Socket for miniature relay - Zelio RXZ - with separate contacts - connectors	RXZE2S111M <input checked="" type="checkbox"/>	300
	RXZE2S114M	321
Protection Modules		
Diode		
Protection module - diode - 6..250V DC - for miniature relay socket RXZ	RXM040W	120
RC Circuit		
Protection module - RC circuit - 110..240 AC - for miniature relay socket RXZ	RXM041FU7	131
Protection module - RC circuit - 24..60 AC - for miniature relay socket RXZ	RXM041BN7	131
Varistor		
Protection module -Varistor - 24..60V AC/DC - for miniature relay socket RXZ	RXM021BN	155
Protection module -Varistor - 6..24V AC/DC - for miniature relay socket RXZ	RXM021RB	155
Protection module -Varistor -110..240 AC/DC - for miniature relay socket RXZ	RXM021FP	146
Clips and Legends		
Clip-in legends-for Sockets having Separate contact	RXZL420	18
Clip-in legends - for Zelio relay - set of 10	RXZL520	228
Metal maintaining clamp - For miniature relay socket RXZ	RXZ400	43
Mounting adaptor for DIN rail - for miniature relay socket RXZ	RXZE2DA	62
Mounting adaptor with fixing lugs for panel - for miniature relay socket RXZ	RXZE2FA	62
Plastic maintaining clamp - For miniature relay socket RXZ	RXZR335	41

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## RPM Power Relays

Control Circuit Voltage	Reference	Unit LP [₹]
Without LED		
<b>1 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM11JD	878
24 V AC	RPM11B7	878
24 V DC	RPM11BD	872
48 V AC	RPM11E7	878
48 V DC	RPM11ED	878
110 V DC	RPM11FD	878
120 V AC	RPM11F7	1065
230 V AC	RPM11P7	970
<b>2 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM21JD	908
24 V AC	RPM21B7	908
24 V DC	RPM21BD	882
48 V AC	RPM21E7	908
48 V DC	RPM21ED	908
110 V DC	RPM21FD	908
120 V AC	RPM21F7	1065
230 V AC	RPM21P7	908
<b>3 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM31JD	938
24 V AC	RPM31B7	983
24 V DC	RPM31BD	938
48 V AC	RPM31E7	938
48 V DC	RPM31ED	938
110 V DC	RPM31FD	938
120 V AC	RPM31F7	1108
230 V AC	RPM31P7	1010
<b>4 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM41JD	983
24 V AC	RPM41B7	983
24 V DC	RPM41BD	980
48 V AC	RPM41E7	983
48 V DC	RPM41ED	928
110 V DC	RPM41FD	983
120 V AC	RPM41F7	1126
230 V AC	RPM41P7	983
With LED		
<b>1 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM12JD	926
24 V AC	RPM12B7	926
24 V DC	RPM12BD	622
48 V AC	RPM12E7	926
48 V DC	RPM12ED	926
110 V DC	RPM12FD	926
120 V AC	RPM12F7	1108
230 V AC	RPM12P7	1010
<b>2 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM22JD	938
24 V AC	RPM22B7	938
24 V DC	RPM22BD	823
48 V AC	RPM22E7	938
48 V DC	RPM22ED	938
110 V DC	RPM22FD	938
120 V AC	RPM22F7	1108
230 V AC	RPM22P7	920

## RPM Power Relays

Control Circuit Voltage	Reference	Unit LP [₹]
<b>3 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM32JD	954
24 V AC	RPM32B7	954
24 V DC	RPM32BD	1049
48 V AC	RPM32E7	954
48 V DC	RPM32ED	954
110 V DC	RPM32FD	954
120 V AC	RPM32F7	1126
230 V AC	RPM32P7	1049
<b>4 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM42JD	1017
24 V AC	RPM42B7	997
24 V DC	RPM42BD	990
48 V AC	RPM42E7	987
48 V DC	RPM42ED	1017
110 V DC	RPM42FD	988
120 V AC	RPM42F7	1099
230 V AC	RPM42P7	990

## RPZ Power Relays

Description	Reference	Unit LP [₹]
Accessories		
Mixed Contact Socket		
	RPZF2	402
Socket for power relay - Zelio RPZ - with mixed contacts - screw clamp	RPZF1	400
	RPZF4	685
	RPZF3	709
Clips And Legends		
Metal maintaining clamp - for relay socket RPZF1	RPZR235	108
Mounting adaptor for DIN rail - for power relay socket RPZ	RPZ1DA	108
	RPZ3DA	108
	RPZ4DA	147
Mounting adaptor with fixing lugs for panel - for power relay socket RPZ	RPZ1FA	108
	RPZ3FA	108
	RPZ4FA	147

## RPF Power Relays

Control Circuit Voltage	Reference	Unit LP [₹]
N/O - 30 AMPS Contact Rating		
24 V DC	RPF2ABD	1603
120 V AC	RPF2AF7	1650
230 V AC	RPF2AP7	1571
Change Over - 30 AMPS Contact Rating		
12 V DC	RPF2BJD	1345
24 V AC	RPF2BB7	1384
24 V DC	RPF2BBD	1589
110 V DC	RPF2BFD	1384
120 V AC	RPF2BF7	1774
230 V AC	RPF2BP7	1635

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



## RE17 Electronic Timers

NEW

Description	Reference	Unit LP [₹]
On Delay Timer 24 240 Vac	RE17LAMW	2048
Off Delay Timer 24 240VAC	RE17LCBM	2441
Timer Function H Solid State Output 24 240VAC	RE17LHBM	3123
Flashing Timer	RE17LLBM	2566
Multi Function Timer	RE17LMBM	2468
Timer Function A at 1C O 24VAC DC 240VAC	RE17RAMU	1958
Timer Function B 1C O 24VAC DC 240VAC	RE17RBMU	2911
Timer Function C 1C O 24VAC DC 240VAC	RE17RCMU	2048
Timer Function H Ht 1C O 24VAC DC 240VAC	RE17RHMU	2108
Flashing Timer	RE17RLJU	2739
Timer Function L Li 1C O 24VAC DC 240VAC	RE17RLMU	2739
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMEMU	2439
10 X MultiFunction Timer 1C O 12VAC DC	RE17RMJU	2592
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMMU	2518
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMW	2805
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMWS	3021
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMXMU	3168

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



## Biometric Switch

Description	Reference	Unit LP ₹
Bistable biometric switch, 24 V DC - PNP - by 2m cable	XB5S1B2L2	30273
Bistable biometric switch, 24 V DC - PNP - by M12 connector	XB5S1B2M12	31939
Monostable biometric switch, 24 V DC - PNP - by 2m cable	XB5S2B2L2	30668
Monostable biometric switch, 24 V DC - PNP - by M12 connector	XB5S2B2M12	31841

## Accessories

Description	Reference	Unit MRP ₹
Protective cover, translucent & self adhesive	ZB5SZ70	754
Diameter 22 mm nut	ZB5SZ71	308
Legend plate 28X7 mm	ZBY0101T	142

## Pushbuttons

Description	Type of Contact	Colour	Reference	Unit LP ₹
<b>Spring return</b>				
	NO	White	XB5AA11N ✓	142
	NO	Black	XB5AA21N ✓	142
	NO	Green	XB5AA31N ✓	142
	NO	Yellow	XB5AA51N ✓	142
<b>Flush</b>				
	NO	Blue	XB5AA61N ✓	142
	NC	Red	XB5AA42N ✓	142
	NO	Red	XB5AA41N ✓	142
	NO	Blank	XB5AA01N* ✓	142
	NO	White	XB5AL11N	178
	NO	Black	XB5AL21N	173
	NO	Green	XB5AL31N ✓	173
<b>Projecting</b>				
	NO	Yellow	XB5AL51N	173
	NO	Blue	XB5AL61N	173
	NC	Red	XB5AL42N ✓	173
	NO	Red	XB5AL41N	173
<b>Flush with silicon transparent boot</b>				
	NO	Black	XB5AP21N ✓	202
	NO	Green	XB5AP31N ✓	202
	NO	Yellow	XB5AP51N ✓	202
	NO	Blue	XB5AP61N	208
	NC	Red	XB5AP42N ✓	202
	NO	Green	XB5AA3311N	201
	NC	Red	XB5AA4322N	201
<b>Flush, marked (double molding /injection marking)</b>				
	NO	Green	XB5AA3331N ✓	201
	NC	Red	XB5AA4342N ✓	201
	NO	Green	XB5AA3411N	207
	NC	Red	XB5AA4352N	207
<b>Projecting, marked (double molding /injection marking)</b>				
	NC	Red	XB5AL4342N	210
	NC	Red	XB5AL4352N	210
<b>Flush, marked "I/O"</b>				
	NO+NC	Green	XB5AL845N ✓	997

## Pilot lights

Description	Supply Voltage	Colour	Reference	Unit LP ₹	
<b>With smooth lens (except clear colour)</b>					
	~ 24V	White	XB7EV01BPN ✓	227	
		Green	XB7EV03BPN ✓	210	
		Red	XB7EV04BPN ✓	210	
		Yellow	XB7EV05BPN ✓	210	
		Amber	XB7EV08BPN ✓	210	
		Blue	XB7EV06BPN ✓	434	
		Clear	XB7EV07BPN* ✓	210	
		White	XB7EV01GPN ✓	227	
		Green	XB7EV03GPN ✓	210	
		Red	XB7EV04GPN ✓	210	
<b>Direct Integral LED</b>					
	~ 120V	Yellow	XB7EV05GPN ✓	210	
		Amber	XB7EV08GPN ✓	210	
		Blue	XB7EV06GPN ✓	434	
		Clear	XB7EV07GPN*	210	
		White	XB7EV01MPN ✓	227	
		Green	XB7EV03MPN ✓	210	
		Red	XB7EV04MPN ✓	210	
		~ 230V	Yellow	XB7EV05MPN ✓	210
			Amber	XB7EV08MPN ✓	210
			Blue	XB7EV06MPN ✓	434
		Clear	XB7EV07MPN*	210	

\* 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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

### 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"/>	413
	NO	Green	XB5AW33B1N <input checked="" type="checkbox"/>	414
	NC	Red	XB5AW34B2N <input checked="" type="checkbox"/>	414
	NO	Yellow	XB5AW35B1N <input checked="" type="checkbox"/>	414
	NO	Amber	XB5AW38B1N <input checked="" type="checkbox"/>	461
	NO	Blue	XB5AW36B1N <input checked="" type="checkbox"/>	800
	NO	Clear	XB5AW37B1N*	800
Projecting Integral LED ≈ 24V	NO	White	XB5AW11B1N	406
	NO	Green	XB5AW13B1N <input checked="" type="checkbox"/>	414
	NC	Red	XB5AW14B2N <input checked="" type="checkbox"/>	414
	NO	Yellow	XB5AW15B1N	414
	NO	Amber	XB5AW18B1N	406
	NO	Blue	XB5AW16B1N	785
	NO	Clear	XB5AW17B1N*	418
Push Integral LED ≈ 24V	NO	White	XB5AH31B1N	546
	NO	Green	XB5AH33B1N	546
	NC	Red	XB5AH34B2N	546
	NO	Yellow	XB5AH35B1N	546
	NO	Amber	XB5AH38B1N	562
	NO	Blue	XB5AH36B1N	811
	NO	Clear	XB5AH37B1N*	562
Flush Integral LED ~ 110V	NO	White	XB5AW31G1N	505
	NO	Green	XB5AW33G1N <input checked="" type="checkbox"/>	505
	NC	Red	XB5AW34G2N <input checked="" type="checkbox"/>	505
	NO	Yellow	XB5AW35G1N	800
	NO	Amber	XB5AW38G1N	482
	NO	Blue	XB5AW36G1N	800
	NO	Clear	XB5AW37G1N*	915
Flush Integral LED ~ 230V	NO	White	XB5AW31M1N <input checked="" type="checkbox"/>	472
	NO	Green	XB5AW33M1N <input checked="" type="checkbox"/>	414
	NC	Red	XB5AW34M2N <input checked="" type="checkbox"/>	414
	NO	Yellow	XB5AW35M1N <input checked="" type="checkbox"/>	414
	NO	Amber	XB5AW38M1N <input checked="" type="checkbox"/>	461
	NO	Blue	XB5AW36M1N <input checked="" type="checkbox"/>	800
	NO	Clear	XB5AW37M1N*	889
Projecting Integral LED ~ 230V	NO	White	XB5AW11M1N	536
	NO	Green	XB5AW13M1N	414
	NC	Red	XB5AW14M2N	414
	NO	Yellow	XB5AW15M1N	414
	NO	Amber	XB5AW18M1N	406
	NO	Blue	XB5AW16M1N	785
	NO	Clear	XB5AW17M1N*	418
Push Integral LED ~ 230V	NO	White	XB5AH11M1N	623
	NO	Green	XB5AH13M1N <input checked="" type="checkbox"/>	546
	NC	Red	XB5AH14M2N <input checked="" type="checkbox"/>	546
	NO	Yellow	XB5AH15M1N	546
	NO	Amber	XB5AH18M1N	562
	NO	Blue	XB5AH16M1N	835
	NO	Clear	XB5AH17M1N*	562

\* 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## Non-Illuminated Pushbutton

Description	Dia of Head	Type of Contact	Colour	Reference	Unit LP [₹]
Mushroom Head					
40		NO	Black	XB5AC21N <input checked="" type="checkbox"/>	275
		NO	Green	XB5AC31N <input checked="" type="checkbox"/>	
		NC	Red	XB5AC42N <input checked="" type="checkbox"/>	
		NO	Red	XB5AC41N <input checked="" type="checkbox"/>	
		NO	Yellow	XB5AC51N	
Spring return		NO	Blue	XB5AC61N	357
		NO	Black	XB5AR21N	
		NO	Green	XB5AR31N <input checked="" type="checkbox"/>	
		NC	Red	XB5AR42N	
		NO	Red	XB5AR41N	
30		NO	Yellow	XB5AR51N	368
		NO	Blue	XB5AR61N	
		NC	Black	XB5AS422N	
		NC	Red	XB5AS442N <input checked="" type="checkbox"/>	
		NC	Black	XB5AS522N <input checked="" type="checkbox"/>	
Turn to release	40	NC	Red	XB5AS542N <input checked="" type="checkbox"/>	269
		NC	Red	XB5AS9445N <input checked="" type="checkbox"/>	625
Key release (n°155)	40	NC	Red	XB5AS9445N <input checked="" type="checkbox"/>	485
		NC	Black	XB5AS122N <input checked="" type="checkbox"/>	592
Trigger action turn to release	40	NC+NO	Red	XB5AS8445N	625
Trigger action key to release	40	NO+NC	Red	XB5AS9445N	630
Trigger action key to release	40	NC	Red	XB5AS9442N	

## Illuminated Pushbutton with yellow LED

Description	Supply Voltage	Type of Contact	Reference	Unit LP [₹]	
Double Headed Pushbuttons (Spring return)					
1 flush push (marked "I") 1 pilot light 1 projecting push (marked "O")	≈ 24V	NO+NC	XB5AW84B5N <input checked="" type="checkbox"/>	989	
	~ 110V	NO+NC	XB5AW84G5N		
	~ 230V	NO+NC	XB5AW84M5N <input checked="" type="checkbox"/>		
Mushroom Head Pushbuttons (Illuminated)					
Turn to release	≈ 24V	NC	Red	XB5AW74B2N <input checked="" type="checkbox"/>	567
	~ 230V-240V	NC	Red	XB5AW74M2N <input checked="" type="checkbox"/>	

## Illuminated - Selector switch

Description	Type of Contact	Colour	Reference	Unit LP [₹]
2 stay put ≈ 24V	NO	White	XB5AK121B1N <input checked="" type="checkbox"/>	688
	NO	Green	XB5AK123B1N <input checked="" type="checkbox"/>	596
	NC	Red	XB5AK124B2N <input checked="" type="checkbox"/>	
	NO	Yellow	XB5AK125B1N <input checked="" type="checkbox"/>	
2 spring return from right to left ≈ 24V	NO	Blue	XB5AK126B1N	967
	NO	White	XB5AK141B1N	1046
	NO	Green	XB5AK143B1N	
	NC	Red	XB5AK144B2N	1077
	NO	Yellow	XB5AK145B1N	1046
3 stay put ≈ 24V	NO	Blue	XB5AK146B1N	1309
	2NO	White	XB5AK131B3N	906
	2NO	Green	XB5AK133B3N <input checked="" type="checkbox"/>	626
	1NO+1NC	Red	XB5AK134B5N <input checked="" type="checkbox"/>	
3 stay put ~ 230V	2NO	Yellow	XB5AK135B3N	1208
	2NO	Blue	XB5AK136B3N	679
	2NO	White	XB5AK151B3N	627
	2NO	Green	XB5AK153B3N <input checked="" type="checkbox"/>	913
3 spring return to centre ≈ 24V	1NO+1NC	Red	XB5AK154B5N	1381
	2NO	Yellow	XB5AK155B3N	688
	2NO	Blue	XB5AK156B3N	596
2 stay put ~ 230V	NO	Yellow	XB5AK125M1N <input checked="" type="checkbox"/>	967
	NO	Blue	XB5AK126M1N	
	NO	White	XB5AK121M1N <input checked="" type="checkbox"/>	
	NO	Green	XB5AK123M1N <input checked="" type="checkbox"/>	1077
2 spring return right to left ~ 230V	NC	Red	XB5AK124M2N <input checked="" type="checkbox"/>	1046
	NO	Yellow	XB5AK145M1N	1077
	NO	Blue	XB5AK146M1N	1309
	2NO	White	XB5AK131M3N	933
3 stay put ~ 230V	2NO	Green	XB5AK133M3N <input checked="" type="checkbox"/>	626
	1NO+1NC	Red	XB5AK134M5N <input checked="" type="checkbox"/>	
	2NO	Yellow	XB5AK135M3N	1208
	2NO	Blue	XB5AK136M3N	679
3 spring return to center ~ 230V	2NO	White	XB5AK151M3N	627
	2NO	Green	XB5AK153M3N <input checked="" type="checkbox"/>	913
	1NO+1NC	Red	XB5AK154M5N	1381
	2NO	Yellow	XB5AK155M3N <input checked="" type="checkbox"/>	
	2NO	Blue	XB5AK156M3N <input checked="" type="checkbox"/>	

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## 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"/>	347
	2 spring return, right to left	1NO XB5AD41N <input checked="" type="checkbox"/>	554
	3 stay put	2NO XB5AD33N <input checked="" type="checkbox"/>	379
	3 spring return to center	2NO XB5AD53N <input checked="" type="checkbox"/>	404
	3 spring return, left to center	2NO XB5AD73N <input checked="" type="checkbox"/>	404
	3 spring return, right to center	2NO XB5AD83N <input checked="" type="checkbox"/>	434
	Long handle black	2 stay put	1NO XB5AJ21N <input checked="" type="checkbox"/>
3 stay put		2NO XB5AJ33N <input checked="" type="checkbox"/>	390
3 Spring return to center		2NO XB5AJ53N <input checked="" type="checkbox"/>	407
Key switch	2 stay put*	1NO XB5AG21N <input checked="" type="checkbox"/>	533
	2 stay put*	1NO XB5AG021N	608
	2 stay put*	1NO XB5AG41N	533
	2 spring return, right to left	1NO XB5AG61N	946
	3 stay put*	2NO XB5AG53N <input checked="" type="checkbox"/>	567
	3 stay put*	2NO XB5AG03N <input checked="" type="checkbox"/>	452
	3 stay put*	2NO XB5AG33N <input checked="" type="checkbox"/>	598
	3 spring return to center	2NO XB5AG73N <input checked="" type="checkbox"/>	874
	3 spring return, left to center	2NO XB5AG13N	616
	3 spring return, right to center	2NO XB5AG083N	769

\* 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"/>	96
	White/Yellow bkgd.	Blank	ZBY4101N	
With 8 x 27 mm English language marked legend	Black or Red bkgd.	Inch	ZBY2321N	99
		OFF	ZBY2312N	
		ON	ZBY2326N	
		Reset	ZBY2323N	
		Reverse	ZBY2306N	
Legends for emergency stop Mushroom head pushbuttons	Emergency stop Yellow bkgd.	ON	ZBY9330N <input checked="" type="checkbox"/>	96
			ZBY8330N	

## 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	34
	Black	ZBA2N	
	Red	ZBA4N	33
	Yellow	ZBA5N	
	Blue	ZBA6N	
Projecting	Set of 6 colours*	ZBA9N	62
	White	ZBL1N	63
	Black	ZBL2N	
	Green	ZBL3N	
	Red	ZBL4N	
	Yellow	ZBL5N	
	Blue	ZBL6N	
	Set of 6 colors*	ZBL9N	

## 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	99
	I	White	Green	ZBA331N	99
	START	White	Green	ZBA333N	96
	ON	White	Green	ZBA341N**	139
	STOP	White	Red	ZBA434N	96
	UP	Black	White	ZBA343N	139
	DOWN	White	Black	ZBA344N	143
	OFF	White	Red	ZBA434N	96

\* 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"/>	96
Anti rotation plate,	Prevents head from rotation	ZB5AZ902N <input checked="" type="checkbox"/>	27
Fixing collar	To fix contacts or lights	ZB5AZ009N <input checked="" type="checkbox"/>	96
Fixing nut		ZB5AZ901N	27

## Contact blocks with screw clamp terminal connections

Description	Type of Contact	Reference	Unit LP [₹]
Standard single	1NO	ZBE101N <input checked="" type="checkbox"/>	80
Contact blocks	1NC	ZBE102N <input checked="" type="checkbox"/>	

## Clear silicon boots

Description	Reference	Unit LP [₹]
Boot for cylindrical flush PB	ZBPAN <input checked="" type="checkbox"/>	55
Boot for cylindrical projecting PB	ZBP0N	57
Boot for double head illuminated PB and non-illuminated PB	ZBW008N	99

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Light block with screw clamp terminal connections

Description	Supply Voltage	Colour of Light source	Reference	Unit LP [₹]
Integral LED	~ 24V	White	ZBVB1N	257
		Green	ZBVB3N <input checked="" type="checkbox"/>	257
		Red	ZBVB4N	257
		Yellow	ZBVB5SN	257
		Amber	ZBVB8N	257
		Blue	ZBVB6N	680
	~ 110V	White	ZBVG1N	342
		Green	ZBVG3N	332
		Red	ZBVG4N	332
		Yellow	ZBVG5SN	867
		Amber	ZBVG8N	342
		Blue	ZBVG6N	706
	~ 220V	White	ZBVM1N	403
		Green	ZBVM3N <input checked="" type="checkbox"/>	266
		Red	ZBVM4N <input checked="" type="checkbox"/>	266
		Yellow	ZBVM5SN	266
		Amber	ZBVM8N	273
		Blue	ZBVM6N	686
Direct bulb holder without resistance	~ 130V	-	ZBV6N	162

## Flush mounting kit 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	840
Metal flush mounting kit (SS and IPB).	ZB4BZ022	885
Plastic flush mounting kit (PB and PL).	ZB5AZ021	738
Plastic flush mounting kit (SS and IPB).	ZB5AZ022	745
Plastic flush mounting kit for legend 8x27 (PB and PL).	ZB5AZ023	840
Plastic flush mounting kit for legend 8x27 (SS and IPB).	ZB5AZ024	893
Plastic flush mounting kit for legend 18x27 (PB and PL).	ZB5AZ025	1155
Plastic flush mounting kit for legend 18x27 (SS and IPB).	ZB5AZ026	1208

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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

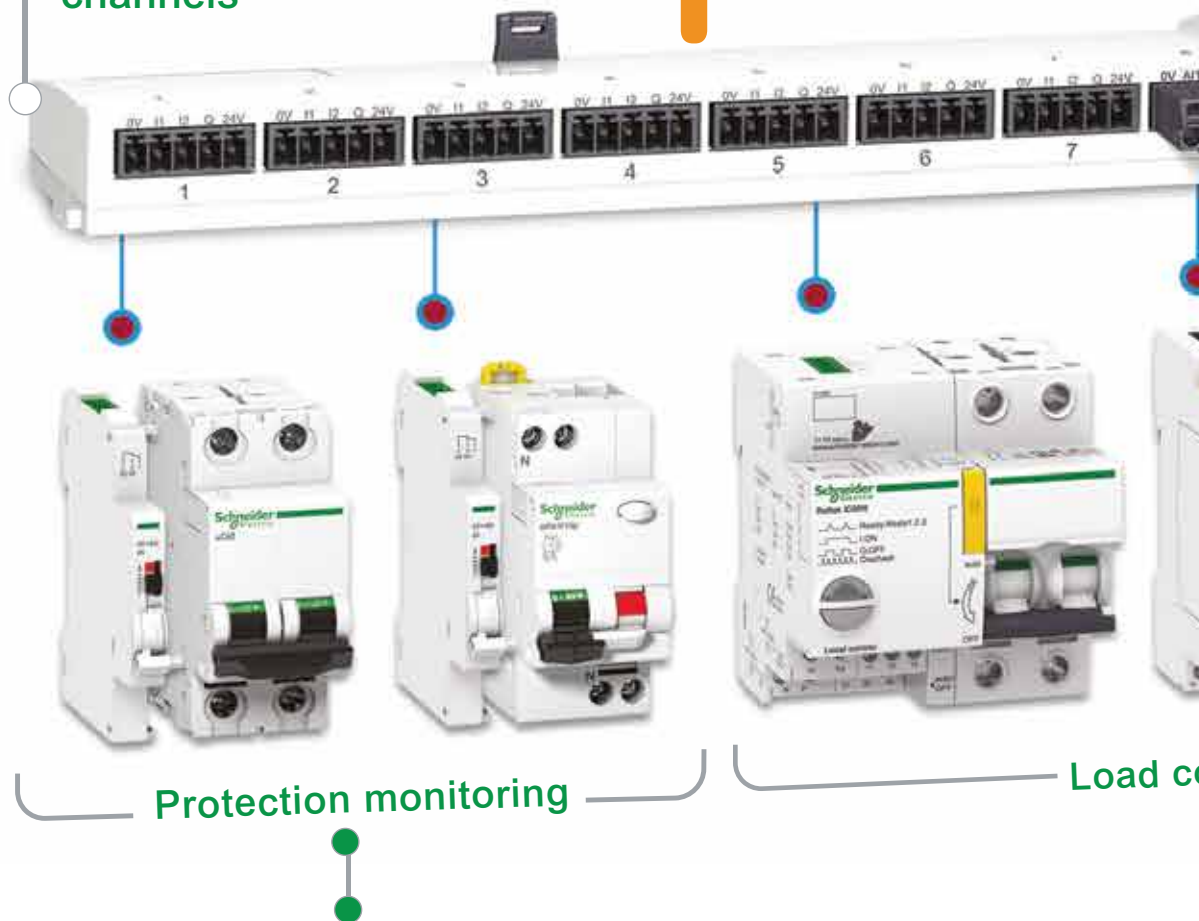
- Error proof connection leading to reduction in downtime
- EMC tested for immunity, radiated and conducted safety

**NEW**

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

7 input/output channels

Exclusive From Schneider Electric



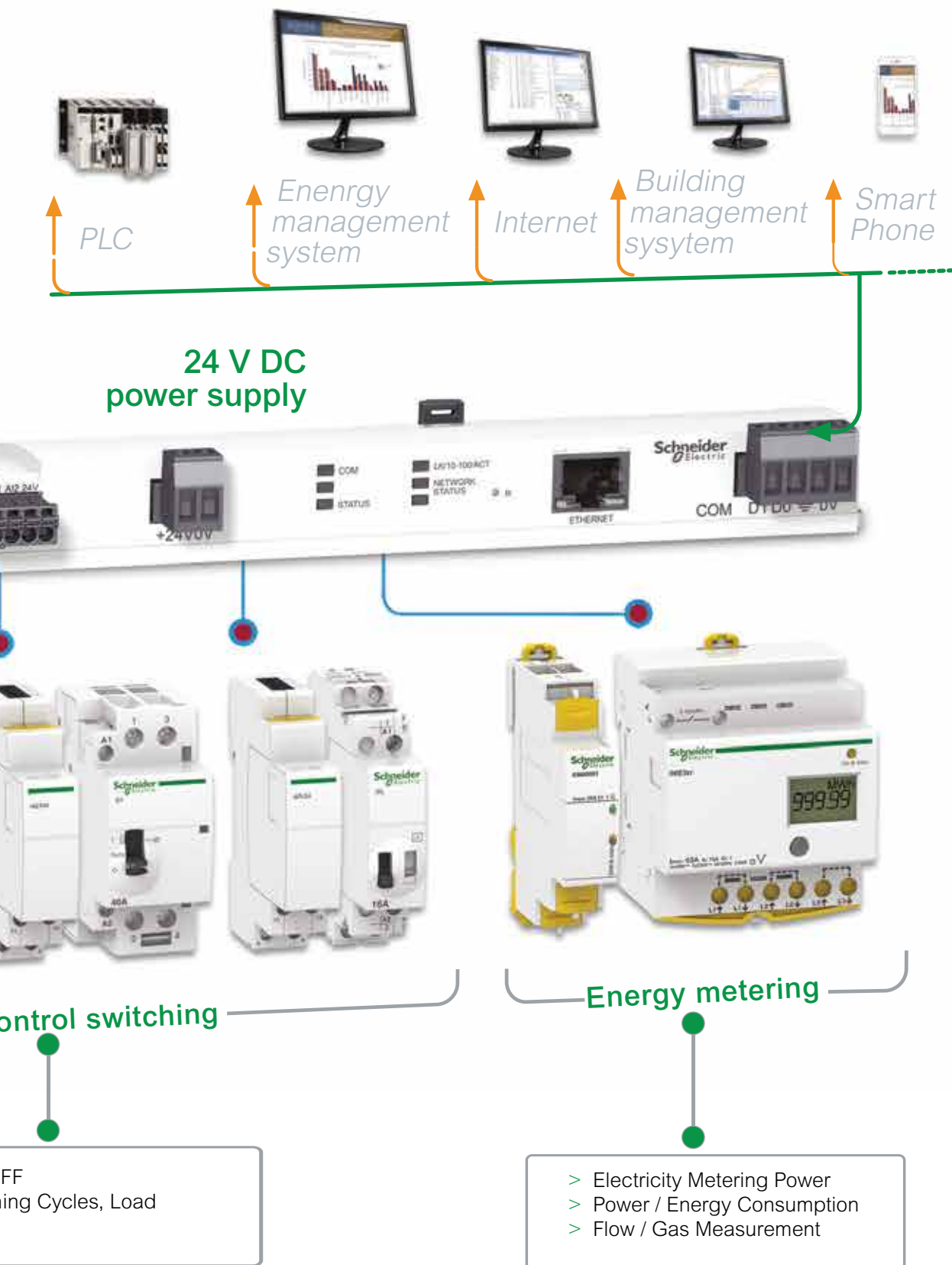
- > Status Monitoring - ON / OFF / TRIP
- > Trip Alarm Indication
- > Load Monitoring - No. of tripping cycles, Running Hours

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



Meets the challenge of all your applications  
Detailed load control, reduced downtime and accurately planned maintenance

# Ready to connect to any facility management solution



## Green Premium Products

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

## 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	31290
Smartlink IP	A9XMEA08	34860

## Communication Auxiliaries



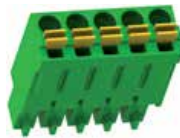
Auxiliary for Protection Devices (OF+SD24)

Auxiliary for Contactors (IACT24)

Auxiliary for Impulse Relays (IATL24)

Description	Module Width	Reference	Unit LP [₹]
OF+SD24	0.5	A9N26899	2065
IACT24	1	A9C15924	10395
IATL24	1	A9C15424	10945

## Accessories



Description	Set of	Reference	Unit LP [₹]
<b>Prefabricated Cables:</b>			
<b>With 2 Connectors</b>			
Short: 100mm	6	A9XCAS06	4190
Medium: 160mm	6	A9XCAM06	4230
Long: 870mm	6	A9XCAL06	4810
<b>With 1 Connector</b>			
Long:870mm	6	A9XCAU06	2890
<b>Connectors</b>			
5-pin connectors (Ti24)	12	A9XC2412	6050
<b>Mounting Kit</b>			
Din Rail (4 feet, 4 Straps, 4 Adapters)	1	A9XMFA04	1180
<b>Multiclip</b>			
Multiclip 80A	1	04000	7345
<b>Spare Parts</b>			
Lock for Multiclip 80A (2 clips)	1	A9XMLA02	360
<b>Distribloc 63A</b>			
Distribution from the top (4 Module)	1	04040	8365
Distribution through the bottom (4 Module)	1	04041	8385
Power Logic EGX300 - Ethernet port (4 Module)	1	30002885	30545
ABL Power Supply - 1.2A 24VDC	1	ABL8MEM24012	6200
ABL Power Supply - 0.6A 24VDC	1	ABL8MEM24006	4550
Double DIN rail	1	LSL58801A	725

LP: List Price

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



## 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	
<b>B Curve</b>						
10	A9C61210	30565	A9C61310	32895	A9C61410	34225
16	A9C61216	30585	A9C61316	32925	A9C61416	34265
25	A9C61225	30620	A9C61325	32990	A9C61425	34335
40	A9C61240	32540	A9C61340	35850	A9C61440	38165
63	A9C61263	33670	A9C61363	36550	A9C61463	38405
<b>C Curve</b>						
10	A9C62210	30570	A9C62310	32900	A9C62410	34240
16	A9C62216	30585	A9C62316	32925	A9C62416	34265
25	A9C62225	30620	A9C62325	32980	A9C62425	34340
40	A9C62240	32550	A9C62340	35870	A9C62440	38185
63	A9C62263	33665	A9C62363	36550	A9C62463	38410
<b>D Curve</b>						
10	A9C63210	30570	A9C63310	32900	A9C63410	34240
16	A9C63216	30585	A9C63316	32920	A9C63416	34265
25	A9C63225	30620	A9C63325	32990	A9C63425	34340

Note: \*\*18mm/module

## 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 MRP [₹]
IEM 2000T 1Ph Energy Meter upto 40A, POP w/o Display	A9MEM2000T	4595
IEM3110 3 Phase Energy Meter Energy Meter with POP Accuracy CL 1.0	A9MEM3110	11292
IEM3150 3 Phase Energy Meter Energy Meter with V,I,Power, Accuracy CL 1.0, with Modbus	A9MEM3150	12335
IEM3155 Multifunction 3 Phase Energy Meter with V,I,F,PF,Power, Energy,1DI/1DO, Multi Tariff, with Modbus Accuracy CL 1.0	A9MEM3155	13069

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

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

## > 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 recloser 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

### AC Miniature Circuit Breakers - xC60



- Breaking Capacity as per IEC 60898 and IS/IEC 60898, 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
- Reference Temperature of 50°C as per IEC 60947-2

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

#### B curve

6	A9N1P06B ✓	268	A9N2P06B ✓	788	A9N3P06B ✓	1286	A9N4P06B ✓	1728
10	A9N1P10B ✓	268	A9N2P10B ✓	788	A9N3P10B ✓	1286	A9N4P10B ✓	1728
16	A9N1P16B ✓	268	A9N2P16B ✓	788	A9N3P16B ✓	1286	A9N4P16B ✓	1728
20	A9N1P20B ✓	268	A9N2P20B ✓	788	A9N3P20B ✓	1286	A9N4P20B ✓	1728
25	A9N1P25B ✓	268	A9N2P25B ✓	788	A9N3P25B ✓	1286	A9N4P25B ✓	1728
32	A9N1P32B ✓	268	A9N2P32B ✓	788	A9N3P32B ✓	1286	A9N4P32B ✓	1728
40	A9N1P40B ✓	578	A9N2P40B ✓	1278	A9N3P40B ✓	1972	A9N4P40B ✓	2508
50	A9N1P50B	578	A9N2P50B	1278	A9N3P50B	1972	A9N4P50B	2508
63	A9N1P63B ✓	578	A9N2P63B ✓	1278	A9N3P63B ✓	1972	A9N4P63B ✓	2508

#### C curve

1	A9N1P01C ✓	406	A9N2P01C ✓	1098	A9N3P01C ✓	1692	A9N4P01C ✓	2148
2	A9N1P02C ✓	406	A9N2P02C ✓	1098	A9N3P02C ✓	1692	A9N4P02C ✓	2148
3	A9N1P03C ✓	406	A9N2P03C ✓	1098	A9N3P03C ✓	1692	A9N4P03C ✓	2148
4	A9N1P04C ✓	406	A9N2P04C ✓	1098	A9N3P04C ✓	1692	A9N4P04C ✓	2148
6	A9N1P06C ✓	268	A9N2P06C ✓	788	A9N3P06C ✓	1286	A9N4P06C ✓	1728
10	A9N1P10C ✓	268	A9N2P10C ✓	788	A9N3P10C ✓	1286	A9N4P10C ✓	1728
16	A9N1P16C ✓	268	A9N2P16C ✓	788	A9N3P16C ✓	1286	A9N4P16C ✓	1728
20	A9N1P20C ✓	268	A9N2P20C ✓	788	A9N3P20C ✓	1286	A9N4P20C ✓	1728
25	A9N1P25C ✓	268	A9N2P25C ✓	788	A9N3P25C ✓	1286	A9N4P25C ✓	1728
32	A9N1P32C ✓	268	A9N2P32C ✓	788	A9N3P32C ✓	1286	A9N4P32C ✓	1728
40	A9N1P40C ✓	578	A9N2P40C ✓	1278	A9N3P40C ✓	1972	A9N4P40C ✓	2508
50	A9N1P50C	578	A9N2P50C	1278	A9N3P50C	1972	A9N4P50C	2508
63	A9N1P63C ✓	578	A9N2P63C ✓	1278	A9N3P63C ✓	1972	A9N4P63C ✓	2508

#### D curve

1	A9N1P01D ✓	412	A9N2P01D	1118	A9N3P01D ✓	1736	----	----
2	A9N1P02D ✓	412	A9N2P02D ✓	1118	A9N3P02D ✓	1736	A9N4P02D	2174
3	A9N1P03D ✓	412	A9N2P03D ✓	1118	A9N3P03D ✓	1736	A9N4P03D	2174
4	A9N1P04D ✓	412	A9N2P04D ✓	1118	A9N3P04D ✓	1736	A9N4P04D	2174
6	A9N1P06D ✓	346	A9N2P06D ✓	830	A9N3P06D ✓	1354	A9N4P06D ✓	1798
10	A9N1P10D ✓	346	A9N2P10D ✓	830	A9N3P10D ✓	1354	A9N4P10D ✓	1798
16	A9N1P16D ✓	346	A9N2P16D ✓	830	A9N3P16D ✓	1354	A9N4P16D ✓	1798
20	A9N1P20D ✓	346	A9N2P20D ✓	830	A9N3P20D ✓	1354	A9N4P20D ✓	1798
25	A9N1P25D ✓	346	A9N2P25D ✓	830	A9N3P25D ✓	1354	A9N4P25D ✓	1798
32	A9N1P32D ✓	346	A9N2P32D ✓	830	A9N3P32D ✓	1354	A9N4P32D ✓	1798
40	A9N1P40D ✓	628	A9N2P40D ✓	1362	A9N3P40D ✓	2096	A9N4P40D ✓	2640
50	A9N1P50D	628	A9N2P50D	1362	A9N3P50D	2096	A9N4P50D	2640
63	A9N1P63D	628	A9N2P63D ✓	1362	A9N3P63D ✓	2096	A9N4P63D ✓	2640

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

# Acti 9

Advanced Communication  
Technology that Inspires...

## Miniature Circuit Breakers (MCBs)

for circuit protection against Overload and Short Circuit Current Fault

### AC Miniature Circuit Breakers - C120



Suitable for  
ComReady  
Auxiliary

- 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
- Reference temperature 50°C as per IEC 60947-2

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
<b>Module Width**</b>	<b>1.5 mod</b>		<b>3 mod</b>		<b>4.5 mod</b>		<b>6 mod</b>	
<b>MOQ</b>	<b>12 Nos.</b>		<b>6 Nos.</b>		<b>4 Nos.</b>		<b>3 Nos.</b>	

#### C120N (10kA)

80	A9N18357	2115	A9N18361	4695	A9N18365	7400	A9N18372	9640
100	A9N18358	2375	A9N18362	5010	A9N18367	7885	A9N18374	10055
125	A9N18359	2565	A9N18363	5510	A9N18369	8755	A9N18376	11370

#### C120H (15kA)

80	A9N18446	2535	A9N18457	5710	A9N18468	8695	A9N18479	11165
100	A9N18447	2800	A9N18458	5850	A9N18469	9475	A9N18480	12035
125	A9N18448	3055	A9N18459	6640	A9N18470	10220	A9N18481	13075

### DC Miniature Circuit Breakers - C60H



Suitable for  
ComReady  
Auxiliary

- Specially designed MCB for enhanced protection in DC installation
- Magnetic arch 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 [₹]
<b>MOQ</b>		<b>12 Nos.</b>			<b>6 Nos.</b>	

#### C60H-DC

0.5	1	A9N61500	725	2	A9N61520	1530
1	1	A9N61501 ✓	725	2	A9N61521 ✓	1530
2	1	A9N61502 ✓	725	2	A9N61522 ✓	1530
3	1	A9N61503 ✓	725	2	A9N61523 ✓	1530
4	1	A9N61504 ✓	725	2	A9N61524 ✓	1530
5	1	A9N61505	725	2	A9N61525	1530
6	1	A9N61506 ✓	590	2	A9N61526 ✓	1285
10	1	A9N61508 ✓	590	2	A9N61528 ✓	1285
16	1	A9N61511 ✓	590	2	A9N61531 ✓	1285
20	1	A9N61512 ✓	590	2	A9N61532 ✓	1285
25	1	A9N61513 ✓	590	2	A9N61533 ✓	1285
32	1	A9N61515 ✓	590	2	A9N61535 ✓	1285
40	1	A9N61517 ✓	775	2	A9N61537 ✓	1770
50	1	A9N61518 ✓	775	2	A9N61538 ✓	1770
63	1	A9N61519 ✓	775	2	A9N61539 ✓	1770

### Special application MCBs



#### Solar Application – PV DC

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



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

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



#### UL MCB

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

#### Note:

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

\*Rail Application RCDs are also available on demand

\*\*18mm/module

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

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W.E.F. December 29, 2016

### 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	
<b>NG125N – 25kA Breaking Capacity</b>								
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	*
<b>NG125H – 36kA Breaking Capacity</b>								
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	*
<b>NG125H – 50kA Breaking Capacity</b>								
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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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



**30  
mA**

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



**Schenider Electric provides voltages 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**

**Schenider Electric offers SI RCD built to operate in electroically polluted or intallation in aggressive environments:**

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

\* for Measures relating to Safety and Electric supply

# Acti 9

Advanced Communication  
Technology that Inspires...

## Residual Current Devices

for protection against Risk of Shock / Electrocution and Risk of Fire  
in case of Earth Leakage Current.

### AC Residual Current Circuit Breakers - xID



Suitable for  
ComReady  
Auxiliary



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

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16201	2815	4	A9N16251	3830
	100	2	A9N16203	3000	4	A9N16253	3990
	300	2	A9N16202	3085	4	A9N16252	4110
40	30	2	A9N16204	3300	4	A9N16254	3840
	100	2	A9N16205	3495	4	A9N16255	4015
	300	2	A9N16206	3590	4	A9N16256	4170
63	30	2	A9N16208	3900	4	A9N16258	4450
	100	2	A9N16209	4120	4	A9N16259	4745
	300	2	A9N16210	4205	4	A9N16260	4765
80	30	2	A9N16212	6565	4	A9N16261	7700
	100	2	A9N16213	6550	4	A9N16262	7680
	300	2	A9N16214	6670	4	A9N16263	7725

### 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	9290
		100	4	**A9R12491	9595
		30	4	16905	27615
	125	100	4	16906	28055
		300	4	16907	28575

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

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



Suitable for  
ComReady  
Auxiliary



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

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit LP [₹]
1P+N	6	30	2	A9N19661	4160
		300	2	A9N19681	4330
	10	30	2	A9N19663	4160
		300	2	A9N19683	4330
	16	30	2	A9N19665	4160
		300	2	A9N19685	4330
	20	30	2	A9N19666	4160
		300	2	A9N19686	4330
	25	30	2	A9N19667	4160
		300	2	A9N19687	4330
	32	30	2	A9N19668	4375
		300	2	A9N19688	4500
	40	30	2	A9N19669	5350
		300	2	A9N19689	5480

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



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



- Complies to standard IEC/EN 61008-1
- SI RCCDs 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 RCCDs

[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	6080	4	A9N16321	6760
40	30	2	A9N16237	6400	4	A9N16324	6980
63	30	2	A9N16240	6560	4	A9N16327	7165
	300	2	A9N16246	6570	4	A9N16334	7480

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



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

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit LP ₹	Module Width 18mm/module	4 Pole Reference	Unit LP ₹
25	30	1.5	A9N26581	3085	3	A9N26595	3705
	100	1.5	A9N26582	3855	3	A9N26596	4000
	300	1.5	A9N26583	3975	3	A9N26597	4120
63	30	2	A9N26611	4320	3.5	A9N26643	4540
	100	2	A9N26612	4490	3.5	A9N26644	4630
	300	2	A9N26613	4580	3.5	A9N26645	4720

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

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



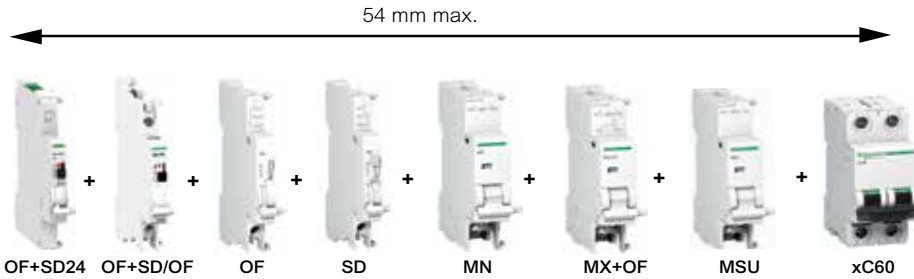
- Complies to standard IEC/EN 61009
- Ensures continuity of supply in networks with:
  - Transient overvoltages
  - Loads generating HF leakage current i.e. harmonics
  - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with :
  - Pulsating DC components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

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

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

### 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 [₹]
<b>Indication Auxiliaries</b>			
OF Auxiliary Switch: for ON/OFF indications	0.5	A9N26924	795
SD Alarm Switch: for Trip on fault indications	0.5	A9N26927	925
OF + SD/OF Auxiliary switch	0.5	A9N26929	2560
OF+SD24 auxiliary contact (ComReady)	0.5	A9N26899	2065
<b>Protection Auxiliaries – Trip Indication on front face</b>			
MN Under-voltage Release 220-240V AC	1	A9N26960	2190
MSU Over-voltage Release 275V AC	1	A9N26500	3765
<b>Tripping Auxiliaries – Trip Indication on front face</b>			
MX + OF Shunt Release 110-415V AC: for Remote tripping of Circuit Breaker	1	A9N26946	2160
MX + OF Shunt Release 12-24V AC/DC: for Remote tripping of Circuit Breaker	1	A9N26948	2160
<b>Auxiliary Switch for RCCBs – Mandatory for use of Auxiliaries with RCCBs</b>			
Auxiliary switch for RCCB up to 80A (OF-S)	0.5	A9N26923	960
Auxiliary switch for RCCBs 125A (OFSP)	0.5	16940	1480

### Accessories



Type	Description	Reference	Unit LP [₹]
Rotary Handle*	Breaker Switching Sub-Assembly	27046	2975
	Extended, Disconnectable handle	27047	1760
Padlock** (bag of 2)		26970	715
Multicable terminal for 3 copper cables**		19096	1200
Aluminum cable terminal**		27060	315
Spacer		A9N27062	155

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

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

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Protection Against Lightning Strikes And Switching Surges



For all low voltage switchboards and electrical enclosures:

## Comprehensive range

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

## Continuity of service and certified safety

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

Compliance with standards: IEC/EN 61643-11.



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



# 90%

of power outlets supply equipment incorporating electronic devices.



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



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

### Surge Arresters - Type 1+ 2



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

Type	Poles Description	Module Width 18mm/module	Reference	Unit LP
PRD1 25r	1P	2	16329	10690
	1P + N	4	16330	23520
	3P	6	16331	35275
	3P + N	8	16332	43825

### 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
- I<sub>max</sub> (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [U<sub>c</sub>]: 340V
- Level of protection, U<sub>p</sub>: 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	3600
	230	1P+N	2	A9L08500	6730
	230/400	3P	3	A9L08300	9090
	230/400	3P+N	4	A9L08600	13730
iPRD8r	230	1P+N	2	A9L08501	8075
	230/400	3P+N	4	A9L08601	16480
iPRD20	230	1P	1	A9L20100	4035
	230	1P+N	2	A9L20500	8470
	230/400	3P	3	A9L20300	10845
	230/400	3P+N	4	A9L20600	15625
iPRD20r	230	1P+N	2	A9L20501	10070
	230/400	3P+N	4	A9L20601	18750
iPRD40	230	1P	1	A9L40100	4770
	230	1P+N	2	A9L40500	9750
	230/400	3P	3	A9L40300	14005
	230/400	3P+N	4	A9L40600	19535
iPRD40r	230	1P	1	A9L40101	5720
	230	1P+N	2	A9L40501	12580
	230/400	3P	3	A9L40301	18860
	230/400	3P+N	4	A9L40601	23440
iPRD65r	230	1P	1	A9L65101	7650
	230	1P+N	2	A9L65501	16030
	230/400	3P	3	A9L65301	20925
	230/400	3P+N	4	A9L65601	27155

### Spare Cartri\_DGes for iPRD



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

Type	Spare cartri_DGes for	Reference	Unit LP
iPRD 65-350	iPRD65r	A9L65102	4790
iPRD 40-350	iPRD40, iPRD40r	A9L40102	3685
iPRD 20-350	iPRD20, iPRD20r	A9L20102	2945
iPRD 8-350	iPRD8, iPRD8r	A9L08102	2580
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	3875

\*\*Spare Cartri\_DGes for Old SPD Range (A9L16...) are available on demand - please contact nearest Schneider Electric Sales Office or Customer Care for Reference and prices  
Note: For all above Reference MOQ = 1

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

### 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 cartri\_DGes 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	Poles Discription	Module Width 18mm/module	Reference	Unit LP [₹]
iQuick PRD 8r	1P+N	4	A9L16298	9725
	3P	6.5	A9L16299	14295
	3P+N	7.5	A9L16300	17790
iQuick PRD 20r	1P+N	4	A9L16295	11670
	3P	6.5	A9L16296	17155
	3P+N	7.5	A9L16297	21345
Quick PRD 40r	1P+N	4	A9L16292	13625
	3P	6.5	A9L16293	20420
	3P+N	7.5	A9L16294	25385

Note: Spare / Replacement Cartri\_DGes 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 cartri\_DGes 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	7805
	1000	3	A9L40281	8915

Note: Spare / Replacement Cartri\_DGes 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	13455
PRC	130 V AC	1	A9L16337	8235

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

### 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 MRP ₹
2	40	2	6	A9S2P040	490
	63	2	6	A9S2P063	650
	80	2	6	A9S2P080	770
	100	2	6	A9S2P100	1115
	125	2	6	A9S2P125	1150
3	40	3	4	A9S3P040	855
	63	3	4	A9S3P063	1000
4	40	4	3	A9S4P040	1085
	63	4	3	A9S4P063	1185
	80	4	3	A9S4P080	1665
	100	4	3	A9S4P100	1680
	125	4	3	A9S4P125	1785

### 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 MRP ₹
2	1	1 C/O	1	12	A9E18070	945
	2	2 C/O	2	6	A9E18071	1305
		1NO + 1NC	1	12	A9E18072	760
3	1	1 C/O	1	12	A9E18073	930
	2	2 C/O	2	6	A9E18074	1575

### 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	370
8..12V AC	1	A9A15323	310

### 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	1550
	16	2NO	1	A9C22712	1595
2P	25	2NO	1	A9C20732	1905
	40	2NO	2	A9C20842	3265
	63	2NO	2	A9C20862	4170
3P	25	3NO	2	A9C20833	2420
	40	3NO	2	A9C20843	5460
	63	3NO	3	A9C20863	5940
4P	25	4NO	2	A9C20834	2570
	40	4NO	2	A9C20844	5570
	63	4NO	3	A9C20864	6720
	63	2NO + 2NC	3	A9C20868	6720

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	1000
	32	230-240 VAC	1NO	1	A9C30831	1255
2P	16	230-240 VAC	2NO	1	A9C30812	1645
	32	230-240 VAC	2NO	1	A9C30831 + A9C32836	3910
3P	16	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30811 + A9C32816	3130
	32	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30831 + 2 x A9C32836	6565
4P	16	230-240 VAC	4NO	2	A9C30814	3415
	32	230-240 VAC	4NO	2	A9C30831 + 3 x A9C32836	9220

### 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	1025
	Green	1	A9E18321	1025
	Blue	1	A9E18323	1025
	Orange	1	A9E18324	1025
3 phase voltage presence light	Red/Red/Red	1	A9E18327	2290
Single Push Button (1 NO+ 1NC)	Grey	1	A9E18033	1525

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## Wander Plugs



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP
<b>PratiKa Screw</b>				
<b>IP44</b>				
16	200...250	2P + E	PKE16M423	350
	380...415	3P + E	PKE16M434	445
		3P + N + E	PKE16M435	465
32	200...250	2P + E	PKE32M423	555
	380...415	3P + E	PKE32M434	640
		3P + N + E	PKE32M435	645
<b>IP67</b>				
16	200...250	2P + E	PKE16M723	770
	380...415	3P + E	PKE16M734	870
		3P + N + E	PKE16M735	930
32	200...250	2P + E	PKE32M723	1095
	380...415	3P + E	PKE32M734	1175
		3P + N + E	PKE32M735	1185
<b>PK (63A &amp; 125A available in IP67 only)</b>				
63	200...250	2P + E	81378	3105
	380...415	3P + E	81382	2955
		3P + N + E	81383	2960
125	200...250	2P + E	81390	7920
	380...415	3P + E	81394	9050
		3P + N + E	81395	9050

## Small Wall Mounted Sockets



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP
<b>IP44</b>				
16	200...250	2P + E	PKF16W423	620
	380...415	3P + E	PKF16W434	715
		3P + N + E	PKF16W435	785
32	200...250	2P + E	PKF32W423	805
	380...415	3P + E	PKF32W434	970
		3P + N + E	PKF32W435	1020
<b>IP67</b>				
16	200...250	2P + E	PKF16W723	985
	380...415	3P + E	PKF16W734	1230
		3P + N + E	PKF16W735	1275
32	200...250	2P + E	PKF32W723	1225
	380...415	3P + E	PKF32W734	1790
		3P + N + E	PKF32W735	2380

Note: For all above Reference MOQ = 1

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



Wall Mounted Sockets



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP
63	200...250	2P + E	81178	3820
	380...415	3P + E	81182	3930
		3P + N + E	81183	3990
125	200...250	2P + E	81190	13655
	380...415	3P + E	81194	13780
		3P + N + E	81195	13850

Wander Sockets



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP
<b>PratiKa Screw</b>				
<b>IP44</b>				
16	200...250	2P + E	PKF16M423 <input checked="" type="checkbox"/>	485
	380...415	3P + E	PKF16M434	565
		3P + N + E	PKF16M435	615
32	200...250	2P + E	PKF32M423 <input checked="" type="checkbox"/>	670
	380...415	3P + E	PKF32M434	815
		3P + N + E	PKF32M435 <input checked="" type="checkbox"/>	820
<b>IP67</b>				
16	200...250	2P + E	PKF16M723	900
	380...415	3P + E	PKF16M734	1135
		3P + N + E	PKF16M735	1185
32	200...250	2P + E	PKF32M723	1245
	380...415	3P + E	PKF32M734	1375
		3P + N + E	PKF32M735	1390
<b>PK (63A &amp; 125A available in IP67 only)</b>				
63	200...250	2P + E	81478	3375
	380...415	3P + E	81482	3410
		3P + N + E	81483	3460
125	200...250	2P + E	81490	10645
	380...415	3P + E	81494	10665
		3P + N + E	81495	10875

Also Available on Request:

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

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

Note: For all above Reference MOQ = 1

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## Panel Mounted Sockets - Angled



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP
PratiKa Screw				
IP44				
16	200...250	2P + E	PKF16F423	375
	380...415	3P + E	PKF16F434	565
		3P + N + E	PKF16F435	600
32	200...250	2P + E	PKF32F423	670
	380...415	3P + E	PKF32F434	780
			3P + N + E	PKF32F435
IP67				
16	200...250	2P + E	PKF16F723	710
	380...415	3P + E	PKF16F734	810
			3P + N + E	PKF16F735
32	200...250	2P + E	PKF32F723	925
	380...415	3P + E	PKF32F734	1085
			3P + N + E	PKF32F735
PK (63A & 125A available in IP67 only)				
63	200...250	2P + E	81278	3050
	380...415	3P + E	81282	3045
			3P + N + E	81283
125	200...250	2P + E	81290	10030
	380...415	3P + E	81294	10290
			3P + N + E	81295

## Panel Mounted Sockets - Straight



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP
PratiKa Screw				
IP44				
16	200...250	2P + E	PKF16G423	425
	380...415	3P + E	PKF16G434	615
			3P + N + E	PKF16G435
32	200...250	2P + E	PKF32G423	680
	380...415	3P + E	PKF32G434	785
			3P + N + E	PKF32G435
IP67				
16	200...250	2P + E	PKF16G723	715
	380...415	3P + E	PKF16G734	810
			3P + N + E	PKF16G735
32	200...250	2P + E	PKF32G723	910
	380...415	3P + E	PKF32G734	1025
			3P + N + E	PKF32G735
PK (63A & 125A available in IP67 only)				
63	200...250	2P + E	81678	3050
	380...415	3P + E	81682	3015
			3P + N + E	81683
125	200...250	2P + E	81690	10030
	380...415	3P + E	81694	10290
			3P + N + E	81695

Note: For all above Reference MOQ = 1  
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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

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

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

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP ₹
<b>IP44</b>				
16	200...250	2P + E	83031	5155
		3P + E	83035	7135
	380...415	3P + N + E	83036	7275
32	200...250	2P + E	83042 <input checked="" type="checkbox"/>	6690
		3P + E	83046	7800
	380...415	3P + N + E	83047	7885
<b>IP65</b>				
16	200...250	2P + E	83081	5330
		3P + E	83085	7345
	380...415	3P + N + E	83086	7495
32	200...250	2P + E	83092	6990
		3P + E	83096	8395
	380...415	3P + N + E	83097	8395

**Socket with Interlock Switch & DIN Rail Isoblock (4.5 modules)**

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP ₹
16	200...250	2P + E	82754 <input checked="" type="checkbox"/>	6390
		3P + E	82758	7785
	380...415	3P + N + E	82759	8045
32	200...250	2P + E	83791 <input checked="" type="checkbox"/>	7565
		3P + E	83795	8955
	380...415	3P + N + E	83796	9015

**Socket with Interlock Switch & DIN Rail Isoblock (6 modules)**

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP ₹
32	200...250	2P + E	82766	9985
		3P + E	82770	11705
	380...415	3P + N + E	82771	12060
63	380...415	3P + E	82782	13455
		3P + N + E	82783	13495

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

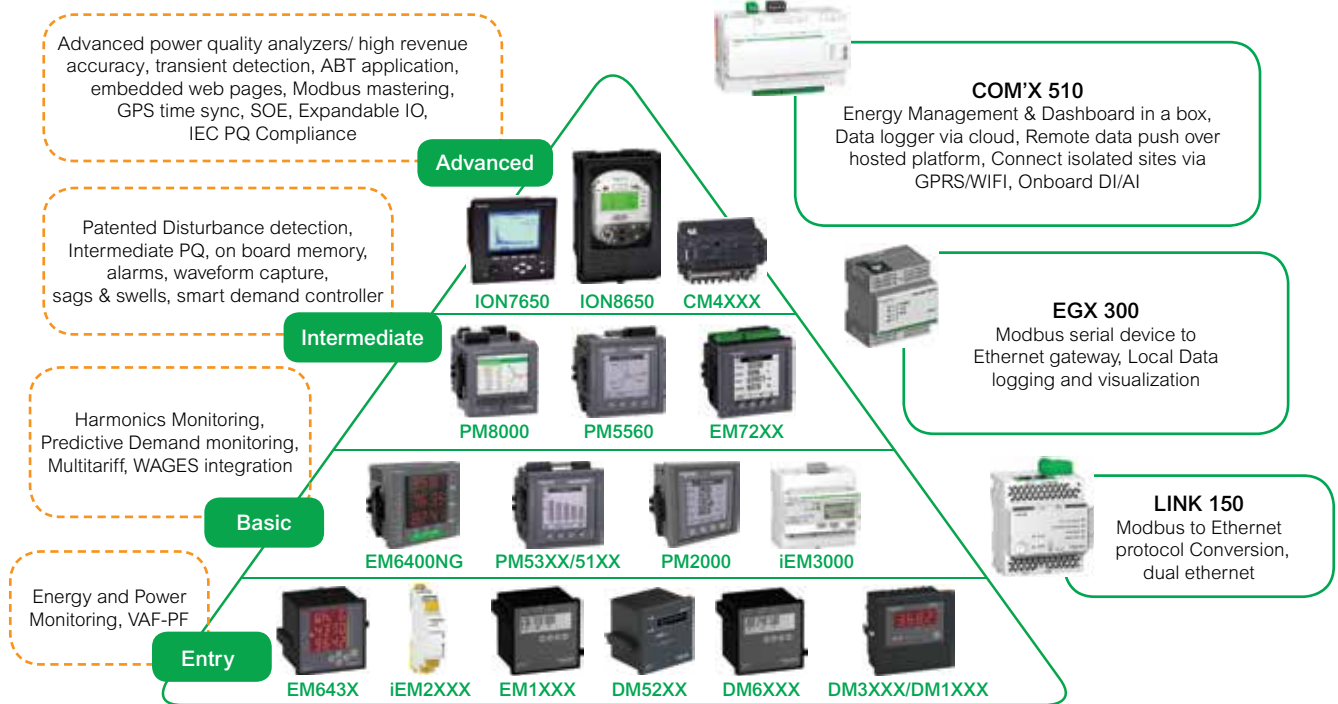


Optimized energy management here



Sustainable operational Environment here

## Discover Our Power Monitoring Solutions



### Energy management solutions for cost optimized and sustainable business operations.

In a competitive business ecosystem, energy management plays a crucial role in ensuring that your business practices are cost-effective and compliant with growing energy regulations. To that effect, our energy management software, Power Monitoring Expert, plays the vital role of making facilities compliant with ISO 50001 standards. As a result, your business benefits from financial incentives, cost optimization to support all sustainability initiatives.



Power Monitoring Expert (PME)

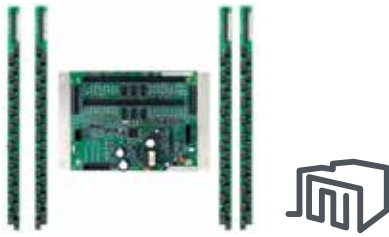
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Tailored Offers for Specific Applications and Segments

## Branch Circuit Power Monitor



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

## BCPM

\*Price on Request

### The BCPM Provides DataCenter Managers with Information to

**Maximize uptime and avoid outages** through advanced alarming capabilities

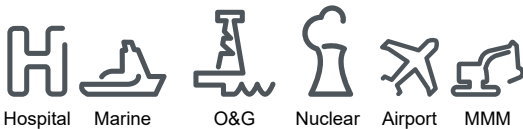
- > Set sensitivity parameters so an alarm is triggered when current approaches any breaker limit
- > Alarms distinguish between past events and alarm states that are still occurring
- > Analyze the alarm history to assess areas that may need additional capacity to prevent issues

**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



Hospital Marine O&G Nuclear Airport MMM

## 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

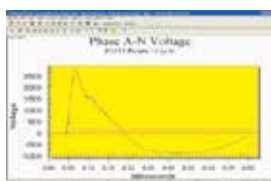
Level 3 : feeder measurement + communication

**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

## 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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# High Accuracy, Specialized Solutions - for MV/LV Distribution



## 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



Utility/ABT meter



8650

## 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.

## 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



NEW

## PowerLogic™ Additional Offers

\*Price on Request



Portable CT's with RS485



CT's



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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# High Accuracy, Compact, Power Meters - for HV/MV/LV Distribution



Residential



Industry



Building



Datacentre

## 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)
- > **WAGES Monitoring** (PM53xx, PM55xx)
- > **Logging** memory (PM53xx, PM5560)
- > **Peak demand** with time stamping D/T for current and powers (PM53xx, PM5560)
- > **Import / Export** measurement, also called as 4 – quadrant measurement (All models)
- > **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	Cl0.2S, 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	58100
PM 5340	Class 0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003007D	34690
PM 5320	Class 0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003005D	32333
PM 5330	Class 0.5S, RS485 Port, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003006D	28209
PM 5310	Class 0.5S, RS485 Port, 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003003D	26795

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# High Accuracy, Specialized Solutions- for MV/LV Distribution



## 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	50994
EM 7280	Demand Controller CI0.5S with RS485 Port	30002198	39780
EM 7230	Demand Controller CI1 with RS485 Port	30002055	36720

\* Class 0.2S compliance available in 3ph,4w system



## 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
  - 12am Snapshot – Snapshot of Avg Volt, Avg Amp, Total active power & energy delivered as measured by the meter at 12am 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 CO2 and energy rate counters, Data logging	METSEPM2230D	24025
PM2220	PM2220, LCD, RS485, Accuracy CI 1, 15th Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters	METSEPM2220D	22102
PM2210	PM2210, LCD, Pulse Output, Accuracy CI 1, 12am snap shot, kg CO2 and energy rate counters	METSEPM2210D	16201
PM2130	PM2130, LED, RS485, Accuracy CI0.5S, Ind. Harmonics up to 31st over communication, data logging	METSEPM2130D	23011
PM2K2DIDO*	Optional Digital IO card - 2 channel DI & DO for PM2000 Series	METSEPM2KDGT-LIO22D	2700
PM2K1AIAO*	Optional Analog IO card - 1 channel AI & AO for PM2000 Series	METSEPM2KANGIO11D	3200
PM2K2AIAO*	Optional Analog IO card - 2 channel AI & AO for PM2000 Series	METSEPM2KANGIO22D	3900

\* Optional IO modules can be used for PM2230 & PM2130 models only. Maximum upto 1 module can be used per device at a time.

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



# DIN Rail Mount Meters - Accurate, Flexible Power Meters

Schneider Electric's new DIN rail mount meters are compact, versatile, high performance devices that conform to exacting IEC standards with the added benefits of being i. Easy to install ii. Easy to modify and iii. Easy to maintain



## 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	15976
PM 3210	Din rail Power meter pulse	METSEPM3210	14560



iEM31xx: 63A direct connect - CI1.0  
iEM32xx: 1A / 5A CT connect - CI0.5S  
iEM33xx: 125A direct connect - CI1.0



iEM2010

## PowerLogic™ iEM3000 Series Class Meters - LV Distribution

iEM3110  
iEM3210  
iEM3310

- > 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

iEM3150  
iEM3250  
iEM3350

- > Modbus
- > Total kWh
- > Partial kWh + date and time of last reset
- > Self powered
- > By communication: kWh, A, V, kW, PF

iEM3165, 3175  
iEM32765, 3175  
iEM3355

- > Modbus
- > Total kWh, kVAr
- > Four quadrant
- > Partial kWh+ date and time of last reset
- > By communication: kWh, kVArh, 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	20951
iEM33xx	Three Phase, 125A Direct Current, BACnet	A9MEM3365	19470
iEM33xx	Three Phase, 125A Direct Current, Modbus	A9MEM3350	16567
iEM33xx	Three Phase, 125A Direct Current, PulseO/P	A9MEM3310	15630

## 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	16876	A9MEM3165	16374
iEM 3x55	A9MEM3255	11830	A9MEM3155	13069
iEM 3x50	A9MEM3250	11093	A9MEM3150	12335
iEM 3x10	A9MEM3210	10161	A9MEM3110	11292

## 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	5165

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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Ethernet Communication Gateways and Meters



PM5560



ECC21

From a single building, to a multi-site enterprise, the Schneider Electric gateways provides fast, reliable Ethernet connectivity in the most demanding applications: Energy management, Power distribution, Building automation & Factory automation






PM8000

## 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
ECC21	PowerLogic High Speed Ethernet card for CM4000T series	ECC21	80527
PM 5560	Two Ethernet ports with single IP, Class 0.2S, Web dashboard	30003008D	58100
PM 5340	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs, 2 Relays	30003007D	34690
PM 5320	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs	30003005D	32333

## Ethernet Communication Gateway Server / Converters

Com'X 510 Gateway Server	EGX300 – Gateway Device	LINK150 Protocol Converter
 <ul style="list-style-type: none"> <li>&gt; Dual Ethernet</li> <li>&gt; Onboard storage</li> <li>&gt; Wireless WiFi / GPRS Support</li> <li>&gt; Cloud hosted platform</li> <li>&gt; Local and Customized Web pages with trending and dashboard visualization</li> <li>&gt; Modbus Gateway</li> <li>&gt; On-Board 6 DI, 2 AI</li> </ul>	 <ul style="list-style-type: none"> <li>&gt; 1 Ethernet port (10/100 Base T)</li> <li>&gt; Inbuilt web dashboard</li> <li>&gt; Custom web page Support</li> <li>&gt; Real-time trending</li> <li>&gt; Device discovery</li> <li>&gt; TCP/IP, SNMP, SNTIP, SMTP protocol</li> <li>&gt; Aux Supply 24 V DC</li> </ul>	 <ul style="list-style-type: none"> <li>&gt; Protocol Converter from Modbus RS485 to TCP/IP</li> <li>&gt; Two (2) Ethernet ports for daisy chain Ethernet</li> <li>&gt; Setup through built-in web pages</li> <li>&gt; HTTP, HTTPS, FTP, SMTP, IPV6 Support</li> <li>&gt; 24V DC and/ or POE power supply</li> </ul>

Product	Description	Reference	Unit LP [₹]
Com'X510	Energy Gateway Server – EMS in a BOX	EBX510	46094
EGX300	Gateway Server	30002885	30545
Link150	Protocol Converter	EGX150	29469
Wi-fi USB Stick	Wi-fi USB stick for Com'X	EBXA-USB-WiFi	3955
GPRS	GPRS modem without SIM for Com'X	EBXA-GPRS	5440
GPRS Antenna	External GPRS antenna for Com'X	EBXA-ANT-5M	3223

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# India's Most Trusted, Reliable and Accurate Multifunction Meters



## 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 0.2 , RS485 port	METSEEM6400NGRSC2	27566
EM6400NG	Class accuracy 0.5S , RS485 port	METSEEM6400NGRSC5	23028
EM6400NG	Class accuracy 1 , RS485 port	METSEEM6400NGRSC1	18176 <input checked="" type="checkbox"/>
EM6400NG	Class accuracy 0.5S , POP	METSEEM6400NGPOCL5	15745
EM6400NG	Class accuracy 1 , POP	METSEEM6400NGPOCL1	14255 <input checked="" type="checkbox"/>

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	METSEEM6400NGRSC1
30002012	METSEEM6400NGRSC1
30002077	METSEEM6400NGRSC1
30002078	METSEEM6400NGRSC1
30002246	METSEEM6400NGRSC1
30002027	METSEEM6400NGRSC2
30002066	METSEEM6400NGRSC2
30002089	METSEEM6400NGRSC2
30002097	METSEEM6400NGRSC2
30002101	METSEEM6400NGRSC2
30002102	METSEEM6400NGRSC2
30002104	METSEEM6400NGRSC2
30002106	METSEEM6400NGRSC2
30002109	METSEEM6400NGRSC2
30002257	METSEEM6400NGRSC2
30002347	METSEEM6400NGRSC2
30002911	METSEEM6400NGRSC2

Old EM6400 Reference	Equivalent EM6400NG Reference
30002912	METSEEM6400NGRSC2
30002913	METSEEM6400NGRSC2
30002914	METSEEM6400NGRSC2
30002915	METSEEM6400NGRSC2
30002916	METSEEM6400NGRSC2
30002917	METSEEM6400NGRSC2
30002918	METSEEM6400NGRSC2
30002919	METSEEM6400NGRSC2
30002920	METSEEM6400NGRSC2
30002921	METSEEM6400NGRSC2
30002922	METSEEM6400NGRSC2
30002923	METSEEM6400NGRSC2
30002924	METSEEM6400NGRSC2
30002925	METSEEM6400NGRSC2
30002001	METSEEM6400NGRSC5
30002019	METSEEM6400NGRSC5
30002036	METSEEM6400NGRSC5
30002040	METSEEM6400NGRSC5
30002041	METSEEM6400NGRSC5
30002042	METSEEM6400NGRSC5
30002051	METSEEM6400NGRSC5
30002056	METSEEM6400NGRSC5
30002057	METSEEM6400NGRSC5
30002069	METSEEM6400NGRSC5
30002082	METSEEM6400NGRSC5
30002083	METSEEM6400NGRSC5

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# India's Most Trusted, Reliable and Accurate Multifunction Meters



India's No. 1 selling panel meter that pioneered communication and power quality measurements - EM6436 - Load Monitor

## EM 6436 - Entry-level Multi Function Meter - Load Monitor

- > Accuracy CI1.0, CI0.5, CI0.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Volts, Amps, F, PF, W/VA, Wh /VAh, Runhrs, Onhrs & Interrupts

Product	Description	Reference	Unit LP [₹]
EM6436	EM6436 1A 0.2 RS	30002931	16583
EM6436	EM6436 5A 0.2 RS	30002933	16583
EM6436	EM6436 1A 0.2	30002206	14429
EM6436	EM6436 5A 0.5S RS	30002205	12485
EM6436	EM6436 0.5 RS	30002015	11853
EM6436	EM6436 5A 0.5S	30002204	11069
EM6436	EM6436 0.5	30002201	10678
EM6436	EM6436 1.0 RS	30001999	10357
EM6436	EM6436 1.0	30001994	8829



## EM 6434 - Power & Energy Meter

- > Accuracy CI1.0, CI0.5
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Amps, W/VA, Wh /VAh, Onhrs & Interrupts

Product	Description	Reference	Unit LP [₹]
EM6434	EM6434 5A 0.5S RS	30002199	13529
EM6434	EM6434 0.5 RS	30002033	12941
EM6434	EM6434 1.0 RS	30002017	10618



## EM 6433 - Energy Meter

- > Accuracy CI1.0, CI0.5, CI0.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Amps, W/VA, Wh /VAh, Runhrs, Onhrs & Interrupts

Product	Description	Reference	Unit LP [₹]
EM6433	EM6433 1A 0.5S RS	30002336	7217
EM6433	EM6433 5A 0.5S RS	30002436	7217
EM6433	EM6433 0.5 RS	30002000	7192
EM6433	EM6433 1.0 RS	30002016	6882



## EM6459 Series - VAF, PF Meters

- > Accuracy CI1.0, CI0.5, CI0.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Amps, Volts, Freq, PF, RPM, %Load, %Unbal, Amp phase angle

Product	Description	Reference	Unit LP [₹]
EM6459	EM6459 1A 0.5S RS	30002223	8343
EM6459	EM6459 5A 0.5S	30002224	6491
EM6459	EM6459 1A 0.5S	30002222	6437
EM6459	EM6459 0.5 RS	30002221	8262
EM6459	EM6459 0.5	30002220	6207
EM6459	EM6459 1.0 RS	30001804	7556
EM6459	EM6459 1.0	30002008	5537

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## Dual Source Meters - Energy & Entry Level Multi Function



The EM 6436Dual Source and the dedicated Dual Source 6438

### EM 6436Dual – Dual Source Entry Level Multi Function Meter

- > Accuracy C11.0, C10.5, C10.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - EB & DG side Power & Energy parameters, Volts, Amps, F, PF, OnHrs, Runhrs & Optional Demand parameters

Product	Description	Reference	Unit LP [₹]
EM6436	EM6436dual DM 0.5 RS	30002438	21378
EM6436	EM6436dual 0.5 RS	30002278	17247
EM6436	EM6436dual DM 1.0 RS	30002351	19307
EM6436	EM6436dual 1.0 RS	30002277	15598
EM6436	EM6436dual 1.0	30002306	12508



### EM 6438 – Dual Source Energy Meter

- > Accuracy C11.0, C10.5
- > Aux Supply - 44-300Vac/dc
- > Parameters - EB & DG side Power & Energy parameters, Runhrs, OnHrs & Optional Demand parameters

Product	Description	Reference	Unit LP [₹]
EM6438	EM6438 DM 0.5 RS	30002437	13362
EM6438	EM6438 0.5 RS	30002269	7732
EM6438	EM6438 DM 1.0 RS	30002305	11756
EM6438	EM6438 1.0 RS	30002026	7176

## Specialized Small Form Factor Meters - ELF Series



### ELF32xx Series - VAF, Power & Energy Meters

- > Accuracy C11.0, C10.5
- > 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 - WVA/VAr & PF

Product	Description	Reference	Unit LP [₹]
ELF3234-3	ELF3234-3 0.5	30000619	6727
ELF3234	ELF3234 0.5	30000621	5757
ELF3259	ELF3259 0.5	30000620	2889
ELF3234-3	ELF3234-3 1.0	30000409	5373
ELF3234	ELF3234 1.0	30000859	4604
ELF3259	ELF3259 1.0	30000860	2304

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Specialized Counter Energy Meters- Conzerv™ DM52xx



## \*Conzerv™ DM52xx

- > Accuracy C11.0, C10.5, C10.2
- > Pulse output – for effective WAGES tracking on EMS systems
- > 3P4W & 3P3W wiring options

Product	Description		Unit LP [₹]
DM5240	Energy Meter 3P4W 1.0 POP	☑	4448
DM5240	Energy Meter 3P4W 0.5 POP		5275
DM5230	Energy Meter 3P3W 1.0 POP		4080
DM5230	Energy Meter 3P3W 0.5 POP		4896

\*Reference code based on detailed specification, please check with local Representative

## LCD Display Energy Meters & VAF+PF Meters



High durability, sleek LCD display energy & VAF+PF meters

### EM1000 / EM1200 Series

- > Accuracy C10.5, C11.0
- > **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 0.5 RS	30002572		4668
EM1000	EM1000 0.5 POP	30002571		4007
EM1200	EM1200 1.0 RS	30002565	☑	3847
EM1000	EM1000 1.0 POP	30002568	☑	3168



### DM 6100 Series – VAF, PF Meters

- > Accuracy C10.5, C11.0
- > **DM6100** - VAF, PF meter
- > **DM6300** - VAF, PF meter with RS 485 port

Product	Description	Reference		Unit LP [₹]
DM6300	DM6300 0.5 RS	30002570		3810
DM6100	DM6100 0.5	30002569		3007
DM6300	DM6300 1.0 RS	30002566		3628
DM6100	DM6100 1.0	30002567	☑	2864

## CE compliance- Volt/Amp/ frequency meter



### 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 0.5	METSEDM3210		2573
DM3110	Three phase Ammeter 0.5	METSEDM3110		2573
DM1210	Single phase Voltmeter 0.5	METSEDM1210		1746
DM1110	Single phase Ammeter 0.5	METSEDM1110		1746
DM1310	Frequency meter 0.2	METSEDM1310		1329

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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Just the Basics - Voltage / Ampere / Frequency Meters



## Conzerv™ DM3000 / DM1000

### Accuracy

- > Volts & Amps - Cl 0.5/Cl1.0
- > 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 0.5	30002462	☑	2196
DM3110	Three phase Ammeter 0.5	30002461	☑	2196
DM3210	Three phase Voltmeter 1.0	30002386	☑	1754
DM3110	Three phase Ammeter 1.0	30002385	☑	1754
DM1210	Single phase Voltmeter 0.5	30002460	☑	1487
DM1110	Single phase Ammeter 0.5	30002459	☑	1487
DM1210	Single phase Voltmeter 1.0	30002366	☑	1103
DM1110	Single phase Ammeter 1.0	30002365	☑	1103
DM1310	Single phase Frequency 0.2	30002367	☑	1103

## Accessories for Power Monitoring

Description	Reference	Unit LP [₹]
Adaptor Plate 144X144 mm	30000089	76
ELF adaptor plate	30001808	35
DM52XX Tamper protection kit - Set of 36 nos in 01 KIT	METSEDM5240TK	922

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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Power Factor Correction Products



## Can (Cylindrical) Type 440V Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit LP
<b>EasyCan (S Duty) 440V Range</b>				
MPP - Standard Duty Can 3Ph 1kVAr 440V 50Hz	1	3	MEHVCSDY010A44	455
MPP - Standard Duty Can 3Ph 2kVAr 440V 50Hz	2	3	MEHVCSDY020A44 <input checked="" type="checkbox"/>	634
MPP - Standard Duty Can 3Ph 3kVAr 440V 50Hz	3	3	MEHVCSDY030A44 <input checked="" type="checkbox"/>	951
MPP - Standard Duty Can 3Ph 4kVAr 440V 50Hz	4	3	MEHVCSDY040A44 <input checked="" type="checkbox"/>	1268
MPP - Standard Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCSDY050A44 <input checked="" type="checkbox"/>	1256
MPP - Standard Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCSDY075A44	1885
MPP - Standard Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCSDY100A44 <input checked="" type="checkbox"/>	2204
MPP - Standard Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCSDY125A44 <input checked="" type="checkbox"/>	2755
MPP - Standard Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCSDY150A44 <input checked="" type="checkbox"/>	3305
MPP - Standard Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCSDY200A44 <input checked="" type="checkbox"/>	4406
MPP - Standard Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCSDY250A44 <input checked="" type="checkbox"/>	5509
<b>VarPlus Can (H Duty) 440V Range</b>				
MPP - Heavy Duty Can 3Ph 1kVAr 440V 50Hz	1	3	MEHVCHDY010A44	607
MPP - Heavy Duty Can 3Ph 2kVAr 440V 50Hz	2	3	MEHVCHDY020A44 <input checked="" type="checkbox"/>	952
MPP - Heavy Duty Can 3Ph 3kVAr 440V 50Hz	3	3	MEHVCHDY030A44 <input checked="" type="checkbox"/>	1428
MPP - Heavy Duty Can 3Ph 4kVAr 440V 50Hz	4	3	MEHVCHDY040A44 <input checked="" type="checkbox"/>	1903
MPP - Heavy Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCHDY050A44 <input checked="" type="checkbox"/>	2004
MPP - Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCHDY075A44	3007
MPP - Heavy Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCHDY100A44 <input checked="" type="checkbox"/>	3761
MPP - Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCHDY125A44 <input checked="" type="checkbox"/>	4702
MPP - Heavy Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCHDY150A44 <input checked="" type="checkbox"/>	5641
MPP - Heavy Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCHDY200A44 <input checked="" type="checkbox"/>	7521
MPP - Heavy Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCHDY250A44 <input checked="" type="checkbox"/>	9400
MPP - Heavy Duty Can 3Ph 30kVAr 440V 50Hz	30	1	MEHVCHDY300A44	11281
MPP - Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00)	40	1	MEHVCHDY400A44	14655
MPP - Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00)	50	1	MEHVCHDY500A44	18318
<b>VarPlus Can (GH Duty) 440V Range</b>				
MPP - Gas Heavy Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCGSF050A44 <input checked="" type="checkbox"/>	2139
MPP - Gas Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCGSF075A44	3204
MPP - Gas Heavy Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCGSF100A44 <input checked="" type="checkbox"/>	3952
MPP - Gas Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCGSF125A44 <input checked="" type="checkbox"/>	4938
MPP - Gas Heavy Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCGSF150A44 <input checked="" type="checkbox"/>	5925
MPP - Gas Heavy Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCGSF200A44 <input checked="" type="checkbox"/>	7901
MPP - Gas Heavy Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCGSF250A44 <input checked="" type="checkbox"/>	9876
MPP - Gas Heavy Duty Can 3Ph 30kVAr 440V 50Hz	30	1	MEHVCGSF300A44	11844
MPP - Gas Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00)	40	1	MEHVCGSF400A44	15333
MPP - Gas Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00)	50	1	MEHVCGSF500A44	19165

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



# Power Factor Correction Products



## Box (Square) Type 440V Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit LP 
<b>VarPlus Box S Duty 440V Range</b>				
MPP - Standard Duty Box 3ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBSDY075A44	2503
MPP - Standard Duty Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBSDY100A44 <input checked="" type="checkbox"/>	3218
MPP - Standard Duty Box 3ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBSDY125A44	4022
MPP - Standard Duty Box 3ph 15kVAr 440V 50Hz	15	1	MEHVBSDY150A44	4825
MPP - Standard Duty Box 3ph 20kVAr 440V 50Hz	20	1	MEHVBSDY200A44 <input checked="" type="checkbox"/>	6434
MPP - Standard Duty Box 3ph 25kVAr 440V 50Hz	25	1	MEHVBSDY250A44 <input checked="" type="checkbox"/>	8042
MPP - Standard Duty Box 3ph 30kVAr 440V 50Hz	30	1	MEHVBSDY300A44	10305
MPP - Standard Duty Box 3ph 50kVAr 440V 50Hz(single unit)	50	1	MEHVBSDY500A44	17175
<b>VarPlus Box H Duty 440V Range</b>				
MPP - Heavy Duty Box 3Ph 5kVAr 440V 50Hz	5	1	MEHVBHDY050A44 <input checked="" type="checkbox"/>	2632
MPP - Heavy Duty Box 3Ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBHDY075A44	3944
MPP - Heavy Duty Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBHDY100A44 <input checked="" type="checkbox"/>	4493
MPP - Heavy Duty Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBHDY125A44 <input checked="" type="checkbox"/>	5625
MPP - Heavy Duty Box 3Ph 15kVAr 440V 50Hz	15	1	MEHVBHDY150A44 <input checked="" type="checkbox"/>	6750
MPP - Heavy Duty Box 3Ph 20kVAr 440V 50Hz	20	1	MEHVBHDY200A44 <input checked="" type="checkbox"/>	8998
MPP - Heavy Duty Box 3Ph 25kVAr 440V 50Hz	25	1	MEHVBHDY250A44 <input checked="" type="checkbox"/>	11248
MPP - Heavy Duty Box 3Ph 30kVAr 440V 50Hz	30	1	MEHVBHDY300A44	13498
MPP - Heavy Duty Box 3Ph 50kVAr 440V 50Hz (single unit)	50	1	MEHVBHDY500A44	23231
<b>VarPlus Box Energy (MD-XL) 440V Range</b>				
Energy - MD-XL Box 3Ph 5kVAr 440V 50 Hz	5	1	MEHVBENY050A44 <input checked="" type="checkbox"/>	4160
Energy - MD-XL Box 3Ph 7.5kVAr 440V 50 Hz	7.5	1	MEHVBENY075A44	6237
Energy - MD-XL Box 3Ph 10kVAr 440V 50 Hz	10	1	MEHVBENY100A44 <input checked="" type="checkbox"/>	7940
Energy - MD-XL Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBENY125A44	9931
Energy - MD-XL Box 3Ph 15kVAr 440V 50 Hz	15	1	MEHVBENY150A44 <input checked="" type="checkbox"/>	11898
Energy - MD-XL Box 3Ph 20kVAr 440V 50 Hz	20	1	MEHVBENY200A44 <input checked="" type="checkbox"/>	15864
Energy - MD-XL Box 3Ph 25kVAr 440V 50 Hz	25	1	MEHVBENY250A44 <input checked="" type="checkbox"/>	19861
Energy - MD-XL Box 3Ph 30kVAr 440V 50 Hz	30	1	MEHVBENY300A44	23820
Energy - MD-XL Box 3Ph 50kVAr 440V 50 Hz(Single unit)	50	1	MEHVBENY500A44	40444
<b>VarPlus Box APP 440V Range</b>				
APP - Box 3Ph 5kVAr 440V 50Hz	5	1	MEHVBAPP050A44 <input checked="" type="checkbox"/>	3825
APP - Box 3Ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBAPP075A44	5738
APP - Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBAPP100A44 <input checked="" type="checkbox"/>	6712
APP - Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBAPP125A44	8391
APP - Box 3Ph 15kVAr 440V 50Hz	15	1	MEHVBAPP150A44 <input checked="" type="checkbox"/>	10069
APP - Box 3Ph 20kVAr 440V 50Hz	20	1	MEHVBAPP200A44 <input checked="" type="checkbox"/>	13426
APP - Box 3Ph 25kVAr 440V 50Hz	25	1	MEHVBAPP250A44 <input checked="" type="checkbox"/>	16782
APP - Box 3Ph 30kVAr 440V 50Hz	30	1	MEHVBAPP300A44	20175
APP - Box 3Ph 50kVAr 440V 50Hz (Bank 25kVAr x 2 nos)	50	1	MEHVBAPP500A44	37412

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

NORMAL STOCK ITEMS

WE.F. December 29, 2016

# Power Factor Correction Products



## Detuned Filter Application Capacitors

Description	kVArRating	Minimum Ordering Quantity (No.)	Reference	Unit LP
<b>* Capacitors for 7%/5.7% , 440V Detuned Filter Application</b>				
<b>VarPlus Can (H Duty) 480V Range</b>				
MPP - Heavy Duty Can 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVCHDY056A48 <input checked="" type="checkbox"/>	2244
MPP - Heavy Duty Can 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVCHDY067A48	2684
MPP - Heavy Duty Can 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVCHDY113A48 <input checked="" type="checkbox"/>	4245
MPP - Heavy Duty Can 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVCHDY125A48	4696
MPP - Heavy Duty Can 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVCHDY144A48 <input checked="" type="checkbox"/>	5414
MPP - Heavy Duty Can 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVCHDY155A48	5827
MPP - Heavy Duty Can 3Ph 17kVAr 480V 50Hz	17	1	MEHVCHDY170A48 <input checked="" type="checkbox"/>	6393
MPP - Heavy Duty Can 3Ph 19kVAr 480V 50Hz	19	1	MEHVCHDY190A48	7145
MPP - Heavy Duty Can 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVCHDY224A48 <input checked="" type="checkbox"/>	8423
MPP - Heavy Duty Can 3Ph 25kVAr 480V 50Hz	25	1	MEHVCHDY250A48	9401
MPP - Heavy Duty Can 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVCHDY281A48 <input checked="" type="checkbox"/>	10557
MPP - Heavy Duty Can 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVCHDY315A48	11835
<b>VarPlus Can (GH Duty) 480V Range</b>				
MPP - GasHeavy Duty Can 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVGCSF056A48 <input checked="" type="checkbox"/>	2393
MPP - GasHeavy Duty Can 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVGCSF067A48	2863
MPP - GasHeavy Duty Can 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVGCSF113A48 <input checked="" type="checkbox"/>	4461
MPP - GasHeavy Duty Can 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVGCSF125A48	4934
MPP - GasHeavy Duty Can 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVGCSF144A48 <input checked="" type="checkbox"/>	5684
MPP - GasHeavy Duty Can 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVGCSF155A48	6119
MPP - GasHeavy Duty Can 3Ph 17kVAr 480V 50Hz	17	1	MEHVGCSF170A48 <input checked="" type="checkbox"/>	6712
MPP - GasHeavy Duty Can 3Ph 19kVAr 480V 50Hz	19	1	MEHVGCSF190A48	7502
MPP - GasHeavy Duty Can 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVGCSF224A48	8843
MPP - GasHeavy Duty Can 3Ph 25kVAr 480V 50Hz	25	1	MEHVGCSF250A48	9870
MPP - GasHeavy Duty Can 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVGCSF281A48 <input checked="" type="checkbox"/>	11134
MPP - GasHeavy Duty Can 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVGCSF315A48	12482
<b>VarPlus Box H Duty 480V Range</b>				
MPP - Heavy Duty Box 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVBHDY056A48	2946
MPP - Heavy Duty Box 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVBHDY067A48	3524
MPP - Heavy Duty Box 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVBHDY113A48	5083
MPP - Heavy Duty Box 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVBHDY144A48	6478
MPP - Heavy Duty Box 3Ph 17kVAr 480V 50Hz	17	1	MEHVBHDY170A48	7646
MPP - Heavy Duty Box 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVBHDY224A48	10037
MPP - Heavy Duty Box 3Ph 25kVAr 480V 50Hz	25	1	MEHVBHDY250A48	11203
MPP - Heavy Duty Box 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVBHDY281A48	12592
MPP - Heavy Duty Box 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVBHDY315A48	14116
MPP - Heavy Duty Box 3Ph 56.1kVAr 480V 50Hz (Single unit)	56.1	1	MEHVBHDY561A48	26050
<b>VarPlus Box Energy (MD-XL) 480V Range</b>				
Energy - MD-XL Box 3Ph 5.6kVAr 480V 50 Hz	5.6	1	MEHVBENY056A48	4653
Energy - MD-XL Box 3Ph 6.7kVAr 480V 50 Hz	6.7	1	MEHVBENY067A48	5567
Energy - MD-XL Box 3Ph 11.3kVAr 480V 50 Hz	11.3	1	MEHVBENY113A48	8970
Energy - MD-XL Box 3Ph 14.4kVAr 480V 50 Hz	14.4	1	MEHVBENY144A48	11439
Energy - MD-XL Box 3Ph 15.5kVAr 480V 50 Hz	15.5	1	MEHVBENY155A48	12313
Energy - MD-XL Box 3Ph 17kVAr 480V 50 Hz	17	1	MEHVBENY170A48	13505
Energy - MD-XL Box 3Ph 19kVAr 480V 50 Hz	19	1	MEHVBENY190A48	15094
Energy - MD-XL Box 3Ph 22.4kVAr 480V 50 Hz	22.4	1	MEHVBENY224A48	17795
Energy - MD-XL Box 3Ph 25.0kVAr 480V 50 Hz	25	1	MEHVBENY250A48	19868
Energy - MD-XL Box 3Ph 28.1kVAr 480V 50 Hz	28.1	1	MEHVBENY281A48 <input checked="" type="checkbox"/>	22331
Energy - MD-XL Box 3Ph 31.5kVAr 480V 50 Hz	31.5	1	MEHVBENY315A48	25033
Energy - MD-XL Box 3Ph 56.1kVAr 480V 50 Hz (single unit)	56.1	1	MEHVBENY561A48	45344

\* 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


NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Power Factor Correction Products



## Detuned Filter Application Capacitors

Description	kVar Rating	Minimum Ordering Quantity (No.)	Reference	Unit LP 
<b>VarPlus Box APP 480V Range</b>				
APP - Box 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVBAPP056A48	4278
APP - Box 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVBAPP067A48	5118
APP - Box 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVBAPP113A48	7596
APP - Box 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVBAPP125A48	8403
APP - Box 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVBAPP144A48	9680
APP - Box 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVBAPP155A48	10406
APP - Box 3Ph 17kVAr 480V 50Hz	17	1	MEHVBAPP170A48	11442
APP - Box 3Ph 19kVAr 480V 50Hz	19	1	MEHVBAPP190A48	12757
APP - Box 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVBAPP224A48	15075
APP - Box 3Ph 25kVAr 480V 50Hz	25	1	MEHVBAPP250A48	16786
APP - Box 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVBAPP281A48 <input checked="" type="checkbox"/>	18867
APP - Box 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVBAPP315A48	21150
APP - Box 3Ph 56.1kVAr 480V 50Hz (Bank 28.1kVAr x 2nos)	56.1	1	MEHVBAPP561A48	41976
<b>* Capacitors for 7%/ 5.7%/ 14% , 440V Filter Application</b>				
<b>VarPlus Can (H Duty) 525V Range</b>				
MPP - Heavy Duty Can 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVCHDY069A52	2768
MPP - Heavy Duty Can 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVCHDY125A52	4699
MPP - Heavy Duty Can 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVCHDY138A52	5188
MPP - Heavy Duty Can 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVCHDY154A52	5788
MPP - Heavy Duty Can 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVCHDY172A52	6467
MPP - Heavy Duty Can 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVCHDY185A52	6954
MPP - Heavy Duty Can 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVCHDY206A52	7742
MPP - Heavy Duty Can 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVCHDY226A52	8494
MPP - Heavy Duty Can 3Ph 25kVAr 525V 50Hz	25	1	MEHVCHDY250A52	9400
MPP - Heavy Duty Can 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVCHDY275A52	10340
MPP - Heavy Duty Can 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVCHDY306A52	11504
MPP - Heavy Duty Can 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVCHDY331A52 <input checked="" type="checkbox"/>	12492
MPP - Heavy Duty Can 3Ph 34.4kVAr 525V 50Hz	34.4	1	MEHVCHDY344A52	12924
MPP-Heavy Duty Can 3Ph 37.7 kVAr 525V 50Hz	37.7	1	MEHVCHDY377A52	14161
<b>VarPlus Can (GH Duty) 525V Range</b>				
MPP - GasHeavy Duty Can 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVCGSF069A52	2956
MPP - GasHeavy Duty Can 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVCGSF125A52	4951
MPP - GasHeavy Duty Can 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVCGSF138A52	5466
MPP - GasHeavy Duty Can 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVCGSF154A52	6059
MPP - GasHeavy Duty Can 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVCGSF172A52	6819
MPP - GasHeavy Duty Can 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVCGSF185A52	7295
MPP - GasHeavy Duty Can 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVCGSF206A52	8167
MPP - GasHeavy Duty Can 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVCGSF226A52	8960
MPP - GasHeavy Duty Can 3Ph 25kVAr 525V50Hz	25	1	MEHVCGSF250A52	9904
MPP - GasHeavy Duty Can 3Ph 27.5kVAr 525V50Hz	27.5	1	MEHVCGSF275A52	10903
MPP - GasHeavy Duty Can 3Ph 30.6kVAr 525V50Hz	30.6	1	MEHVCGSF306A52	12131
MPP - GasHeavy Duty Can 3Ph 33.1kVAr 525V50Hz	33.1	1	MEHVCGSF331A52 <input checked="" type="checkbox"/>	13123
MPP - Gas Heavy Duty Can 3Ph 34.4kVAr 525V50Hz	34.4	1	MEHVCGSF344A52	13639
MPP - GasHeavy Duty Can 3Ph 37.7kVAr 525V50Hz	37.7	1	MEHVCGSF377A52	14917

\* 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Power Factor Correction Products



## Detuned Filter Application Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit LP
<b>VarPlus Box H Duty 525V Range</b>				
MPP - Heavy Duty Box 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVBHDY069A52	3100
MPP - Heavy Duty Box 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVBHDY125A52	5605
MPP - Heavy Duty Box 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVBHDY138A52	6200
MPP - Heavy Duty Box 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVBHDY154A52	6918
MPP - Heavy Duty Box 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVBHDY172A52	7729
MPP - Heavy Duty Box 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVBHDY185A52	8325
MPP - Heavy Duty Box 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVBHDY206A52	9255
MPP - Heavy Duty Box 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVBHDY226A52	10125
MPP - Heavy Duty Box 3Ph 25kVAr 525V 50Hz	25	1	MEHVBHDY250A52	11248
MPP - Heavy Duty Box 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVBHDY275A52	12366
MPP - Heavy Duty Box 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVBHDY306A52	13716
MPP - Heavy Duty Box 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVBHDY331A52	14885
MPP - Heavy Duty Box 3Ph 37.7kVAr 525V 50Hz	37.7	1	MEHVBHDY377A52	16898
<b>VarPlus Box Energy (MD - XL) 525V Range</b>				
Energy - MD-XL Box 3Ph 6.9kVAr 525V 50 Hz	6.9	1	MEHVBENY069A52	5733
Energy - MD-XL Box 3Ph 12.5kVAr 525V 50 Hz	12.5	1	MEHVBENY125A52	9920
Energy - MD-XL Box 3Ph 13.8kVAr 525V 50 Hz	13.8	1	MEHVBENY138A52	10964
Energy - MD-XL Box 3Ph 15.4kVAr 525V 50 Hz	15.4	1	MEHVBENY154A52	12222
Energy - MD-XL Box 3Ph 17.2kVAr 525V 50 Hz	17.2	1	MEHVBENY172A52	13643
Energy - MD-XL Box 3Ph 18.5kVAr 525V 50 Hz	18.5	1	MEHVBENY185A52	14676
Energy - MD-XL Box 3Ph 20.6kVAr 525V 50 Hz	20.6	1	MEHVBENY206A52	16342
Energy - MD-XL Box 3Ph 22.6kVAr 525V 50 Hz	22.6	1	MEHVBENY226A52	17912
Energy - MD-XL Box 3Ph 25kVAr 525V 50 Hz	25	1	MEHVBENY250A52	19847
Energy - MD-XL Box 3Ph 27.5kVAr 525V 50 Hz	27.5	1	MEHVBENY275A52	21809
Energy - MD-XL Box 3Ph 30.6kVAr 525V 50 Hz	30.6	1	MEHVBENY306A52	24282
Energy - MD-XL Box 3Ph 33.1kVAr 525V 50 Hz	33.1	1	MEHVBENY331A52	26255
Energy - MD-XL Box 3Ph 37.7kVAr 525V 50 Hz	37.7	1	MEHVBENY377A52	29914
<b>VarPlus Box APP 525V Range</b>				
APP - Box 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVBAPP069A52	5271
APP - Box 3Ph 9.2kVAr 525V 50Hz	9.2	1	MEHVBAPP092A52	7030
APP - Box 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVBAPP125A52	8392
APP - Box 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVBAPP138A52	9260
APP - Box 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVBAPP154A52	10334
APP - Box 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVBAPP172A52	11565
APP - Box 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVBAPP185A52	12421
APP - Box 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVBAPP206A52	13831
APP - Box 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVBAPP226A52	15173
APP - Box 3Ph 25kVAr 525V 50Hz	25	1	MEHVBAPP250A52	16788
APP - Box 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVBAPP275A52	18465
APP - Box 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVBAPP306A52	20546
APP - Box 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVBAPP331A52	22224
APP - Box 3Ph 37.7kVAr 525V 50Hz	37.7	1	MEHVBAPP377A52	25312

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# PFC - Detuned Reactors



## Detuned Reactor 440V Range

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit LP
<b>VarPlus Detuned Reactor 5.7%, 440V Range</b>				
Detuned Reactor 5.7% 3Ph 5kVAr 440V 50Hz	5	1	LVR05050A44	10287
Detuned Reactor 5.7% 3Ph 10kVAr 440V 50Hz	10	1	LVR05100A44	14868
Detuned Reactor 5.7% 3Ph 12.5kVAr 440V 50Hz	12.5	1	LVR05125A44	17003
Detuned Reactor 5.7% 3Ph 15kVAr 440V 50Hz	15	1	LVR05150A44	18029
Detuned Reactor 5.7% 3Ph 20kVAr 440V 50Hz	20	1	LVR05200A44	19136
Detuned Reactor 5.7% 3Ph 25kVAr 440V 50Hz	25	1	LVR05250A44	17948
Detuned Reactor 5.7% 3Ph 50kVAr 440V 50Hz	50	1	LVR05500A44	30012
Detuned Reactor 5.7% 3Ph 75kVAr 440V 50Hz	75	1	LVR05750A44	45017
Detuned Reactor 5.7% 3Ph 100kVAr 440V 50Hz	100	1	LVR05X00A44	60023
<b>VarPlus Detuned Reactor 7%, 440V Range</b>				
Detuned Reactor 7% 3Ph 5kVAr 440V 50Hz	5	1	LVR07050A44 <input checked="" type="checkbox"/>	9268
Detuned Reactor 7% 3Ph 10kVAr 440V 50Hz	10	1	LVR07100A44 <input checked="" type="checkbox"/>	13395
Detuned Reactor 7% 3Ph 12.5kVAr 440V 50Hz	12.5	1	LVR07125A44 <input checked="" type="checkbox"/>	15318
Detuned Reactor 7% 3Ph 15kVAr 440V 50Hz	15	1	LVR07150A44 <input checked="" type="checkbox"/>	16242
Detuned Reactor 7% 3Ph 20kVAr 440V 50Hz	20	1	LVR07200A44 <input checked="" type="checkbox"/>	17240
Detuned Reactor 7% 3Ph 25kVAr 440V 50Hz	25	1	LVR07250A44 <input checked="" type="checkbox"/>	16169
Detuned Reactor 7% 3Ph 50kVAr 440V 50Hz	50	1	LVR07500A44 <input checked="" type="checkbox"/>	26902
Detuned Reactor 7% 3Ph 75kVAr 440V 50Hz	75	1	LVR07750A44 <input checked="" type="checkbox"/>	40353
Detuned Reactor 7% 3Ph 100kVAr 440V 50Hz	100	1	LVR07X00A44 <input checked="" type="checkbox"/>	53805
<b>VarPlus Detuned Reactor 14%, 440V Range</b>				
Detuned Reactor 14% 3Ph 5kVAr 440V 50Hz	5	1	LVR14050A44	13794
Detuned Reactor 14% 3Ph 10kVAr 440V 50Hz	10	1	LVR14100A44	19612
Detuned Reactor 14% 3Ph 12.5kVAr 440V 50Hz	12.5	1	LVR14125A44	23108
Detuned Reactor 14% 3Ph 15kVAr 440V 50Hz	15	1	LVR14150A44	23775
Detuned Reactor 14% 3Ph 20kVAr 440V 50Hz	20	1	LVR14200A44	25799
Detuned Reactor 14% 3Ph 25kVAr 440V 50Hz	25	1	LVR14250A44	25286
Detuned Reactor 14% 3Ph 50kVAr 440V 50Hz	50	1	LVR14500A44	42179
Detuned Reactor 14% 3Ph 75kVAr 440V 50Hz	75	1	LVR14750A44	63268
Detuned Reactor 14% 3Ph 100kVAr 440V 50Hz	100	1	LVR14X00A44	84357

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

NORMAL STOCK ITEMS

WE.F. December 29, 2016

# Power Factor Correction Products



## APFC Relays

Description	No. of Step	Minimum Ordering Quantity (No.)	Reference	Unit LP
<b>Varlogic APFC Relays - Classic Range</b>				
RT6 , 6 step, 440V, 5A	6	1	51207	12219
RT8 , 8 step, 440V, 5A	8	1	51209	15838
RT12 , 12 step, 440V, 5A	12	1	51213	18374
<b>VarPlus Logic APFC Relays - Advanced Range</b>				
VPL06, 6 step LCD Display , 90V - 550V 50/60Hz 1A/5A <b>with RS485</b>	6	1	VPL06N	27220
VPL12, 12 step LCD Display , 90V - 550V 50/60Hz 1A/5A <b>with RS485</b>	12	1	VPL12N	29391

## 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 MRP
<b>LC1-D•K - with Damping Resistors &amp; Block of Early Make polesz</b>			
12.5 kVar	1 NO + 1 NC	LC1DFK11*	2700
16.7 kVar	1 NO + 1 NC	LC1DGK11*C	3800
20 kVar	1 NO + 1 NC	LC1DLK11*	4400
25 kVar	1 NO + 1 NC	LC1DMK11*C	4900
33.3 kVar	1 NO + 2 NC	LC1DPK*C	10400
40 kVar	1 NO + 2 NC	LC1DTK*C	14500
60 kVar	1 NO + 2 NC	LC1DWK*C	16500

#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
LC1DPK ....DWK 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Power Factor Correction Equipment- VarSet



## Reliable

- > Achieves Target set PF
- > Reduces demand kVA
- > Eliminates PF Penalty
- > Highest output to steps ratio "d"
- > 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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

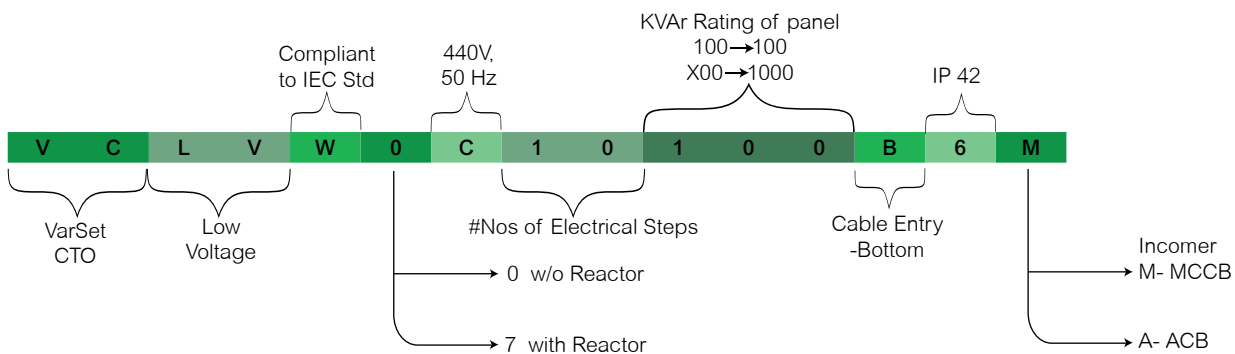
# Power Factor Correction Equipment- VarSet

## 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 [R]
<b>Incomer MCCB</b>				
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
<b>Incomer ACB</b>				
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



# 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
<b>Incomer MCCB</b>				
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
<b>Incomer ACB</b>				
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 Excise Duty, Sales Tax, Entry Tax or any other levies
- 3) For any further clarification contact Schneider Electric sales office or Customer Care Center

# Harmonic Filtration Equipment- AccuSine



AccuSine SWP

Description	AMPS	Minimum Ordering Quantity (No.)	Reference	Unit LP
<b>AccuSine SWP (Single Unit)</b>				
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
<b>AccuSine SWP (Parallel Unit application)</b>				
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

# Harmonic Filtration Equipment- AccuSine



## Accusine PCS+

Description	AMPS	Minimum Ordering Quantity (No.)	Reference	Unit LP
<b>AccuSine PCS+</b>				
AccuSine PCS+ 60A 380V- 480V 50- 60Hz , N2	60	1	PCSP060D5N2	On Request
AccuSine PCS+ 120A 380V - 480V 50- 60Hz N2	120	1	PCSP120D5N2	On Request
AccuSine PCS+ 200A 380V- 480V 50- 60Hz N2	200	1	PCSP200D5N2	On Request
AccuSine PCS+ 300A 380V- 480V 50- 60Hz N2	300	1	PCSP300D5N2	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

## Selection of capacitor (kVAr & Voltage) for Detuned filter Application

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

# 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	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

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

# 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

## \* 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	Contactor
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	69	70	GV7RS80	48-80	LC1D80
45.0	81	70	GV7RS100	60-100	LC1D115
55.0	100	70	GV7RS150	90-150	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..



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