

 Price List

Panel Builder

With effect from December 19, 2014



Low
Voltage
Products

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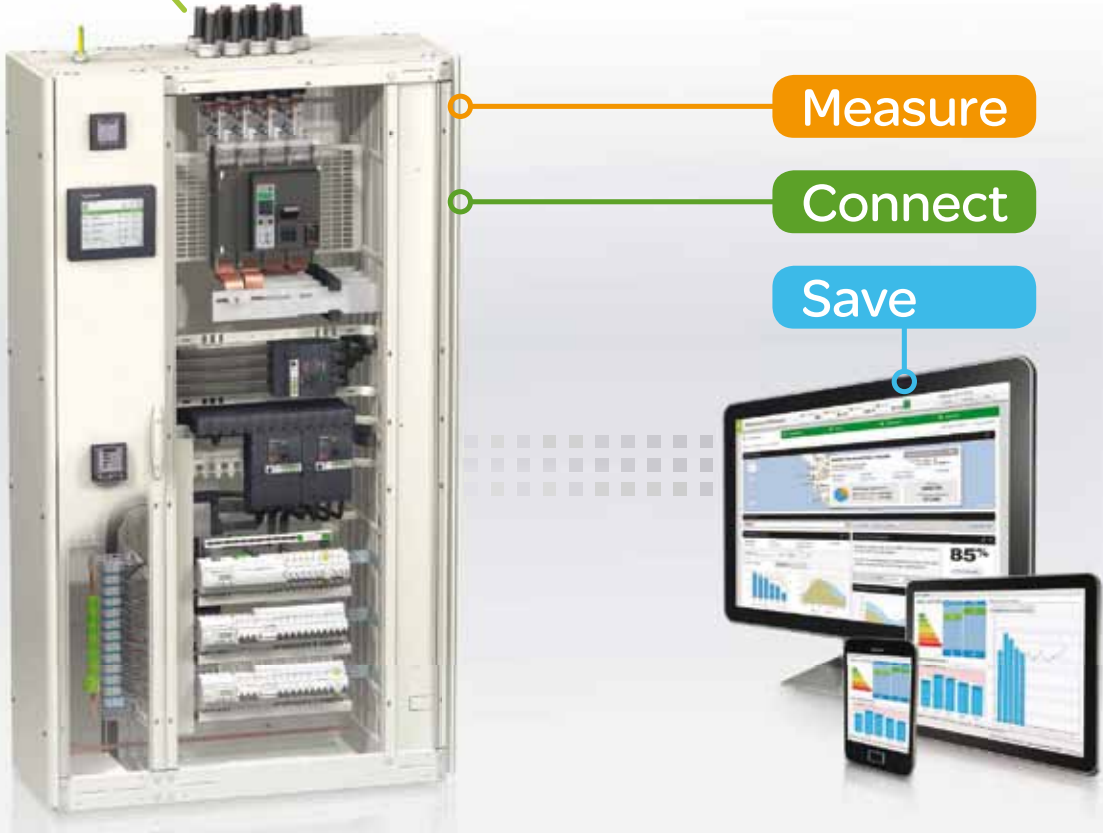
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Smart Solution to your Network, Asset and Energy Management needs

Simple-to-install **Smart Panels** powered by Enerlin'X communication system



Network management

- > Real time network monitoring
- > Real time load calibration
- > Fault location, isolation & system restoration - High uptime
- > Notification of unplanned events

Asset management

- > Condition based monitoring
- > Predictive maintenance
- > Use optimization - Increased asset life

Smart Panels connect you to real savings



> To discover more connect on www.schneider-electric.com/smart-panel/in



1 MEASURE

'Smart Panels' mean visible information

Grouping and measuring most of the electrical protection, command and metering components, the switchboards are now significant sources of data locally displayed and sent via communication networks.

2 CONNECT

... and ready to be linked to expertise

Smart Panels use reliable, simple to install and use displays, and, Ethernet and Modbus interfaces on the Enerlin'X communication system.

Information is safely transmitted through most efficient networks:

- Modbus SL inside switchboards, between components
- Ethernet, on cable or WiFi, inside the building and connecting switchboards to computers
- Ethernet on DSL or GPRS, for access to on-line services by Schneider Electric

Energy experts, wherever they are, are now able to provide advises based on permanently updated data of the building.

3 SAVE



On-site real time monitoring and control

On a touch screen display connected to Ethernet

- Shows essential electrical information and alarms concerning the electrical network,
- Allows control (open, close, reset...) of various equipments

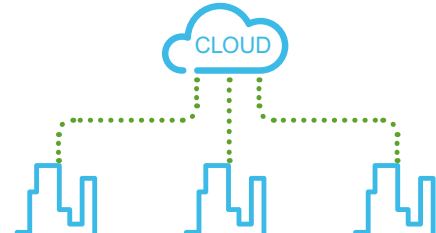
This touch screen is well appreciated for real time value checking and control, directly on the front panel of the main switchboard

On a PC display with common browser

- Shows monitoring web pages hosted into the local Ethernet interfaces
- Alarm events generate automatic email notifications
- Allows control (open, close, reset...) of various equipments

Data displayed on graphics or recorded into files are of a great interest for optimizing the use of energy in the building.

As an example, they definitely help validating the change of temperature settings, time scheduling in a Building Management System or other automated devices.



On-line Energy Management services

StruXureWare Energy Operation automates data collection via an open, scalable, and secure energy management information system.

With the help of the Schneider Electric energy management services team, data is then turned into actionable information to enable customers to understand their facilities' performance on an ongoing basis.

Energy Operation leverages companies' current investments in their existing systems, and can be used to communicate advanced results and performance to a broad audience for a shared understanding throughout the organization.

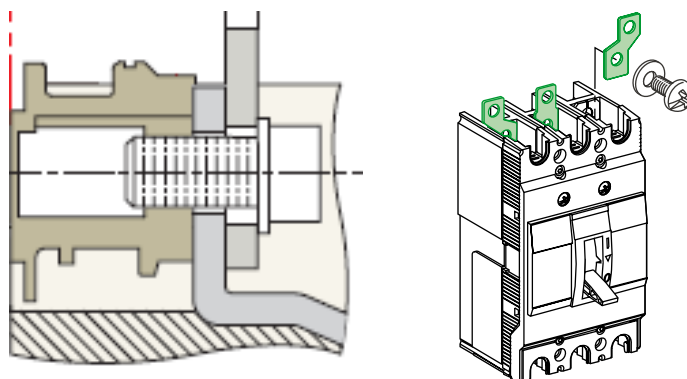
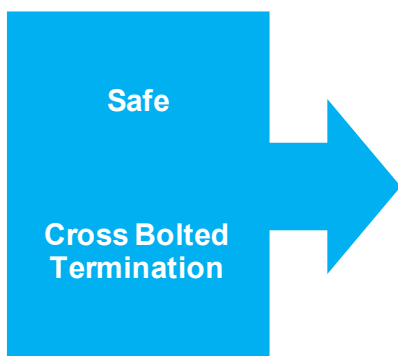
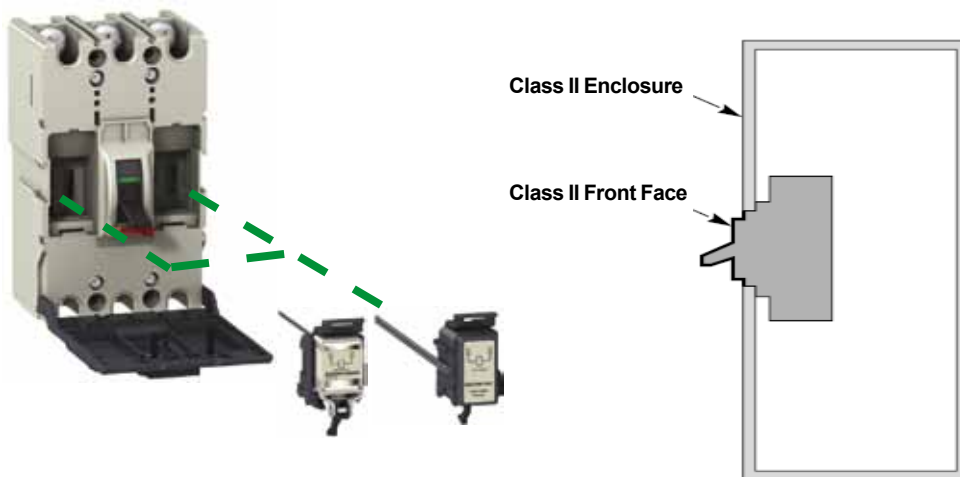
Cloud based energy computing can also help analyze performance of multi site locations and optimize energy consumption.

EasyPact EZC

Safe, Reliable and Easy

- Schneider Electric Global MCCBs offer from 15A to 630A
- Breaking capacity up to 50kA
- 1P, 2P, 3P and 4P versions are available.
- Cross Bolted termination starts from 15A make installation more safe
- Isolation feature ensure operator safety
- Class II Front face as per IEC 61140
- Compliance to RoHS (Restriction of Hazardous Substances)

- **Safety of operator and electrical installation is utmost priority**
- **Wide range of accessories with easy and safe installation**
 - Auxiliary switch
 - Alarm switch
 - Combined auxiliary & alarm switch
 - Shunt trip coil



With 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 <input checked="" type="checkbox"/>	4340	EZC100H4015	6020
	20A	EZC100H3020 <input checked="" type="checkbox"/>		EZC100H4020	
	25A	EZC100H3025 <input checked="" type="checkbox"/>		EZC100H4025	
	32A	EZC100H3032 <input checked="" type="checkbox"/>		EZC100H4032	
	40A	EZC100H3040 <input checked="" type="checkbox"/>		EZC100H4040	
	50A	EZC100H3050 <input checked="" type="checkbox"/>		EZC100H4050	
	63A	EZC100H3063 <input checked="" type="checkbox"/>		EZC100H4063 <input checked="" type="checkbox"/>	
	80A	EZC100H3080 <input checked="" type="checkbox"/>		EZC100H4080	
36kA	100A	EZC100H3100 <input checked="" type="checkbox"/>		EZC100H4100 <input checked="" type="checkbox"/>	
	125A	EZC250H3125	6940	EZC250H4125	9360
	160A	EZC250H3160	8670	EZC250H4160	11710
	200A	EZC250H3200	10760	EZC250H4200	14520
	250A	EZC250H3250	12750	EZC250H4250	17220

Note:

- Contact nearest sales office for 1P(up to 100A) and 2P (up to 250A) requirements
- 400A and 630A on request

Description	EZC100 Reference	Unit MRP [₹]	EZC250 Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover) Multifunction				
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	760	EZEAX <input checked="" type="checkbox"/>	920
Alarm Switch 1 C/O	EZAUX01		EZEAL <input checked="" type="checkbox"/>	
Alarm - Auxiliary Switch	EZAUX11 <input checked="" type="checkbox"/>	1090	EZEAXAL	1300
Spreaders				
Spreaders *(Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	310	EZESPDR3P <input checked="" type="checkbox"/>	460
Spreaders *(Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	410	EZESPDR4P	600
Phase Barriers				
	EZAFASB2	190	EZEFASB2	270
Rotary Handle				
Direct Rotary handle	EZAROTDS <input checked="" type="checkbox"/>	1030	EZEROTDS	1300
Extended Rotary handle	EZAROTE	1630	EZEROTE	1630
Shunt Release				
AC				
100-130 V	EZASHT100AC	1630	EZESHT100AC	1630
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>		EZESHT200AC <input checked="" type="checkbox"/>	
380-480 V	EZASHT380AC		EZESHT400AC	
DC				
24 V	EZASHT024DC	1630	EZESHT024DC	1630
48 V	EZASHT048DC		EZESHT048DC	

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 MRP [₹]
250 A	EZ busbar 250A 4ways	EZB250W04	8140
	EZ busbar 250A 6ways	EZB250W06	10300
	EZ busbar 250A 8ways	EZB250W08	12460
	EZ busbar 250A 10ways	EZB250W10	14630
	EZ busbar 250A 12ways	EZB250W12	16790
400 A	EZ busbar 400A 4ways	EZB400W04	10300
	EZ busbar 400A 6ways	EZB400W06	12460
	EZ busbar 400A 8ways	EZB400W08	14630
	EZ busbar 400A 10ways	EZB400W10	16790
	EZ busbar 400A 12ways	EZB400W12	18950
630 A	EZ busbar 630A 4ways	EZB630W04	12460
	EZ busbar 630A 6ways	EZB630W06	14630
	EZ busbar 630A 8ways	EZB630W08	16790
	EZ busbar 630A 10ways	EZB630W10	18950
	EZ busbar 630A 12ways	EZB630W12	21120

Branch Extension for Compact NSX/EasyPact CVS

[In] Rated Current	Description	Reference	Unit MRP [₹]
250 A	2 Way Branch Extension	EZBNS2	9170
	4 Way Branch Extension	EZBNS4	10300

EasyPact NKS AC MCCB

Moulded Case Circuit Breakers for Distribution Network

Fixed Thermal Magnetic Trip Unit (TMD)

- Conforms to IEC60947-2
- Suitable for isolation

Breaking Capacity Icu as per IEC60947-2	Rated Current	Reference	Unit MRP [₹]
10kA	15	NKS100R015AC3P	1630
	20	NKS100R020AC3P	1630
	25	NKS100R025AC3P	1630
	32	NKS100R032AC3P	1630
	40	NKS100R040AC3P	1630
	50	NKS100R050AC3P	1630
	63	NKS100R063AC3P	1630
	75	NKS100R075AC3P	1630
	100	NKS100R100AC3P	1630
	110	NKS160R110AC3P	3710
	125	NKS160R125AC3P	3710
	140	NKS160R140AC3P	3910
	150	NKS160R150AC3P	3910
	160	NKS160R160AC3P	3910
	175	NKS200R175AC3P	5150
	200	NKS200R200AC3P	5150

Description	EasyPact NKS100	Unit MRP [₹]	EasyPact NKS 125A to 200	Unit MRP [₹]
Auxiliary contacts (changeover) Multifunction				
Auxiliary Switch 1 C/O	EZAUX10	760	AX1CT1L	740
Alarm Switch 1 C/O	EZAUX01	760	AL1CT1NR	790
Alarm - Auxiliary Switch	EZAUX11	1090		
Spreaders				
Spreaders *(Set Of 3) 3P	EZASPDR3P	310	NKSP13	260
Phase Barriers				
	EZAFASB2	190	-	-
Rotary Handle				
Direct Rotary handle	EZAROTDS	1030	NRHOMT1	880
Extended Rotary handle	EZAROTE	1630	NDHOMT1	1080
Shunt Release				
AC				
100-130 V	EZASHT100AC	1630	SHT110ACT1L	670
200-277 V	EZASHT200AC	1630	SHT240ACT1L	670
380-480 V	EZASHT380AC	1630	SHT415ACT1L	670
440 V			SHT440ACT1L	640
DC				
24 V	EZASHT024DC	1630	SHT24DCT1L	670
48 V	EZASHT024DC	1630	SHT48DCT1L	670
110 V	-	-	SHT110DCT1L	670
220 V	-	-	SHT220DCT1L	670
Under Voltage Release				
AC				
UVR 200-240VAC	On Request		UVT110ACT1	1240
220 V	-	-	UVT220/240ACT1	1240
415 V	-	-	UVT415ACT1	1240

Simpact NKS DC

• 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 MRP [₹]
Shunt Release		
AC		
100-130 V	SHT110ACT1L	670
240 V	SHT240ACT1L	
415 V	SHT415ACT1L	
440 V	SHT440ACT1L	
DC		
24 V	SHT24DCT1L	670
48 V	SHT48DCT1L	
110 V	SHT110DCT1L	
220 V	SHT220DCT1L	
Under Voltage Release		
AC		
110 V	UVT110ACT1	1240
220 V	UVT220/240ACT1 <input checked="" type="checkbox"/>	
415 V	UVT415ACT1	

Description	Reference	Unit MRP [₹]
Auxiliary contacts (changeover)		
Auxiliary Switch 1 C/O	AX1CT1L	740
Alarm Switch 1 C/O	AL1CT1NR	790
rotary handles		
Standard direct black handle	NRHOMT1	880
Standard extended rotary handle	NDHOMT1	1080
Spreaders		
Spreaders (Set of 3) 3P	NKSP13 <input checked="" type="checkbox"/>	260

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.

EasyPact CVS

Easy Choice for Quality and Value

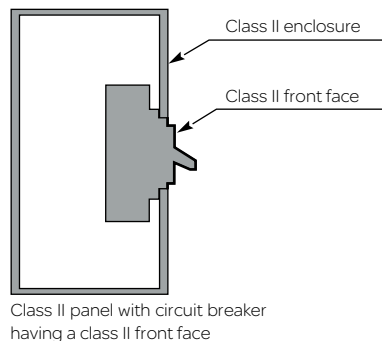
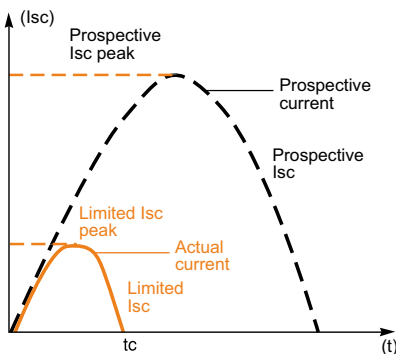


- Breaking capacity 25kA to 50kA
- 16A -800A 3P & 4P TMD & Microprocessor trip units.
- Isolation with positive break indication
- Class II Front Face
- Best in class current limiting performance (Low Let through Energy)
- Highest electrical endurance in its class
- Best in class contact resistance which help to achieve energy efficiency objectives

EasyPact CVS MCCBs most advance technology enhances the service life of Electrical installation (Cables /Bus Bars /Loads)



- **Current limiting** circuit breakers greatly reduce the negative effect of short circuit on installation , which reduce Thermal , Mechanical and Electromagnetic effect on entire electrical distribution network (Cables, Bus Bars , Loads etc.)
- **Class II Front Face** of MCCBs enhances operator & installation safety.
- **High electrical** endurance enhances continuity of services for longer time.
- **Low contact resistance** reduce energy consumptions



The limiting capacity of a circuit breaker is the aptitude to let through a current during a short circuit that is less than the prospective short-circuit current

Applications

- Electrical distribution networks
- Motor Protection starters
- Capacitor feeders Protections

With Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Best in class fault current limitation performance (Low let through energy)
- Suitable for Isolation
- Class II Front face
- Single frame size 16-100A, 16-250A

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP ₹	Four Pole Reference	Unit MRP ₹
EasyPact CVS 100 to 630A					
25kA*	16A	LV510930	5360	LV510950	6940
	20A	LV510931	5360	LV510951	6940
	25A	LV510932	5360	LV510952	6940
	32A	LV510933	5360	LV510953	6940
	40A	LV510934	5360	LV510954	6940
	50A	LV510935	5360	LV510955	6940
	63A	LV510936	5360	LV510956	6940
	80A	LV510937	5360	LV510957	6940
	100A	LV510938	5360	LV510958	6940
25kA	16A	LV510300 ✓	6100	LV510310	8800
	25A	LV510301 ✓	6100	LV510311 ✓	8800
	32A	LV510302 ✓	6100	LV510312 ✓	8800
	40A	LV510303 ✓	6100	LV510313 ✓	8800
	50A	LV510304 ✓	6100	LV510314	8800
	63A	LV510305 ✓	6100	LV510315 ✓	8800
	80A	LV510306 ✓	6100	LV510316 ✓	8800
	100A	LV510307 ✓	6100	LV510317 ✓	8800
	125A	LV516302 ✓	9600	LV516312 ✓	11050
	160A	LV516303 ✓	13050	LV516313 ✓	15400
36kA	200A	LV525302 ✓	17700	LV525312	21750
	250A	LV525303 ✓	20450	LV525313	24850
	16A	LV510330 ✓	9200	LV510340	11750
	25A	LV510331 ✓	9200	LV510341	11750
	32A	LV510332 ✓	9200	LV510342 ✓	11750
	40A	LV510333 ✓	9200	LV510343 ✓	11750
	50A	LV510334 ✓	9200	LV510344	11750
	63A	LV510335 ✓	9200	LV510345 ✓	11750
	80A	LV510336 ✓	9200	LV510346	11750
	100A	LV510337 ✓	9200	LV510347 ✓	11750
50kA	125A	LV516332 ✓	10050	LV516342	12450
	160A	LV516333 ✓	13650	LV516343	16100
	200A	LV525332	19780	LV525342 ✓	23250
	250A	LV525333	21630	LV525343 ✓	25400
	320A	LV540305	25950	LV540308 ✓	32950
	400A	LV540306	25950	LV540309 ✓	32950
	500A	LV563305 ✓	30950	LV563308 ✓	38600
	630A**	LV563306 ✓	30950	LV563309 ✓	39000
	16A	LV510470 ✓	11450	LV510480	14500
	25A	LV510471	11450	LV510481	14500
32A	LV510472 ✓	11450	LV510482 ✓	14500	
40A	LV510473	11450	LV510483	14500	
50A	LV510474	11450	LV510484	14500	
63A	LV510475 ✓	11450	LV510485 ✓	14500	
80A	LV510476 ✓	11450	LV510486	14500	
100A	LV510477 ✓	11450	LV510487 ✓	14500	
125A	LV516462 ✓	16250	LV516467	18300	
160A	LV516463 ✓	17000	LV516468	19850	
200A	LV525452	21950	LV525457 ✓	27700	
250A	LV525453	23150	LV525458 ✓	28850	
320A	LV540315 ✓	27800	LV540318	34750	
400A	LV540316 ✓	27800	LV540319 ✓	34750	
500A	LV563315 ✓	32900	LV563318	41500	
630A**	LV563316 ✓	32900	LV563319 ✓	43300	

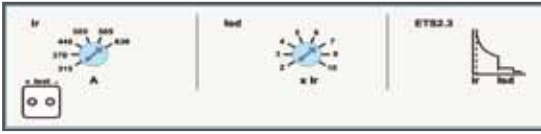
*Ics=17kA

**630A @ 30°C & 600A @ 40° C for TMD630A MCCB

✓ NORMAL STOCK ITEMS

W.E.F. December 19, 2014

With Microprocessor Based Trip Unit



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.5 to 1*I_n
- Adjustable Short Circuit from 2 to 10*I_r
- 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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
EasyPact CVS 400 to 630A					
36 kA	400A	LV540505 <input checked="" type="checkbox"/>	30950	LV540506 <input checked="" type="checkbox"/>	36350
	630A	LV563505 <input checked="" type="checkbox"/>	34350	LV563506 <input checked="" type="checkbox"/>	44050
50 kA	400A	LV540510 <input checked="" type="checkbox"/>	32350	LV540511 <input checked="" type="checkbox"/>	41300
	630A	LV563510 <input checked="" type="checkbox"/>	35750	LV563511 <input checked="" type="checkbox"/>	47700

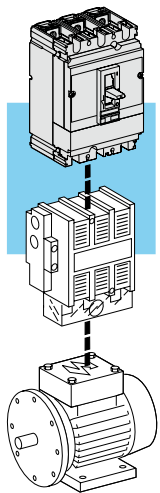
EasyPact CVS 800A



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

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
36kA	800A	LV580300 <input checked="" type="checkbox"/>	46700	LV580301 <input checked="" type="checkbox"/>	50400
50kA	800A	LV580302 <input checked="" type="checkbox"/>	48950	LV580303 <input checked="" type="checkbox"/>	56700

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

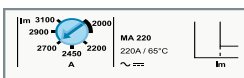


Current Rating		2.5	6.3	12.5	25	50	100	150	220	320	500	
Frame 1	CVS 100	■										
	CVS 160						■					
	CVS 200							■				
Frame 2	CVS 400								■			
	CVS 630									■		

Short Circuit protection (Magnetic Setting)

Type 2 co-ordination chart available

CVS 100	■ 6..14I _n										
CVS 160/250						■ 9..14I _n					
CVS 400								■ 6..13I _n			
CVS 630										■ 6..13I _n	



- 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	7860
	6.3A	LV510451	7860
	12.5A	LV510452 <input checked="" type="checkbox"/>	7860
	25A	LV510453 <input checked="" type="checkbox"/>	10090
	50A	LV510454 <input checked="" type="checkbox"/>	10090
	100A	LV510455 <input checked="" type="checkbox"/>	10090
	150A	LV516451 <input checked="" type="checkbox"/>	13810
	220A	LV525442 <input checked="" type="checkbox"/>	17220
	320A	LV540552 <input checked="" type="checkbox"/>	29520
	500A	LV563552	34430



Indication contacts



Voltage Release



Padlocking accessory



Direct Rotary Handle



Extended Rotary Handle

Accessories from 100 - 630A

Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP [₹]
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	880
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 MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
24 V 50/60 Hz	LV429384 <input checked="" type="checkbox"/>	2160	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	
DC				
12 V	LV429382	2160	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 <input checked="" type="checkbox"/>		LV429413	
250 V	LV429394 <input checked="" type="checkbox"/>		LV429414 <input checked="" type="checkbox"/>	

Rotary Handles

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Direct rotary handle				
Standard black handle	LV429337 <input checked="" type="checkbox"/>	1130	LV432597 <input checked="" type="checkbox"/>	1700
Extended rotary handle				
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1800	LV432598 <input checked="" type="checkbox"/>	3240

Installation Accessories

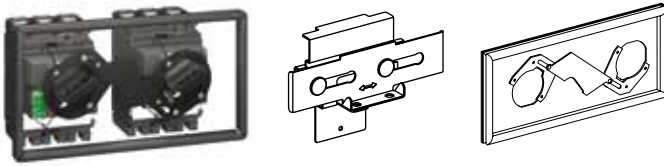
Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Spreaders & Phase Barriers				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	670	32492 <input checked="" type="checkbox"/>	1450
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	880	32493 <input checked="" type="checkbox"/>	1850
Phase Barriers (Set of 6)	*		LV432570 <input checked="" type="checkbox"/>	720
Interlocking				
For Breaker with Rotary Handle	LV429369	8390	LV432621	10560
For Breaker with Toggle	LV429354	8650	LV432614	10560
Mechanical Interlocking with Base Plate	29349**	16480	32609**	36460
Locking of Rotary Handle				
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)

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



Accessories from 100 - 630A

Manual Source change-over systems

- An additional accessory interlocks two devices with rotary handles to create a source changeover system. Closing of one device is possible only if the second is open.
- This function is compatible with direct or extended rotary handles.
- Up to three padlocks can be used to lock in the OFF or ON position.

Description	Reference	Unit MRP [₹]
Mechanical interlocking for circuit breakers		
With toggles	29354	5150
With rotary handles	LV429369	8390

Accessories from 800A

Auxiliary/Alarms contacts

Description	Reference	Unit MRP [₹]
Auxiliary Switch 1 C/O	LV580075	1190
Auxiliary Switch 2 C/O	LV580076	1190
Alarm Switch 1 C/O	LV580077	1080
Alarm Switch 2 C/O	LV580078	1350
Alarm Auxiliary Contact	LV580079	1680

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
110-130 V 50/60 Hz	LV580060	2280	LV580070	2860
220-240 V 50/60 Hz	LV580061		LV580071	
380-415 V 50 Hz	LV580062		LV580072	
440 V	LV580063		-	-
DC				
110 V	LV580066	2280	-	-
220 V	LV580067		-	-

Rotary Handles

Description	800A Reference	Unit MRP [₹]
Direct rotary handle		
Standard black handle	LV580080	1300
Extended rotary handle		
Standard extended rotary handle	LV580081 <input checked="" type="checkbox"/>	2000

Unique Modular Ground Fault Protection

Earth Fault Protection for EasyPact CVS/ Compact NSX MCCBs

Modular Device for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers

- Adjustable earth fault sensitivity selection 10 to 60%
- Adjustable time delay Inst/ 0.5 - 3 sec.
- System healthiness check through LED indication
- Individual fault indication for OL/SC, EF when used with Compact NSX & EasyPact CVS (Optional)
- Test facility to check healthiness of earth fault protection system without tripping MCCB
- Suitable for 3P3W & 3P4W electrical distribution network



Protection of electrical distribution network against fire



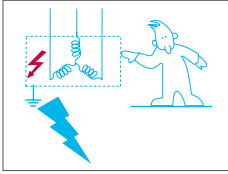
MCCB Frame	Relay Module rated current	3 Ph + 3W Reference	Unit MRP [₹]	3 Ph + 4W Reference	Unit MRP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P <input checked="" type="checkbox"/>	5090	GFP11CT14P <input checked="" type="checkbox"/>	5570
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	5780	GFP12CT24P <input checked="" type="checkbox"/>	6530
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	8730	GFP13CT34P <input checked="" type="checkbox"/>	9530
CVS 800	800	GFP14CT43P	10770	GFP14CT44P	12050

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.

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 ⁽¹⁾	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
CVS/NSX - 100/160	ME	LV429212	11020	LV429213	11900
CVS/NSX - 100/160	MH	LV429210 <input checked="" type="checkbox"/>	15910	LV429211	16430
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"> Sensitivity - 300mA (fixed) Instantaneous time delay Fixed < 40ms 	<ul style="list-style-type: none"> Sensitivity - adjustable 30mA - 300mA-1A-3A-10A Instantaneous time delay(ms) 0 - 60 ⁽²⁾ - 150 ⁽²⁾ - 310 ⁽²⁾ 	<ul style="list-style-type: none"> Sensitivity - adjustable 300mA-1A-3A-10A -30A Instantaneous time delay (ms) 0 - 60 - 150 - 310

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

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

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



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

Description	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
CVS/NSX 100- 250A				
220 to 440V AC	LV429459	13750	LV429460	14780
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV429214	5670
CVS/NSX 400- 630A				
220 to 440V AC	LV432659	21780	LV432660	24310
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV432457	16020

Compact NSX



- Range - 16A to 630A in Two frames sizes.
- Breaking Capacity up to 200kA
- Voltage rating up to 690V
- Isolation with Positive Break Indication
- Fixed, Plug-in and Draw out type
- TMD and Microprocessor based trip unit
- Built-in energy metering (1.5% accuracy class)
- Smart Integration over Communication Network
- Total Discrimination

Breaking Capacity

Ics=100% Icu
@380/415V



Demanding more from your low voltage systems??

Introducing exceptional breaking capacity for exceptional safety and service continuity.....

High Performance Moulded Case Circuit Breakers @ 690V AC

Icu = 100kA @ 690V AC **NEW**



Choose protection that delivers...

- Best-in-class breaking capacity for:



Marine



Oil & Gas



Mining: Minerals & Metals

- Best-in-class type 2 co-ordination for motor applications @ 690V AC
- Global Certification
 - IEC 6094-2 / 4
 - Marine Classification approvals apply (Veritas, Lloyd`s Register of Shipping, Det Norske Veritas, etc)
 - Marine-ready, meets new IACS requirements (Ics rating)

Breaking performance at 690 V
NSX 100 NSX 250 NSX 400 NSX 630



Breaking performance at 415 V
NSX 100 NSX 160 NSX 250 NSX 400 NSX 630



Note: For product references & prices contact nearest Sales Office

Type of Trip Units

(ASIC-Application Specific Integrated Circuit)

Thermal Magnetic Trip Unit



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

Micrologic Trip Units



	Protection	Cases	Measurement	Application
	↓	↓	↓	↓
	1 I 2 LS ₀ 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
Example				
Micrologic 1.3 M	I	400 or 630 A		Motor
Micrologic 2.2 G	LS ₀ I	100, 160 or 250 A		Generator
Micrologic 2.3	LS ₀ I	400 or 630 A		Distribution
Micrologic 2.3 M	LS ₀ I	400 or 630 A		Motor
Micrologic 5.2 A	LSI	100, 160 or 250 A	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

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

ULP Modules (Universal Logic Plug)

FDM121 - Front Display Module



The front display module FDM121 is a panel mounted unit dedicated to display measurements (Current, Voltage, Power, Energy, Power Factor, THD etc.), operating assistance data (Contact wear indication, Load Profile, ON/OFF/Trip counter) and Last 17 fault trip/Alarm history with date and time stamping data received from MCCB.

IFM - Interface Module



Interface module allows intelligent modular units (IMUs) in the ULP system to communicate using the Modbus protocol. These are DIN rail mounted modules.



NSX cord



ULP cables

The Compact NSX circuit breaker connects to the ULP system by means of the NSX Cord. The Compact NSX circuit breaker must be equipped with a BSCM and/or a Micrologic 5/6 Trip Unit.

ULP cables are used to interconnect ULP modules within a single IMU. They have male RJ45 connectors at both ends and are available in several lengths.



ULP modules are interconnected by simple plug and play connection using ULP cables, without prior set-up.

Introducing...

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
 - 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

Note: For additional details please contact nearest Sales Office.

With Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable thermal setting 0.7 - 1 x In
- Adjustable magnetic setting 5 – 10 x Ir **
- Transparent cover for trip unit as standard
- Two frame sizes upto 630A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Exceptional current limiting $6 \times 10^5 \text{ A}^2\text{S}$

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	16A	LV429557	8200	LV429567	11800
	25A	LV429556 ✓	8200	LV429566	11800
	32A	LV429555 ✓	8200	LV429565	11800
	40A	LV429554 ✓	8200	LV429564	11800
	50A	LV429553	8200	LV429563	11800
	63A	LV429552 ✓	8200	LV429562 ✓	11800
	80A	LV429551 ✓	8200	LV429561	11800
	100A	LV429550 ✓	8200	LV429560 ✓	11800
	125A	LV430311 ✓	14950	LV430321 ✓	18450
	160A	LV430310 ✓	14950	LV430320 ✓	18450
	200A	LV431111	23100	LV431121 ✓	27800
	250A	LV431110 ✓	23100	LV431120 ✓	27800
36kA	16A	LV429637 ✓	10150	LV429647	13300
	25A	LV429636 ✓	10150	LV429646	13300
	32A	LV429635 ✓	10150	LV429645 ✓	13300
	40A	LV429634 ✓	10150	LV429644	13300
	50A	LV429633	10150	LV429643	13300
	63A	LV429632 ✓	10150	LV429642 ✓	13300
	80A	LV429631 ✓	10150	LV429641	13300
	100A	LV429630 ✓	10150	LV429640 ✓	13300
	125A	LV430631 ✓	15700	LV430641 ✓	19350
	160A	LV430630 ✓	15700	LV430640 ✓	19350
	200A	LV431631 ✓	24100	LV431641 ✓	29700
	250A	LV431630 ✓	24100	LV431640 ✓	29700
50kA	16A	LV429847	11850	LV429857	15000
	25A	LV429846	11850	LV429856	15000
	32A	LV429845 ✓	11850	LV429855	15000
	40A	LV429844 ✓	11850	LV429854	15000
	50A	LV429843	11850	LV429853	15000
	63A	LV429842 ✓	11850	LV429852	15000
	80A	LV429841 ✓	11850	LV429851	15000
	100A	LV429840 ✓	11850	LV429850	15000
	125A	LV430841 ✓	18250	LV430851	20500
	160A	LV430840 ✓	18250	LV430850	20500
	200A	LV431831 ✓	25100	LV431841	30650
	250A	LV431830 ✓	25100	LV431840	30650
70kA	16A	LV429677	15900	LV429687	20000
	25A	LV429676	15900	LV429686	20000
	32A	LV429675	15900	LV429685	20000
	40A	LV429674	15900	LV429684	20000
	50A	LV429673	15900	LV429683	20000
	63A	LV429672 ✓	15900	LV429682	20000
	80A	LV429671	15900	LV429681	20000
	100A	LV429670 ✓	15900	LV429680	20000
	125A	LV430671	29600	LV430681	31750
	160A	LV430670 ✓	29600	LV430680	31750
	200A	LV431671	33850	LV431681	43550
	250A	LV431670 ✓	33850	LV431680	43550

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.

With Micrologic 2 (µP -ASIC based)



- Protection type LS₀IN
- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable overload from 0.36 - 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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV429777 <input checked="" type="checkbox"/>	14450	LV429787	20000
	100A	LV429775 <input checked="" type="checkbox"/>	14450	LV429785 <input checked="" type="checkbox"/>	20000
	160A	LV430745 <input checked="" type="checkbox"/>	18450	LV430750 <input checked="" type="checkbox"/>	23550
	250A	LV431140 <input checked="" type="checkbox"/>	25100	LV431150 <input checked="" type="checkbox"/>	32200
36kA	40A	LV429772	15500	LV429782	20000
	100A	LV429770 <input checked="" type="checkbox"/>	15500	LV429780 <input checked="" type="checkbox"/>	20000
	160A	LV430770 <input checked="" type="checkbox"/>	19500	LV430780 <input checked="" type="checkbox"/>	26150
	250A	LV431770 <input checked="" type="checkbox"/>	27650	LV431780 <input checked="" type="checkbox"/>	35900
	400A	LV432676 <input checked="" type="checkbox"/>	35900	LV432677 <input checked="" type="checkbox"/>	41000
50kA	630A	LV432876 <input checked="" type="checkbox"/>	37950	LV432877 <input checked="" type="checkbox"/>	49200
	40A	LV429797	18450	LV429807	25250
	100A	LV429795 <input checked="" type="checkbox"/>	18450	LV429805 <input checked="" type="checkbox"/>	22550
	160A	LV430775 <input checked="" type="checkbox"/>	23050	LV430785	28700
	250A	LV431870 <input checked="" type="checkbox"/>	29100	LV431875 <input checked="" type="checkbox"/>	37950
	400A	LV432693 <input checked="" type="checkbox"/>	36900	LV432694 <input checked="" type="checkbox"/>	45600
70kA	630A	LV432893 <input checked="" type="checkbox"/>	41000	LV432894 <input checked="" type="checkbox"/>	54300
	40A	LV429792	22150	LV429802	29300
	100A	LV429790	22150	LV429800	29300
	160A	LV430790	33600	LV430800	38550
	250A	LV431790	38250	LV431800	49500
	400A	LV432695 <input checked="" type="checkbox"/>	44050	LV432696	61500
	630A	LV432895 <input checked="" type="checkbox"/>	46100	LV432896	71750

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

With Micrologic 2 (µP -ASIC based) with + shunt +GFP

- Protection type LS₀IGN
- Ics = 100% Icu as per IEC 60947-2
- Fault indication for GF (LED type) meant for human safety.
- Suitable for Isolation
- 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 MRP [₹]	3 Ph + 4W Reference	Unit MRP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P <input checked="" type="checkbox"/>	5090	GFP11CT14P <input checked="" type="checkbox"/>	5570
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	5780	GFP12CT24P <input checked="" type="checkbox"/>	6530
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	8730	GFP13CT34P <input checked="" type="checkbox"/>	9530
CVS 800	800	GFP14CT43P <input checked="" type="checkbox"/>	10770	GFP14CT44P <input checked="" type="checkbox"/>	12050

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

Compact NSX

Moulded Case Circuit Breakers for Distribution Network

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

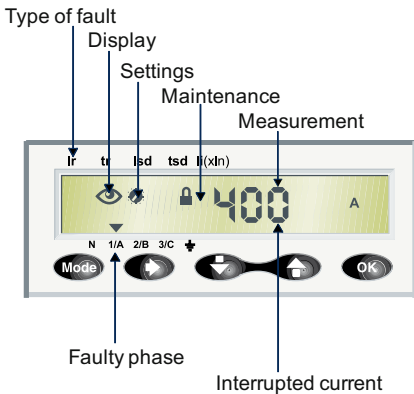


- Protection type LSIGN
- $I_{cs} = 100\% I_{cu}$ as per IEC 60947-2
- Suitable for Isolation
- Current measurements (Phase & neutral, Average, Highest of phases, Ground fault current, Maximeter / Minimeter, Current unbalance between phases)
- Adjustable overload from $I_r 0.36$ to $1 \times I_n$ and $t_r = 0.5 - 16$ s
- Adjustable short circuit from $I_{sd} 1.5 - 10 \times I_r$ and $t_{sd} I^2t_{ON}/OFF 0.1 - 0.4s$
- Adjustable earth fault $0.4 - 1 \times I_n$ (for $I_n=40A$) & $0.2 - 1 \times I_n$ (for $I_n>40A$) and $t_g I^2t_{ON}/OFF 0.1 - 0.4s$
- Instantaneous protection $I_i 1.5 \times I_n - 15 \times I_n$ (40 - 160A), $12 \times I_n$ (250 - 400A) and $11 \times I_n$ (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.

Note:

For prices of MCCB with 6A and 6E contact our nearest Sales Office.

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)
- Communication (Modbus with add on module)

Note: For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office.

Type NA Switch Disconnecter Unit



Compact NSX 100 to 250 NA

Compact NSX 400 to 630 NA

- 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, plug in and withdrawable versions
- Common Accessories as that of Compact NSX circuit breaker

Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
100A	LV429629	9000	LV429639	13300
160A	LV430629	18450	LV430639	24600
250A	LV431629	27650	LV431639	37950
400A	LV432756	34850	LV432757	44050
630A	LV432956	35900	LV432957	58400

With Magnetic Trip Unit MA type



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- 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 MRP [₹]
36kA	2.5A	LV429745	10200
	6.3A	LV429744	10200
	12.5A	LV429743	10200
	25A	LV429742	10200
	50A	LV429741	10200
	100A	LV429740 <input checked="" type="checkbox"/>	10200
	150A	LV430830	15350
50kA	220A	LV431748	25200
	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
70kA	150A	LV430832	18750
	220A	LV431752	27650
	2.5A	LV429765	16320
	6.3A	LV429764	16320
	12.5A	LV429763	16320
	25A	LV429762	16320
	50A	LV429761	16320
100A	LV429760	16320	
	150A	LV430834	28400
	220A	LV431756	44050

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 MRP [₹]
36kA	320A	LV432748	32800
	500A	LV432948	39450
50kA	320A	LV432749	35900
	500A	LV432949	41200
70kA	320A	LV432750	49200
	500A	LV432950	49500

Note: For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office

With Micrologic 2M (µP - ASIC based)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable overload Ir 0.45 - 1 x In
- Adjustable short circuit Isd 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 MRP [₹]
36kA	25A	LV429828	14790
	50A	LV429827	14790
	100A	LV429825	14790
	150A	LV430985	21930
	220A	LV431160	31010
	320A	LV432775	39780
50kA	500A	LV432975	47940
	25A	LV429833	18360
	50A	LV429832	18360
	100A	LV429830	18360
	150A	LV430988	25910
	220A	LV431165	32690
70kA	320A	LV432776	48450
	500A	LV432976	49980
	25A	LV429838	22340
	50A	LV429837	22340
	100A	LV429835	22340
	150A	LV430991	36010
	220A	LV431170	41770
	320A	LV432777	55080
	500A	LV432977	61200

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: Isd 5 - 13 x Ir
- Ground fault protection: Ig 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I2tON/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: Ijam 1 - 8 x Ir or Ijam can be made OFF and tjam 1 - 30s
- Under-Load (under-current): Iund 0.3 - 0.9 x Ir or Iund can be made OFF and tund 1 - 200s
- Long Starts Ilong 1 - 8 x Ir or Ilong can be made OFF and tlong 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)

MCCBs for DC Network Protection

Compact NSX DC

With Thermal Magnetic Trip Unit (TMD)



- Available from 16 – 630A in 3P/4P version with breaking capacities of 36kA and 100kA @ 750V DC
- Available in 1P version with breaking capacities of 36kA, 50kA and 85kA for 250V DC / pole
- Available in 2P version with breaking capacities of 36kA, 50kA, 100kA for 250V DC / pole
- Ics = 100% Icu for complete range
- TMD type trip unit for 16 – 250A and only Magnetic type (MP1/MP2/MP3) for 400 – 630A
- L/R (time constant of the distribution system) = 15 ms
- Compact NSX DC enables parallel connections of poles, optimizing use of rated currents
- Special connection accessories available for parallel and series connection

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
36kA	100A	LV438003XTMDC100	13260	LV438008XTMDC100	18870
	160A	LV438103XTMDC160	16320	LV438108XTMDC160	22030
	250A	LV438203XTMDC250	22850	LV438208XTMDC250	27850
	400A	LV438403	48550	LV438408	59160
	630A	LV438503	61200	LV438508	72930
100kA	100A	LV438018XTMDC100	15810	LV438019XTMDC100	21420
	160A	LV438118XTMDC160	21110	LV438119XTMDC160	26520
	250A	LV438218XTMDC250	36720	LV438219XTMDC250	38760
	400A	LV438418	52020	LV438419	63240
	630A	LV438518	64260	LV438519	75480

Note:

- For 1P / 2P contact nearest Sales Office
- Above references and prices for 400A / 630A are with trip unit MP1; for other trip units contact nearest Sales Office
- For arriving at the references of MCCB with ratings lower than 100A; replace the last 3 digits with required ratings.
- For Accessories refer Compact NSX Accessories on page 25



Indication contacts



SDTAM remote indication relay module



SDx remote indication relay module



Voltage Release



Motor Mechanism

Description	Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover) Multifunction		
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	880
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
SDx 2-Programmable Contacts for Micrologic		
SDx module 24/415 V AC/DC	LV429532	9840
SDTAM Contactor Tripping Module for Micrologic 2- M/6 E-M		
SDTAM 24/415 V AC/DC overload fault indication	LV429424	10200

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

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
24 V 50/60 Hz	LV429384	2160	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	
DC				
12 V	LV429382	2160	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 MRP [₹]	400/630A Reference	Unit MRP [₹]
Spreaders & Phase Barrier				
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
Interlocking				
For Breaker with Rotary Handle	LV429369	8390	LV432621	10560
For Breaker with Toggle	LV429354	8650	LV432614	10560
Mechanical Interlocking with Base Plate	29349**	16480	32609**	36460
Locking of Rotary Handle				
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)

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



FDM121: Front Display Module



Test Battery



Power Supply Module



IFM: Modbus Interface Module



BSCM: Breaker Status and Control Module

Motor Mechanism

Type	Voltage	100/160A Reference	Unit MRP [₹]	250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Motor Mechanism Modules with SDE adaptor ⁽¹⁾							
AC 50/60 Hz	48-60 V	LV429440	20600	LV431548	22760	LV432639	32450
	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	24930	LV431543	27040	LV432643	35740
	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 Schneider Electric.

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Locking of Motor Mechanism				
Keylock adaptor + Ronis keylock (special)	LV429449	2580	-	-
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 MRP [₹]
ULP Display Module		
Switchboard front display module FDM121	TRV00121 <input checked="" type="checkbox"/>	10300
ULP Wiring Accessories		
NSX cord L = 0.35 m	LV434200	2370
NSX cord L = 1.3 m	LV434201 <input checked="" type="checkbox"/>	2270
5 RJ45/RJ45 MALE Cord L = 1m	TRV00810	2240
10 Stacking connectors for COM interface	TRV00217	3500
ULP Communication Module		
IFM MODBUS Interface Module	TRV00210 <input checked="" type="checkbox"/>	9220
BSCM (Breaker Status and Control Module)	LV434205 <input checked="" type="checkbox"/>	7780
Power Supply Modules		
External power supply module 24 V DC-1 A OVC IV		
24-30 V DC	54440	14180
48-60 V DC	54441	
100-125 V AC	54442	
110-130 V AC	54443	
200-240 V AC	54444 <input checked="" type="checkbox"/>	
380-415 V AC	54445	
Pocket battery for Micrologic NSX100-630	LV434206	16220

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

ULP = Universal Logic Plug

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



Direct Rotary Handle



Extended Rotary Handle



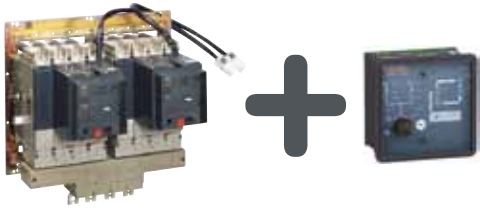
Plug in Base



Draw-Out Chassis Kit

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Rotary Handles				
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"/>	1800	LV432598 <input checked="" type="checkbox"/>	3240
Plug in Base (Complete Kit)				
3 Pole	LV429289 <input checked="" type="checkbox"/>	7570	LV432538 <input checked="" type="checkbox"/>	17360
4 Pole	LV429290 <input checked="" type="checkbox"/>	9790	LV432539 <input checked="" type="checkbox"/>	21630
Draw-Out Chassis Kit				
3 Pole				
Plug In base	LV429289 <input checked="" type="checkbox"/>	7570	LV432538 <input checked="" type="checkbox"/>	17360
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"/>	9790	LV432539 <input checked="" type="checkbox"/>	21630
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
Plug In / Withdrawable version Accessories				
Automatic Auxilliary Connectors				
1 9-wire fixed connector (for base)	LV429273	1030	LV429273	1030
1 9-wire moving connector (for circuit breaker)	LV429274	770	LV432523 <input checked="" type="checkbox"/>	820
1 support for 2 moving connectors	LV429275	570	LV432525 <input checked="" type="checkbox"/>	570
Manual Auxilliary Connectors				
9-wire manual auxiliary connector (fixed + moving)	LV429272	3610	LV429272	3610

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	195570	LV4A3F100100U4	214020
NSX160F	NSX100F	LV4A3F160100B4	201820	LV4A3F160100U4	220270
NSX160F	NSX160F	LV4A3F160160B4	207610	LV4A3F160160U4	226060
NSX250F	NSX100F	LV4A3F250100B4	214840	LV4A3F250100U4	233290
NSX250F	NSX160F	LV4A3F250160B4	221090	LV4A3F250160U4	239540
NSX250F	NSX250F	LV4A3F250250B4	234060	LV4A3F250250U4	252510
NSX400F	NSX100F	LV4A3F400100B4*	250970	LV4A3F400100U4*	240260
NSX400F	NSX160F	LV4A3F400160B4*	256250	LV4A3F400160U4*	244970
NSX400F	NSX250F	LV4A3F400250B4*	239080	LV4A3F400250U4*	255530
NSX400F	NSX400F	LV4A3F400400B4	287920	LV4A3F400400U4	306370
NSX630F	NSX160F	LV4A3F630160B4*	231030	LV4A3F630160U4*	247490
NSX630F	NSX250F	LV4A3F630250B4*	241590	LV4A3F630250U4*	258040
NSX630F	NSX400F	LV4A3F630400B4	290790	LV4A3F630400U4	309240
NSX630F	NSX630F	LV4A3F630630B4	293610	LV4A3F630630U4	312060

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	203310	LV4A4F100100U4	221760
NSX160F	NSX100F	LV4A4F160100B4	210330	LV4A4F160100U4	228780
NSX160F	NSX160F	LV4A4F160160B4	212230	LV4A4F160160U4	230680
NSX250F	NSX100F	LV4A4F250100B4	225600	LV4A4F250100U4	244050
NSX250F	NSX160F	LV4A4F250160B4	232570	LV4A4F250160U4	251020
NSX250F	NSX250F	LV4A4F250250B4	247840	LV4A4F250250U4	266300
NSX400F	NSX100F	LV4A4F400100B4*	262860	LV4A4F400100U4*	250820
NSX400F	NSX160F	LV4A4F400160B4*	241390	LV4A4F400160U4*	257840
NSX400F	NSX250F	LV4A4F400250B4*	252870	LV4A4F400250U4*	269320
NSX400F	NSX400F	LV4A4F400400B4	300220	LV4A4F400400U4	318670
NSX630F	NSX160F	LV4A4F630160B4*	250820	LV4A4F630160U4*	267270
NSX630F	NSX250F	LV4A4F630250B4*	262300	LV4A4F630250U4*	278750
NSX630F	NSX400F	LV4A4F630400B4	310830	LV4A4F630400U4	329280
NSX630F	NSX630F	LV4A4F630630B4	321390	LV4A4F630630U4	339840

* 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

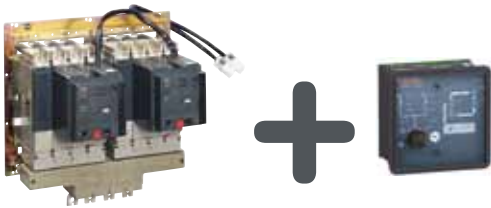
ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.

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.



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	199160	LV4A3N100100U4	217610
NSX160N	NSX100N	LV4A3N160100B4	207150	LV4A3N160100U4	225600
NSX160N	NSX160N	LV4A3N160160B4	211150	LV4A3N160160U4	229600
NSX250N	NSX100N	LV4A3N250100B4	216890	LV4A3N250100U4	235340
NSX250N	NSX160N	LV4A3N250160B4	224880	LV4A3N250160U4	243330
NSX250N	NSX250N	LV4A3N250250B4	234670	LV4A3N250250U4	253120
NSX400N	NSX100N	LV4A3N400100B4*	228630	LV4A3N400100U4*	245080
NSX400N	NSX160N	LV4A3N400160B4*	234210	LV4A3N400160U4*	250660
NSX400N	NSX250N	LV4A3N400250B4*	242510	LV4A3N400250U4*	258970
NSX400N	NSX400N	LV4A3N400400B4	291610	LV4A3N400400U4	310060
NSX630N	NSX160N	LV4A3N630160B4*	238060	LV4A3N630160U4*	254510
NSX630N	NSX250N	LV4A3N630250B4*	246310	LV4A3N630250U4*	262760
NSX630N	NSX400N	LV4A3N630400B4	295920	LV4A3N630400U4	314370
NSX630N	NSX630N	LV4A3N630630B4	300220	LV4A3N630630U4	318670

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	206280	LV4A4N100100U4	224730
NSX160N	NSX100N	LV4A4N160100B4	213350	LV4A4N160100U4	231800
NSX160N	NSX160N	LV4A4N160160B4	213760	LV4A4N160160U4	232210
NSX250N	NSX100N	LV4A4N250100B4	227450	LV4A4N250100U4	245900
NSX250N	NSX160N	LV4A4N250160B4	234520	LV4A4N250160U4	252970
NSX250N	NSX250N	LV4A4N250250B4	248560	LV4A4N250250U4	267010
NSX400N	NSX100N	LV4A4N400100B4*	242720	LV4A4N400100U4*	259170
NSX400N	NSX160N	LV4A4N400160B4*	248970	LV4A4N400160U4*	265420
NSX400N	NSX250N	LV4A4N400250B4*	260550	LV4A4N400250U4*	277010
NSX400N	NSX400N	LV4A4N400400B4	311810	LV4A4N400400U4	330260
NSX630N	NSX160N	LV4A4N630160B4*	257940	LV4A4N630160U4*	274390
NSX630N	NSX250N	LV4A4N630250B4*	269520	LV4A4N630250U4*	285980
NSX630N	NSX400N	LV4A4N630400B4	321900	LV4A4N630400U4	340350
NSX630N	NSX630N	LV4A4N630630B4	332000	LV4A4N630630U4	350450

* 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.

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 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	8870	56230	9740
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		56274	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56507*	17240
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	-	-	56508*	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56512**	17410
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.

Compact NS

Circuit breakers and switch-disconnectors from 630b to 3200A

- 630A to 3200A
- Breaking Capacity upto 150kA
- Category B MCCBs
- Fixed, Draw out type
- Built-in energy metering (1.5% accuracy class)
- Smart Integration over Communication Network
- Total Discrimination



2 sizes:

from 630b to 3200A



Compact NS630b to 1600



Compact NS1600b to 3200



Micrologic without Display

Micrologic A

Micrologic E

Micrologic P

LB 200kA	■	■			
L 150kA	■	■	■		
H 70kA	■	■	■	■	■
N 50kA	■	■	■	■	■
	NS630b	NS800	NS1000	NS1250	NS1600

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

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



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A
- Breaking Capacity as high as 150kA
- Category B MCCBs

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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
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With Direct Rotary Handle

50kA	800	INA_3P33466D <input checked="" type="checkbox"/>	64680	INA_4P33469D	84610
	1000	INA_3P33472D	83020	INA_4P33475D	120460
	1250	INA_3P33478D	99500	INA_4P33480D	152590
70kA	800	INA_3P33467D	79050	INA_4P33470D	101040
	1000	INA_3P33473D	104600	INA_4P33476D	157280
	1250	INA_3P33479D	125450	INA_4P33481D	173250

With Extended Rotary Handle

50kA	800	INA_3P33466E <input checked="" type="checkbox"/>	66590	INA_4P33469E <input checked="" type="checkbox"/>	86520
	1000	INA_3P33472E <input checked="" type="checkbox"/>	84920	INA_4P33475E <input checked="" type="checkbox"/>	122310
	1250	INA_3P33478E <input checked="" type="checkbox"/>	101350	INA_4P33480E	154450
70kA	800	INA_3P33467E	80960	INA_4P33470E	102950
	1000	INA_3P33473E	106400	INA_4P33476E	159190
	1250	INA_3P33479E	127360	INA_4P33481E	175100

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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
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With Direct Rotary Handle

50kA	800	INA_3P96466D	91620	INA_4P96469D	111550
	1000	INA_3P96472D	109950	INA_4P96475D	147390
	1250	INA_3P96478D	126430	INA_4P96480D	179530
70kA	800	INA_3P96467D	105990	INA_4P96470D	127980
	1000	INA_3P96473D	131530	INA_4P96476D	184220
	1250	INA_3P96479D	152390	INA_4P96481D	200180

With Extended Rotary Handle

50kA	800	INA_3P96466E	93420	INA_4P96469E	113450
	1000	INA_3P96472E	111810	INA_4P96475E	149250
	1250	INA_3P96478E	128290	INA_4P96480E	181380
70kA	800	INA_3P96467E	107890	INA_4P96470E	129880
	1000	INA_3P96473E	133330	INA_4P96476E	186070
	1250	INA_3P96479E	154290	INA_4P96481E	202030

Remarks: Trip Unit Micrologic 6.0.A

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

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

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

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



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A
- Breaking Capacity as high as 150kA
- Category B MCCBs

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

- 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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
With Direct Rotary Handle					
50kA	800	INA_8N3PFM2ED1	84050	INA_8N4PFM2ED1	97590
	1000	INA_10N3PFM2ED1	96050	INA_10N4PFM2ED1	140900
	1250	INA_12N3PFM2ED1	119530	INA_12N4PFM2ED1	173660
70kA	800	INA_8H3PFM2ED1	98730	INA_8H4PFM2ED1	121180
	1000	INA_10H3PFM2ED1	124680	INA_10H4PFM2ED1	178450
	1250	INA_12H3PFM2ED1	146050	INA_12H4PFM2ED1	194670
With Extended Rotary Handle					
50kA	800	INA_8N3PFM2EE1	85950	INA_8N4PFM2EE1	99340
	1000	INA_10N3PFM2EE1	104700	INA_10N4PFM2EE1	142810
	1250	INA_12N3PFM2EE1	121440	INA_12N4PFM2EE1	175560
70kA	800	INA_8H3PFM2EE1	100630	INA_8H4PFM2EE1	123030
	1000	INA_10H3PFM2EE1	126640	INA_10H4PFM2EE1	180350
	1250	INA_12H3PFM2EE1	147960	INA_12H4PFM2EE1	196630

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

- 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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
With Direct Rotary Handle					
50kA	800	INA_8N3PFM6ED1	88990	INA_8N4PFM6ED1	113450
	1000	INA_10N3PFM6ED1	119740	INA_10N4PFM6ED1	157950
	1250	INA_12N3PFM6ED1	136530	INA_12N4PFM6ED1	190650
70kA	800	INA_8H3PFM6ED1	115720	INA_8H4PFM6ED1	138120
	1000	INA_10H3PFM6ED1	141730	INA_10H4PFM6ED1	195440
	1250	INA_12H3PFM6ED1	163000	INA_12H4PFM6ED1	211720
With Extended Rotary Handle					
50kA	800	INA_8N3PFM6EE1	94450	INA_8N4PFM6EE1	115260
	1000	INA_10N3PFM6EE1	121690	INA_10N4PFM6EE1	159800
	1250	INA_12N3PFM6EE1	138430	INA_12N4PFM6EE1	192560
70kA	800	INA_8H3PFM6EE1	109950	INA_8H4PFM6EE1	140080
	1000	INA_10H3PFM6EE1	143580	INA_10H4PFM6EE1	197350
	1250	INA_12H3PFM6EE1	164950	INA_12H4PFM6EE1	213570

Remarks: Trip Unit Micrologic 6.0.A

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

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

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

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



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A.
- Typical design of Shunt, Closing & U/V coil for NS>=630A MCCB & Masterpact ACB
- Breaking Capacity as high as 150kA
- Category B MCCBs

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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_3P93280_20	103880	INA_4P93284_20	117990
	1000	INA_3P93290_20	122260	INA_4P93294_20	159700
	1250	INA_3P93300_20	138690	INA_4P93304_20	191790
70kA	800	INA_3P93281_20	118300	INA_4P93285_20	140340
	1000	INA_3P93291_20	143790	INA_4P93295_20	196520
	1250	INA_3P93301_20	164700	INA_4P93305_20	212440
For Control Voltage 415V AC					
50kA	800	INA_3P93280_40	103880	INA_4P93284_40	117990
	1000	INA_3P93290_40	122260	INA_4P93294_40	159700
	1250	INA_3P93300_40	138690	INA_4P93304_40	191790
70kA	800	INA_3P93281_40	118300	INA_4P93285_40	140340
	1000	INA_3P93291_40	143790	INA_4P93295_40	196520
	1250	INA_3P93301_40	164700	INA_4P93305_40	212440

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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_3P96280_20	130810	INA_4P96284_20	150740
	1000	INA_3P96290_20	149200	INA_4P96294_20	186640
	1250	INA_3P96300_20	165620	INA_4P96304_20	218720
70kA	800	INA_3P96281_20	145230	INA_4P96285_20	167270
	1000	INA_3P96291_20	170720	INA_4P96295_20	223460
	1250	INA_3P96301_20	191630	INA_4P96305_20	239370
For Control Voltage 415V AC					
50kA	800	INA_3P96280_40	130810	INA_4P96284_40	150740
	1000	INA_3P96290_40	149200	INA_4P96294_40	186640
	1250	INA_3P96300_40	165620	INA_4P96304_40	218720
70kA	800	INA_3P96281_40	145230	INA_4P96285_40	167270
	1000	INA_3P96291_40	170720	INA_4P96295_40	223460
	1250	INA_3P96301_40	191630	INA_4P96305_40	239370

Remarks: Trip Unit Micrologic 6.0.A

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

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

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

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



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A.
- Typical design of Shunt, Closing & U/V coil for NS>=630A MCCB & Masterpact ACB
- Breaking Capacity as high as 150kA
- Category B MCCBs

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

NEW

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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_8N3PFE2E0120	124060	INA_8N4PFE2E0120	144350
	1000	INA_10N3PFE2E0120	142710	INA_10N4PFE2E0120	180920
	1250	INA_12N3PFE2E0120	159500	INA_12N4PFE2E0120	213620
70kA	800	INA_8H3PFE2E0120	138690	INA_8H4PFE2E0120	161140
	1000	INA_10H3PFE2E0120	164700	INA_10H4PFE2E0120	218410
	1250	INA_12H3PFE2E0120	185970	INA_12H4PFE2E0120	234630
For Control Voltage 415V AC					
50kA	800	INA_8N3PFE2E0140	124060	INA_8N4PFE2E0140	144350
	1000	INA_10N3PFE2E0140	142710	INA_10N4PFE2E0140	180920
	1250	INA_12N3PFE2E0140	159500	INA_12N4PFE2E0140	213620
70kA	800	INA_8H3PFE2E0140	138690	INA_8H4PFE2E0140	161140
	1000	INA_10H3PFE2E0140	164700	INA_10H4PFE2E0140	218410
	1250	INA_12H3PFE2E0140	185970	INA_12H4PFE2E0140	234630

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

NEW

- 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 MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_8N3PFE6E0120	141010	INA_8N4PFE6E0120	161350
	1000	INA_10N3PFE6E0120	159750	INA_10N4PFE6E0120	197860
	1250	INA_12N3PFE6E0120	176490	INA_12N4PFE6E0120	230620
70kA	800	INA_8H3PFE6E0120	155740	INA_8H4PFE6E0120	178140
	1000	INA_10H3PFE6E0120	181690	INA_10H4PFE6E0120	235410
	1250	INA_12H3PFE6E0120	203010	INA_12H4PFE6E0120	251680
For Control Voltage 415V AC					
50kA	800	INA_8N3PFE6E0140	141010	INA_8N4PFE6E0140	161350
	1000	INA_10N3PFE6E0140	159750	INA_10N4PFE6E0140	197860
	1250	INA_12N3PFE6E0140	176490	INA_12N4PFE6E0140	230620
70kA	800	INA_8H3PFE6E0140	155740	INA_8H4PFE6E0140	178140
	1000	INA_10H3PFE6E0140	181690	INA_10H4PFE6E0140	235410
	1250	INA_12H3PFE6E0140	203010	INA_12H4PFE6E0140	251680

Remarks: Trip Unit Micrologic 6.0.A

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

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

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

For Compact NS630b - 1600A

Type	Voltage	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
Voltage Releases					
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				NS630b to 1600 Reference	Unit MRP [₹]
Spreaders (Set of 3) 3P				33622 <input checked="" type="checkbox"/>	8200
Spreaders (Set of 4) 4P				33623 <input checked="" type="checkbox"/>	10200

Compact-INS & INV Switch Disconnectors



- Interpact INS-INV Range becomes Compact-INS and Compact-INV Range.
- For Low Voltage Circuit Control and Isolation - Incomers for Distribution Boards
- Conforms to IEC 60947-3/IS 13947 - 3
 - Rated operational voltages 500V/690V
 - Rated operational current @ AC 23A
 - No deration upto 60° C
 - Positive contact indication
 - Common accessories with Compact NSX/single auxiliary contact
 - Making capacity enhanced with Compact NSX upstream

Pole Description	Rated Operational Current	Reference	Unit MRP [₹]
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Interpact Range of Switch Disconnectors

3-Pole	40 AAC-23A	28900	3960
	63 AAC-23A	28902	4870
	100 AAC-23A	28908	5730
	125 AAC-23A	28910	6140
	160 AAC-23A	28912	6950
	200 AAC-23A	31102	11770
	250 AAC-23A	31106	12430
	320 AAC-23A	31108	20250
	400 AAC-23A	31110	23040
630 AAC-23A	31114	23700	
4-Pole	40 AAC-23A	28901	4420
	63 AAC-23A	28903	5230
	100 AAC-23A	28909	6140
	125 AAC-23A	28911	6850
	160 AAC-23A	28913	7560
	200 AAC-23A	31103	13140
	250 AAC-23A	31107	13800
	320 AAC-23A	31109	23450
	400 AAC-23A	31111	24210
630 AAC-23A	31115	27400	

Interpact Changeover Systems (complete assembly)

3-Pole	100 AAC-23A	31140	33190
	160 AAC-23A	31144	36130
	200 AAC-23A	31142	39740
	250 AAC-23A	31146	40850
	320 AAC-23A	31148	67550
	400 AAC-23A	31150	72120
4-Pole	630 AAC-23A	31154	77040
	100 AAC-23A	31141	37860
	160 AAC-23A	31145	41410
	200 AAC-23A	31143	46890
	250 AAC-23A	31147	48520
	320 AAC-23A	31149	73690
	400 AAC-23A	31151	79880
630 AAC-23A	31155	87090	

Description	Reference	Unit MRP [₹]
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Accessories

Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)	LV431050	3450
Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector)	31052	4890
Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector)	LV428941	1750
6 phase separators - INS100..160	28959	720
6 phase separators - INS250	29329	720
6 phase separators - INS400..630	LV432570	720

- Complete Range from 32 to 630A in TP, TP+N & FP version suitable for DIN/BS fuses.
- 4 breaks and 8 arcing points
- IP20 Fuse Protection Cover is standard
- Higher Mechanical and Electrical life.

Without Enclosure

Rated Operational Current	Poles Description	DIN Type Reference	Unit MRP [₹]	BS Type Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDI <input checked="" type="checkbox"/>	2230	NX032TPNBS <input checked="" type="checkbox"/>	2230
63 A	3P + N	NX063TPNDI <input checked="" type="checkbox"/>	2940	NX063TPNBS <input checked="" type="checkbox"/>	2940
80 A	3P + N	NX080TPNDI	5620	NX080TPNBS	5350
100 A	3P	NX100TPXDI	6090	NX100TPXBS	6090
	3P + N	NX100TPNDI <input checked="" type="checkbox"/>	6390	NX100TPNBS	6390
	4P	NX100FPXDI	6500	NX100FPXBS	7100
125 A	3P	NX125TPXDI <input checked="" type="checkbox"/>	7100	NX125TPXBS	7100
	3P + N	NX125TPNDI <input checked="" type="checkbox"/>	7820	NX125TPNBS <input checked="" type="checkbox"/>	7820
	4P	NX125FPXDI	8630	NX125FPXBS	8530
160 A	3P	NX160TPXDI	7820	NX160TPXBS	7100
	3P + N	NX160TPNDI <input checked="" type="checkbox"/>	8530	NX160TPNBS <input checked="" type="checkbox"/>	8120
	4P	NX160FPXDI	9640	NX160FPXBS	9140
200 A	3P	NX200TPXDI	10350	NX200TPXBS	8120
	3P + N	NX200TPNDI <input checked="" type="checkbox"/>	10960	NX200TPNBS	9740
	4P	NX200FPXDI	12380	NX200FPXBS	10150
250 A	3P	NX250TPXDI	12690	NX250TPXBS	12690
	3P + N	NX250TPNDI <input checked="" type="checkbox"/>	13190	NX250TPNBS <input checked="" type="checkbox"/>	12790
	4P	NX250FPXDI	15220	NX250FPXBS	16240
315 A	3P	NX315TPXDI	15940	NX315TPXBS	12380
	3P + N	NX315TPNDI <input checked="" type="checkbox"/>	16340	NX315TPNBS	16240
	4P	NX315FPXDI	17760	NX315FPXBS	18270
400 A	3P	NX400TPXDI	21310	NX400TPXBS	20300
	3P + N	NX400TPNDI <input checked="" type="checkbox"/>	22330	NX400TPNBS	21310
	4P	NX400FPXDI	26390	NX400FPXBS	25370
630 A	3P	NX630TPXDI	31460	NX630TPXBS	26390
	3P + N	NX630TPNDI <input checked="" type="checkbox"/>	32480	NX630TPNBS	32480
	4P	NX630FPXDI	35530	NX630FPXBS	36540

With Enclosure Ref. DIN Type

Rated Operational Current	Poles Description	Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDIE	4870
63 A	3P + N	NX063TPNDIE	5680
80 A	3P + N	NX080TPNDIE	8260
100 A	3P + N	NX100TPNDIE	9340
125 A	3P + N	NX125TPNDIE	11160
160 A	3P + N	NX160TPNDIE	11980
200 A	3P + N	NX200TPNDIE	15220
250 A	3P + N	NX250TPNDIE	18070
315 A	3P + N	NX315TPNDIE	21520
400 A	3P + N	NX400TPNDIE	25170
630 A	3P + N	NX630TPNDIE	38570

Note: For Fuses, please contact our nearest Sales Office.

Accessories/Spares

Description	Reference	Unit MRP [₹]
NX032/NX063/NX080		
Auxiliary contact for Fupact	NXAA11 <input checked="" type="checkbox"/>	460
Fuse holder for DIN NX032...NX080	NXHD1	190
Handle operating mechanism (HOM) NX032...NX080	NXR1	370
HOM shaft for NX/32/63/80	NXRS1	210
NX100/NX125/NX160		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Fuse holder DIN for BS type NX100...NX160	NXHB21	180
Fuse holder DIN for NX100...NX160	NXHD21	190
Handle operating mechanism NX100...NX160	NXR2 <input checked="" type="checkbox"/>	780
Shaft for HOM for NX100...NX160	NXRS2	210
NX200		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Fuse holder for BS type NX200	NXHB22	180
Fuse holder for DIN NX200	NXHD22	230
Handle operating mechanism NX200	NXR2 <input checked="" type="checkbox"/>	780
Shaft for HOM for NX200	NXRS2A	270
NX250/315/400		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Handle operating mechanism for NX250...NX400	NXR3	780
Shaft for HOM for NX250...NX400	NXRS3	270
NX250/315/400		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Handle operating mechanism for NX630	NXR4	830
Shaft for HOM for NX630	NXRS4	270

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	NX63	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

Type 2 Co-ordination Table Fuseless (DOL Starter)

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

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

- (1) Separate mounting with LAEB1 terminal block
 (2) Separate mounting with LAEB3 terminal block
 (3) Type 1 for O/L relay

EasyPact SPS

Standard Protection System for
your electrical distribution network



800-1600A

ET2.0
Trip System

ET6G
Trip System

Microprocessor Base Trip Units



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	133800	SPS08F3PEW6L	176400	SPS08F4PMW6L	167800	SPS08F4PEW6L	207300
1000	SPS10F3PMW6L	140200	SPS10F3PEW6L	182000	SPS10F4PMW6L	177500	SPS10F4PEW6L	217700
1250	SPS12F3PMW6L	156800	SPS12F3PEW6L	198700	SPS12F4PMW6L	200000	SPS12F4PEW6L	241400
1600	SPS16F3PMW6L	176900	SPS16F3PEW6L	218600	SPS16F4PMW6L	226400	SPS16F4PEW6L	262200

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	130700	SPS08F3PEW2B	171600	SPS08F4PMW2B	160500	SPS08F4PEW2B	200500
1000	SPS10F3PMW2B	136600	SPS10F3PEW2B	177300	SPS10F4PMW2B	170400	SPS10F4PEW2B	210100
1250	SPS12F3PMW2B	153800	SPS12F3PEW2B	194500	SPS12F4PMW2B	193400	SPS12F4PEW2B	232500
1600	SPS16F3PMW2B	173900	SPS16F3PEW2B	215000	SPS16F4PMW2B	217200	SPS16F4PEW2B	255600

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	118300	SPS08F3PEW0D	161600	SPS08F4PMW0D	146200	SPS08F4PEW0D	180400
1000	SPS10F3PMW0D	123800	SPS10F3PEW0D	167100	SPS10F4PMW0D	156100	SPS10F4PEW0D	190600
1250	SPS12F3PMW0D	140600	SPS12F3PEW0D	183800	SPS12F4PMW0D	179400	SPS12F4PEW0D	213800
1600	SPS16F3PMW0D	160500	SPS16F3PEW0D	203700	SPS16F4PMW0D	199300	SPS16F4PEW0D	234200

Note:

All draw-out 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.
- (iv) 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.



- All EasyPact SPS Air Circuit Breakers are equipped with terminal adaptors
- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- Fully rated neutral with inbuilt protection
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2B provides Overload & Short-circuit protections
- Short circuit breaking capacity 50kA @ 440V AC

Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit

Rating In (A)	3P Fixed Manual Reference	Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF6L	103800	SPS08F3PEF6L	147000	SPS08F4PMF6L	126200	SPS08F4PEF6L	169500
1000	SPS10F3PMF6L	109300	SPS10F3PEF6L	152600	SPS10F4PMF6L	135500	SPS10F4PEF6L	178800
1250	SPS12F3PMF6L	126000	SPS12F3PEF6L	169300	SPS12F4PMF6L	157200	SPS12F4PEF6L	200500
1600	SPS16F3PMF6L	145900	SPS16F3PEF6L	189200	SPS16F4PMF6L	179700	SPS16F4PEF6L	222900

Fixed Type circuit breaker with Microprocessor based ET2B Trip Unit

Rating In (A)	3P Fixed Manual Reference	Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF2B	93900	SPS08F3PEF2B	137100	SPS08F4PMF2B	116600	SPS08F4PEF2B	159600
1000	SPS10F3PMF2B	99400	SPS10F3PEF2B	142700	SPS10F4PMF2B	125600	SPS10F4PEF2B	168900
1250	SPS12F3PMF2B	117300	SPS12F3PEF2B	159400	SPS12F4PMF2B	147300	SPS12F4PEF2B	190600
1600	SPS16F3PMF2B	136000	SPS16F3PEF2B	179300	SPS16F4PMF2B	169800	SPS16F4PEF2B	213000

Fixed Type switch disconnector without protection

Rating In (A)	3P Fixed Manual Reference	Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF0D	88900	SPS08F3PEF0D	132200	SPS08F4PMF0D	101500	SPS08F4PEF0D	144700
1000	SPS10F3PMF0D	94400	SPS10F3PEF0D	137700	SPS10F4PMF0D	110800	SPS10F4PEF0D	154000
1250	SPS12F3PMF0D	111200	SPS12F3PEF0D	154400	SPS12F4PMF0D	132500	SPS12F4PEF0D	175700
1600	SPS16F3PMF0D	131100	SPS16F3PEF0D	174300	SPS16F4PMF0D	154900	SPS16F4PEF0D	198200

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.

Description	Rated operational voltage	Reference	Unit MRP [₹]
Gear Motor (MCH)			
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	
Terminal Block			
For Fixed circuit breaker		47074	200
For Drawout circuit breaker		33098	
ON/OFF Indication contacts (OF) 1Part			
Changeover contact 6A	240V	47076	1100
Ready to close contact			
Changeover contact 5A	240V	47080	2600
Door interlock (VPECD)/1 part			
Right side of chassis		33172	2300

MasterPact MVS is now EasyPact MVS

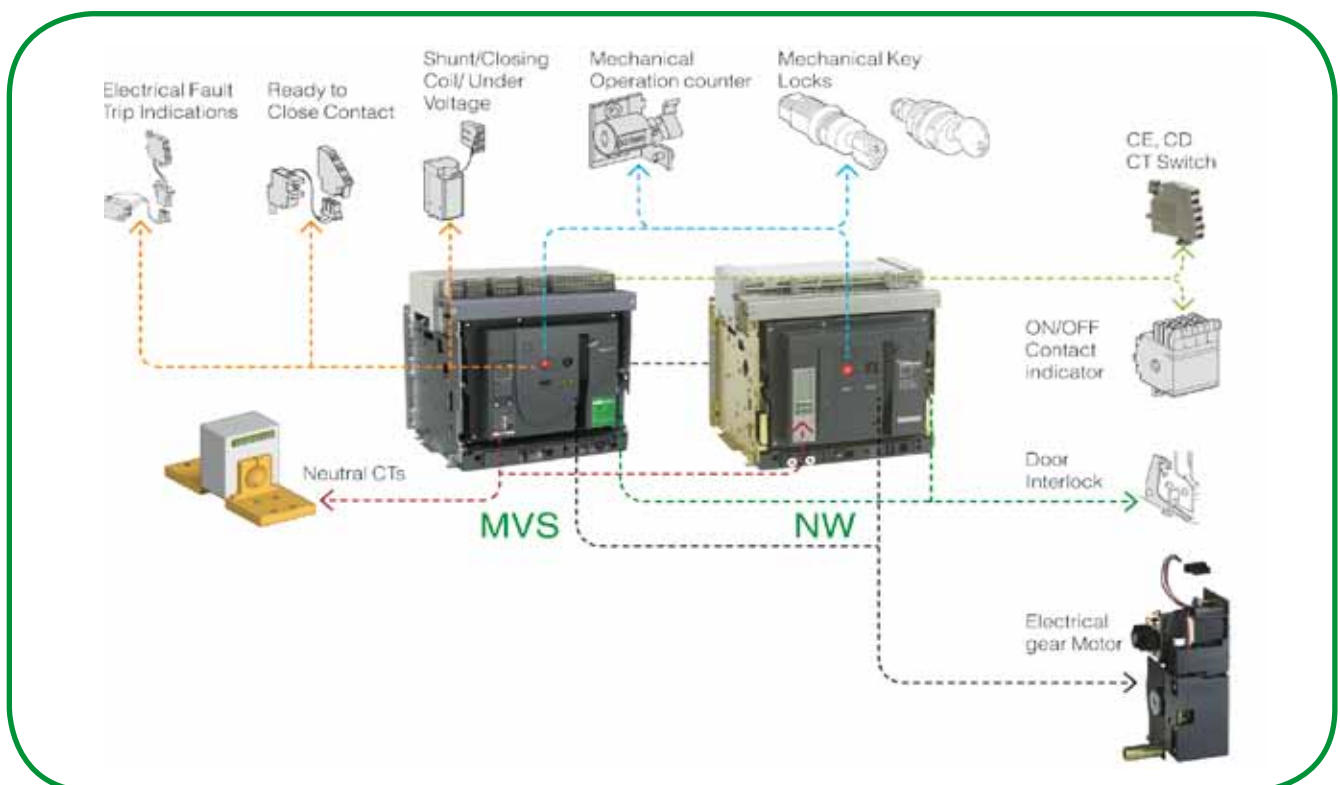


MasterPact MVS becomes Global offer as EasyPact MVS with

- 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
- Trip Units with built in Current and Voltage metering
- Same accessories of MasterPact NW



NW & MVS Share the same footprint of Masterpact Value System



EasyPact MVS

Selection Guide

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
EasyPact MVS (from 800 to 4000A) Icu=Ics=Icw= 50kA							
MVS	08 10 12 16 20 25 32 40	N	3 4	M N O P Q R S T	F W	2 5 6 0	L A V D

3	2	1	1	1	1	1	1	Digits used
								Type
								L Basic Protection
								A Protection+ current metering
								V Protection+ voltage metering
								D Switch Disconnecter
								Protection No.
								2 LI Protection
								5 LSI Protection
								6 LSI Protection
								0 No protection for switch disconnecter
								Type of Installation
								F Fixed
								W Withdrawable/ drawout
								Operating Mechanism
								M Manually Operated ACB/SD
								N Electrical 200/240 VAC MCH + XF + MX
								O Electrical 110/130 VAC MCH + XF + MX
								P Electrical 380/415 VAC MCH + XF + MX
								Q Electrical 200/250 VDC MCH + XF + MX
								R Electrical 100/125 VDC MCH + XF + MX
								S Electrical 48/60 VDC MCH + XF + MX
								T Electrical 24/30 VDC MCH + XF + MX
								Number of Poles
								3 3 Poles
								4 4 Poles
								Type based on breaking capacity
								N Circuit breaker/ switch disconnecter Icu=Ics=Icw (1sec)= 50kA
								Current Rating
								08 800A
								10 1000A
								12 1250A
								16 1600A
								20 2000A
								25 2500A
								32 3200A
								40 4000A

Example 1: MVS32N4NW6L

MVS	32	N	4	N	W	6	L
EasyPact MVS	3200A	50kA	4 Pole	Electrical operated	Withdrawable type	LSIG Protection	Basic trip unit with LED indications

Note: In case of different coil voltages of MCH, XF, MX. Kindly contact our nearest sales office.

ET/ETA/ETV Trip System NEW

A step towards intelligent Electrical Distribution Network



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



- 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
- ET2L provides Overload & Short-circuit protections
- Icu=Ics=Icw(1sec) = 50kA @ 440V 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	167150	MVS08N3NW6L	213000	MVS08N4MW6L	213050	MVS08N4NW6L	258900
1000	MVS10N3MW6L	182600	MVS10N3NW6L	228500	MVS10N4MW6L	230800	MVS10N4NW6L	276700
1250	MVS12N3MW6L	205300	MVS12N3NW6L	251200	MVS12N4MW6L	248200	MVS12N4NW6L	294100
1600	MVS16N3MW6L	224400	MVS16N3NW6L	270300	MVS16N4MW6L	290350	MVS16N4NW6L	336200
2000	MVS20N3MW6L	273750	MVS20N3NW6L	319600	MVS20N4MW6L	332950	MVS20N4NW6L	378800
2500	MVS25N3MW6L	332000	MVS25N3NW6L	377900	MVS25N4MW6L	407300	MVS25N4NW6L	453200
3200	MVS32N3MW6L	422400	MVS32N3NW6L	468300	MVS32N4MW6L	523000	MVS32N4NW6L	568900
4000	MVS40N3MW6L	511650	MVS40N3NW6L	557600	MVS40N4MW6L	649200	MVS40N4NW6L	695100

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	150900	MVS08N3NW2L	196800	MVS08N4MW2L	196800	MVS08N4NW2L	242700
1000	MVS10N3MW2L	166300	MVS10N3NW2L	212200	MVS10N4MW2L	214500	MVS10N4NW2L	260400
1250	MVS12N3MW2L	189000	MVS12N3NW2L	234900	MVS12N4MW2L	231900	MVS12N4NW2L	277800
1600	MVS16N3MW2L	208100	MVS16N3NW2L	254000	MVS16N4MW2L	274100	MVS16N4NW2L	319900
2000	MVS20N3MW2L	257500	MVS20N3NW2L	303300	MVS20N4MW2L	316700	MVS20N4NW2L	362600
2500	MVS25N3MW2L	315700	MVS25N3NW2L	361600	MVS25N4MW2L	391000	MVS25N4NW2L	436900
3200	MVS32N3MW2L	406100	MVS32N3NW2L	452000	MVS32N4MW2L	506700	MVS32N4NW2L	552600
4000	MVS40N3MW2L	495400	MVS40N3NW2L	541300	MVS40N4MW2L	632900	MVS40N4NW2L	678800

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	MVS08N3MW0D	142600	MVS08N3NW0D	184500	MVS08N4MW0D	187550	MVS08N4NW0D	229400
1000	MVS10N3MW0D	150850	MVS10N3NW0D	191200	MVS10N4MW0D	200500	MVS10N4NW0D	242300
1250	MVS12N3MW0D	172150	MVS12N3NW0D	212100	MVS12N4MW0D	226700	MVS12N4NW0D	271900
1600	MVS16N3MW0D	198000	MVS16N3NW0D	239900	MVS16N4MW0D	255950	MVS16N4NW0D	297800
2000	MVS20N3MW0D	243800	MVS20N3NW0D	285600	MVS20N4MW0D	311450	MVS20N4NW0D	355000
2500	MVS25N3MW0D	310500	MVS25N3NW0D	356400	MVS25N4MW0D	385750	MVS25N4NW0D	431700
3200	MVS32N3MW0D	400900	MVS32N3NW0D	443000	MVS32N4MW0D	498450	MVS32N4NW0D	540300
4000	MVS40N3MW0D	490150	MVS40N3NW0D	536000	MVS40N4MW0D	627700	MVS40N4NW0D	673600

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.

Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.



- 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
- ET6A provides Overload, Short-circuit, Instantaneous & Earth-fault protections with current metering
- ET2A provides Overload & Short-circuit protections with current metering
- Icu=Ics=Icw(1sec) = 50kA @ 440V AC

Draw-out Type circuit breaker with Microprocessor based ET6A Trip Unit (with current metering)

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	MVS08N3MW6A	175900	MVS08N3NW6A	221800	MVS08N4MW6A	221800	MVS08N4NW6A	267600
1000	MVS10N3MW6A	191300	MVS10N3NW6A	237200	MVS10N4MW6A	239500	MVS10N4NW6A	285400
1250	MVS12N3MW6A	214000	MVS12N3NW6A	259900	MVS12N4MW6A	256900	MVS12N4NW6A	302800
1600	MVS16N3MW6A	233100	MVS16N3NW6A	279000	MVS16N4MW6A	299000	MVS16N4NW6A	344900
2000	MVS20N3MW6A	282500	MVS20N3NW6A	328300	MVS20N4MW6A	341700	MVS20N4NW6A	387600
2500	MVS25N3MW6A	340700	MVS25N3NW6A	386600	MVS25N4MW6A	416000	MVS25N4NW6A	461900
3200	MVS32N3MW6A	431100	MVS32N3NW6A	477000	MVS32N4MW6A	531700	MVS32N4NW6A	577600
4000	MVS40N3MW6A	520400	MVS40N3NW6A	566300	MVS40N4MW6A	657900	MVS40N4NW6A	703800

Draw-out Type circuit breaker with Microprocessor based ET2A Trip Unit (with current metering)

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	MVS08N3MW2A	159600	MVS08N3NW2A	205500	MVS08N4MW2A	205500	MVS08N4NW2A	251400
1000	MVS10N3MW2A	175000	MVS10N3NW2A	220900	MVS10N4MW2A	223200	MVS10N4NW2A	269100
1250	MVS12N3MW2A	197700	MVS12N3NW2A	243600	MVS12N4MW2A	240700	MVS12N4NW2A	286500
1600	MVS16N3MW2A	216800	MVS16N3NW2A	262700	MVS16N4MW2A	282800	MVS16N4NW2A	328700
2000	MVS20N3MW2A	266200	MVS20N3NW2A	312100	MVS20N4MW2A	325400	MVS20N4NW2A	371300
2500	MVS25N3MW2A	324500	MVS25N3NW2A	370300	MVS25N4MW2A	399700	MVS25N4NW2A	445600
3200	MVS32N3MW2A	414900	MVS32N3NW2A	460700	MVS32N4MW2A	515400	MVS32N4NW2A	561300
4000	MVS40N3MW2A	504100	MVS40N3NW2A	550000	MVS40N4MW2A	641700	MVS40N4NW2A	687500

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.

Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.



- 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
- ET6V provides Overload, Short-circuit, Instantaneous & Earth-fault protections with current and voltage metering
- ET2V provides Overload & Short-circuit protections with current voltage metering
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec}) = 50\text{kA} @ 440\text{V AC}$

Draw-out Type circuit breaker with Microprocessor based ET6V Trip Unit (with voltage metering)

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	MVS08N3MW6V	184050	MVS08N3NW6V	230000	MVS08N4MW6V	229950	MVS08N4NW6V	275800
1000	MVS10N3MW6V	199500	MVS10N3NW6V	245400	MVS10N4MW6V	247700	MVS10N4NW6V	293600
1250	MVS12N3MW6V	222200	MVS12N3NW6V	268100	MVS12N4MW6V	265150	MVS12N4NW6V	311000
1600	MVS16N3MW6V	241300	MVS16N3NW6V	287200	MVS16N4MW6V	307250	MVS16N4NW6V	353100
2000	MVS20N3MW6V	290650	MVS20N3NW6V	336500	MVS20N4MW6V	349850	MVS20N4NW6V	395700
2500	MVS25N3MW6V	348900	MVS25N3NW6V	394800	MVS25N4MW6V	424200	MVS25N4NW6V	470100
3200	MVS32N3MW6V	439300	MVS32N3NW6V	485200	MVS32N4MW6V	539900	MVS32N4NW6V	585800
4000	MVS40N3MW6V	528550	MVS40N3NW6V	574500	MVS40N4MW6V	666100	MVS40N4NW6V	712000

Draw-out Type circuit breaker with Microprocessor based ET2V Trip Unit (with voltage metering)

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	MVS08N3MW2V	167800	MVS08N3NW2V	213700	MVS08N4MW2V	213700	MVS08N4NW2V	259600
1000	MVS10N3MW2V	183200	MVS10N3NW2V	229100	MVS10N4MW2V	231400	MVS10N4NW2V	277300
1250	MVS12N3MW2V	205900	MVS12N3NW2V	251800	MVS12N4MW2V	248900	MVS12N4NW2V	294700
1600	MVS16N3MW2V	225000	MVS16N3NW2V	270900	MVS16N4MW2V	291000	MVS16N4NW2V	336800
2000	MVS20N3MW2V	274400	MVS20N3NW2V	320300	MVS20N4MW2V	333600	MVS20N4NW2V	379500
2500	MVS25N3MW2V	332600	MVS25N3NW2V	378500	MVS25N4MW2V	407900	MVS25N4NW2V	453800
3200	MVS32N3MW2V	423000	MVS32N3NW2V	468900	MVS32N4MW2V	523600	MVS32N4NW2V	569500
4000	MVS40N3MW2V	512300	MVS40N3NW2V	558200	MVS40N4MW2V	649800	MVS40N4NW2V	695700

- (i) Top and Bottom horizontal terminations.
- (ii) 1 No. Electrical fault indication Contact (SDE).
- (iii) 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- (iv) 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.

Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.

Description	Rated Operational Voltage	Reference	Unit MRP [₹]
Gear Motor (MCH)			
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	
Closing Release (XF)			
AC 50/60 Hz DC	24/30 V DC	33659	5300
	48/60 V DC	33660	
	100/130 V AC/DC	33661 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	33662 <input checked="" type="checkbox"/>	
	380/480 V AC	33664	
Opening Release (MX)			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33659	5300
	48/60 V DC, 48 V AC	33660	
	100/130 V AC/DC	MVS15511 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	MVS15512 <input checked="" type="checkbox"/>	
	380/480 V AC	MVS15513 <input checked="" type="checkbox"/>	
Terminal Block			
For drawout circuit breaker		47849	200
Under Voltage Release (MN)			
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"/>	
MN Delay Unit			
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"/>	
	ON/OFF Indication Contacts (Additional OF contact)		
1 additional block of 4 contacts		47887	4800
Door Interlock (VPECD)/1 part			
On right hand side of chassis		47914 <input checked="" type="checkbox"/>	2600
Operation Counter			
Operation Counter CDM		48535	7450

Prisma iPM

Pre-Designed Low Voltage Distribution System



Unique kit solution, optimally designed with **Your Safety** in mind !!

- Tested and compliant with IEC 61439-1 & 2.
- Fully integrates Schneider Electric switchgear.



Give your business a new dimension with **Prisma iPM:**



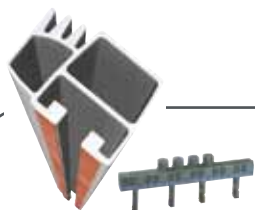
Standardized & tested switchboard

- Solution designed as per IEC 61439-1 and 2
- Maximum short circuit withstand 85kA/1sec
- Device layout completely in line with thermal and electrodynamic performance



Pre fabricated, Modular, Kit design

- Two versions: Wall mounted and Floor standing for applications upto 4000A
- Quick assembly time
- Attractive design



Unique current distribution solution

- Patented linergy busbars: A new generation of channeled busbars
- Distribution blocks that blend perfectly with the devices



**Improved
continuity
of service**



**Safety and
durability**



**High long-term
profitability**

Note: For more information please contact your nearest Sales Office.

Masterpact NT and NW



- 630A to 6300A
- Breaking Capacity upto 150kA
- Fixed, Draw out type
- Solution for 690V and 1000V
- Earthing switch version
- DC Circuit Breaker version
- Built-in energy metering (1.5% accuracy class)
- Smart Integration over Communication Network
- Total Discrimination

3 sizes



Masterpact NT 630 to 1600A



Masterpact NW 800 to 4000A



Masterpact NW 4000 to 6300A



Micrologic E Micrologic P Micrologic H

L1 150kA	■	■	■		
H2 50kA	■	■	■	■	■
H1 42kA	■	■	■	■	■
	NT 06	NT 08	NT 10	NT 12	NT 16

L1 150kA	■	■	■	■	■			
H3 150kA		■	■	■	■			
H2 100kA	■	■	■	■	■	■	■	
H1 65kA	■	■	■	■	■	■	■	
N1 42kA	■	■	■	■				
	NW08	NW10	NW12	NW16	NW20	NW25	NW32	NW40

H2 150kA	■	■	■
H1 100kA	■	■	■
	NW 40b	NW 50	NW 63

Masterpact NT and NW

Selection Guide

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
NW	06	N1	3P	M	F	2.0	E
NT	08	H1	4P	E	DO	5.0	P
	10	H2				6.0	H
	12	H3				7.0	-
	16	H10				0	-
	20	L1					
	25	NA					
	32	HA					
	40	HF					
	40b	HA10					
	50						
63							

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
							Type
							E Energy Parameters
							P Power Parameters
							H Harmonics Parameters
							- Switch Disconnector
							Protection No.
							2.0 LI Protection
							5.0 LSI Protection
							6.0 LSIG Protection
							7.0 LSIV Protection
							0 No protection for switch disconnector
							Type of Installation
							F Fixed
							DO Drawout
							Operating Mechanism
							M Manually Operated ACB/SD
							E Electrically Operated MCH + XF + MX
							Number of Poles
							3P 3 Poles
							4P 4 Poles
							Breaking Capacity
							N1 42kA (in NW only upto 1600A)
							H1 42kA (in NT) and 65kA (in NW)
							H2 50kA (in NT) and 100kA (in NW upto 4000A, frame 1)
							H3 150kA (in NW upto 4000A, frame 1)
							H10 available for 1000V NT and NW (upto 4000A, frame 1)
							L1 150kA current limiting breaker (upto 1000A in NT and upto 2000A in NW)
							NA Switch disconnector upto 1600A in NW
							HA Switch disconnector upto 1600A in NW and NT
							HF Switch disconnector upto 4000A in NW
							HA10 Switch disconnector for 1000V NT
							Current Rating
							06 630A Available in NT
							08 800A Available in NT and NW
							10 1000A Available in NT and NW
							12 1250A Available in NT and NW
							16 1600A Available in NT and NW
							20 2000A Available in NW
							25 2500A Available in NW
							32 3200A Available in NW
							40 4000A Available in NW
							40b 4000A Available in NW
							50 5000A Available in NW
							63 6300A Available in NW

Example 1: **NW32H14PEDO6.0E**

NW	32	H1	4P	E	DO	6.0	E
Masterpact NW	3200A	65kA	4 Pole	Electrical operated	Drawout	LSIG Protection	Trip unit with Energy Metering

Example 2: **NT08H13PMF6.0P**

NT	08	H1	3P	M	F	6.0	P
Masterpact NT	800A	42kA	3 Pole	Manually operated	Fixed	LSIG Protection	Trip unit with Power Metering

Micrologic trip system Overview of functions

Micrologic name codes

2.0 E
X Y Z

X: type of protection

- 2 for basic protection
- 5 for selective protection
- 6 for selective + earth-fault protection
- 7 for selective + earth-leakage protection.

Y: control-unit generation

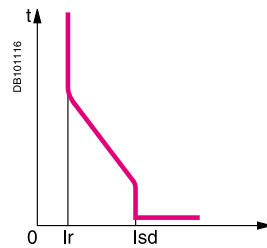
Identification of the control-unit generation.
"0" signifies the first generation.

Z: type of measurement

- E for "Energy"
- P for "power meter"
- H for "harmonic meter".

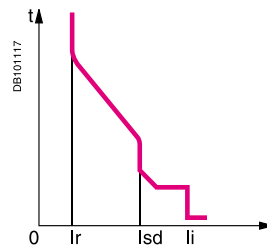
Current protection

Micrologic 2: basic protection



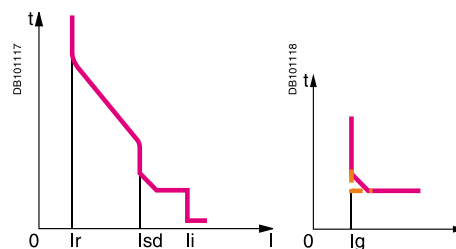
Protection:
long time
+ instantaneous

Micrologic 5: basic protection



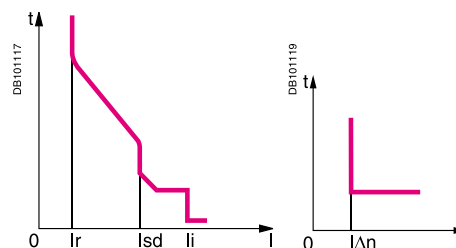
Protection:
long time
+ short time
+ instantaneous

Micrologic 6: selective + earth-fault protection



Protection:
long time
+ short time
+ instantaneous
+ earth fault

Micrologic 7: selective + earth-leakage protection



Protection:
long time
+ short time
+ instantaneous
+ earth leakage up to 3200A

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, $V_{\text{peak}}, A_{\text{peak}}$, 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 E

Energy efficiency, now within your reach



Micrologic E is a new optimized and affordable trip unit to democratize Energy Efficiency in the high power breakers

Micrologic E control unit across facility can easily help gather, analyze and report data to reveal opportunities, to drive energy efficient behaviour and validate savings from equipment upgrade or process changes.

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

ATS Kit

Suitable for Masterpact NT/ NW ACB

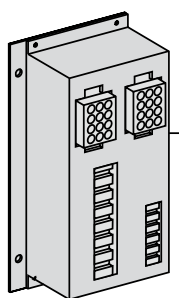
This Kit comprises of :

- > 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

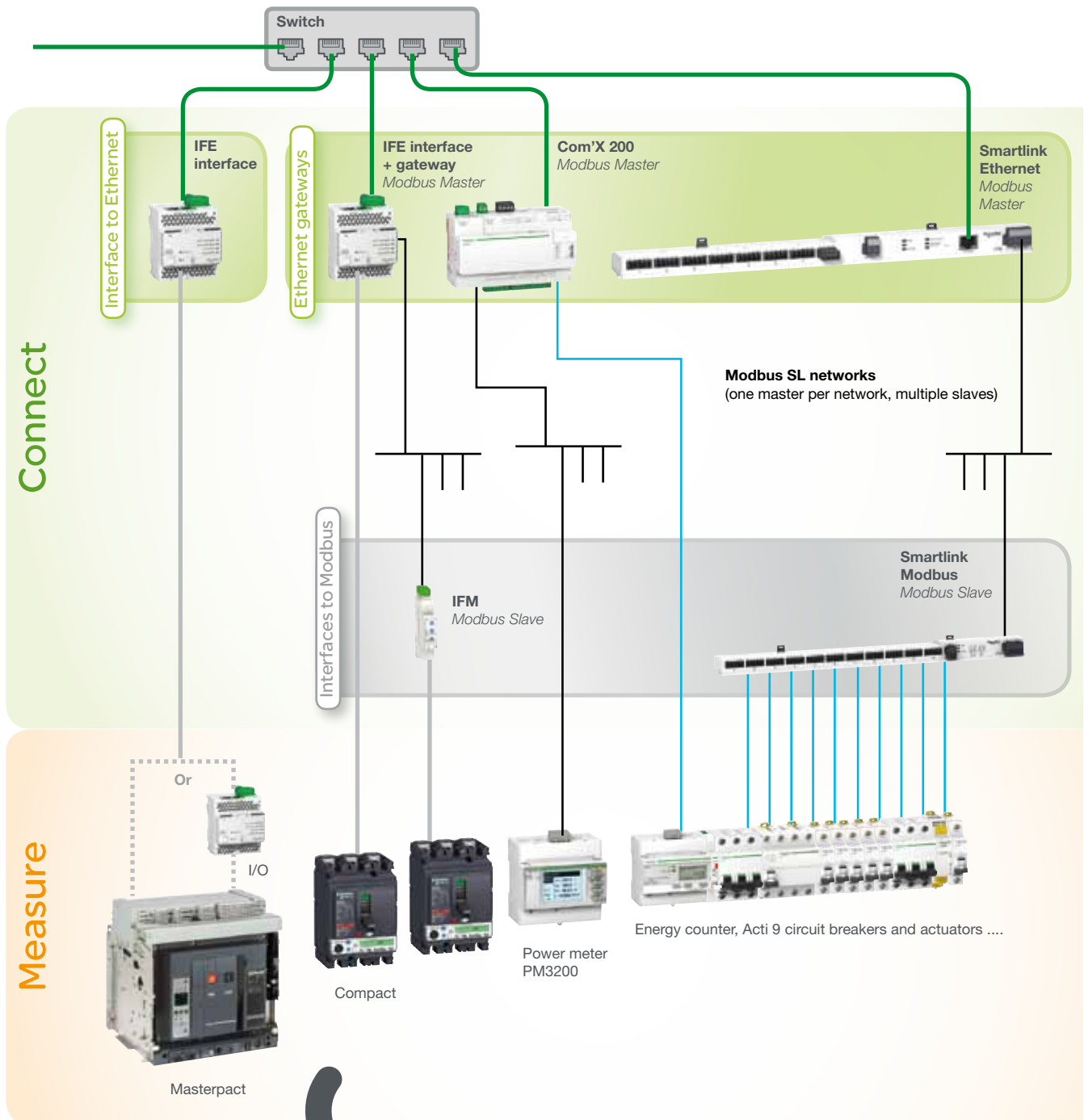


Mechanical interlocking using cable

Description	Reference	Unit MRP [₹]
ATS Kit for Masterpact NT EDO type with BA 415VAC controller	INA_NTDOB4	115000
ATS Kit for Masterpact NT EDO type with UA 415VAC controller	INA_NTDOU4	131920
ATS Kit for Masterpact NW EDO type with BA 415VAC controller	INA_NWDOB4 <input checked="" type="checkbox"/>	124590
ATS Kit for Masterpact NW EDO type with UA 415VAC controller	INA_NWDOU4 <input checked="" type="checkbox"/>	131920

**ATS Kit with for Fixed Breaker and BA controller with 240VAC, contact our nearest Sales Office

Smart Panel Architecture

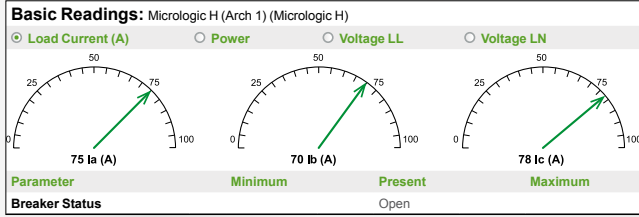


- > This diagram clearly shows the equipment involved into the "Measure" and "Connect" functionalities defining the Smart Panel concept
- > Interface: provides a network port to one or several devices (circuit breakers, actuators, counters,...) from their hard wired or ULP links
- > Gateway: ensures the communication between two networks with different protocols (Ethernet and Modbus)

Smart Panel Architecture

Web pages generated by IFE interface + gateway

Monitoring of electrical values - Breaker status



Information for Maintenance

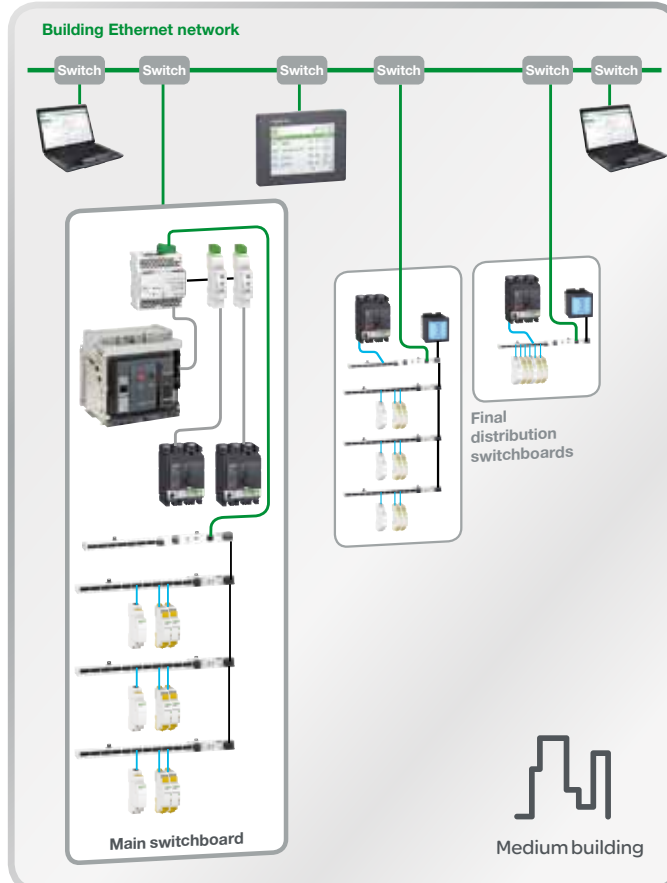
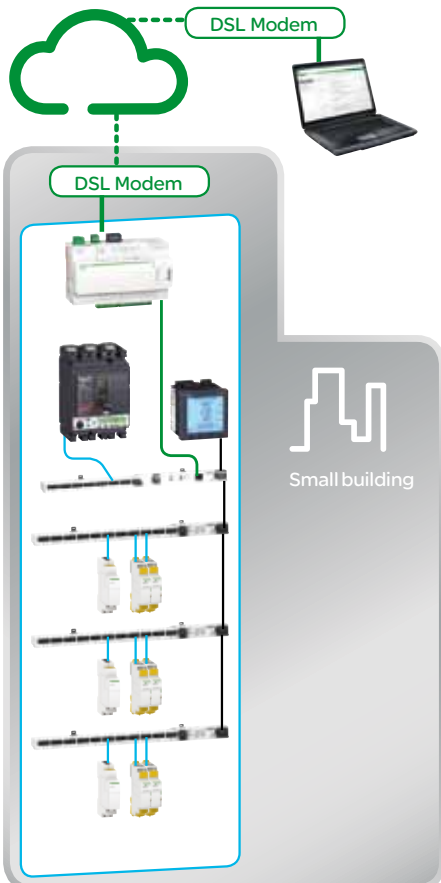
Micrologic H (Arch 1) (Micrologic H)

Breaker operation Counters	
Counters	Value
Total number of indication contacts (OF) operation	54
Indication contacts (OF) operation since last reset	54
Trip indication contact (SD) operation	---
Fault trip indication contact (SDE) operation	78









Breaker operation Counters	
Counters	Value
Contact wear indicator	--- %

Cradle Counters	
Counters	Value
Cradle connected	62
Cradle disconnected	20
Cradle test	7

- Ethernet
- Modbus
- ULP
- Hard wired



Enerlin'X Components

Enerlin'X communication devices and displays									
	Name	Function	Port		Bin. Input	Analog. Input	Bin. Output	Cial. Ref.	
			(to device)	(to server)					
A		Com'X 200	Energy Server with Ethernet Gateway ⁽¹⁾ function	Modbus Master	Ethernet cable + WiFi	6	2	-	EBX200
B		FDM128	Ethernet LCD colour touch screen	-	Ethernet	-	-	-	FLV434128
C		FDM121	LCD display for circuit breaker	ULP	-	-	-	-	TRV00121
D		IFE interface + gateway	Ethernet interface ⁽²⁾ & Gateway	Modbus Master & ULP	Ethernet	-	-	-	LV434011
		IFE interface	Ethernet interface for circuit breakers	ULP	Ethernet	-	-	-	LV434010
E		Acti 9 Smartlink Ethernet	Ethernet interface ⁽²⁾ & Gateway	Modbus Master	Ethernet	14	2	7	A9XMEA08
F		Acti 9 Smartlink Modbus	Modbus interface with Input/Output functions	-	Modbus Slave	22	-	11	A9XMSB11
G		IFM	Modbus interface for circuit breaker	ULP	Modbus Slave	-	-	-	TRV00210
H		I/O	Input/Output application module for circuit breaker	ULP	ULP	6	-	3	LV434063

- 1) Gateways: transfers data from a network to another (ie.: Modbus to Ethernet)
 2) Interface: transfers data from an equipment to a network. (ie.: ULP to Modbus)



Plug and play commissioning tools give a real peace of mind to panel builders as their panels can be functionally checked before delivery.

Commissioning / maintenance tools

Web pages embedded into Com'X 200 and Acti 9 Smartlink Ethernet gateways

Access with a standard PC and common browser:

- commissioning
- communication diagnosis
- functional tests...

Electrical Asset Manager

Loaded into a standard PC Error free commissioning.

Time saving, easier management and maintenance thanks to the advanced services:

- project management
- configuration of controllers, gateways, ...
- test of communication networks, diagnostic report...

Total leadership

> **Innovative**

> **Reliable**

> **Simple**

EasyPact TVS



TeSys Starter Solutions



Industrial Starters



TeSys T Motor Management System



K Contactors



TeSys U Compact Motor Starter



D Contactors



Switching and Control

★ More than 90 years of continuing innovation

F Contactors



Electronic Motor Protection Relays



Bar Contactors



LR Thermal Relays



Switches/ Fuse Disconnectors



GV7 Circuit Breakers



GV2 Circuit Breakers



GV3 Circuit Breakers



EasyPact TVS

The Easy choice for **simplicity** and **flexibility**

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



EasyPact TVS Adds the 4th Dimension...



ETVS 4Pole Contactor



Power Continuity

Power Contactors LC1E (3 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 6A to 630A
- Safety & Reliability
- Type 2 co-ordination chart available with Fuse, MPCB and MCCB.
- Ambient Temperature upto 60°C.

[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"/>	840
				1	-	LC1E0610* <input checked="" type="checkbox"/>	840
25 A	9 A	5.5	4	-	1	LC1E0901* <input checked="" type="checkbox"/>	855
				1	-	LC1E0910* <input checked="" type="checkbox"/>	855
25 A	12 A	7.5	5.5	-	1	LC1E1201* <input checked="" type="checkbox"/>	965
				1	-	LC1E1210* <input checked="" type="checkbox"/>	965
32 A	18 A	12	9	-	1	LC1E1801* <input checked="" type="checkbox"/>	1100
				1	-	LC1E1810* <input checked="" type="checkbox"/>	1100
36A	25 A	15	11	-	1	LC1E2501* <input checked="" type="checkbox"/>	1515
				1	-	LC1E2510* <input checked="" type="checkbox"/>	1515
50 A	32 A	20	15	-	1	LC1E3201* <input checked="" type="checkbox"/>	3090
				1	-	LC1E3210* <input checked="" type="checkbox"/>	3090
50 A	38 A	25	18.5	-	1	LC1E3801* <input checked="" type="checkbox"/>	3875
				1	-	LC1E3810* <input checked="" type="checkbox"/>	3875
60 A	40 A	29	22	1	1	LC1E40* <input checked="" type="checkbox"/>	4925
70 A	50 A	34	25/30	1	1	LC1E50*	6120
80 A	65 A	50	37	1	1	LC1E65* <input checked="" type="checkbox"/>	8245
110A	80 A	60	45	1	1	LC1E80* <input checked="" type="checkbox"/>	10290
120 A	95 A	60	45	1	1	LC1E95* <input checked="" type="checkbox"/>	11930
150 A	120 A	75	55	1	1	LC1E120*	15080
200 A	160 A	120	90	1	1	LC1E160*	19815
250 A	200 A	150	110	-	-	LC1E200*	27860
300 A	250A	175	132	-	-	LC1E250*	33015
320 A	300 A	215	160	-	-	LC1E300*	39525
500 A	400	295	220	-	-	LC1E400	49285
700 A	500	375	280	-	-	LC1E500	69420
1000 A	630	500	375	-	-	LC1E630	98565

While ordering a contactor, please specify reference and coil voltage

* VOLTAGE	24	110	220	240	415
Standard contactor	B5	F5	M5	U5	N5
Wide band coil contactor	-	-	M5WB	-	N5WB

Non Standard Voltage/code: 48 VAC/E5, 380 VAC/Q5, 440 VAC/R5

Please add ₹ 100/- while ordering Contactors with Non Standard Voltages.

Please add ₹ 100/- for wide band coil contactor from 9A to 18A (65% Uc 120%) & ₹ 100/- for 25A to 38A (70% Uc 120%)

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Power Contactores LC1E(4 Pole AC Control)

- 4 Pole contactors from 16 to 125AAC-1 duty
- Available with 4NO and 2NO+2NC combination power contacts
- Global offer, Conformity to IEC 60947-4-1 & CE marking
- Wide band Coil for all ratings in 220V and 415V - 70% to 120% U_c
- High operational ambient temperature: upto 60°C
- High electrical and mechanical life

AC-1 Rating @ 60°C	Power Poles	Reference	Unit MRP [₹]	Power Poles	Reference	Unit MRP [₹]
16	4NO	LC1E06004*	1055	2NO + 2NC	LC1E06008*	1170
20	4NO	LC1E09004*	1080	2NO + 2NC	LC1E09008*	1230
25	4NO	LC1E12004*	1190	2NO + 2NC	LC1E12008*	1350
32	4NO	LC1E18004*	1250	2NO + 2NC	LC1E18008*	1490
40	4NO	LC1E25004*	1980	2NO + 2NC	LC1E25008*	2450
45	4NO	LC1E32004*	3300	2NO + 2NC	LC1E32008*	3800
50	4NO	LC1E38004*	3900	2NO + 2NC	LC1E38008*	4800
60	4NO	LC1E40004*	6150	2NO + 2NC	LC1E40008*	7400
80	4NO	LC1E65004*	8350	2NO + 2NC	LC1E65008*	8850
100	4NO	LC1E80004*	10400	2NO + 2NC	LC1E80008*	13100
125	4NO	LC1E95004*	12050	2NO + 2NC	LC1E95008*	15700

* Reference to be completed by adding coil voltage code

Control Relays CAE

Auxiliary Contacts		Reference	Unit MRP [₹]
NO	NC		
4	0	CAE40*	905
3	1	CAE31*	
2	2	CAE22*	

While ordering contactor and control relays, please specify reference and coil voltage

* Voltage	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 ₹100 while ordering non-standard voltages

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Thermal Overload Relay



- Conformance to IEC 60947-4-1
- CE Marking
- Trip Class: 10A

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP [₹]	
LRE				
0.1...0.16 A	E06...E38	LRE01	1265	
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"/>		1490
16...24 A	E25...E38	LRE22 <input checked="" type="checkbox"/>		1715
23...32 A	E25...E38	LRE32 <input checked="" type="checkbox"/>	2260	
30...38 A	E38	LRE35 <input checked="" type="checkbox"/>	2720	
17...25 A	E40...E95	LRE322	2750	
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		
55...70 A	E80...E95	LRE361		
63...80 A	E80...E95	LRE363		
80...104 A	E95	LRE365		
51...81 A	E120...E300	LRE480		
62...99 A	E120...E300	LRE481		
84...135 A	E120...E300	LRE482	8150	
124...198 A	E160...E300	LRE483		
146...234 A	E200...E300	LRE484		
174...279 A	E250...E300	LRE485		
208...333 A	E300	LRE486		
258...414 A	E300...E400	LRE487		
321...513 A	E500	LRE488		
394...630 A	E630	LRE489		
8895				
10145				
11450				

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit MRP: ₹ 470
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit MRP: ₹ 1400

Accessories

For Use With Type LC1E	Control Circuit Voltage	Mounting	Reference	Unit MRP [₹]
Add-on Blocks and Star Delta Timer Blocks				
LC1E06...E300 LC1E0600*...LC1E9500*		Front	LAEN11 <input checked="" type="checkbox"/>	240
			LAEN20 <input checked="" type="checkbox"/>	
			LAEN02 <input checked="" type="checkbox"/>	
			LAEN22 <input checked="" type="checkbox"/>	
LC1E25...E300 LC1E2500*...LC1E9500*			LAEN40 <input checked="" type="checkbox"/>	420
			LAETSD <input checked="" type="checkbox"/>	1910

Accessories

For Use with Type LC1E	Control Circuit Voltage	Reference	Unit MRP [₹]
Surge Suppressors (3 and 4 pole)			
LC1E06...E95	24..48 V AC	LAERCE	680
LC1E06...E95	50..127 V AC	LAERCG	
LC1E06...E95	110..240 V AC	LAERCU	
LC1E06...E95	380..415 V AC	LAERCN	
Mechanical Interlock Blocks (3 and 4 pole)			
LC1E06..E65 & LC1E0600*..E3800*		LAEM1	435
LC1E80/E95 & LC1E4000*...LC1E9500*		LAEM4	1460
LC1E120..E160		LAEM5	2735
LC1E200/E250		LAEM6	2785
LC1E300		LAEM7	3540

Spare Coils

Contactor	Reference	Unit MRP [₹]
CAE, LC1E06...E18	LAEX1**	695
LC1E25	LAEX12**	
LC1E32/E38	LAEX2**	855
LC1E40/E65	LAEX3**	1270
LC1E80/E95	LAEX4**	1595
LC1E120/E160	LAEX5**	1780
LC1E200/E250	LAEX6**	2490
LC1E300	LAEX7**	2710

**CODE	F5	M5	N5
VOLTAGE	110	220	415

Note: Please add ₹ 100/- while ordering coil with Non Standard Voltages.

EasyPact TVS Motor Protection Circuit Breaker



- Conforming to IEC 60947-2-3-4
- CE Marking
- Breaking Capacity up to 100 kA

Breaking Capacity at 415 V 50 Hz	Motor Power AC3** KW hP	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]	
GZ1-E Thermal Magnetic- With Pushbutton control					
100 kA	-	0.1 - 0.16	GZ1E01	2450	
	0.06	-	0.16 - 0.25		GZ1E02
	0.09	-	0.25 - 0.40		GZ1E03
	0.18	-	0.40 - 0.63		GZ1E04
	0.37	0.5	0.63 - 1.0	GZ1E05	2755
	0.55	0.75	1.0 - 1.6	GZ1E06	
	0.75	1	1.6 - 2.5	GZ1E07	2765
	1.1	2	2.5 - 4	GZ1E08	
	2.2	3	4 - 6.3	GZ1E10	2860
	3	5.5	6 - 10	GZ1E14	2960
5.5	7.5	9 - 14	GZ1E16	3335	
7.5	10	13 - 18	GZ1E20	3585	
10 kA	9	12.5	17 - 23	GZ1E21	3960
	11	15	20 - 25	GZ1E22	4165
	15	20	24 - 32	GZ1E32	7555

Accessories for Motor Protection Circuit Breaker

Description	Reference	Unit MRP [₹]
Side Contact	NO+NC	GZ1AN11
	NO+NO	GZ1AN20
		730
		875

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

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W.E.F. December 19, 2014

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Control Relays - K model (AC & DC Control)



- Conformity to International Standards – IEC, UL, CSA
- Inbuilt 4 auxiliary contacts
- 10A thermal rating , AC/DC and DC low consumption coils available

No of Poles	AC Control Reference	Unit MRP [₹]	DC Control Reference	Unit MRP [₹]	DC low consumption Reference ^{(1) (2) (3)}	Unit MRP [₹]
2NO + 2NC	CA2KN22*	1115	CA3KN22**	1485	CA4KN22***	1730
3NO + 1NC	CA2KN31*		CA3KN31**		CA4KN31***	
4NO + 0NC	CA2KN40*		CA3KN40**		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)



- Conformity to International Standards – IEC, UL, CSA
- Power contactors from 6 to 16 Amps in AC-3 duty, AC/DC coils
- 1NO or 1NC inbuilt auxiliary contact

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference	Unit MRP [₹]
6	3	1 NC	LC1K0601*	935	LP1K0601**	1380
		1 NO	LC1K0610*		LP1K0610**	
9	5.5	1 NC	LC1K0901*	990	LP1K0901**	1470
		1 NO	LC1K0910*		LP1K0910**	
12	7.5	1 NC	LC1K1201*	1100	LP1K1201**	1710
		1 NO	LC1K1210*		LP1K1210**	
16	10	1 NC	LC1K1601*	1280	-	-
		1 NO	LC1K1610*		-	-

Reversing Contactors - K model



- Conformity to International Standards – IEC, UL, CSA
- Reversing contactors from 6 to 16 Amps in AC-3 duty , 3 pole versions AC/DC coils
- 1NO or 1NC inbuilt auxiliary contact

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit MRP [₹]
6	3	1 NC	LC2K0601*	2820
		1 NO	LC2K0610*	
9	5.5	1 NC	LC2K0901*	2975
		1 NO	LC2K0910*	
12	7.5	1 NC	LC2K1201*	3070
		1 NO	LC2K1210*	
16	10	1 NC	LC2K1601*	3435
		1 NO	LC2K1610*	

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 ₹ 175/- to the unit MRP of the standard contactor of the same rating.

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

NORMAL STOCK ITEMS

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Accessories - K Model

Description	Contacts	Reference	Unit MRP [₹]
Add On Blocks			
Control Relays/Contactors			
Auxiliary contact block TeSys	0 NO + 2 NC	LA1KN02	300
	1 NO + 1 NC	LA1KN11 <input checked="" type="checkbox"/>	
	2 NO + 0 NC	LA1KN20	
	0 NO + 4 NC	LA1KN04	475
	1 NO + 3 NC	LA1KN13	
	2 NO + 2 NC	LA1KN22 <input checked="" type="checkbox"/>	
	3 NO + 1 NC	LA1KN31	
4 NO + 0 NC	LA1KN40		
On Delay Electronic timers - 24...48 V AC/DC, 1...30 s		LA2KT2E ⁽¹⁾	1590
On Delay Electronic timers - 110...240 V AC, 1...30 s		LA2KT2UA ⁽¹⁾	
Suppressor module - RC circuit - 220..250 V AC		LA4KA1U*	480
Suppressor module - varistor - 130..250 V AC/DC		LA4KE1UG*	
Suppressor module - varistor - 50..129 V AC/DC		LA4KE1FC*	
* Lot Size 5			
(1) Front mounted with common point changeover contact.			

Thermal Overload Relays - LR2-K Model (Direct Mounting)



- Conformity to International Standards – IEC, UL, CSA
- Range available - upto 0.1A to 16A
- Direct mounting on contactors is possible upto 16A

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]
0.11...0.16 A	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0301	1450
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	
12...16 A		LR2K0322	

* Note: Terminal Block for Clip-on Mounting LA7K0064 Unit MRP ₹ 515/-

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

TeSys D Control Relays



- Conformity to International standards - IEC, UL, CSA, CE
- Up to 5 inbuilt auxiliary contacts
- High temperature limits.

No of Poles	AC Control Reference	Unit MRP [₹]	DC Control Reference ⁽²⁾	Unit MRP [₹]	DC low consumption Reference ^{(1) (2) (3)}	Unit MRP [₹]
3NO+2NC	CAD32*	1125	CAD32**	1685	CAD32***	2005
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 contact block can be mounted additionally

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



- Conformity to International Standards – IEC, UL, CSA, CE
- 9-150 Amps, 3 and 4 pole versions, AC/DC coils
- High temperature limits
- Different levels of power and control contacts
- Inbuilt 1 NO + 1 NC auxiliary contacts
- High electrical life
- Fuse-less Type 2 Coordination Charts available

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference ⁽¹⁾	Unit MRP [₹]
	kW	hP	A	kW	hP	A					
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09* <input checked="" type="checkbox"/>	1165	LC1D09** <input checked="" type="checkbox"/>	1730
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12* <input checked="" type="checkbox"/>	1290	LC1D12** <input checked="" type="checkbox"/>	1865
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18* <input checked="" type="checkbox"/>	1445	LC1D18** <input checked="" type="checkbox"/>	2430
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25* <input checked="" type="checkbox"/>	1850	LC1D25** <input checked="" type="checkbox"/>	3030
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32* <input checked="" type="checkbox"/>	3790	LC1D32** <input checked="" type="checkbox"/>	6500
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38* <input checked="" type="checkbox"/>	5545	LC1D38** <input checked="" type="checkbox"/>	7515
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A* <input checked="" type="checkbox"/>	5850	LC1D40A**	7805
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A* <input checked="" type="checkbox"/>	6880	LC1D50A**	10290
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A* <input checked="" type="checkbox"/>	9625	LC1D65A**	12180
125	45	60	80	55	75	105	1 NO + 1 NC	LC1D80* <input checked="" type="checkbox"/>	12230	LC1D80**	14745
	45	60	95	55	75	110	1 NO + 1 NC	LC1D95* <input checked="" type="checkbox"/>	14765	LC1D95**	18150
250	59	80	115	-	-	-	1 NO + 1 NC	LC1D1156* <input checked="" type="checkbox"/>	17800	LC1D1156**	18470
	80	110	150	-	-	-	1 NO + 1 NC	LC1D1506* <input checked="" type="checkbox"/>	23450	LC1D1506**	24260

(1) Wide Range Coil (0.7...1.25Uc) with suppressor fitted as standard up to 65A.

DC Low Consumption Contactors (3 Pole)

[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"/>	2235
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2330
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	2700
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25**** <input checked="" type="checkbox"/>	4595
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32**** <input checked="" type="checkbox"/>	7645

Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CAD, LC1-D09...to D38, D40A, 50A, 65A & D150 50/60Hz	B7	-	-	F7	M7	N7
	LC1-D80...to D95 & D115 50Hz	B5	-	-	F5	M5	N5
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 ₹ 175/- to the unit MRP of the Standard Contactor for the same rating.

For additional auxiliary block, timers & other accessories, please see page 9 and page 10

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

NORMAL STOCK ITEMS

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



- Conformity to International Standards – IEC, UL, CSA, CE
- 20A to 250AAC1 Rating
- In-built 1NO+1NC auxiliary contact, up to 40A
- High Temperature limits

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit MRP [₹]	DC control Reference	Unit MRP [₹]
20	4NO	-	-	LC1DT20**	1880
	2NO+2NC	-	-	LC1D098**	2210
25	4NO	-	-	LC1DT25**	2395
	2NO+2NC	-	-	LC1D128**	3165
32	4NO	-	-	LC1DT32**	2845
	2NO+2NC	-	-	LC1D188**	3710
40	4NO	-	-	LC1DT40**	4470
	2NO+2NC	-	-	LC1D258**	5885
60	4NO	-	-	LC1DT60A**	9395
	2NO+2NC	-	-	LP1D40008**	11100
80	4NO	-	-	LC1DT80A**	13155
	2NO+2NC	-	-	LP1D65008**	15850
125	4NO	-	-	LP1D80004**	17510
	2NO+2NC	-	-	LP1D80008**	19780
250	4NO	LC1D1150046**	23750	LC1D1150046**	24605

Coil Voltage Code

	VOLTAGE			
	24	110	220	415
LC1D115 50Hz	-	F5	M5	N5
DC** 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 ₹ 175/- to the unit MRP of the standard contactor of the same rating.

Capacitor Duty Contactors (AC Control)



- Special Contactors designed for switching 3Phase capacitors
- Conformity to IEC Standards
- Current limitation by the inbuilt damping resistors
- 1NO + 1NC inbuilt auxiliary contact

Nominal Reactive Power 440 V	Auxiliary Contacts	Reference	Unit MRP [₹]
LC1-D•K - with Damping Resistors & Block of Early Make poles			
12.5 kVar	1 NO + 1 NC	LC1DFK11*	2475
16.7 kVar	1 NO + 1 NC	LC1DGG11*C	3505
20 kVar	1 NO + 1 NC	LC1DLK11*	4080
25 kVar	1 NO + 1 NC	LC1DMK11*C	4540
33.3 kVar	1 NO + 2 NC	LC1DPK*C	9670
40 kVar	1 NO + 2 NC	LC1DTK*C	13430
60 kVar	1 NO + 2 NC	LC1DWK*C	15425

* Coil Voltage Code

VOLTAGE	110	220
LC1DPK ...DWK 50HZ	F7	M7

Note: For ordering contactors with other coil voltages & frequencies, please add ₹ 175/- to the unit MRP of the standard contactor of the same rating.

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Accessories - For D Model Contactors

Description		Contacts	Reference	Unit MRP [₹]	
Add On Blocks					
Additional instantaneous auxiliary contact blocks	Front Mounted	1 NO	LADN10*	175	
		1 NC	LADN01*		
		1 NO+1NC	LADN11 ✓	330	
		2 NO	LADN20 ✓		
		2 NC	LADN02		
	Side Mounted ⁽¹⁾	2 NO+2NC	LADN22 ✓	555	
		4 NC	LADN04		
		4 NO	LADN40 ✓	555	
		1 NO+3NC	LADN13		
		3 NO+1NC	LADN31 ✓		
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	2030	
		1 NO+1NC 0.1..30s	LADT2		
		1 NO+1NC 10..180s	LADT4		
		1 NO+1NC 1..30s ⁽²⁾	LADS2 ✓	2170	
	OFF delay	1 NO+1NC 0.1 ..3s	LADR0		2030
		1 NO+1NC 0.1 ..30s	LADR2 ✓		
		1 NO+1NC 10..180s	LADR4		
	Set of shims to be used with 4 pole contactors			LA9D511	795

(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 80 Amps, 95A & Model F Contactors only

Description	Time Delay Range	Timer Type	Reference	Unit MRP [₹]
On delay timer ⁽¹⁾⁽²⁾	15...30 s	On delay	LA4DT2U	2445
On delay timer ⁽¹⁾⁽²⁾	0.1...2 s	On delay	LA4DT0U	
On delay timer ⁽¹⁾⁽²⁾	25...500 s	On delay	LA4DT4U	
Relay interface module - 24V DC ⁽¹⁾⁽²⁾	-	-	LA4DFB	2255

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB - MRP ₹ 460/- and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3 - MRP ₹ 430/-.

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

Mounting Location	For Use With Contactor	Reference	Unit MRP [₹]
For D Model Mechanical Latch Blocks			
Front, Clip-on	LC1 D09...D38 (~ or ---) LC1 DT20...DT40 (~ or ---) LC1 D40A...D65A (3P ~ or ---) LC1DT60A AND DT80A (4P ~ or ---)	LAD6K10*	2945
	LC1 D80...D150 (3P ~) LC1 D80 AND D115 (3 P ---) LC1 D80 (4 P ~) LC1 D80 AND D115 (4 P ~) LP1 D80 AND LC1 D115 (4 P ---)	LA6DK20*	3080

* Replace by Voltage Code (AC 50/60 Hz / DC)

Note: For ordering Mechanical Latch Block with other coil voltages, please add Rs. 175/- to the unit MRP 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

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

✓ NORMAL STOCK ITEMS

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Accessories - D Model

For use with contactor	Reference	Unit MRP [₹]
Mechanical interlock		
LC1D09..D38 , LC1DT20..DT40	LAD9V2 ⁽¹⁾	460
LP1D 40..65, LC1D80..95	LA9D4002	2040
LP1D 80	LA9D8002	3080
LC1D115.. 150	LA9D11502	3115
Ready made reversing kit		
LC1D09..D38	LAD9R1 ⁽²⁾	655
	LAD9R1V ⁽³⁾	910

(1) Reference only of mechanical interlock (For mechanical strength use mounting clip LAD9V17, when using only mechanical interlock. Price available on request)

(2) Set of power connections with mechanical interlock.

(3) Set to power connections with mechanical and electrical interlock.

Description	Fixing	Reference	Unit MRP [₹]
For Contactors (D40A, 50A, 65A, DT60A & DT80A)			
Mechanical Interlock	Clip - On	LAD4CM	930
Varistor (24...48 V)		LAD4V3E	790
Varistor (110...240 V)		LAD4V3U	
RDOL kit		LAD9R3	2120
RC circuit (110...240 V)	Clip - On	LAD4RC3U	460

Spare coils D model

Product Compatibility	Reference	Unit MRP [₹]
AC Coils		
CAD, LC1-D09...D38, DT20..40	LXD1*	750
LC1D40A, D50A, D65A & LC1DT60A, DT80A	LXD3*	2040
D80 & D95 (3P & 4P)	LX1D6*	2160
LC1 - D115	LX1D8*	3345
LC1-D150	LX1D8*	4175
DC Coils		
LC1-D80-D95	LX4D7**	6430
LC1-D115, D150	LX4D8**	7075

Note: For ordering coils with other voltages and frequencies, please add ₹ 175/- to the unit MRP of the respective standard coil.

Coil Voltage Code

TYPE	VOLTAGE (V)	24	110	220	415
AC*	CAD, LC1-D09...D38, DT20..40, LC1 - D150, LC1D40A, D50A, D65A & LC1DT60A, DT80A	B7	F7	M7	N7
	D80 & D95 (3P & 4P), LC1 - D115	B5	F5	M5	N5
DC**	LC1-D80, LC1-D115, D150	BD	FD	MD	-

Description	For Use With	Reference	Unit MRP [₹]
For Contactor D115/150			
Arc chamber - 3P	LC1D1156	LA5D11550	3665
Arc chamber - 3P	LC1D1506	LA5D15050	3665
Contacts set - 3P	LC1D1156	LA5D1158031	9685
Contacts set - 3P	LC1D1506	LA5D150803	10040
Contacts set - 4P	LC1D1150046	LA5D115804	13360

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit MRP [₹]
Coil Suppressor Modules					
LC1-D12...D25 (4P)	Clip-on	24...48 V AC	RC Circuit AC	LA4DA1E	740
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	715
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	645
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	715
		110...240 V AC 100 Hz	RC Circuit AC	LAD4RCU <input checked="" type="checkbox"/>	
		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	740
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)		24...48 V AC	Varistor AC/DC	LA4DE2E	705
		110...250 V AC	Varistor AC/DC	LA4DE2U	
LC1D80...D150, LC2D80...D150 (3P) LC1D4008, LC1D65008, LC1D115, LC2D40...D115 (4P)		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	1125
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	740
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	1125
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	740
LC1D80...D95, LC2D80...D95, (3P) LC1D80, 4 poles LC2D80 (4P)		24...48 V DC	Varistor AC/DC	LA4DE3E	705
		110...250 V DC	Varistor AC/DC	LA4DE3U	

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

NORMAL STOCK ITEMS

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Thermal Overload Relays - D Model



- Conformity to International Standards – IEC, UL, CSA
- Range available - 0.1A to 104 A
- Direct mounting on contactors is possible upto 95A
- Higher operating temperature
- Tripping class 10A & 20A available

Electronic Relays - D Model



- Conformity to International Standards – IEC, UL, CSA
- Higher operating temperature up to 55°C
- Tripping class selectable on product
- Manual & auto reset is possible

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]
LR-D Model (Direct Mounting)			
0.1...0.16 A	GV2L03, LE03, LC1D09...LC1D38	LRD01	1575
0.16...0.25 A		LRD02	
0.25...0.4 A		LRD03	
0.4...0.63 A		LRD04	
0.63...1 A		LRD05 <input checked="" type="checkbox"/>	
1...1.6 A		LRD06 <input checked="" type="checkbox"/>	
1.6...2.5 A		LRD07 <input checked="" type="checkbox"/>	
2.5...4 A		LRD08 <input checked="" type="checkbox"/>	
4...6 A		LRD10 <input checked="" type="checkbox"/>	
5.5...8 A		LRD12 <input checked="" type="checkbox"/>	
7...10 A		LRD14 <input checked="" type="checkbox"/>	
9...13 A		LRD16 <input checked="" type="checkbox"/>	
12...18 A		LRD21 <input checked="" type="checkbox"/>	
16...24 A		GV2L22, LC1D25...D38	
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 <input checked="" type="checkbox"/>	2855
30...38 A	LC1D32, LC1D38	LRD35	3155
23...32 A	LC1D40A...D65A	LRD332	
	LC1D80...LC1D95	LRD3353	
30...40 A	LC1D40A...D65A	LRD340	
30...40 A	LC1D80...LC1D95	LRD3355	
37...50 A	LC1D40A...D65A	LRD350 <input checked="" type="checkbox"/>	
	LC1D80...LC1D95	LRD3357	4085
48...65 A	LC1D40A...D65A	LRD365	5010
48...65 A	LC1D80...LC1D95	LRD3359	
63...80 A	LC1D65...LC1D95	LRD3363	5470
80...104 A	LC1D80, LC1D95	LRD3365	6845

Note:

- *For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106 Unit MRP: ₹ 480/-
- *For LRD33** - Terminal Block for clip-on Mounting LA7D3064 Unit MRP: ₹ 1440/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit MRP: ₹ 1315/-
- 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.

Thermal Protection Adjustment Range	For Use With	Reference	Unit MRP [₹]
LR97D Electronic Motor Protection Relay			
0.3...1.5 A	LC1D09...D38	LR97D015**	5530
1.2...7 A	LC1D09...D38	LR97D07**	
5...25 A	LC1D09...D38	LR97D25**	
20...38 A	LC1D09...D38	LR97D38**	8445
LT47 Electronic Motor Protection Relay			
0.5...6 A		LT4706**#	5910
3...30 A		LT4730**#	
5...60 A		LT4760**#	8845

** Coil Voltage Code

VOLTAGE	24 V AC/DC	48 V AC/DC	110 V AC	220 V AC
Code	B	E	F7	M7

- # S - Manual/Electric Reset
- # A - Automatic Reset

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

NORMAL STOCK ITEMS

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



- Conformity to International Standards – IEC, UL, CSA, CE
- High electrical life
- 115-800 Amps, AC/DC coils
- Type 2 Coordination Charts available
- Common accessories as Model D

[Ie] Rated Operational Current AC1	Motor Power (Long Life) AC3 kW	Motor Power (Long Life) AC3 hP	Motor Power (Long Life) AC3 A	Motor Power (Normal Life) AC3 kW	Motor Power (Normal Life) AC3 hP	Motor Power (Normal Life) AC3 A	Reference	Unit MRP [₹]
200	59	80	115	80	110	150	LC1F115 ✓	14895
250	80	110	150	100	135	185	LC1F150 ✓	20820
275	100	135	185	110	150	205	LC1F185 ✓	23965
315	110	150	225	140	190	265	LC1F225 ✓	26635
350	140	190	265	160	220	300	LC1F265 ✓	31610
400	180	245	330	220	300	400	LC1F300 ✓	37595
500	220	300	400	250	340	450	LC1F400 ✓	43415
700	280	380	500	375	500	630	LC1F500 ✓	60275
1000	375	500	630	450	610	800	LC1F630	108415
1000	450	610	800	-	-	-	LC1F800	167400

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 13
- 3 Pole, 1000A, AC3 duty contactors are available on request. Please contact Customer care centre for more details.

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

[Ie] Rated Operational Current AC1	Power Pole Composition	Reference	Unit MRP [₹]
200 A	4 NO	LC1F1154	24380
250 A	4 NO	LC1F1504	29655
275 A	4 NO	LC1F1854	36980
315 A	4 NO	LC1F2254	43635
350 A	4 NO	LC1F2654	48745
400 A	4 NO	LC1F3304	57935
500 A	2 NO	LC1F4002	41070
500 A	4 NO	LC1F4004	68340
700 A	2 NO	LC1F5002	60440
700 A	4 NO	LC1F5004	99795
1000 A	2 NO	LC1F6302	98145
1000 A	4 NO	LC1F6304	148050
1600 A	4 NO	LC1F7804	309545

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 13
- Power terminals may be protected by the addition of shrouds, to be ordered separately.

Coils F Model

Product compatibility	AC Coil Reference	Unit MRP [₹]	DC Coil Reference (2)	Unit MRP [₹]
LC1F115, LC1F150	LX1FF*	2995	LX4FF**	7260
LC1F185, LC1F225	LX1FG*	4270	LX4FG**	9525
LC1F265, LC1F330	LX1FH*	5365	LX4FH**	11875
LC1F400	LX1FJ*	11360	LX4FJ**	18240
LC1F500	LX1FK*	13395	LX4FK**	18940
LC1F630	LX1FL*	15190	LX4FL**	19640
LC1F780	LX1FX* (3)	33240	LX4FX** (3)	34915
LC1F800	(1)	-	LX4F8**	25105

Coil Voltage Code

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

Note: For ordering coils with other voltages and frequencies, please add ₹ 175/- to the unit MRP of the respective standard coil.

Please replace (*) with the Corresponding Control Voltage.

- (1) Use rectifier with required DC coil (Ref: DR5TE4U) MRP ₹ 7825/-
- (2) Coil with suppressor fitted as standard.
- (3) Set of two coils to be connected in series.

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

✓ NORMAL STOCK ITEMS

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Vacuum Contactors (3 Pole AC Control)

[Ie] Rated Operational Current		Motor Power		Auxiliary Contacts	Reference	Unit MRP [₹]
AC1	AC3	kW	hP			
160 A	160 A	75	100	2 NO + 1 NC	LC1V160*	85095
320 A	320 A	160	213	1 NO + 1 NC	LC1V320*	114265
630 A	610 A	300	400	1 NO + 1 NC	LC1V610*	204955

* 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	Contacts	Reference	Unit MRP [₹]
Add On Blocks			
Additional instantaneous auxiliary contact blocks	1 NO	LADN10*	175
	1 NC	LADN01*	
	1 NO+1NC	LADN11 <input checked="" type="checkbox"/>	330
	2 NO	LADN20 <input checked="" type="checkbox"/>	
	2 NC	LADN02	555
	2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	
	4 NC	LADN04	555
	4 NO	LADN40 <input checked="" type="checkbox"/>	
	1 NO+3NC	LADN13	815
	3 NO+1NC	LADN31 <input checked="" type="checkbox"/>	
Pneumatic timer blocks front mounted	1 NO+1NC	LAD8N11	815
	2 NO	LAD8N20	
	1 NO+1NC 0.1..3s	LADT0	2030
	1 NO+1NC 0.1..30s	LADT2	
	1 NO+1NC 10..180s	LADT4	2170
	1 NO+1NC 1..30s ⁽²⁾	LADS2 <input checked="" type="checkbox"/>	
	1 NO+1NC 0.1 ..3s	LADR0	2030
	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 80 Amps, 95A & Model F Contactors only

For Use With Contactor	Reference	Unit MRP [₹]
Mechanical Interlocks ⁽¹⁾ - Horizontally Mounted		
LC1F115, LC1F150, LC1F1154, LC1F1504	LA9FF970	2690
LC1F185, LC1F1854, LC1F225, LC1F2254	LA9FG970	3115
LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004	LA9FJ970	3495
LC1F630, LC1F6304, LC1F800	LA9FL970	3880

(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"/>	14320
LC1F185, LC1F225	LA5FG431	20705
LC1F265	LA5FH431	27275
LC1F330, LC1F400	LA5F400803	33070
LC1F500	LA5F500803	42545
LC1F630	LA5F630803	67670
LC1F800	LA5F800803	84980

* 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 MRP [₹]
Suppressor Blocks				
suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	3460
suppressor bracket	For all LA4F	LA9D09981		370

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

NORMAL STOCK ITEMS

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Coils F Model

Product compatibility	AC Coil Reference	Unit MRP [₹]	DC Coil Reference ⁽²⁾	Unit MRP [₹]
LC1F115, LC1F150	LX1FF*	2995	LX4FF**	7260
LC1F185, LC1F225	LX1FG*	4270	LX4FG**	9525
LC1F265, LC1F330	LX1FH*	5365	LX4FH**	11875
LC1F400	LX1FJ*	11360	LX4FJ**	18240
LC1F500	LX1FK*	13395	LX4FK**	18940
LC1F630	LX1FL*	15190	LX4FL**	19640
LC1F780	LX1FX* ⁽³⁾	33240	LX4FX** ⁽³⁾	34915
LC1F800	⁽¹⁾	-	LX4F8**	25105

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) MRP ₹ 7825/-

(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 ₹ 175/- to the unit MRP of the respective standard coil.

Product compatibility	110V Reference	220/230V Reference	415/440V Reference	Unit MRP [₹]
Hoisting Applications - AC Coils				
LC1F265, LC1F330	LX9FH1102	LX9FH2202	-	14220
LC1F400	LX9FJ925	LX9FJ931	LX9FJ937	17565
LC1F500	LX9FK925	LX9FK931	LX9FK937	20485
LC1F630	LX9FL924	LX9FL931	LX9FL936	21580

Note: Rectifier is a must with the coil. Ref no. DR5TE4U for 110..230V & DR5TE4S* for 415..440V , MRP ₹ 7825/- needs to be added extra with coil.

Product compatibility	48V Reference	110V Reference	220V Reference	440/460 V Reference	Unit MRP [₹]
Hoisting Applications - DC Coils					
LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	20065
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	21460
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	21580

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**

Contacteur	110 V Reference	220 V Reference	440/460 V Reference	Unit MRP [₹]
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Economy Resistor

• To be used with hoisting application DC coil

LC1F400	1 x DR2SC0047	1 x DR2SC1200	1 x DR2SC4700	2700
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 MRP [₹]
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LR9-F Electronic Protection Relays

90...150 A	LR9F5369 <input checked="" type="checkbox"/>	9050
132...220 A	LR9F5371	10990
200...330 A	LR9F7375	11160
300...500 A	LR9F7379	14460
380...630 A	LR9F7381	15510

Accessories

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

Mounting plate LA7F		LR9-F5369, LR9-F5371	LA7F901	2530
		LR9-F7375, LR9-F7379, LR9-F7381	LA7F902	3410

Connection Accessories

LA7F busbar	LC1F115	LR9-F5369	LA7F401	1705
	LC1F225/265	LR9-F5371	LA7F403	2465
	LC1F225-400	LR9-F7375, LR9-F7379, LR9-F7381	LA7F404	2630
	LC1F500	LR9F7381	LA7F405	3115
	LC1F630/800	LR9-F7381	LA7F406	3330

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

NORMAL STOCK ITEMS

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Motor Circuit Breakers



- Conforming to IEC 60947-2-3-4
- 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 Pushbutton Control (Economy)

100 kA	-	-	0.1 - 0.16	GV2ME01	2950	
	0.06	-	0.16 - 0.25	GV2ME02		
	0.09	-	0.25 - 0.40	GV2ME03		
	0.18	-	0.40 - 0.63	GV2ME04	3425	
	0.37	0.5	0.63 - 1.0	GV2ME05		
	0.55	0.75	1.0 - 1.6	GV2ME06	3440	
	0.75	1	1.6 - 2.5	GV2ME07		
	1.1	2	2.5 - 4	GV2ME08	3530	
2.2	3	4 - 6.3	GV2ME10			
15 kA (1)	3	5.5	6 - 10	GV2ME14	3560	
	5.5	7.5	9 - 14	GV2ME16		
	7.5	10	13 - 18	GV2ME20	4485	
	9	12.5	17 - 23	GV2ME21		
	11	15	20 - 25	GV2ME22	4865	
	15	20	24 - 32	GV2ME32		
	10 kA (1)	15	20	24 - 32	GV2ME32	7920

GV2-P Model Thermal Magnetic - With Rotary Handle Control

100 kA	-	-	0.1 - 0.16	GV2P01	3610
	0.06	-	0.16 - 0.25	GV2P02	
	0.09	-	0.25 - 0.40	GV2P03	
	0.18	-	0.40 - 0.63	GV2P04	3915
	0.37	0.5	0.63 - 1.0	GV2P05	
	0.55	0.75	1.0 - 1.6	GV2P06	4060
	0.75	1.0	1.6 - 2.5	GV2P07	
	1.1	2	2.5 - 4	GV2P08	4375
2.2	3	4 - 6.3	GV2P10		
50 kA (2)	3	5.5	6 - 10	GV2P14	4960
	5.5	7.5	9 - 14	GV2P16	
	7.5	10	13 - 18	GV2P20	6045
	9	12.5	17 - 23	GV2P21	
	11	15	20 - 25	GV2P22	10245
	35 kA (2)	15	20	24 - 32	

GV3-P Range Thermal Magnetic - With Rotary Handle Control

50 kA	18.5	30...40 A	GV3P40	11505
	22	37...50 A	GV3P50	13900
	30	48...65 A	GV3P65	14710

GV3-M Range Thermal Magnetic - Pushbutton Control

15 kA	37	-	56...80 A	GV3ME80	13170
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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.

Motor Circuit Breakers



- Conforming to IEC 60947-2-3-4
- Magnetic circuit breakers range from 0.1-80A Amps
- High Breaking capacity up to 100kA
- Conformity to International Standards - IEC, UL, CSA, CE
- Wide range of accessories

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

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

100 kA	0.09	-	0.4	GV2LE03	2980
	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	3415
	7.5	10	18	GV2LE20	
	11	15	25	GV2LE22	
10 kA	15	20	32	GV2LE32	5870

GV2-L Model Magnetic - With Rotary Handle Control *

100 kA	0.09	-	0.4	GV2L03	3935
	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	10025
	7.5	10	18	GV2L20	
	11	15	25	GV2L22	

GV3-L Range Magnetic - With Rotary Handle Control

50 kA	18.5	40	GV3L40	9495
	22	50	GV3L50	9700
	30	65	GV3L65	10025

GK3 Range Optimal Magnetic - With Rotary Handle Control *

35 kA	37	80	GK3EF80	10130
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* 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**	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
	kW			

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

36 kA	45	60 - 100	GV7RE100	18660
	75	90 - 150	GV7RE150	25615
35 kA	110	132 - 220	GV7RE220	31485
	18.5	25 - 40	GV7RS40	20185
70 kA	22	30 - 50	GV7RS50	20185
	37	48 - 80	GV7RS80	21600
	45	60 - 100	GV7RS100	21600
	75	90 - 150	GV7RS150	29025
	110	132 - 220	GV7RS220	35595

* Conforming to IEC 947-2 for Type 2 coordination

** 50/60Hz - 415 V.

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

✓ NORMAL STOCK ITEMS

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Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]	
For GV2			
Front contact NO or NC ⁽¹⁾	GVAE1	585	
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	790	
	GVAE20		
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	870	
	GVAN20	870	
Fault signalling contact +1 NO contact ⁽²⁾	GVAD1010 <input checked="" type="checkbox"/>	1125	
Fault signalling contact +1 NC contact ⁽²⁾	GVAD1001	1125	
Short circuit signalling contact block 1 C/O	GVAM11	1080	
Undervoltage trip :	110 ... 115V 50Hz	GVAU115	2080
	220 ... 240V 50Hz	GVAU225	2080
	380 ... 400V 50Hz	GVAU385	2080
Shunt trip :	110 ... 115V 50Hz	GVAS115	2080
	220 ... 240V 50Hz	GVAS225	2080
	380 ... 400V 50Hz	GVAS385	2080
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3	3355	
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	400	
Connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K	GV2AF01	425	
Empty enclosure for GV2ME - plastic	GV2MP02	1500	
	GV2MC02	1645	

(1) Choice of NC or NO contact operation depending on which way round the reversible block is mounted.

(2) The GV-AD is always mounted next to the circuit breaker.

Busbars

Connection Pitch	No. of Tapoff Points	Reference	Unit MRP [₹]
For GV2 Breakers			
45 mm	2	GV2G245	880
	4	GV2G445	1390
	2	GV2G254	1030
54 mm	3	GV2G354	1170
	4	GV2G454	1470
	5	GV2G554	1585
72 mm	2	GV2G272	1290
	4	GV2G472	1785

Description	Reference	Unit MRP [₹]
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Accessories for Busbars

Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	2240
Protective end covers for unused busbar outlets	GV1G10	385
Terminal block for connection from top	GV1G09	1180

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]
For GV3-M		
Auxiliary contact - 1 NO + 1 NC early-break	GV3A01	950
Auxiliary contact - 2 NO early-break	GV3A02	
Under voltage release - 110 V AC 50Hz	GV3B11	3255
Under voltage release - 220 V AC 50Hz	GV3B22	
Under voltage release - 380 V AC 50Hz	GV3B38	
Shunt release - 110 V AC 50Hz	GV3D11	3255
Shunt release - 220 V AC 50Hz	GV3D22	
Shunt release - 380 V AC 50Hz	GV3D38	

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]
For GV2-P/GV2-L		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	2085
External operator - IP54, Yellow/Red	GV2APN02	3850
Visible isolation block - for motor circuit breaker GV2	GV2AK00	1745
For GV3P/GV3L		
Auxiliary Contacts		
Front contact: 1 NO (fault) + 1 NC (Auxiliary)	GVAED011	745
Front contact: 1 NO (fault) + 1 NO (Auxiliary)	GVAED101	820
Busbar		
3-pole, 3 tap, 64 mm pitch	GV3G364	860
S-shape bus bar	GV3S	625
External Operator		
IP54, Black	GV3APN01	2485
IP54, Yellow/Red	GV3APN02	
For GK3		
Padlockable external operator	GK3AP03	3990
Instantaneous Aux. Contacts NC + NO for GK3	GK2AX50	920
Instantaneous Aux. Contacts NO + NO for GK3	GK2AX20	990

Note: All other accessories are same as of GV2

Description	Operating Voltage	Reference	Unit MRP [₹]
For GV7			
Accessory for direct rotary handle mount on door ⁽²⁾	-	GV7AP05	1375
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	1335
Clip-on connector - upto 150 A - 1.5..95 mm ²	-	GV7AC021	515
Clip-on connector- upto 220 A - 1.5..185 mm ²	-	GV7AC022	515
Fault discrimination Device	24...72V DC/ 24...48V AC	GV7AD111	3955
	110 ... 240V AC/ DC	GV7AD112	3955
Front rotary handle	-	GV7AP03	2320
GV7AP GV7R - black handle ⁽²⁾	-	GV7AP01	4050
Padlocking device - 1..3 padlocks Ø 5..8mm shank ⁽³⁾	-	GV7V01	630
Phase barriers	-	GV7AC04	700
Terminal shields IP405 ⁽¹⁾	-	GV7AC01	1425

For GV7

Shunt release	110...130 V AC 50/60 Hz	GV7AS107	3075
	200...240 V AC 50/60 Hz	GV7AS207	
	380...440 V AC 50/60 Hz	GV7AS387	
Under Voltage release	110...130 V AC 50/60 Hz	GV7AU107	3295
	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	910

(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

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Vario Switch Disconnectors

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

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

10 A	3P	4 kW	VCF02GE	2045
16 A	3P	5.5 kW	VCF01GE	2225
20 A	3P	7.5 kW	VCF0GE	2705
25 A	3P	11 kW	VCF1GE	2905
32 A	3P	15 kW	VCF2GE	3405
50 A	3P	22 kW	VCF3GE	5280
63 A	3P	30 kW	VCF4GE	6180

* Rated Power at 415 V

** lth in enclosure

For Switch Type (Amps)	Mounting Arrangement	Ingress	Reference	Unit MRP [₹]
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Operators (Padlockable)

12 - 40 A	4 Screw Fixing	IP65	KCF1PZ	435
63 - 80 A	4 Screw Fixing	IP65	KCF2PZ	465
125 - 175 A	4 Screw Fixing	IP40	KCF3PZ	1930

Vario Switch Disconnectors

[lth] Conventional Thermal Current	Poles Description	Reference	Unit MRP [₹]
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Complete Switch with Padlockable Operator

• Suitable for Front Mounting or Base Mounting

12 A	3P	VCF02	1285
20 A	3P	VCF01	1395
25 A	3P	VCF0	1630
32 A	3P	VCF1	1705
40 A	3P	VCF2	2120
63 A	3P	VCF3	3180
80 A	3P	VCF4	3600
125 A	3P	VCF5	8270
175 A	3P	VCF6	10030

Switch Bodies

12 A	V02	825
20 A	V01	960
25 A	V0	1150
32 A	V1	1390
40 A	V2	1705
63 A	V3	2390
80 A	V4	3140
125 A	V5	6380
175 A	V6	8135

Accessories

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

Main Pole Module	V02/VCF02	12 A	1P	-	-	VZ02	590
	V01/VCF01	20 A	1P	-	-	VZ01	605
	V0/VCF0	25 A	1P	-	-	VZ0	635
	V1/VCF1	32 A	1P	-	-	VZ1	625
	V2/VCF2	40 A	1P	-	-	VZ2	675
	V3/VCF3	63 A	1P	-	-	VZ3	875
	V4/VCF4	80 A	1P	-	-	VZ4	875
Neutral Pole Module ⁽²⁾	V02 / VCF02 to V2 / VCF2	-	1N	-	-	VZ11	720
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	VZ12	970
	V5 / VCZ5 to V6 / VCZ6	-	1N	-	-	VZ13	2010
Earthing Module	V02 / VCF02 to V2 / VCF20	-	-	-	-	VZ14	705
	V3 / VCF3 to V4 / VCF4	-	-	1	-	VZ15	835
	V5 / VCZ5 to V6 / VCZ6	-	-	1	-	VZ16	1315
Auxiliary Contact Block Module	V02/ VCF02 to V6 / VCZ6	-	-	-	1 NO + 1 NC	VZ7	740
	V2/ VCF02 to V6 / VCZ6	-	-	-	2 NO	VZ20	740

(1) For mounting option of modules, please refer to the technical catalogue.

(2) With early make and late break contacts

Description	For Use With	Reference	Unit MRP [₹]
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Components for Door Interlocking

Shaft extension - for Mini-VARIO and VARIO - V02..V2	V02...V2	VZ17	705
		VZ30	835
Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6	V3, V4, V5, V6	VZ18	835
		VZ31	965
Door interlock plate	VZ17 / VZ30	KZ32	175
		KZ74	315

Input Terminal Protection Shrouds

Terminal Shrouds	V02 - V2	VZ8	230
		VZ26	195
	V3 - V4	VZ9	245
		VZ27	195
	V5 - V6	VZ10	315
		VZ28	350
V02 - V6	VZ29	230	

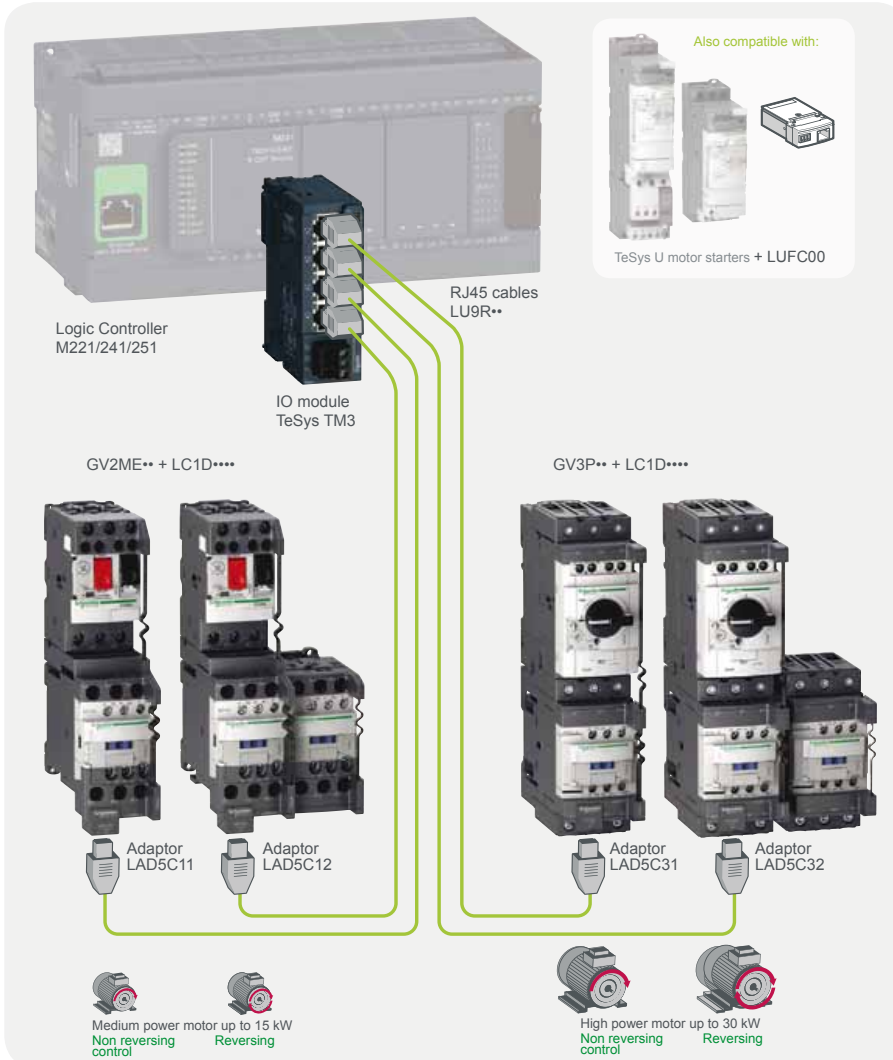
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Let TeSys SoLink be your drive!

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



20 times
faster for control
circuit wiring
Simple and fast wiring

100%
upgradable
Plug & Play solutions

0%
Chance of
connection errors
Intuitive connection

100%
availability during
machine life cycles
Software & Hardware
integrated

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



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

Note:

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

Switching and Control 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.

Starters D.O.L

Thermal protection Adjustment Range	Motor Power kW	Reference	Unit MRP [₹]
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LE1-M Model Enclosed

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

0.54...0.8 A	0.25	LE1M35**05	3335
0.8...1.2 A	0.37	LE1M35**06	3495
1.2...1.8 A	0.55	LE1M35**07	3670
1.8...2.6 A	0.75	LE1M35**08	3670
2.6...3.7 A	1.50	LE1M35**10	
3.7...5.5 A	2.20	LE1M35**12	
5.5...8 A	3	LE1M35**14	3670
8...11.5 A	4	LE1M35**16	
10...14 A	5.50	LE1M35**21	3900
12...16 A	7.50	LE1M35**22	3900

** Coil Voltage Code

VOLTAGE	220/230	380/400	400/415
Code	M7	Q7	N7

TeSys T Motor Management System - Controllers



- 0.4-810 Amps with inbuilt CTs up to 100 Amps.
- 24V DC and 100-240 AC Control Voltages available
- 6 DI and 4 DO with main module and extendable further using expansion module
- Modbus/Profibus/CanOpen/DeviceNet/Ethernet Connectivity to choose
- Integrated Protection and Measurement with full functions
- Quick interface with PC/PLC
- Dedicated HMI-LTMCU
- Saves Engineering and Commissioning Time
- Reduces Process Downtime and Maintenance Cost

Description	Modbus Reference	Profibus Reference	Unit MRP [₹]
0.4 to 8A	LTMR08M**	LTMR08P**	On Request
1.35 to 27A	LTMR27M**	LTMR27P**	On Request
5 to 100A	LTMR100M**	LTMR100P**	On Request

Note: Above 100 Amps external CT required.

Extension modules	LTMEV40**	On Request
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Note: For other communication protocols, please contact our nearest Sales Office.

** Coil Voltage Code

VOLTAGE	
24 DC	BD
110 to 240VAC	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
- 50 kA Breaking Capacity
- Direct Connectivity to Modbus/Profibus/CanOpen/DeviceNet

Description	Rating at 440 V kW	Reference	Unit MRP [₹]
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Power Bases for Non-Reversing D.O.L. Starter

12 A	Upto 5.5	LUB12	On Request
32 A	Upto 15	LUB32	On Request

Description	Rating at 440 V kW	Standard Reference	Advanced Reference	Multifunction Reference	Unit MRP [₹]
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Control Units

0.15...0.6 A	0.09	LUCAX6**	LUCBX6**	LUCMX6BL	On Request
0.35...1.4 A	0.25	LUCA1X**	LUCB1X**	LUCM1XB	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

** Coil Voltage Code

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

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

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

(3) DC: 48...72 V, AC: 48 V.

(4) DC: 110...220 V, AC: 110...240 V.

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Biometric Switch

Description	Reference	Unit MRP [₹]
Bistable biometric switch, 24 V DC - PNP - by 2m cable	XB5S1B2L2	28955
Bistable biometric switch, 24 V DC - PNP - by M12 connector	XB5S1B2M12	31312
Monostable biometric switch, 24 V DC - PNP - by 2m cable	XB5S2B2L2	29333
Monostable biometric switch, 24 V DC - PNP - by M12 connector	XB5S2B2M12	30455

Accessories

Description	Reference	Unit MRP [₹]
Protective cover, translucent & self adhesive	ZB5SZ70	721
Diameter 22 mm nut	ZB5SZ71	286
Legend plate 28X7 mm	ZBY0101T	135

Pushbuttons

Description	Type of Contact	Colour	Reference	Unit MRP [₹]	
Spring return					
Flush	NO	White	XB5AA11N <input checked="" type="checkbox"/>	136	
	NO	Black	XB5AA21N <input checked="" type="checkbox"/>	136	
	NO	Green	XB5AA31N <input checked="" type="checkbox"/>	136	
	NO	Yellow	XB5AA51N <input checked="" type="checkbox"/>	136	
	NO	Blue	XB5AA61N <input checked="" type="checkbox"/>	136	
	NC	Red	XB5AA42N <input checked="" type="checkbox"/>	136	
	NO	Red	XB5AA41N <input checked="" type="checkbox"/>	136	
	NO	Blank	XB5AA01N* <input checked="" type="checkbox"/>	136	
	Projecting	NO	White	XB5AL11N	165
		NO	Black	XB5AL21N	165
NO		Green	XB5AL31N <input checked="" type="checkbox"/>	165	
NO		Yellow	XB5AL51N	165	
NO		Blue	XB5AL61N	165	
NC		Red	XB5AL42N <input checked="" type="checkbox"/>	165	
NO		Red	XB5AL41N	165	
Flush with silicon transparent boot	NO	Black	XB5AP21N <input checked="" type="checkbox"/>	194	
	NO	Green	XB5AP31N <input checked="" type="checkbox"/>	194	
	NO	Yellow	XB5AP51N <input checked="" type="checkbox"/>	194	
	NO	Blue	XB5AP61N	194	
Flush, marked (double molding /injection marking)	NC	Red	XB5AP42N <input checked="" type="checkbox"/>	194	
	NO	Green	XB5AA3311N	192	
	NC	Red	XB5AA4322N	192	
	NO	Green	XB5AA3331N <input checked="" type="checkbox"/>	192	
Projecting, marked (double molding /injection marking)	NC	Red	XB5AA4342N <input checked="" type="checkbox"/>	192	
	NO	Green	XB5AA3411N	192	
	NC	Red	XB5AA4352N	192	
Projecting, marked (double molding /injection marking)	NC	Red	XB5AL4342N	195	
	NC	Red	XB5AL4352N	195	
Flush, marked "I/O"	NO+NC	Green	XB5AL845N <input checked="" type="checkbox"/>	953	

*For flush and projecting pushbutton caps, see page <?>

Pilot lights

Description	Supply Voltage	Colour	Reference	Unit MRP [₹]
With smooth lens (except clear colour)				
Direct Integral LED	~ 24V	White	XB7EV01BPN <input checked="" type="checkbox"/>	220
		Green	XB7EV03BPN <input checked="" type="checkbox"/>	200
		Red	XB7EV04BPN <input checked="" type="checkbox"/>	200
		Yellow	XB7EV05BPN <input checked="" type="checkbox"/>	200
		Amber	XB7EV08BPN <input checked="" type="checkbox"/>	200
		Blue	XB7EV06BPN <input checked="" type="checkbox"/>	415
		Clear	XB7EV07BPN* <input checked="" type="checkbox"/>	200
	~ 120V	White	XB7EV01GPN <input checked="" type="checkbox"/>	220
		Green	XB7EV03GPN <input checked="" type="checkbox"/>	200
		Red	XB7EV04GPN <input checked="" type="checkbox"/>	200
		Yellow	XB7EV05GPN <input checked="" type="checkbox"/>	200
		Amber	XB7EV08GPN <input checked="" type="checkbox"/>	200
		Blue	XB7EV06GPN <input checked="" type="checkbox"/>	415
		Clear	XB7EV07GPN*	200
~ 230V	White	XB7EV01MPN <input checked="" type="checkbox"/>	220	
	Green	XB7EV03MPN <input checked="" type="checkbox"/>	200	
	Red	XB7EV04MPN <input checked="" type="checkbox"/>	200	
	Yellow	XB7EV05MPN <input checked="" type="checkbox"/>	200	
	Amber	XB7EV08MPN <input checked="" type="checkbox"/>	200	
	Blue	XB7EV06MPN <input checked="" type="checkbox"/>	415	
	Clear	XB7EV07MPN*	200	

* Clear type pilot lights are provided with striated lens.

Illuminated Pushbutton

Description	Type of Contact	Colour	Reference	Unit MRP [₹]
With smooth lens (except clear colour)				
Flush Integral LED ~ 24V	NO	White	XB5AW31B1N <input checked="" type="checkbox"/>	395
	NO	Green	XB5AW33B1N <input checked="" type="checkbox"/>	395
	NC	Red	XB5AW34B2N <input checked="" type="checkbox"/>	395
	NO	Yellow	XB5AW35B1N <input checked="" type="checkbox"/>	395
	NO	Amber	XB5AW38B1N <input checked="" type="checkbox"/>	440
	NO	Blue	XB5AW36B1N <input checked="" type="checkbox"/>	765
	NO	Clear	XB5AW37B1N*	765
Projecting Integral LED ~ 24V	NO	White	XB5AW11B1N	395
	NO	Green	XB5AW13B1N <input checked="" type="checkbox"/>	395
	NC	Red	XB5AW14B2N <input checked="" type="checkbox"/>	395
	NO	Yellow	XB5AW15B1N	390
	NO	Amber	XB5AW18B1N	395
	NO	Blue	XB5AW16B1N	750
	NO	Clear	XB5AW17B1N*	376
Push Integral LED ~ 24V	NO	White	XB5AH31B1N	529
	NO	Green	XB5AH33B1N	529
	NC	Red	XB5AH34B2N	529
	NO	Yellow	XB5AH35B1N	529
	NO	Amber	XB5AH38B1N	529
	NO	Blue	XB5AH36B1N	792
	NO	Clear	XB5AH37B1N*	529
Flush Integral LED ~ 110V	NO	White	XB5AW31G1N	490
	NO	Green	XB5AW33G1N <input checked="" type="checkbox"/>	490
	NC	Red	XB5AW34G2N <input checked="" type="checkbox"/>	490
	NO	Yellow	XB5AW35G1N	765
	NO	Amber	XB5AW38G1N	490
	NO	Blue	XB5AW36G1N	765
	NO	Clear	XB5AW37G1N*	850
Flush Integral LED ~ 230V	NO	White	XB5AW31M1N <input checked="" type="checkbox"/>	456
	NO	Green	XB5AW33M1N <input checked="" type="checkbox"/>	395
	NC	Red	XB5AW34M2N <input checked="" type="checkbox"/>	395
	NO	Yellow	XB5AW35M1N <input checked="" type="checkbox"/>	395
	NO	Amber	XB5AW38M1N <input checked="" type="checkbox"/>	440
	NO	Blue	XB5AW36M1N <input checked="" type="checkbox"/>	765
	NO	Clear	XB5AW37M1N*	850
Projecting Integral LED ~ 230V	NO	White	XB5AW11M1N	498
	NO	Green	XB5AW13M1N	395
	NC	Red	XB5AW14M2N	395
	NO	Yellow	XB5AW15M1N	395
	NO	Amber	XB5AW18M1N	395
	NO	Blue	XB5AW16M1N	750
	NO	Clear	XB5AW17M1N*	395
Push Integral LED ~ 230V	NO	White	XB5AH11M1N	579
	NO	Green	XB5AH13M1N <input checked="" type="checkbox"/>	529
	NC	Red	XB5AH14M2N <input checked="" type="checkbox"/>	529
	NO	Yellow	XB5AH15M1N	529
	NO	Amber	XB5AH18M1N	529
	NO	Blue	XB5AH16M1N	792
	NO	Clear	XB5AH17M1N*	529

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

Non-Illuminated Pushbutton

Description	Dia of Head	Type of Contact	Colour	Reference	Unit MRP [₹]
Mushroom Head					
40		NO	Black	XB5AC21N <input checked="" type="checkbox"/>	262
		NO	Green	XB5AC31N <input checked="" type="checkbox"/>	262
		NC	Red	XB5AC42N <input checked="" type="checkbox"/>	262
		NO	Red	XB5AC41N <input checked="" type="checkbox"/>	262
		NO	Yellow	XB5AC51N	262
		NO	Blue	XB5AC61N	262
Spring return		NO	Black	XB5AR21N	340
		NO	Green	XB5AR31N <input checked="" type="checkbox"/>	
		NC	Red	XB5AR42N	
		NO	Red	XB5AR41N	
		NO	Yellow	XB5AR51N	
		NO	Blue	XB5AR61N	
Turn to release	30	NC	Black	XB5AS422N	257
		NC	Red	XB5AS442N <input checked="" type="checkbox"/>	257
	40	NC	Black	XB5AS522N <input checked="" type="checkbox"/>	257
		NC	Red	XB5AS542N <input checked="" type="checkbox"/>	257
Key release (n°155)	40	NC	Red	XB5AS142N <input checked="" type="checkbox"/>	473
		NC	Red	XB5AS122N <input checked="" type="checkbox"/>	
Trigger action turn to release	40	NC+NO	Red	XB5AS8445N	560
Trigger action key to release	40	NO+NC	Red	XB5AS9445N	597
Trigger action key to release	40	NC	Red	XB5AS9442N	Price on Request

Illuminated Pushbutton with yellow LED

Description	Supply Voltage	Type of Contact	Reference	Unit MRP [₹]	
Double Headed Pushbuttons (Spring return)					
1 flush push (marked "I")	~ 24V	NO+NC	XB5AW84B5N <input checked="" type="checkbox"/>	965	
1 pilot light	~ 110V	NO+NC	XB5AW84G5N		
1 projecting push (marked "O")	~ 230V	NO+NC	XB5AW84M5N <input checked="" type="checkbox"/>		
Mushroom Head Pushbuttons (Illuminated)					
Turn to release	~ 24V	NC	Red	XB5AW74B2N <input checked="" type="checkbox"/>	495
	~ 230V-240V	NC	Red	XB5AW74M2N <input checked="" type="checkbox"/>	

Illuminated - Selector switch

Description	Type of Contact	Colour	Reference	Unit MRP [₹]
2 stay put ~ 24V	NO	White	XB5AK121B1N <input checked="" type="checkbox"/>	700
	NO	Green	XB5AK123B1N <input checked="" type="checkbox"/>	570
	NC	Red	XB5AK124B2N <input checked="" type="checkbox"/>	570
	NO	Yellow	XB5AK125B1N <input checked="" type="checkbox"/>	570
	NO	Blue	XB5AK126B1N	925
	NO	White	XB5AK141B1N	996
2 spring return from right to left ~ 24V	NO	Green	XB5AK143B1N	996
	NC	Red	XB5AK144B2N	996
	NO	Yellow	XB5AK145B1N	996
	NO	Blue	XB5AK146B1N	1216
3 stay put ~ 24V	2NO	White	XB5AK131B3N	865
	2NO	Green	XB5AK133B3N <input checked="" type="checkbox"/>	598
	1NO+1NC	Red	XB5AK134B5N <input checked="" type="checkbox"/>	598
	2NO	Yellow	XB5AK135B3N	598
	2NO	Blue	XB5AK136B3N	1122
	2NO	White	XB5AK151B3N	649
3 spring return to centre ~ 24V	2NO	Green	XB5AK153B3N <input checked="" type="checkbox"/>	599
	1NO+1NC	Red	XB5AK154B5N	882
	2NO	Yellow	XB5AK155B3N	882
	2NO	Blue	XB5AK156B3N	1320
2 stay put ~ 230V	NO	White	XB5AK121M1N <input checked="" type="checkbox"/>	700
	NO	Green	XB5AK123M1N <input checked="" type="checkbox"/>	570
	NC	Red	XB5AK124M2N <input checked="" type="checkbox"/>	570
	NO	Yellow	XB5AK125M1N <input checked="" type="checkbox"/>	570
	NO	Blue	XB5AK126M1N	925
	NO	White	XB5AK141M1N	996
2 spring return right to left ~ 230V	NO	Green	XB5AK143M1N	996
	NC	Red	XB5AK144M2N	996
	NO	Yellow	XB5AK145M1N	996
	NO	Blue	XB5AK146M1N	1216
3 stay put ~ 230V	2NO	White	XB5AK131M3N	865
	2NO	Green	XB5AK133M3N <input checked="" type="checkbox"/>	598
	1NO+1NC	Red	XB5AK134M5N <input checked="" type="checkbox"/>	598
	2NO	Yellow	XB5AK135M3N	598
	2NO	Blue	XB5AK136M3N	1122
	2NO	White	XB5AK151M3N	649
3 spring return to center ~ 230V	2NO	Green	XB5AK153M3N <input checked="" type="checkbox"/>	599
	1NO+1NC	Red	XB5AK154M5N	882
	2NO	Yellow	XB5AK155M3N <input checked="" type="checkbox"/>	882
	2NO	Blue	XB5AK156M3N <input checked="" type="checkbox"/>	1320

Non Illuminated Selector switches & Key switches

Description	Type of Contact	Reference	Unit MRP [₹]
Standard handle black	2 stay put	1NO XB5AD21N ✓	332
	2 spring return, right to left	1NO XB5AD41N ✓	538
	3 stay put	2NO XB5AD33N ✓	362
	3 spring return to center	2NO XB5AD53N ✓	392
	3 spring return, left to center	2NO XB5AD73N ✓	402
	3 spring return, right to center	2NO XB5AD83N ✓	402
Long handle black	2 stay put	1NO XB5AJ21N ✓	333
	3 stay put	2NO XB5AJ33N ✓	373
	3 Spring return to center	2NO XB5AJ53N ✓	393
Key switch	2 stay put*	1NO XB5AG21N ✓	509
	2 stay put*	1NO XB5AG021N	581
	2 stay put*	1NO XB5AG41N	509
	2 spring return, right to left	1NO XB5AG61N	887
	3 stay put*	2NO XB5AG53N ✓	535
	3 stay put*	2NO XB5AG03N ✓	545
	3 stay put*	2NO XB5AG33N ✓	572
	3 spring return to center	2NO XB5AG73N ✓	835
	3 spring return, left to center	2NO XB5AG13N	572
	3 spring return, right to center	2NO XB5AG083N	735

* Please refer catalogue for Key withdrawal position

Accessories

Description	Legend Colour	Marking	Reference	Unit MRP [₹]
With blank legend (for engraving)	Black/Red bkgd.	Blank	ZBY2101N ✓	92
	White/Yellow bkgd.	Blank	ZBY4101N	
With 8 x 27 mm English language marked legend	Black or Red bkgd.	Inch	ZBY2321N	
		OFF	ZBY2312N	
		ON	ZBY2326N	
		Reset	ZBY2323N	
		Reverse	ZBY2306N	
Legends for emergency stop	Emergency stop	ON	ZBY9330N ✓	
Mushroom head pushbuttons	Yellow bkgd.		ZBY8330N	

Pushbutton caps (unmarked)

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

Type of Pushbutton caps	Colour	Reference	Unit MRP [₹]
Flush	White	ZBA1N	30
	Black	ZBA2N	30
	Red	ZBA4N	30
	Yellow	ZBA5N	30
	Blue	ZBA6N	30
	Set of 6 colours*	ZBA9N	55
Projecting	White	ZBL1N	57
	Black	ZBL2N	57
	Green	ZBL3N	57
	Red	ZBL4N	57
	Yellow	ZBL5N	57
	Blue	ZBL6N	57
	Set of 6 colors*	ZBL9N	57

Pushbutton caps (marked)

Type of Pushbutton caps	Colour Text	Colour of Cap	Reference	Price [₹]	
Projecting Flush (Double injection moulded marking)	STOP	White	Red	ZBL434N	92
	I	White	Green	ZBA331N	92
	START	White	Green	ZBA333N	92
	ON	White	Green	ZBA341N**	133
	STOP	White	Red	ZBA434N	92
	UP	Black	White	ZBA343N	133
	DOWN	White	Black	ZBA344N	133
	OFF	White	Red	ZBA434N	92

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

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

Accessories

Description	Application	Reference	Unit MRP [₹]
Plastic blanking plug, round black,	For Ø 22 control and signalling units with circular head	ZB5SZ3N ✓	92
Anti rotation plate,	Prevents head from rotation	ZB5AZ902N ✓	24
Fixing collar	To fix contacts or lights	ZB5AZ009N ✓	92
Fixing nut		ZB5AZ901N	24

Contact blocks with screw clamp terminal connections

Description	Type of Contact	Reference	Unit MRP [₹]
Standard single	1NO	ZBE101N ✓	76
Contact blocks	1NC	ZBE102N ✓	

Clear silicon boots

Description	Reference	Unit MRP [₹]
Boot for cylindrical flush PB	ZBPAN ✓	50
Boot for cylindrical projecting PB	ZBP0N	50
Boot for double head illuminated PB and non-illuminated PB	ZBW008N	92

Light block with screw clamp terminal connections

Description	Supply Voltage	Colour of Light source	Reference	Unit MRP [₹]
Integral LED	~ 24V	White	ZBVB1N	245
		Green	ZBVB3N <input checked="" type="checkbox"/>	245
		Red	ZBVB4N	245
		Yellow	ZBVB5SN	245
		Amber	ZBVB8N	245
		Blue	ZBVB6N	650
	~ 110V	White	ZBVG1N	315
		Green	ZBVG3N	315
		Red	ZBVG4N	315
		Yellow	ZBVG5SN	835
		Amber	ZBVG8N	315
		Blue	ZBVG6N	656
	~ 220V	White	ZBVM1N	385
		Green	ZBVM3N <input checked="" type="checkbox"/>	245
		Red	ZBVM4N <input checked="" type="checkbox"/>	245
		Yellow	ZBVM5SN	245
		Amber	ZBVM8N	245
		Blue	ZBVM6N	656
Direct bulb holder without resistance	≈ 130V	-	ZBV6N	150

Cable Ends

- Copper Ferrule, Tin Plated to ISO 1337
- Halogen Free Plastic Insulated Collar
- Temperature Limits: -20°C to 105°C
- Conforming to Standards NF C 63-023

Cable Ends

Accessory/separate Part designation	Cable Cross Section	Colour	Quantity Per Set	Reference	Unit MRP [₹]
Single Conductor Cable Ends					
Single conductor Insulated cable end	0.5 mm ²	White	10 sets of 100	DZ5CE005 <input checked="" type="checkbox"/>	142
	0.75 mm ²	Blue	10 sets of 100	DZ5CE007 <input checked="" type="checkbox"/>	142
	1 mm ²	Red	10 sets of 100	DZ5CE010 <input checked="" type="checkbox"/>	148
	1.5 mm ²	Black	10 sets of 100	DZ5CE015 <input checked="" type="checkbox"/>	148
	2.5 mm ²	Grey	10 sets of 100	DZ5CE025 <input checked="" type="checkbox"/>	177
	4 mm ²	Orange	10 sets of 100	DZ5CE042 <input checked="" type="checkbox"/>	425
	6 mm ²	Green	Set of 100	DZ5CE062 <input checked="" type="checkbox"/>	554
Single Conductor Cable Ends with clip-in Marker Tag Holder ⁽¹⁾					
Single conductor insulated cable end with facility for clip-in marker tag holder	4 mm ²	Orange	10 sets of 100	DZ5CA042	743
	6 mm ²	Green	Set of 100	DZ5CA062	707
	10 mm ²	Brown	Set of 100	DZ5CA102 <input checked="" type="checkbox"/>	907
	16 mm ²	White	Set of 100	DZ5CA162 <input checked="" type="checkbox"/>	1108
	25 mm ²	Black	Set of 100	DZ5CA253 <input checked="" type="checkbox"/>	1450
	35 mm ²	Red	Set of 20	DZ5CA352	4629
	50 mm ²	Blue	Set of 20	DZ5CA502	4629
Single Conductor Cable Ends with Marker Tag					
Single conductor Markable insulated Cable end	0.5 mm ²	White	10 sets of 100	DZ5CA005	412
	0.75 mm ²	Blue	10 sets of 100	DZ5CA007	412
	1 mm ²	Red	10 sets of 100	DZ5CA010	412
	1.5 mm ²	Black	10 sets of 100	DZ5CA015	412
	2.5 mm ²	Grey	10 sets of 100	DZ5CA025	484
Twin Conductor Cable Ends					
Twin conductor insulated cable end	0.75 mm ²	Blue	5 sets of 100	AZ5DE007 <input checked="" type="checkbox"/>	306
	1 mm ²	Red	5 sets of 100	AZ5DE010 <input checked="" type="checkbox"/>	306
	1.5 mm ²	Black	5 sets of 100	AZ5DE015 <input checked="" type="checkbox"/>	282
	2.5 mm ²	Grey	5 sets of 50	AZ5DE025 <input checked="" type="checkbox"/>	366
Single Conductor Cable Ends Strip of 50m bag					
Single Conductor cable ends strip of 50m bag	0.5 mm ²	White	10 sets of 50	DZ5CEB005D	174
	0.75 mm ²	Grey	10 sets of 50	DZ5CEB007D	164
	1 mm ²	Red	10 sets of 50	DZ5CEB010D	174
	1.5 mm ²	Black	10 sets of 50	DZ5CEB015D	174
	2.5 mm ²	Blue	10 sets of 50	DZ5CEB025D	231

Accessories

Description	Quantity Per Set	Reference	Unit MRP [₹]
Tool for positioning AR1-M.01 Markers			
Clip-in Markers tag holders for Cable Ends with holder ⁽¹⁾	Set of 100	AR1SC03	127
Clip on Marker holder for 1 to 1.5 Sq.mm Cables	Set of 100	AR1SC02	504
Set of numbers from 0 to 9	Set of 200	AR1MA01	2439
Markers Set of letters from A to Z	Set of 200	AR1MB01	4596
Tool for quick positioning of clip-on markers - on cable end tags		AT1PA1	902
Cable end Crimping Tools			
Crimping tool for cable end - 0.5 to 16 mm ²		AT1PA2 <input checked="" type="checkbox"/>	4409
Crimping tool for cable end - 10 to 35 mm ²		AT1PA4	4715
Storage Case for Cable Ends and Stripping Tool			
Storage case for cable ends and cutting/stripping tool - for terminal block		AT1HB2	2245

(1) For rapid clip on mounting of up to 7 markers AR1-M...

- Insulated cable ends comprise a tinned copper ferrule fitted with an insulated collar.
- The copper ferrule serves as holder for the core standards of flexibles cables and facilitated terminal connections.
- The insulated plastic collar provides protection between two adjacent connections.

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	1650
	24 V	2.2 A	50 W	ABL2REM24020H <input checked="" type="checkbox"/>	1800
	24 V	4.2 A	100 W	ABL2REM24045H <input checked="" type="checkbox"/>	3000
	24 V	6.5 A	150 W	ABL2REM24065H <input checked="" type="checkbox"/>	3800
	24 V	8.3 A	200 W	ABL2REM24085H	4800
	24 V	10.5 A	250 W	ABL2REM24100H <input checked="" type="checkbox"/>	5800
	24 V	14.6 A	350 W	ABL2REM24150H <input checked="" type="checkbox"/>	9600

ABL1 - Dedicated Range

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP [₹]
Without Anti-Harmonic Filter					
100...240 V AC	12 V DC	5 A	60 W	ABL1REM12050	3200
	24 V DC	2.5 A	60 W	ABL1REM24025 <input checked="" type="checkbox"/>	3000
		4.2 A	100 W	ABL1REM24042 <input checked="" type="checkbox"/>	4066
100...120 V AC	24 V DC	6.2 A	150 W	ABL1REM24062 <input checked="" type="checkbox"/>	4800
		10 A	240 W	ABL1REM24100 <input checked="" type="checkbox"/>	7950
With Anti-Harmonic Filter					
100...240 V AC	12 V DC	8.3 A	100 W	ABL1RPM12083	4708
	24 V DC	4.2 A	100 W	ABL1RPM24042 <input checked="" type="checkbox"/>	4800
100...120 V AC	24 V DC	6.2 A	150 W	ABL1RPM24062 <input checked="" type="checkbox"/>	6200
		10 A	240 W	ABL1RPM24100 <input checked="" type="checkbox"/>	9300

ABL8 Ranges

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP [₹]
Modular Range (without PFC, Automatic Reset)					
100...240 V AC	5 V DC	4 A	20 W	ABL8MEM05040	6100
	12 V DC	2 A	25 W	ABL8MEM12020	5400
Optimum Range (without PFC, Automatic or Manual Reset)					
100...240 V AC	24 V	3 A	72 W	ABL8REM24030	7000
	24 V	5 A	120 W	ABL8REM24050 <input checked="" type="checkbox"/>	10500
Universal Range (with PFC, Boost function, Diagnosis Contact, Automatic or Manual Reset)					
100...120 V single phase 200...500 V 2 phase	24 V	3 A	72 W	ABL8RPS24030	9202
	24 V	5 A	120 W	ABL8RPS24050	12100
		10 A	240 W	ABL8RPS24100	15000
100...120 V single phase 200...240 V	24 V	20 A	480 W	ABL8RPM24200 <input checked="" type="checkbox"/>	19500
		380...500 V three phase	20 A	480 W	ABL8WPS24200
	24 V		40 A	960 W	ABL8WPS24400

Accessories

Description	Reference	Unit MRP [₹]
ABL 1		
Reversible mounting bracket - for regulated switch mode	ABL1A01	350
Mounting plate for 35 mm rail - for regulated switch mode	ABL1A02	350
Note: To be ordered in lot of 5.		
ABL 8 - Universal Range Accessories		
Battery Back-up module 20A	ABL8BBU24200	18000
Battery Back-up module 40A	ABL8BBU24400	24120
Battery pack 7 Ah	ABL8BPK24A07	12840
Buffer module 40A	ABL8BUF24400	17160
Protection module with two pole breaking	ABL8PRP24100	15000
Redundancy Module	ABL8RED24400	11400
Protection module with single pole breaking	ABL8PRE24100	10400

ABT7 - Economy Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP [₹]
Single phase 230V 40VA - 400VA 40° C				
230 V AC single phase ±15 V	24 V AC	40	ABT7ESM004B	5457
230 V AC single phase ±15 V	24 V AC	63	ABT7ESM006B	4173
230 V AC single phase ±15 V	24 V AC	100	ABT7ESM010B	4601
230 V AC single phase ±15 V	24 V AC	160	ABT7ESM016B	5885
230 V AC single phase ±15 V	24 V AC	250	ABT7ESM025B	7597
230 V AC single phase ±15 V	24 V AC	320	ABT7ESM032B	9416
230 V AC single phase ±15 V	24 V AC	400	ABT7ESM040B	9737

ABL6 - Optimum Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP [₹]
Single phase 230/400V 25VA - 2500VA 50° C				
230/400 V single phase ±15 V	24 V AC	25	ABL6TS02B	5303
230/400 V single phase ±15 V	24 V AC	40	ABL6TS04B	5460
230/400 V single phase ±15 V	24 V AC	63	ABL6TS06B	5565
230/400 V single phase ±15 V	24 V AC	100	ABL6TS10B	6195
230/400 V single phase ±15 V	24 V AC	160	ABL6TS16B	7035
230/400 V single phase ±15 V	24 V AC	250	ABL6TS25B	8505
230/400 V single phase ±15 V	24 V AC	400	ABL6TS40B	13650
230/400 V single phase ±15 V	24 V AC	630	ABL6TS63B	18040
230/400 V single phase ±15 V	24 V AC	1000	ABL6TS100B	24090
230/400 V single phase ±15 V	24 V AC	1600	ABL6TS160B	48930
230/400 V single phase ±15 V	24 V AC	2500	ABL6TS250B	76860
230/400 V single phase ±15 V	115 V AC	25	ABL6TS02G	5303
230/400 V single phase ±15 V	115 V AC	40	ABL6TS04G	5460
230/400 V single phase ±15 V	115 V AC	63	ABL6TS06G	5565
230/400 V single phase ±15 V	115 V AC	100	ABL6TS10G	5880
230/400 V single phase ±15 V	115 V AC	160	ABL6TS16G	7260
230/400 V single phase ±15 V	115 V AC	250	ABL6TS25G	8505
230/400 V single phase ±15 V	115 V AC	400	ABL6TS40G	13650
230/400 V single phase ±15 V	115 V AC	630	ABL6TS63G	18745
230/400 V single phase ±15 V	115 V AC	1000	ABL6TS100G	23000
230/400 V single phase ±15 V	115 V AC	1600	ABL6TS160G	35200
230/400 V single phase ±15 V	115 V AC	2500	ABL6TS250G	59584
230/400 V single phase ±15 V	230 V AC	25	ABL6TS02U	5303
230/400 V single phase ±15 V	230 V AC	40	ABL6TS04U	5460
230/400 V single phase ±15 V	230 V AC	63	ABL6TS06U	5565
230/400 V single phase ±15 V	230 V AC	100	ABL6TS10U	5880
230/400 V single phase ±15 V	230 V AC	160	ABL6TS16U	6930
230/400 V single phase ±15 V	230 V AC	250	ABL6TS25U	8505
230/400 V single phase ±15 V	230 V AC	400	ABL6TS40U	13650
230/400 V single phase ±15 V	230 V AC	630	ABL6TS63U	17115
230/400 V single phase ±15 V	230 V AC	1000	ABL6TS100U <input checked="" type="checkbox"/>	23000
230/400 V single phase ±15 V	230 V AC	1600	ABL6TS160U	34730
230/400 V single phase ±15 V	230 V AC	2500	ABL6TS250U	57270

ABT7 - Universal Range (Double Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP [₹]
Single phase 230/400V 25VA - 2500VA 60° C				
230/400 V single phase ±15 V	24/48 V AC	40	ABT7PDU004B	5880
230/400 V single phase ±15 V	24/48 V AC	63	ABT7PDU006B	6195
230/400 V single phase ±15 V	24/48 V AC	250	ABT7PDU025B	11040
230/400 V single phase ±15 V	24/48 V AC	400	ABT7PDU040B	13090
230/400 V single phase ±15 V	24/48 V AC	630	ABT7PDU063B	20160
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002G	5670
230/400 V single phase ±15 V	115/230 V AC	40	ABT7PDU004G	5880
230/400 V single phase ±15 V	115/230 V AC	63	ABT7PDU006G	6195
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010G	6930
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016G	8190
230/400 V single phase ±15 V	115/230 V AC	250	ABT7PDU025G	10560
230/400 V single phase ±15 V	115/230 V AC	400	ABT7PDU040G	12495
230/400 V single phase ±15 V	115/230 V AC	630	ABT7PDU063G	20160
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100G	24045
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160G	39795
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250G	58695
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002B	7140
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010B	6930
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016B	9555
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100B	26335
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160B	43585
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250B	64285

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	List Price [₹]
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"/>	8900
		4 kW	Adjustable from 1 to 10 s	9 A	ATS01N209QN <input checked="" type="checkbox"/>	10300
		5.5 kW	Adjustable from 1 to 10 s	12 A	ATS01N212QN <input checked="" type="checkbox"/>	13000
		7.5 kW/11 kW	Adjustable from 1 to 10 s	22 A	ATS01N222QN <input checked="" type="checkbox"/>	16500
		15 kW	Adjustable from 1 to 10 s	32 A	ATS01N232QN <input checked="" type="checkbox"/>	23600

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



ATS48 High Performance Soft-Starter

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

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

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	List Price [₹]
0.18	0.25	1.4	ATV12H018M2	8654
0.37	0.55	2.4	ATV12H037M2	10477
0.55	0.75	3.5	ATV12H055M2	11000
0.75	1	4.2	ATV12H075M2	12100
1.5	2	7.5	ATV12HU15M2	15400
2.2	3	10	ATV12HU22M2	21160



ATV303 Drive: Three Phase 440 Volts Input & 3 Phase 440 Volts Output Drive

KW Rating	HP Rating	Rated output Current @55°C	Reference	List Price [₹]
0.37	0.55	1.5	ATV303H037N4E	21466
0.75	1	2.3	ATV303H075N4E	23929
1.5	2	4.1	ATV303HU15N4E	26273
2.2	3	5.5	ATV303HU22N4E	31473
3	4	7.1	ATV303HU30N4E	38226
4	5	9.5	ATV303HU40N4E	38245
5.5	7.5	12.6	ATV303HU55N4E	48088
7.5	10	17	ATV303HU75N4E	57338
11	15	24	ATV303HD11N4E	78719

RSL Slim Interface Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Pre-assembled - 1C/O - 6 AMPS		
12 V DC	RSL1PVJU	1259
24 V DC	RSL1PVBU	1075
48 V DC	RSL1PVEU	1214
60 V DC	RSL1PVFU	1259
60 V DC	RSL1PVPU	1259
12 V DC	RSL1PRJU	1363
24 V DC	RSL1PRBU	1051
48 V DC	RSL1PREU	1389
60 V DC	RSL1PRFU	1389
60 V DC	RSL1PRPU	1389
For Customer Assembly		
Relay - 1C/O - 6 AMPS		
12 V DC	RSL1GB4JD	495
12 V DC	RSL1AB4JD	408
24 V DC	RSL1GB4BD	476
24 V DC	RSL1AB4BD	378
48 V DC	RSL1GB4ED	495
48 V DC	RSL1AB4ED	411
60 V DC	RSL1GB4ND	516
60 V DC	RSL1AB4ND	408

Accessories

Description	Reference	Unit MRP [₹]
Screw Connector		
For use with RSL1*B4JD/RSL1*B4BD 12V AC/DC & 24V AC/DC	RSLZVA1	806
For use with RSL1*B4ED/RSL1*B4ND 48V AC/DC & 60V AC/DC	RSLZVA2	660
For use with RSL1*B4ND - 110V AC/DC	RSLZVA3	660
For use with RSL1*B4ND - 230V AC/DC	RSLZVA4	660
Spring Terminal		
For use with RSL1*B4JD/RSL1*B4BD 12V AC/DC & 24V AC/DC	RSLZRA1	644
For use with RSL1*B4ED/RSL1*B4ND 48V AC/DC & 60V AC/DC	RSLZRA2	749
For use with RSL1*B4ND - 110V AC/DC	RSLZRA3	749
For use with RSL1*B4ND - 230V AC/DC	RSLZRA4	749
Clips And Legends		
Clip-in legends for sockets	RSLZ5	572
Bus Jumper for sockets	RSLZ2	199
Partition plate for sockets	RSLZ3	601

Note: Prices for RSB interface relays are available on request.

RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Without Lockable Test Button without LED		
2 C/O - 5 AMPS		
12 V DC	RXM2LB1JD	342
24 V DC	RXM2LB1BD	330
48 V DC	RXM2LB1ED	362
24 V AC	RXM2LB1B7	342
120 V AC	RXM2LB1F7	342
230 V AC	RXM2LB1P7	330
4 C/O - 3 AMPS		
12 V DC	RXM4LB1JD	416
24 V DC	RXM4LB1BD	380
48 V DC	RXM4LB1ED	416
24 V AC	RXM4LB1B7	416
120 V AC	RXM4LB1F7	416
230 V AC	RXM4LB1P7	380
Without Lockable Test Button with LED		
2 C/O - 5 AMPS		
12 V DC	RXM2LB2JD	380
24 V DC	RXM2LB2BD <input checked="" type="checkbox"/>	345
48 V DC	RXM2LB2ED	380
24 V AC	RXM2LB2B7	380
120 V AC	RXM2LB2F7	380
230 V AC	RXM2LB2P7 <input checked="" type="checkbox"/>	345
36 V DC	RXM2LB2CD	380
110 V DC	RXM2LB2FD	380
4 C/O - 3 AMPS		
12 V DC	RXM4LB2JD	428
24 V DC	RXM4LB2BD <input checked="" type="checkbox"/>	399
48 V DC	RXM4LB2ED	428
24 V AC	RXM4LB2B7	428
120 V AC	RXM4LB2F7	428
230 V AC	RXM4LB2P7 <input checked="" type="checkbox"/>	399
12 V DC	RXM4LB2CD	428
36 V DC	RXM4LB2FD	428

Accessories

Description	Reference	Unit MRP [₹]
Sockets		
Sockets - mixed-screw clamp - relay type RXM2 (without lockable test button)	RXZE1M2C <input checked="" type="checkbox"/>	160
Sockets - mixed-screw clamp - relay type RXM2/RXM4 (without lockable test button)	RXZE1M4C <input checked="" type="checkbox"/>	205

RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Without LED		
2 Change Over - 12 AMPS Contact Rating		
12 V DC	RXM2AB1JD	483
24 V AC	RXM2AB1B7	483
24 V DC	RXM2AB1BD <input checked="" type="checkbox"/>	465
48 V AC	RXM2AB1E7	483
48 V DC	RXM2AB1ED	483
110 V DC	RXM2AB1FD	483
120 V AC	RXM2AB1F7 <input checked="" type="checkbox"/>	483
230 V AC	RXM2AB1P7 <input checked="" type="checkbox"/>	465
3 Change Over - 10 AMPS Contact Rating		
12 V DC	RXM3AB1JD	658
24 V AC	RXM3AB1B7	712
24 V DC	RXM3AB1BD	657
48 V AC	RXM3AB1E7	803
48 V DC	RXM3AB1ED	813
110 V DC	RXM3AB1FD	813
120 V AC	RXM3AB1F7	678
230 V AC	RXM3AB1P7	678
4 Change Over - 6 AMPS Contact Rating		
12 V DC	RXM4AB1JD	590
24 V AC	RXM4AB1B7	590
24 V DC	RXM4AB1BD <input checked="" type="checkbox"/>	590
48 V AC	RXM4AB1E7	590
48 V DC	RXM4AB1ED	656
110 V DC	RXM4AB1FD	656
120 V AC	RXM4AB1F7 <input checked="" type="checkbox"/>	590
220 V DC	RXM4AB1MD	625
230 V AC	RXM4AB1P7 <input checked="" type="checkbox"/>	590
240 V AC	RXM4AB1U7	590
With LED		
2 Change Over - 12 AMPS Contact Rating		
12 V DC	RXM2AB2JD	504
24 V AC	RXM2AB2B7	504
24 V DC	RXM2AB2BD <input checked="" type="checkbox"/>	480
48 V AC	RXM2AB2E7	504
48 V DC	RXM2AB2ED	504
110 V DC	RXM2AB2FD	504
120 V AC	RXM2AB2F7 <input checked="" type="checkbox"/>	504
230 V AC	RXM2AB2P7 <input checked="" type="checkbox"/>	480
3 Change Over - 10 AMPS Contact Rating		
12 V DC	RXM3AB2JD	630
24 V AC	RXM3AB2B7	674
24 V DC	RXM3AB2BD	630
48 V AC	RXM3AB2E7	770
48 V DC	RXM3AB2ED	753
110 V DC	RXM3AB2FD	658
120 V AC	RXM3AB2F7	647
230 V AC	RXM3AB2P7	647
4 Change Over - 6 AMPS Contact Rating		
12 V DC	RXM4AB2JD	688
24 V AC	RXM4AB2B7	688
24 V DC	RXM4AB2BD <input checked="" type="checkbox"/>	650
48 V AC	RXM4AB2E7	688
48 V DC	RXM4AB2ED	688
110 V DC	RXM4AB2FD	688
120 V AC	RXM4AB2F7 <input checked="" type="checkbox"/>	688
125 V DC	RXM4AB2GD	688
230 V AC	RXM4AB2P7 <input checked="" type="checkbox"/>	650

NORMAL STOCK ITEMS

RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
With Low Level Contact		
4 Change Over - 3 AMPS Contact Rating		
12 V DC	RXM4GB1JD	676
	RXM4GB2JD	719
24 V AC	RXM4GB1B7	676
	RXM4GB2B7	719
24 V DC	RXM4GB1BD	676
	RXM4GB2BD	719
48 V AC	RXM4GB1E7	676
	RXM4GB2E7	719
48 V DC	RXM4GB1ED	676
	RXM4GB2ED	719
110 V DC	RXM4GB1FD	676
	RXM4GB2FD	719
120 V AC	RXM4GB1F7	676
	RXM4GB2F7	719
230 V AC	RXM4GB2P7	719
	RXM4GB1P7	676
240 V AC	RXM4GB2U7	719

RXZ Miniature Relays

Description	Reference	Unit MRP [₹]
Accessories		
Sockets		
Socket for miniature relay - Zelio RXZ - with mixed contacts - connectors	RXZE2M114M <input checked="" type="checkbox"/>	225
Socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp	RXZE2M114 <input checked="" type="checkbox"/>	250
Socket for miniature relay - Zelio RXZ - with separate contacts - connectors	RXZE2S104M	272
	RXZE2S111M <input checked="" type="checkbox"/>	287
	RXZE2S114M	307
Protection Modules		
Diode		
Protection module - diode - 6..250V DC - for miniature relay socket RXZ	RXM040W	114
RC Circuit		
Protection module - RC circuit - 110..240 AC - for miniature relay socket RXZ	RXM041FU7	121
Protection module - RC circuit - 24..60 AC - for miniature relay socket RXZ	RXM041BN7	121
Varistor		
Protection module -Varistor - 24..60V AC/DC - for miniature relay socket RXZ	RXM021BN	147
Protection module -Varistor - 6..24V AC/DC - for miniature relay socket RXZ	RXM021RB	147
Protection module -Varistor -110..240 AC/DC - for miniature relay socket RXZ	RXM021FP	139
Clips and Legends		
Clip-in legends-for Sockets having Separate contact	RXZL420	17
Buss Jumper 2 Poles	RXZS2	22
Clip-in legends - for Zelio relay - set of 10	RXZL520	217
Maintaining clamp - For miniature relay socket RXZ - old range	RXZZ200	44
Metal maintaining clamp - For miniature relay socket RXZ	RXZ400	40
Mounting adaptor for DIN rail - for miniature relay socket RXZ	RXZE2DA	58
Mounting adaptor with fixing lugs for panel - for miniature relay socket RXZ	RXZE2FA	58
Plastic maintaining clamp - For miniature relay socket RXZ	RXZR335	35

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RPM Power Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Without LED		
1 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM11JD	816
24 V AC	RPM11B7	816
24 V DC	RPM11BD	810
48 V AC	RPM11E7	816
48 V DC	RPM11ED	816
110 V DC	RPM11FD	816
120 V AC	RPM11F7	989
230 V AC	RPM11P7	901
2 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM21JD	843
24 V AC	RPM21B7	843
24 V DC	RPM21BD	819
48 V AC	RPM21E7	843
48 V DC	RPM21ED	843
110 V DC	RPM21FD	843
120 V AC	RPM21F7	989
230 V AC	RPM21P7	843
3 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM31JD	872
24 V AC	RPM31B7	914
24 V DC	RPM31BD	872
48 V AC	RPM31E7	872
48 V DC	RPM31ED	872
110 V DC	RPM31FD	872
120 V AC	RPM31F7	1029
230 V AC	RPM31P7	938
4 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM41JD	914
24 V AC	RPM41B7	914
24 V DC	RPM41BD	910
48 V AC	RPM41E7	914
48 V DC	RPM41ED	887
110 V DC	RPM41FD	914
120 V AC	RPM41F7	1046
230 V AC	RPM41P7	914
With LED		
1 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM12JD	860
24 V AC	RPM12B7	860
24 V DC	RPM12BD	577
48 V AC	RPM12E7	860
48 V DC	RPM12ED	860
110 V DC	RPM12FD	860
120 V AC	RPM12F7	1029
230 V AC	RPM12P7	938
2 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM22JD	872
24 V AC	RPM22B7	872
24 V DC	RPM22BD	786
48 V AC	RPM22E7	872
48 V DC	RPM22ED	872
110 V DC	RPM22FD	872
120 V AC	RPM22F7	1029
230 V AC	RPM22P7	855

RPM Power Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
3 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM32JD	886
24 V AC	RPM32B7	886
24 V DC	RPM32BD	974
48 V AC	RPM32E7	886
48 V DC	RPM32ED	886
110 V DC	RPM32FD	886
120 V AC	RPM32F7	1046
230 V AC	RPM32P7	974
4 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM42JD	944
24 V AC	RPM42B7	926
24 V DC	RPM42BD	946
48 V AC	RPM42E7	917
48 V DC	RPM42ED	944
110 V DC	RPM42FD	944
120 V AC	RPM42F7	1051
230 V AC	RPM42P7	946

RPZ Power Relays

Description	Reference	Unit MRP [₹]
Accessories		
Mixed Contact Socket		
	RPZF2	372
Socket for power relay - Zelio RPZ - with mixed contacts - screw clamp	RPZF1	382
	RPZF4	654
	RPZF3	658
Clips And Legends		
Metal maintaining clamp - for relay socket RPZF1	RPZR235	100
Mounting adaptor for DIN rail - for power relay socket RPZ	RPZ1DA	100
	RPZ3DA	100
	RPZ4DA	137
Mounting adaptor with fixing lugs for panel - for power relay socket RPZ	RPZ1FA	100
	RPZ3FA	100
	RPZ4FA	137

RPF Power Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
N/O - 30 AMPS Contact Rating		
24 V DC	RPF2ABD	1533
120 V AC	RPF2AF7	1533
230 V AC	RPF2AP7	1460
Change Over - 30 AMPS Contact Rating		
12 V DC	RPF2BJD	1286
24 V AC	RPF2BB7	1286
24 V DC	RPF2BBD	1476
110 V DC	RPF2BFD	1286
120 V AC	RPF2BF7	1647
230 V AC	RPF2BP7	1519

Solid State Relays

Rated Current [A]	Input Voltage	Output Voltage	Reference	Unit MRP [₹]
1NO SPST Contact - Panel Mounting				
10 A	90...280 V AC	24...280 V AC	SSRPP8S10A1	2301
25 A	90...280 V AC	24...280 V AC	SSRPP8S25A1	2449
50 A	90...280 V AC	24...280 V AC	SSRPP8S50A1	2898
75 A	90...280 V AC	80...530 V AC	SSRPP8S75A2	4620
90 A	90...280 V AC	48...660 V AC	SSRPP8S90A3	5150
125 A	90...280 V AC	48...660 V AC	SSRPP8S125A3	6234
10 A	3...32 V DC	24...280 V AC	SSRPCDS10A1	2191
25 A	3...32 V DC	24...280 V AC	SSRPCDS25A1	2449
50 A	3...32 V DC	24...280 V AC	SSRPCDS50A1	2898
75 A	4...32 V DC	48...530 V AC	SSRPCDS75A2	4531
90 A	4...32 V DC	48...660 V AC	SSRPCDS90A3	5150
125 A	4...32 V DC	48...660 V AC	SSRPCDS125A3	5825
1NO SPST Contact - Din Rail Mounting				
10 A	90...280 V AC	24...280 V AC	SSRDP8S10A1	4293
20 A	90...280 V AC	24...280 V AC	SSRDP8S20A1	4905
30 A	90...280 V AC	24...280 V AC	SSRDP8S30A1	5825
45 A	90...140 V AC	24...280 V AC	SSRDF8S45A1	7969
10 A	4...32 V DC	24...280 V AC	SSRDCDS10A1	4422
20 A	4...32 V DC	24...280 V AC	SSRDCDS20A1	4905
30 A	4...32 V DC	24...280 V AC	SSRDCDS30A1	5825
45 A	3...32 V DC	24...280 V AC	SSRDCDS45A1	8529

Accessories

Description	Reference	Unit MRP [₹]
Solid State Relays Panel Mounting		
Heat sink - for use with panel mounted relays - SSRPP8S****/SSRPCDS****	SSRAH1	2814
Thermal Interface - for use with panel mounted relays - SSRPP8S****/SSRPCDS****	SSRAT1	1785

RE17 Electronic Timers 

Description	Reference	Unit MRP [₹]
On Delay Timer 24 240 Vac	RE17LAMW	1958
Off Delay Timer 24 240VAC	RE17LCBM	2334
Timer Function H Solid State Output 24 240VAC	RE17LHBM	2901
Flashing Timer	RE17LLBM	2384
Multi Functionion Timer	RE17LMBM	2360
Timer Function A at 1C O 24VAC DC 240VAC	RE17RAMU	1872
Timer Function B 1C O 24VAC DC 240VAC	RE17RBMU	2783
Timer Function C 1C O 24VAC DC 240VAC	RE17RCMU	1958
Timer Function H Ht 1C O 24VAC DC 240VAC	RE17RHMU	1958
Flashing Timer	RE17RLJU	2544
Timer Function L Li 1C O 24VAC DC 240VAC	RE17RLMU	2544
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMEMU	2333
10 X MultiFunction Timer 1C O 12VAC DC	RE17RMJU	2408
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMMU	2408
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMW	2683
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMWS	2807
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMXMU	2943

RTC48 Temperature controller NEW

Description	Reference	Unit MRP [₹]
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 110/240 VAC	RTC48PUN1RNHU	6731
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 24 V AC/DC	RTC48PUN1RNLU	6794
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 SSR Output, 110/240 VAC	RTC48PUN1SNHU	6644
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 SSR Output, 24 V AC/DC	RTC48PUN1SNLU	6707
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 110/240 VAC	RTC48PUNCRNHU	8792
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 24 V AC/DC	RTC48PUNCRNLU	8792
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 110/240 VAC	RTC48PUNCSNHU	8768
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 24 V AC/DC	RTC48PUNCSNLU	8768
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 Relay Output, 110/240 VAC	RTC48PUN1RRHU	6854
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 Relay Output, 24 V AC/DC	RTC48PUN1RRLU	6917
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 110/240 VAC	RTC48PUN1SRHU	6767
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 24 V AC/DC	RTC48PUN1SRLU	6830
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 Relay Output, 110/240 VAC	RTC48PUN2RNHU	6854
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 Relay Output, 24 V AC/DC	RTC48PUN2RNLU	6917
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 SSR Output, 110/240 VAC	RTC48PUN2SNHU	6767
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 SSR Output, 24 V AC/DC	RTC48PUN2SNLU	6830
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 Relay Output, 110/240 VAC	RTC48PUNCRRHU	9041
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 Relay Output, 24 V AC/DC	RTC48PUNCRRLU	9041
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 1 SSR Output, 110/240 VAC	RTC48PUNCSRHU	9014
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 1 SSR Output, 24 V AC/DC	RTC48PUNCSRLU	9014
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 110/240 VAC	RTC48PUN1RSHU	7671
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 24 V AC/DC	RTC48PUN1RSLU	7671
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 SSR Output, 110/240 VAC	RTC48PUN1SSHU	7647
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 SSR Output, 24 V AC/DC	RTC48PUN1SSLU	7647
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 1 Relay Output, 110/240 VAC	RTC48PUNCRSHU	9467
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 1 Relay Output, 24 V AC/DC	RTC48PUNCRSLU	9467
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 SSR Output, 110/240 VAC	RTC48PUNCSSHU	9443
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 SSR Output, 24 V AC/DC	RTC48PUNCSSLU	9443
USB Cable	RTCCBL	9912
Terminal cover	RTCCOV	841
Spare parts pack with gasket, shunt resistor and mounting frame	RTCACC	3094

RM series Relay

Reference	Description	Unit MRP [₹]	
	Dual function Relay Phase sequence and Single Phase Preventer Relay 2 C/O relays 5 A	RM17TG20	2671
	Multi function relay with Single Phase Preventer ,Phase sequence, Phase unbalance and Over/undervoltage 1 C/O relay 5 A	RM17TE00	17131
	Multi function relay with Single Phase Preventer	RM17TA00	6563
	Over voltage and Under voltage Monitoring Relay	RM35UB330	9210
	Multi function relay with Motor temperature measurement, Single Phase Preventer and Phase sequence relay	RM35TM50MW	9162
	Multi function relay with Absence of neutral, Single Phase Preventer, Over voltage and Under voltage Monitoring. (120-277 V)	RM35UB3N30	7207
	Dual function Relay with Single Phase Preventer and Phase Reversal .	RM4TG20	4061
	Dual function Relay with Phase Reversal and Single Phase Preventer + Undervoltage 380-440 V 50/60 Hz	RM4TU02	5224
	Multi function relay with Phase Reversal , Single Phase Preventer ,Over voltage and Under voltage Monitoring Relay. (Rated Mains Supply Voltage, 400 V, (50/60 Hz)	RM4TR34	12566
	Star-delta timer , Function Qg (1 NO + 1 NC), 24 V AC/DC, 110...240 V AC, 42...48 V AC/DC	RE7YR12BU	4406
	Overvoltage or Undervoltage Detection 30-300 V and 50-500 V (Vac or Vdc), 2 C/O	RM4UA33MW	8708
	Overvoltage or Undervoltage Detection 1-100 V (Vac or Vdc) ,2 C/O	RM4UA32MW	8673
	Dual function Relay ,Single Phase Preventer (regeneration 70% Un) and sequence 1 C/O relay 5 A	RM17TT00	2691
	Dual function Single Phase Preventer ,Phae sequence and undervoltage 1 C/O relay 5 A	RM17TU00	5370
	Over/undervoltage between phases 1 C/O relay 5 A	RM17UB310	7518
	Multi function relay with Phase rotation , Single Phase Preventer and undervoltage 160...220 V, 2 C/O	RM4TU01	6995
	Multi function relay with Phase rotation ,Single Phase Preventer and overvoltage 160...220 V & undervoltage 220...300V, 2 C/O	RM4TR31	10709
	Multi function relay Phase rotation, Single Phase Preventer and overvoltage 300...430 V & undervoltage 420...480V, 2 C/O	RM4TR32	16583
	Multi function relay with Phase rotation, Single Phase Preventer and overvoltage 198 V & undervoltage 242V, 2 C/O	RM4TR33	8158
	Multi function relay with Phase rotation , Single Phase Preventer and overvoltage 360 V & undervoltage 440V, 2 C/O	RM4TR34	12566

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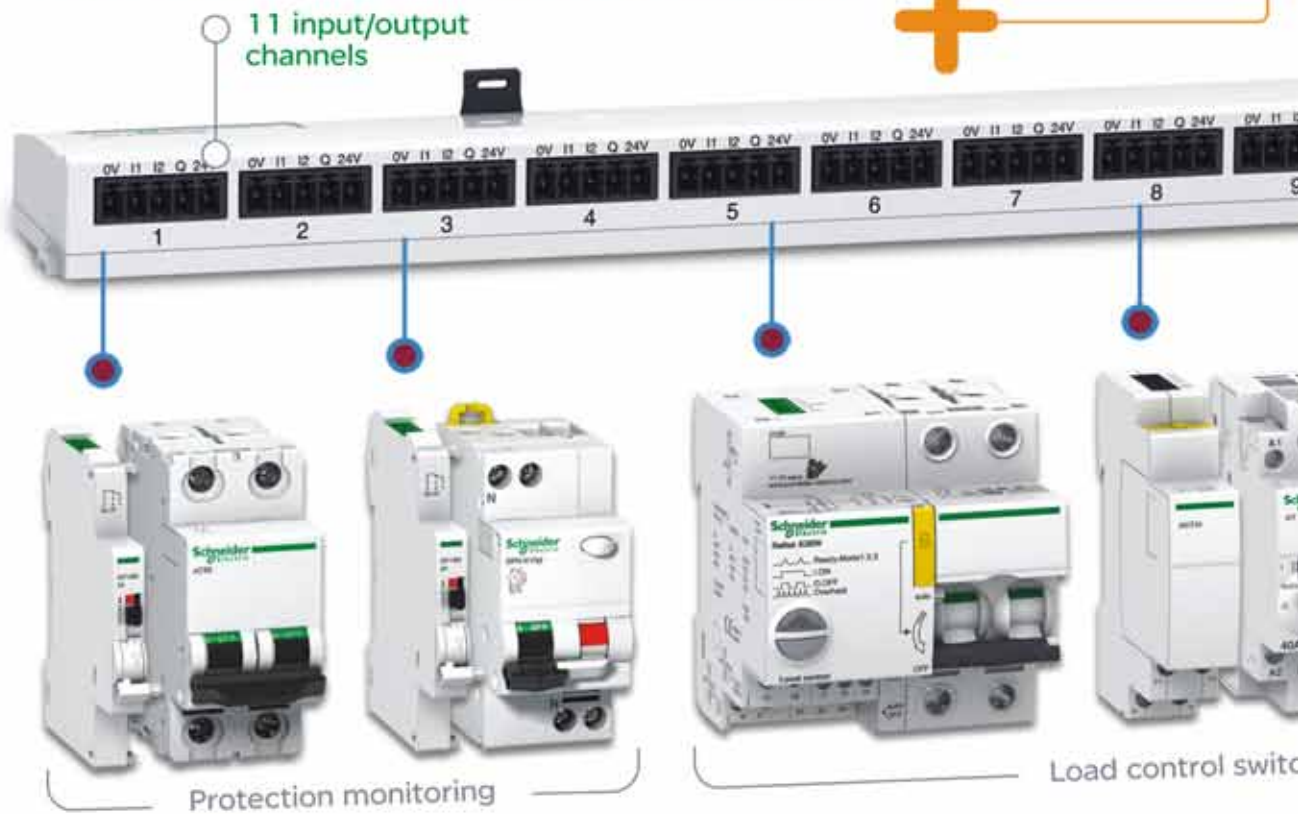
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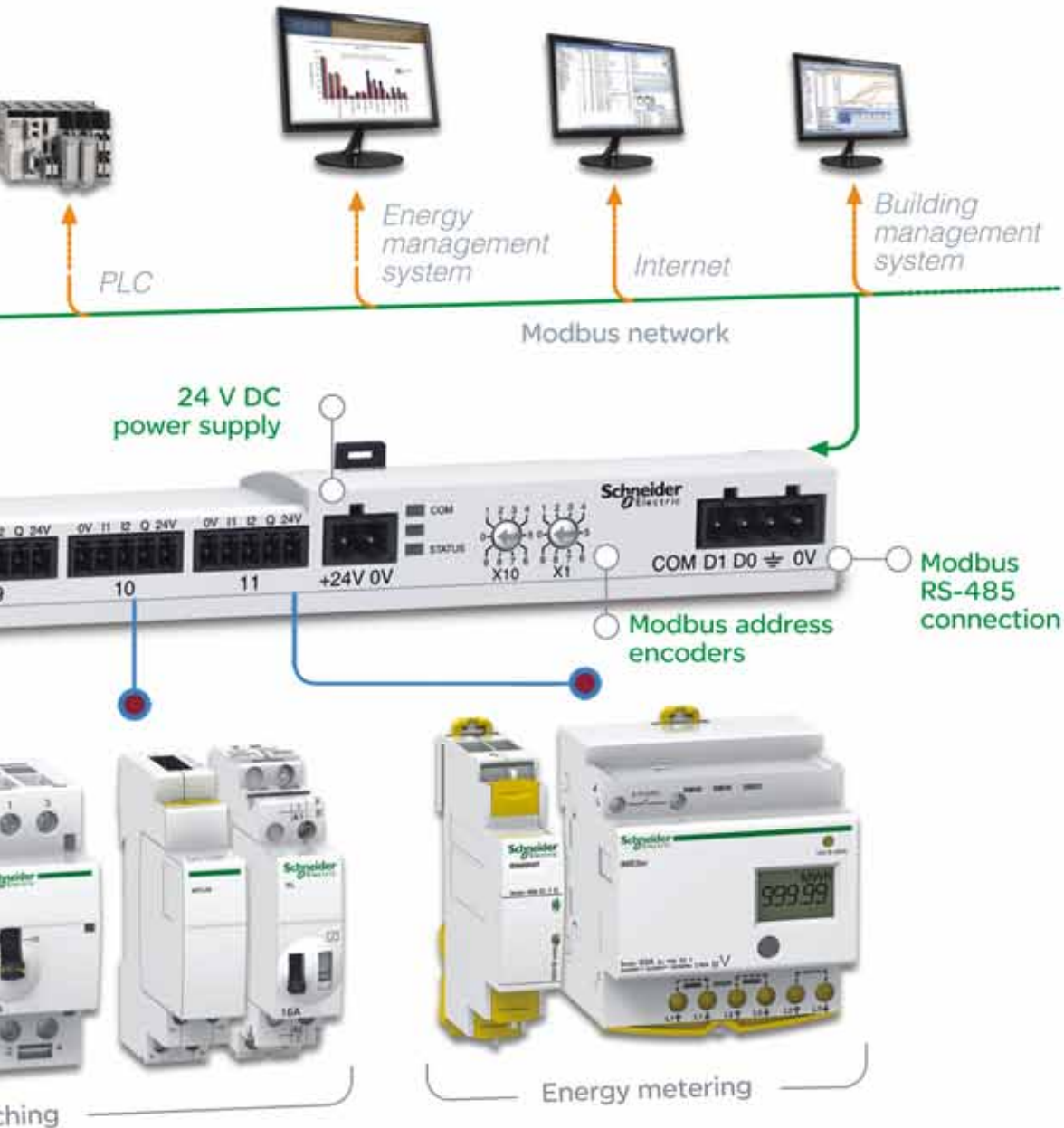
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- Compliance to IEC/EN 61131-2
- Modbus processing interface providing:
 - Circuit Breaker status
 - Energy meter output
 - Contactor/Impulse relay control and status
- Smart functions integrated
 - Energy counting from pulses
 - Average power calculation
 - Event counting
 - Running hours
- Fast, safe and simplified cabling: Pre-fabricated cables
- Rated Voltage: 24V DC

Description	Reference	Unit MRP [₹]
Smartlink Modbus	A9XMSB11	29155
Smartlink IP	A9XMEA08	32550



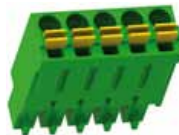
Auxiliary for Protection Devices (OF+SD24)

Auxiliary for Contactors (iACT24)

Auxiliary for Impulse Relays (iATL24)

Description	Module Width	Reference	Unit MRP [₹]
OF+SD24	0.5	A9N26899	1960
iACT24	1	A9C15924	9450
iATL24	1	A9C15424	9950

Accessories



Description	Set of	Reference	Unit MRP [₹]
Prefabricated Cables:			
With 2 Connectors			
Short: 100mm	6	A9XCAS06	3895
Medium Sized: 160mm	6	A9XCAM06	3925
Long: 870mm	6	A9XCAL06	4470
With 1 Connector			
Long:870mm	6	A9XCAU06	2685
Connectors			
5-pin connectors (TI24)	12	A9XC2412	5620
Mounting Kit			
Din Rail (4 feet, 4 Straps, 4 Adapters)	1	A9XMFA04	1090
Multiclip			
Multiclip 80A	1	04000	6780
Spare Parts			
Lock for Multiclip 80A (2 clips)	1	A9XMLA02	336
Distribloc 63A			
Distribution from the top (4 Module)	1	04040	7890
Distribution through the bottom (4 Module)	1	04041	7905
Power Logic EGX100 - Ethernet port (4 Module)	1	30002879	28000
Power Logic EGX300 - Ethernet port (4 Module)	1	30002885	30000
ABL Power Supply - 1.2A 24VDC	1	ABL8MEM24012	5700
ABL Power Supply - 0.6A 24VDC	1	ABL8MEM24006	4200
Double DIN rail	1	LSL58801A	370

✓ NORMAL STOCK ITEMS

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Reflex iC60 - Integrated Control & Overcurrent Protection Device



- 10kA Breaking capacity as per IEC/EN 60947-2,
- Ti24 interface: Connection to PLC
- 3 operating modes: For various applications
- For safe lock down: Integrated Padlocking
- Simplified maintenance: Front face indicator allows better reliability

[In] Rated Current (A)	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width **	4.5 mod		5.5 mod		6.5 mod	
B Curve						
10	A9C61210	30870	A9C61310	33225	A9C61410	34570
16	A9C61216	30890	A9C61316	33255	A9C61416	34610
25	A9C61225	30925	A9C61325	33320	A9C61425	34680
40	A9C61240	32865	A9C61340	36210	A9C61440	38545
63	A9C61263	34010	A9C61363	36915	A9C61463	38790
C Curve						
10	A9C62210	30875	A9C62310	33230	A9C62410	34580
16	A9C62216	30890	A9C62316	33255	A9C62416	34610
25	A9C62225	30925	A9C62325	33310	A9C62425	34685
40	A9C62240	32875	A9C62340	36230	A9C62440	38570
63	A9C62263	34005	A9C62363	36915	A9C62463	38795
D Curve						
10	A9C63210	30875	A9C63310	33230	A9C63410	34580
16	A9C63216	30890	A9C63316	33250	A9C63416	34610
25	A9C63225	30925	A9C63325	33320	A9C63425	34685

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
- iME meters with localized display

Description	Reference	Unit MRP [₹]
iEM3000 Series, DIN Rail Mounting - 1Phase / 3 Phase - for LV Distribution		
● Accuracy class 1 / 0.5S , Suitable for Direct Current Measurement up to 63 Amp for four Quadrant Measurement , DI/DO and Alarm		
iEM 2000T 1Ph Energy Meter upto 40A, POP w/o Display	A9MEM2000T	6245
iEM Single Phase Energy Meter upto 63A with POP, Accuracy CL 1	A9M17067	11014
iEM3110 3 Phase Energy Meter Energy Meter with POP Accuracy CL 1 0	A9MEM3110	13980
iEM3150 3 Phase Energy Meter Energy Meter with V,I,Power, Accuracy C L 1 0, with Modbus	A9MEM3150	15415
iEM3155 Multifunction 3 Phase Energy Meter with V,I,F,PF,Power, Energy,1DI/1DO, Multi Tariff, with Modbus Accuracy CL1 0	A9MEM3155	16137

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

Acti 9

Advanced Communication
Technology that Inspires

> Protection de vices

- 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

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 Installation Life : Energy limitation class: 3
- Tropicalization: T2 - relative humidity 95% at 55°C
- Higher performance by Low cost : Cascading*
- Increase system continuity : Discrimination*
- Reference Temperature of 50°C as per IEC60947-2

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

B curve

6	A9N1P06B ✓	250	A9N2P06B ✓	736	A9N3P06B ✓	1210	A9N4P06B ✓	1625
10	A9N1P10B ✓	250	A9N2P10B ✓	736	A9N3P10B ✓	1210	A9N4P10B ✓	1625
16	A9N1P16B ✓	250	A9N2P16B ✓	736	A9N3P16B ✓	1210	A9N4P16B ✓	1625
20	A9N1P20B ✓	250	A9N2P20B ✓	736	A9N3P20B ✓	1210	A9N4P20B ✓	1625
25	A9N1P25B ✓	250	A9N2P25B ✓	736	A9N3P25B ✓	1210	A9N4P25B ✓	1625
32	A9N1P32B ✓	250	A9N2P32B ✓	736	A9N3P32B ✓	1210	A9N4P32B ✓	1625
40	A9N1P40B ✓	538	A9N2P40B ✓	1205	A9N3P40B ✓	1845	A9N4P40B ✓	2340
50	A9N1P50B ✓	538	A9N2P50B ✓	1205	A9N3P50B ✓	1845	A9N4P50B ✓	2340
63	A9N1P63B ✓	538	A9N2P63B ✓	1205	A9N3P63B ✓	1845	A9N4P63B ✓	2340

C curve

1	A9N1P01C ✓	382	A9N2P01C ✓	1040	A9N3P01C ✓	1595	A9N4P01C ✓	2030
2	A9N1P02C ✓	382	A9N2P02C ✓	1040	A9N3P02C ✓	1595	A9N4P02C ✓	2030
3	A9N1P03C ✓	382	A9N2P03C ✓	1040	A9N3P03C ✓	1595	A9N4P03C ✓	2030
4	A9N1P04C ✓	382	A9N2P04C ✓	1040	A9N3P04C ✓	1595	A9N4P04C ✓	2030
6	A9N1P06C ✓	258	A9N2P06C ✓	750	A9N3P06C ✓	1230	A9N4P06C ✓	1650
10	A9N1P10C ✓	258	A9N2P10C ✓	750	A9N3P10C ✓	1230	A9N4P10C ✓	1650
16	A9N1P16C ✓	258	A9N2P16C ✓	750	A9N3P16C ✓	1230	A9N4P16C ✓	1650
20	A9N1P20C ✓	258	A9N2P20C ✓	750	A9N3P20C ✓	1230	A9N4P20C ✓	1650
25	A9N1P25C ✓	258	A9N2P25C ✓	750	A9N3P25C ✓	1230	A9N4P25C ✓	1650
32	A9N1P32C ✓	258	A9N2P32C ✓	750	A9N3P32C ✓	1230	A9N4P32C ✓	1650
40	A9N1P40C ✓	548	A9N2P40C ✓	1230	A9N3P40C ✓	1880	A9N4P40C ✓	2385
50	A9N1P50C ✓	548	A9N2P50C ✓	1230	A9N3P50C ✓	1880	A9N4P50C ✓	2385
63	A9N1P63C ✓	548	A9N2P63C ✓	1230	A9N3P63C ✓	1880	A9N4P63C ✓	2385

D curve

1	A9N1P01D ✓	394	A9N2P01D ✓	1070	A9N3P01D ✓	1645	----	----
2	A9N1P02D ✓	394	A9N2P02D ✓	1070	A9N3P02D ✓	1645	A9N4P02D ✓	2090
3	A9N1P03D ✓	394	A9N2P03D ✓	1070	A9N3P03D ✓	1645	A9N4P03D ✓	2090
4	A9N1P04D ✓	394	A9N2P04D ✓	1070	A9N3P04D ✓	1645	A9N4P04D ✓	2090
6	A9N1P06D ✓	336	A9N2P06D ✓	806	A9N3P06D ✓	1285	A9N4P06D ✓	1710
10	A9N1P10D ✓	336	A9N2P10D ✓	806	A9N3P10D ✓	1285	A9N4P10D ✓	1710
16	A9N1P16D ✓	336	A9N2P16D ✓	806	A9N3P16D ✓	1285	A9N4P16D ✓	1710
20	A9N1P20D ✓	336	A9N2P20D ✓	806	A9N3P20D ✓	1285	A9N4P20D ✓	1710
25	A9N1P25D ✓	336	A9N2P25D ✓	806	A9N3P25D ✓	1285	A9N4P25D ✓	1710
32	A9N1P32D ✓	336	A9N2P32D ✓	806	A9N3P32D ✓	1285	A9N4P32D ✓	1710
40	A9N1P40D ✓	606	A9N2P40D ✓	1315	A9N3P40D ✓	2010	A9N4P40D ✓	2550
50	A9N1P50D ✓	606	A9N2P50D ✓	1315	A9N3P50D ✓	2010	A9N4P50D ✓	2550
63	A9N1P63D ✓	606	A9N2P63D ✓	1315	A9N3P63D ✓	2010	A9N4P63D ✓	2550

Note: * Please contact Sales Office for Coordination Chart
**18mm/module

Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60898, Icn = 10kA/15kA
- Positive break indication
- 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

NEW

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1.5 mod		3 mod		4.5 mod		6 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	
C120N (10kA)								
80	A9N18357 ✓	1975	A9N18361 ✓	4385	A9N18365 ✓	6905	A9N18372 ✓	9005
100	A9N18358 ✓	2215	A9N18362 ✓	4680	A9N18367 ✓	7360	A9N18374 ✓	9345
125	A9N18359 ✓	2390	A9N18363 ✓	5140	A9N18369 ✓	8170	A9N18376 ✓	10615
C120H (15kA)								
80	A9N18446	2365	A9N18457	5330	A9N18468	8115	A9N18479	10420
100	A9N18447	2615	A9N18458	5460	A9N18469	8845	A9N18480	11235
125	A9N18448	2850	A9N18459	6195	A9N18470	9535	A9N18481	12205

Miniature Circuit Breakers - C60H-DC



- 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
- Energy limitation class: 3

[In] Rated Current (A)	Module Width 18mm/module	1 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]
MOQ		12 Nos.			6 Nos.	
C60H-DC						
0.5	1	A9N61500	670	2	A9N61520	1415
1	1	A9N61501 ✓	670	2	A9N61521 ✓	1415
2	1	A9N61502 ✓	670	2	A9N61522 ✓	1415
3	1	A9N61503 ✓	670	2	A9N61523 ✓	1415
4	1	A9N61504 ✓	670	2	A9N61524 ✓	1415
5	1	A9N61505	670	2	A9N61525	1415
6	1	A9N61506 ✓	520	2	A9N61526 ✓	1155
10	1	A9N61508 ✓	520	2	A9N61528 ✓	1155
16	1	A9N61511 ✓	520	2	A9N61531 ✓	1155
20	1	A9N61512 ✓	520	2	A9N61532 ✓	1155
25	1	A9N61513 ✓	520	2	A9N61533 ✓	1155
32	1	A9N61515 ✓	520	2	A9N61535 ✓	1155
40	1	A9N61517 ✓	684	2	A9N61537 ✓	1560
50	1	A9N61518 ✓	684	2	A9N61538 ✓	1560
63	1	A9N61519 ✓	684	2	A9N61539 ✓	1560



NG125 MCB	
Current Rating	up to 125A
Poles	1P, 2P, 3P, 4P
Breaking Capacity	16kA, 25kA, 36kA, 50kA
Standard	IEC/EN 60947-2



UL MCB		
Type	UL1077 MCB	UL489 MCB
Poles	1,2,3,4	1,2,3
Breaking Capacity	10kA	10kA
Standard	IEC 60947-2/UL1077/CSA	IEC 60947-2/ UL489

Note:

Separate MCB range available for PV applications.
For references and prices contact nearest sales office or customer care.

Residual Current Circuit Breakers (RCCBs) - xID



- Complies to standards IEC/EN 61008-1 and IS 12640
- AC Class
- Selective range available for time based discrimination
- Immune to nuisance tripping due to transient over voltage (lighting, switching surges)
- Easy Monitoring: Earth fault indication on front face
- 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	2690	4	A9N16251	3650
	100	2	A9N16203	2830	4	A9N16253	3765
	300	2	A9N16202	2905	4	A9N16252	3875
40	30	2	A9N16204	3150	4	A9N16254	3665
	100	2	A9N16205	3310	4	A9N16255	3840
	300	2	A9N16206	3415	4	A9N16256	3915
63	30	2	A9N16208	3695	4	A9N16258	4205
	100	2	A9N16209	3905	4	A9N16259	4490
	300	2	A9N16210	3980	4	A9N16260	4535
80	30	2	A9N16212	6250	4	A9N16261	7030
	100	2	A9N16213	6550	4	A9N16262	7240
	300	2	A9N16214	6670	4	A9N16263	7355

RCCB-ID - Special 100/125A



- Complies to standards IEC 61008-1 and VDE 0664
- AC Class
- Pollution Degree - 3
- Immune to nuisance tripping due to transient over voltages
- Electrical ON/OFF indication by using OFSP auxiliary

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
4P	100	30	4	**A9R11491	8975
		100	4	**A9R12491	9085
		30	4	16905	25045
	125	100	4	16906	25795
		300	4	16907	26295

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

RCBO - DPN N Vigì



- Complies to standards IEC/EN 61009
- AC class protection
- Immune to nuisance tripping due to transient over voltages
- Overvoltage category (IEC 60364): IV
- Tripping characteristics - C Curve
- Suitable for indication & tripping auxiliaries

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
1P+N	6	30	2	A9N19661	4020
		300	2	A9N19681	4140
	10	30	2	A9N19663	4020
		300	2	A9N19683	4140
	16	30	2	A9N19665	4020
		300	2	A9N19685	4140
	20	30	2	A9N19666	4020
		300	2	A9N19686	4140
	25	30	2	A9N19667	4020
		300	2	A9N19687	4140
	32	30	2	A9N19668	4225
		300	2	A9N19688	4350
	40	30	2	A9N19669	4995
		300	2	A9N19689	5140

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

RCCB - xID SI (Super Immunized)



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

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16234	5875	4	A9N16321	6530
40	30	2	A9N16237	6185	4	A9N16324	6745
63	30	2	A9N16240	6340	4	A9N16327	6925
	300	2	A9N16246	6350	4	A9N16334	7225

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



- No auxiliary supply required
- AC Class
- Insulation Voltage: 500V
- Pollution Degree: 3
- Immune to nuisance tripping due to transient over voltages
- Flexibility to use MCB of any tripping curve to suit applications, ensuring best 3 in 1 protection

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	1.5	A9N26581	2660	3	A9N26595	3195
	100	1.5	A9N26582	3325	3	A9N26596	3450
	300	1.5	A9N26583	3425	3	A9N26597	3550
63	30	2	A9N26611	3725	3.5	A9N26643	3915
	100	2	A9N26612	3870	3.5	A9N26644	3990
	300	2	A9N26613	3950	3.5	A9N26645	4070

Note: * Vigi Block available for C120 and NG125 also.

RCBO - DPN N Vigi SI (Super Immunized)



- Complies to standard IEC/EN 61009
- Rated breaking capacity Icn: 6kA
- Ensures continuity of supply in networks with:
 - Transient overvoltages
 - Loads generating HF leakage current i.e. harmonics
 - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with :
 - Pulsating DC components
 - HF applications which "Blinds" (non-tripping) the conventional RCDs

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
1P+N	6	30	2	A9N19631	*
		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 our nearest Sales Office.

Note: For all above references MOQ = 1



Common Auxiliaries for xC60/C120/RCD Range

- Mounted on left side with maximum width of 54 mm
- Clip fitted
- Maximum of 3 indication auxiliaries
- Maximum of 2 tripping auxiliaries (MX+OF, MN, MSU)
- Maximum 2 changeover auxiliaries (OF+SD/OF)

Type	Module Width 18mm/module	Reference	Unit MRP [₹]
Auxiliary switch for RCCB upto 80A (OF-S)	0.5	A9N26923	898
Auxiliary switch for RCCBs 125A (OFSP)	0.5	16940	1340
OF Auxiliary Switch: for ON/OFF indications	0.5	A9N26924	750
SD Alarm Switch: for Trip on fault indications	0.5	A9N26927	878
MX + OF Shunt Rel. 110-415V AC: for Remote tripping of Circuit Breaker	1	A9N26946	2040
MX + OF Shunt Rel. 12-24V AC/DC: for Remote tripping of Circuit Breaker	1	A9N26948	2040
MN U/V Release 220-240V AC	1	A9N26960	1835
MSU O/V release 275V AC	1	A9N26500	3165
OF + SD/OF Auxiliary switch	0.5	A9N26929	2425
OF+SD24 auxiliary contact (Comm Ready)	0.5	A9N26899	1960

Note: For 100A RCCB auxiliary kindly contact Customer Care

Accessories



Type	Description	Reference	Unit MRP [₹]
Rotary Handle*	Breaker Switching Sub-Assembly	27046	2835
	Extended, Disconnectable handle	27047	1595
Padlock** (bag of 2)		26970	682
Multicable terminal for 3 copper cables**		19096	1120
Aluminum cable terminal**		27060	250
Spacer		A9N27062	74

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

**for modules xC60, xID, DPN Vigi, C60H-DC, xSW, SW60-DC, C60PV-DC

Note: For all above references MOQ = 1

Surge Arresters - Type 1+ 2



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

Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD1 25r	1P	2	16329	8010
	1P + N	4	16330	17630
	3P	6	16331	26440
	3P + N	8	16332	32850

Surge Arresters iPRD- Type 2 (Withdrawable type) NEW (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
 - Switching Surge
- Inbuilt health indicator
- Response time < 25ns
- I_{max} (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [Uc]: 340V
- Level of protection, Up: 1.0 - 2.0 kV
- Remote indication contact with 8r/20r/40r/65r

Type	Rated Voltage (V)	Pole Description	Module Width 18mm/module	Reference	Unit MRP [₹]
iPRD8	230	1P	1	A9L08100	2820
	230	1P+N	2	A9L08500	5520
	230/400	3P	3	A9L08300	7460
	230/400	3P+N	4	A9L08600	11270
iPRD8r	230	1P+N	2	A9L08501	6625
	230/400	3P+N	4	A9L08601	13525
iPRD20	230	1P	1	A9L20100	3220
	230	1P+N	2	A9L20500	7085
	230/400	3P	3	A9L20300	9075
iPRD20r	230/400	3P+N	4	A9L20600	13205
	230	1P+N	2	A9L20501	8505
	230/400	3P+N	4	A9L20601	15845
iPRD40	230	1P	1	A9L40100	4025
	230	1P+N	2	A9L40500	8240
	230/400	3P	3	A9L40300	11835
	230/400	3P+N	4	A9L40600	16505
iPRD40r	230	1P	1	A9L40101	4830
	230	1P+N	2	A9L40501	10630
	230/400	3P	3	A9L40301	15940
	230/400	3P+N	4	A9L40601	19805
iPRD65r	230	1P	1	A9L65101	6280
	230	1P+N	2	A9L65501	13820
	230/400	3P	3	A9L65301	18040
	230/400	3P+N	4	A9L65601	23410

Spare Cartridges for iPRD NEW



- Spare cartridges for iPRD8r, iPRD20r, iPRD40r and iPRD65r
- End of life indication available

Type	Spare cartridges for	Reference	Unit MRP [₹]
iPRD 65-350	iPRD65r	A9L65102	3930
iPRD 40-350	iPRD40, iPRD40r	A9L40102	3020
iPRD 20-350	iPRD20, iPRD20r	A9L20102	2415
iPRD 8-350	iPRD8, iPRD8r	A9L08102	2115
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	3180

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

*Surge Arresters iPRD- Type 2 (Withdrawable type)

(TT, TN-S, TN-C and IT Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against:
 - Indirect lighting surge
 - Switching Surge
- Inbuilt health indicator
- Response time < 25ns
- I_{max} (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [U_c]: 340V
- Level of protection, U_p: 1.0 - 2.0 kV
- Remote indication contact with 65r/40r

Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD 8	1P	1	A9L16576	2820
	1P + N	2	A9L16577	5520
	3P	3	A9L16449	7460
	3P + N	4	A9L16579	11270
PRD 20	1P	1	A9L16571	3220
	1P + N	2	A9L16572	7085
	3P	3	A9L16447	9075
	3P + N	4	A9L16574	13205
PRD 40	1P	1	A9L16566	4025
	1P + N	2	A9L16567	8240
	3P	3	A9L16568	11835
	3P + N	4	A9L16569	16505
PRD 40r	1P	1	A9L16561	4830
	1P + N	2	A9L16562	10630
	3P	3	A9L16445	15940
	3P + N	4	A9L16564	19805
PRD 65r	1P	1	A9L16556	6280
	1P + N	2	A9L16557	13820
	3P	3	A9L16443	18040
	3P + N	4	A9L16559	23410

*Surge Arresters Cartridge - Type 2 (for iPRD)



Type	[U _p] Voltage Level (kV)	Reference	Unit MRP [₹]
C65-340	1.5	A9L16681	3930
C40-340	1.2	A9L16685	3020
C20-340	1.2	A9L16687	2415
C8-340	1.2	A9L16689	2115
C neutral	1.2	A9L16691	3180

*Note: Available till stock Lasts

iQuick PRD - Type 2 with inbuilt MCB



Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
Quick PRD 8r	1P+N	4	A9L16298	7985
	3P	6.5	A9L16299	11965
	3P+N	7.5	A9L16300	14885
Quick PRD 40r	1P+N	4	A9L16292	11400
	3P	6.5	A9L16293	17090
	3P+N	7.5	A9L16294	21245

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

Type	[Ue] Maximum Operating Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD 40r	600	3	A9L16434	6230
	1000	3	A9L16436	7115

Surge Arresters for Communication Networks



- In conformance with standard IEC 61643 class 2 test
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential

Type	[Ue] Operational Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
PRI	48 V DC	1	A9L16339	11600
PRC	130 V AC	1	A9L16337	6760

Note: For all above references MOQ = 1

Isolator - xSW



- Complies to IEC 60669-1/60947-3
- 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	468
	63	2	6	A9S2P063	630
	80	2	6	A9S2P080	710
	100	2	6	A9S2P100	1070
	125	2	6	A9S2P125	1105
3	40	3	4	A9S3P040	828
	63	3	4	A9S3P063	952
4	40	4	3	A9S4P040	1040
	63	4	3	A9S4P063	1140
	80	4	3	A9S4P080	1615
	100	4	3	A9S4P100	1615
	125	4	3	A9S4P125	1715

Selector Switch - iSSW



- Rating 20A, 250V AC
- Complies to IEC 60947-5-1 and IEC 60669-1
- Electrical life (AC22): 30,000 cycles
- Tropicalization: T2
- 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	856
	2	2 C/O	2	6	A9E18071	1180
		1NO + 1NC	1	12	A9E18072	688
3	1	1 C/O	1	12	A9E18073	844
	2	2 C/O	2	6	A9E18074	1425

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 MRP [₹]
230V AC	1	A9A15322	320
8..12V AC	1	A9A15323	270

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
- Tropicalization: T2 - relative humidity 95% at 55°C

Type	Rating (A)	No. of Contacts	Module Width 18mm/module	Reference	Unit MRP [₹]
1P	25	1NO	1	A9C20731	1340
	16	2NO	1	A9C22712	1380
2P	25	2NO	1	A9C20732	1675
	40	2NO	2	A9C20842	2880
	63	2NO	2	A9C20862	3675
3P	25	3NO	2	A9C20833	2095
	40	3NO	2	A9C20843	4820
	63	3NO	3	A9C20863	5240
4P	25	4NO	2	A9C20834	2265
	40	4NO	2	A9C20844	4915
	63	4NO	3	A9C20864	5930
	63	2NO + 2NC	3	A9C20868	5930

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
- Pollution degree: 3 and overvoltage degree: IV

Type	Rating (A)	Control Voltage	No. of Contacts	Module Width	Reference	Unit MRP
1P	16	230-240 VAC	1NO	1	A9C30811	842
	32	230-240 VAC	1NO	1	A9C30831	1055
2P	16	230-240 VAC	2NO	1	A9C30812	1380
	32	230-240 VAC	2NO	1	A9C30831 + A9C32836	3290
3P	16	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30811 + A9C32816	2630
	32	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30831 + 2 x A9C32836	5525
4P	16	230-240 VAC	4NO	2	A9C30814	2875
	32	230-240 VAC	4NO	2	A9C30831 + 3 x A9C32836	7760

Indication Products

iLL 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 MRP [₹]
Single indicator light	Red	1	A9E18320	898
	Green	1	A9E18321	898
	Blue	1	A9E18323	898
	Orange	1	A9E18324	898
3 phase voltage presence light	Red/Red/Red	1	A9E18327	1385
Single Push Button (1 NO+ 1NC)	Grey	1	A9E18033	1385

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Wander Plugs



- PK PratiKa SCREW: same orientation of clamps' screws
- 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 [₹]
PratiKa SCREW				
IP44				
16	200...250	2P + E	PKE16M423 <input checked="" type="checkbox"/>	338
	380...415	3P + E	PKE16M434 <input checked="" type="checkbox"/>	408
		3P + N + E	PKE16M435 <input checked="" type="checkbox"/>	442
32	200...250	2P + E	PKE32M423 <input checked="" type="checkbox"/>	538
	380...415	3P + E	PKE32M434	620
		3P + N + E	PKE32M435 <input checked="" type="checkbox"/>	624
IP67				
16	200...250	2P + E	PKE16M723 <input checked="" type="checkbox"/>	748
	380...415	3P + E	PKE16M734	844
		3P + N + E	PKE16M735	902
32	200...250	2P + E	PKE32M723	1065
	380...415	3P + E	PKE32M734 <input checked="" type="checkbox"/>	1140
		3P + N + E	PKE32M735 <input checked="" type="checkbox"/>	1150
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81378	3015
	380...415	3P + E	81382 <input checked="" type="checkbox"/>	2785
		3P + N + E	81383 <input checked="" type="checkbox"/>	2840
125	200...250	2P + E	81390	7320
	380...415	3P + E	81394	8445
		3P + N + E	81395	8445

Small Wall Mounted Sockets



- Conforms to IEC 60309-1 & IEC 60309-2
- External impact strength: IK 08
- Glow wire test: 850°C

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
IP44				
16	200...250	2P + E	PKF16W423	602
	380...415	3P + E	PKF16W434	694
		3P + N + E	PKF16W435	760
32	200...250	2P + E	PKF32W423	780
	380...415	3P + E	PKF32W434	942
		3P + N + E	PKF32W435	988
IP67				
16	200...250	2P + E	PKF16W723	958
	380...415	3P + E	PKF16W734	1195
		3P + N + E	PKF16W735	1240
32	200...250	2P + E	PKF32W723	1165
	380...415	3P + E	PKF32W734	1740
		3P + N + E	PKF32W735	2310

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

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	3670
	380...415	3P + E	81182	3775
		3P + N + E	81183	3795
125	200...250	2P + E	81190	12865
	380...415	3P + E	81194	13380
		3P + N + E	81195	13445

Wander Sockets



- PK PratiKa SCREW: same orientation of clamps' screws.
- PK PratiKa : 16 & 32A; IP44 & IP 67
- 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 [₹]
PratiKa SCREW				
IP44				
16	200...250	2P + E	PKF16M423 <input checked="" type="checkbox"/>	472
	380...415	3P + E	PKF16M434	548
		3P + N + E	PKF16M435	596
32	200...250	2P + E	PKF32M423 <input checked="" type="checkbox"/>	652
	380...415	3P + E	PKF32M434	766
		3P + N + E	PKF32M435 <input checked="" type="checkbox"/>	798
IP67				
16	200...250	2P + E	PKF16M723	872
	380...415	3P + E	PKF16M734	1100
		3P + N + E	PKF16M735	1150
32	200...250	2P + E	PKF32M723	1210
	380...415	3P + E	PKF32M734	1335
		3P + N + E	PKF32M735	1350
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81478	3210
	380...415	3P + E	81482	3260
		3P + N + E	81483	3325
125	200...250	2P + E	81490	10030
	380...415	3P + E	81494	10355
		3P + N + E	81495	10560

Note: For all above references MOQ = 1

Panel Mounted Sockets - Angled



- PK PratiKa SCREW: same orientation of clamp 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 <input checked="" type="checkbox"/>	362
	380...415	3P + E	PKF16F434	550
		3P + N + E	PKF16F435 <input checked="" type="checkbox"/>	582
32	200...250	2P + E	PKF32F423 <input checked="" type="checkbox"/>	616
	380...415	3P + E	PKF32F434	740
		3P + N + E	PKF32F435 <input checked="" type="checkbox"/>	768
IP67				
16	200...250	2P + E	PKF16F723 <input checked="" type="checkbox"/>	688
	380...415	3P + E	PKF16F734	786
		3P + N + E	PKF16F735	796
32	200...250	2P + E	PKF32F723	898
	380...415	3P + E	PKF32F734	1055
		3P + N + E	PKF32F735 <input checked="" type="checkbox"/>	1075
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81278	2845
	380...415	3P + E	81282 <input checked="" type="checkbox"/>	2895
		3P + N + E	81283 <input checked="" type="checkbox"/>	2925
125	200...250	2P + E	81290	9740
	380...415	3P + E	81294	9990
		3P + N + E	81295	10040

Note: For all above references MOQ = 1

Panel Mounted Sockets - Straight



- PK PratiKa SCREW: same orientation of clamps 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 <input checked="" type="checkbox"/>	412
	380...415	3P + E	PKF16G434	566
		3P + N + E	PKF16G435 <input checked="" type="checkbox"/>	622
32	200...250	2P + E	PKF32G423	632
	380...415	3P + E	PKF32G434	730
		3P + N + E	PKF32G435 <input checked="" type="checkbox"/>	782
IP67				
16	200...250	2P + E	PKF16G723 <input checked="" type="checkbox"/>	694
	380...415	3P + E	PKF16G734	784
		3P + N + E	PKF16G735	798
32	200...250	2P + E	PKF32G723	850
	380...415	3P + E	PKF32G734	956
		3P + N + E	PKF32G735	994
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81678	2845
	380...415	3P + E	81682	2895
		3P + N + E	81683	2925
125	200...250	2P + E	81690	9740
	380...415	3P + E	81694	9990
		3P + N + E	81695	10040

Note: For all above references MOQ = 1

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 IP44/65 versions
- Glow wire test: 750°C

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
IP44				
16	200...250	2P + E	83031	4765
	380...415	3P + E	83035	6595
		3P + N + E	83036	6725
32	200...250	2P + E	83042 <input checked="" type="checkbox"/>	6125
	380...415	3P + E	83046	7145
		3P + N + E	83047	7220
IP65				
16	200...250	2P + E	83081	4925
	380...415	3P + E	83085	6790
		3P + N + E	83086	6925
32	200...250	2P + E	83092	6400
	380...415	3P + E	83096	7685
		3P + N + E	83097	7685

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"/>	6020
	380...415	3P + E	82758	6300
		3P + N + E	82759	6615
32	200...250	2P + E	83791 <input checked="" type="checkbox"/>	6925
	380...415	3P + E	83795	7245
		3P + N + E	83796	7605

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	9695
	380...415	3P + E	82770	10145
		3P + N + E	82771	10645
63	380...415	3P + E	82782	11665
		3P + N + E	82783	12240

Note: For all above references MOQ = 1

High Accuracy, Specialized Solutions- for MV/LV Distribution



PowerLogic™ PM800 Series Power Meters

- > **PM870** with power quality compliance evaluation to the EN50160-IT I(CBEMA)/SEMI F-47 standards, Configurable Waveform capture with timestamp, Sag and Swell detection (V&I), Trending /Forecasting, 63rd Ind Harmonics (measured), Time Stamped Alarms, Maximum Alarms (40 Standard, 12 Digital, 10 Boolean & 12 Disturbance Alarms), Data Logs/Event Logs Memory (800Kb)
- > **PM850** with power quality compliance evaluation to the EN50160-IT I(CBEMA)/SEMI F-47 standards, Waveform capture with timestamp, Trending/Forecasting, 63rd Ind Harmonics (measured), Time Stamped Alarms, Maximum Alarms (40 Standard, 12 Digital, 10 Boolean & 12 Disturbance Alarms), Data Logs/Event Logs Memory (800Kb)
- > **PM820** with 31 Ind Harmonics (measured), Data Logs/Event Logs Memory(80Kb), Time Stamped Alarms, Maximum Alarms(40 Standard & 12 Digital)
- > **PM810** with maximum 40 Standard & 12 Digital Alarms. Individual Harmonics up to 31st in PM810MG (with Log module)

Common features

- > IEC61557-12 performance standard (PMD/SD/K70/0.5 and PMD/SS/K70/0.5)
- > ANSI 12.20 Class 0.2S and IEC 62053-22 Class 0.5S accuracy for active energy
- > WAGES metering up to 5 channels with pulse counters
- > 1 Digital Input +1 Digital Output, Time Stamped Min/Max, THD, Modbus RS485 Port, Aux Supply: 110-415V AC/125-250V DC, CT Sec: 1A/5A, Input Voltage: 0-600V AC / 0-340V AC (Direct) or 0-3 2 MV AC by External VT

Product	Reference		Unit MRP [₹]
PM 870	PM870MG		78030
PM 850	PM850MG		54101
PM 820	PM820MG	☑	38513
PM 810	PM810MG	☑	30457

Product	Description	Reference	Unit MRP [₹]
PM8-optional module	2 Relay O/P, 2DI, 2AI, 2AO	PM8M2222	15190
PM8-optional module	Ethernet module	PM8ECC	13317
PM8-optional module	Data logging module	PM810LOG	12277
PM8-optional module	2 Relay O/P, 6DI	PM8M26	8629
PM8-optional module	2 Relay O/P, 2DI	PM8M22	8323

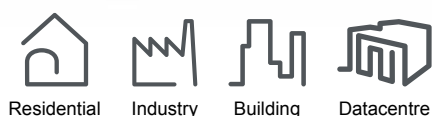
Smart Demand Controller - EM7200 Series

- > Accuracy class **0.2S, 0.5S and Class 1.0** per IEC 62053 21/22
- > **CE / UL** Certification as per IEC / UL61010 1 Ed 3
- > Versatile and fully user programmable, suitable for HT/LT with any CT/PT
- > 2 Digital inputs **3 Form C Relay outputs** for control
- > **TOU** for time enabled tariff users and auto resetting of energy parameters - weekdays, weekends, public holidays & offs.
- > **Import / Export** option enables monitoring of bi-directional power flow (also called 4 - quadrant measurement)
- > Utility meter cross check
- > **19 demand profile** settings for optimal demand planning
- > THD and individual harmonics up-to 15th
- > **Predictive demand**, present demand, max demand with date/time stamp. 4 peaks and 4 lows



Product	Description	Reference	Unit MRP [₹]
EM 7290	Demand Controller CI0.2S with RS485 Port	30002975	49994
EM 7280	Demand Controller CI0.5S with RS485 Port	30002198	39000
EM 7230	Demand Controller CI1.0S with RS485 Port	30002055	36000

High Accuracy, Compact, Power Meters - for HI/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 MRP [₹]
PM 5560	Class 0.2S, 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		57525
PM 5340	Class 0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003007D		29440
PM 5320	Class 0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003005D		27440
PM 5330	Class 0.5S, RS485 Port, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003006D		23940
PM 5310	Class 0.5S, RS485 Port., 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003003D		22740
PM 5110	Class 0.5S, RS485 Port, 1 pulse output, 15th harmonic, 33 Alarms, 64samples / cycle	30003004D	<input checked="" type="checkbox"/>	19800
PM 5100	Class 0.5S, 1 pulse output, 15th harmonic, 33 Alarms, 64 samples / cycle, 64samples / cycle	30003002D		15590

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	Reference	Unit MRP [₹]
PM 3255	METSEPM3255	15976
PM 3210	METSEPM3210	14560

PowerLogic™ iEM3000 Series Class Meters - LV Distribution

- | | | |
|--|---|--|
| <p>iEM3110
iEM3210
iEM3310</p> <ul style="list-style-type: none"> > Total kWh > Partial kWh + date and time of last reset > Pulse output up to 1000pulse/kWh > 1 Digital Out > Date and time of last reset > MID legal metrology certification | <p>iEM3150
iEM3250
iEM3350</p> <ul style="list-style-type: none"> > Modbus > Total kWh > Partial kWh + date and time of last reset > Self powered > By communication: kWh, A, V, kW, PF | <p>iEM3165, 3175
iEM32765, 3175
iEM3355</p> <ul style="list-style-type: none"> > Modbus > Total kWh, kVAh > Four quadrant > Partial kWh+ date and time of last reset > By communication: kWh, kVAh, P,Q, S, Kv, PF, 4 tariffs, digital input status, date/clock > 1 DI for circuit breaker status, input WAGES, 1 DO |
|--|---|--|



iEM31xx: 63A direct connect - CI1.0
iEM32xx: 1A / 5A CT connect - CI0.55
iEM33xx: 125A direct connect - CI1.0

iEM2010

iEM 33xx - CI1.0 , Direct current 125 A , Din Rail Meter

Product	Description	Reference	Unit MRP [₹]
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 CI0.5SCT		iEM 31xx CI1.0 - Direct current	
	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]
iEM 3x65	A9MEM3275	16876	A9MEM3175	17994
iEM 3x55	A9MEM3265	15258	A9MEM3165	16374
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 MRP [₹]
A9M17067	Single Phase Energy Meter upto 63A with counter display	A9M17067	6200
iEM 2010	Single Phase Energy Meter upto 40A, POP with counter display	A9MEM2010	5165
iEM 2000T	Single Phase Energy Meter upto 40A, POP without display	A9MEM2000T	4595

✓ NORMAL STOCK ITEMS

W.E.F. December 19, 2014

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



PM870+PM8ECC

Ethernet – TCP/IP Protocol Meters & Accessories

Product	Description	Reference	Unit MRP [₹]
ION Products	ION 8800, ION 8650, ION 7650, ION 7550, ION 7300 with Ethernet		On Request
ECC21	PowerLogic High Speed Ethernet card for CM4000T series	ECC21	64300
PM 5560	Two Ethernet ports with single IP, Class 0.2S, Web dashboard	30003008D	57525
PM 5340	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs, 2 Relays	30003007D	29440
PM 5320	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs	30003005D	27440



Ethernet Communication Gateways

EGX 300

- > 1 Ethernet port (10/100 Base T)
- > Inbuilt web dashboard
- > Custom web page support
- > Data logging for 64 devices
- > Real-time trending
- > Device discovery
- > TCP/IP, SNMP, Sntp, SMTP
- > Aux Supply 24 V DC

Com'X 200

- > 2 Ethernet ports (10/100 Base T)
- > Data Export (CSV, XML)
- > 6 Digital Inputs + 2 Analog Inputs
- > Max 64 devices support
- > 3 USB ports
- > Device discovery
- > LED indicators (GPRS, Modbus, Ethernet)
- > TCP/IP, Sntp, SMTP

EGX 100

- > 1 Ethernet port (10/100 Base T)
- > Max 32 devices support
- > Aux Supply 24 V DC

Product	Reference	Unit MRP [₹]
Com'X 200	EBX200	36667
EGX 300	30002885	29800
EGX 100	30002879	28000

India's Most Trusted, Reliable and Accurate Multifunction Meters



India's No.1 selling panel meter that pioneered communication and power quality measurements - EM6400 - Load Manager & EM6436 - Load Monitor

EM 6400 - Multi Function Meter - Load Manager

- > Accuracy C11.0, C10.5, C10.2
- > Aux Supply - 44 to 300V ac/dc
- > Parameters - Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs Interupts, Optional Demand & IE

Product	Description	Reference		Unit MRP [₹]
Class 0.2 Variants				
EM6400	EM6400 IE DM 1A 0.2 RS	30002925		35718
EM6400	EM6400 IE DM 5A 0.2 RS	30002923		35718
EM6400	EM6400 DM 1A 0.2 RS	30002916		32563
EM6400	EM6400 IE 1A 0.2 RS	30002919		31778
EM6400	EM6400 DM 1A 0.2	30002917		25467
EM6400	EM6400 5A 0.2	30002913		19157
EM6400	EM6400 DM 5A 0.2 RS	30002918		32563
EM6400	EM6400 0.2 RS	30002914		25467
Class 0.5S & Class 0.5 Variants				
EM6400	EM6400 IE DM 1A 0.5S RS	30002040		33337
EM6400	EM6400 IE DM 0.5 RS	30002083		32349
EM6400	EM6400 DM 1A 0.5S RS	30002041		29193
EM6400	EM6400 IE 1A 0.5S RS	30002042		28988
EM6400	EM6400 DM 0.5 RS	30002001	<input checked="" type="checkbox"/>	27924
EM6400	EM6400 IE DM 0.5	30001836		24906
EM6400	EM6400 IE 1A 0.5S	30002049		23087
EM6400	EM6400 DM 0.5	30002085		22883
EM6400	EM6400 IE 0.5	30002088		22086
EM6400	EM6400 0.5 RS	30002019	<input checked="" type="checkbox"/>	21125
EM6400	EM6400 1A 0.5S RS	30002036		20166
EM6400	EM6400 5A 0.5S RS	30002051		20166
EM6400	EM6400 1A 0.5S	30002034		15530
EM6400	EM6400 5A 0.5S	30002050		15530
EM6400	EM6400 0.5	30002022	<input checked="" type="checkbox"/>	14404
Class 1 Variants				
EM6400	EM6400 IE DM 1.0 RS	30002077		28676
EM6400	EM6400 IE 1.0 RS	30002246		26039
EM6400	EM6400 DM 1.0 RS	30002002	<input checked="" type="checkbox"/>	25658
EM6400	EM6400 DM 1.0	30002072		19622
EM6400	EM6400 IE 1.0	30002081		18871
EM6400	EM6400 1.0 RS	30002012	<input checked="" type="checkbox"/>	17339
EM6400	EM6400 1.0	30002021	<input checked="" type="checkbox"/>	12023

Note:

IE	Import/Export
RS	Rs 485 Port
DM	Demand
Accuracy	C10.2/C10.5/1.0

India's Most Trusted, Reliable and Accurate Multifunction Meters



India's No. 1 selling panel meter that pioneered communication and power quality measurements - EM6400 - Load Manager & 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 MRP [₹]
EM6436	EM6436 1A 0.2 RS	30002931		16258
EM6436	EM6436 5A 0.2 RS	30002933		16258
EM6436	EM6436 1A 0.2	30002206		14146
EM6436	EM6436 5A 0.5S RS	30002205		12240
EM6436	EM6436 0.5 RS	30002015	<input checked="" type="checkbox"/>	11621
EM6436	EM6436 5A 0.5S	30002204		10154
EM6436	EM6436 0.5	30002201		9693
EM6436	EM6436 1.0 RS	30001999	<input checked="" type="checkbox"/>	9605
EM6436	EM6436 1.0	30001994	<input checked="" type="checkbox"/>	7973



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 MRP [₹]
EM6434	EM6434 5A 0.55 RS	30002199		13009
EM6434	EM6434 0.5 RS	30002033		12443
EM6434	EM6434 1.0 RS	30002017	<input checked="" type="checkbox"/>	10210



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 MRP [₹]
EM6433	EM6433 1A 0.5S RS	30002336		7075
EM6433	EM6433 5A 0.5S RS	30002436		7075
EM6433	EM6433 0.5 RS	30002000	<input checked="" type="checkbox"/>	7051
EM6433	EM6433 1.0 RS	30002016	<input checked="" type="checkbox"/>	6214



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 MRP [₹]
EM6459	EM6459 1A 0.55 RS	30002223		6076
EM6459	EM6459 5A 0.5S	30002224		4630
EM6459	EM6459 1A 0.5S	30002222		4630
EM6459	EM6459 0.5 RS	30002221		5995
EM6459	EM6459 0.5	30002220		4546
EM6459	EM6459 1.0 RS	30001804	<input checked="" type="checkbox"/>	5289
EM6459	EM6459 1.0	30002008	<input checked="" type="checkbox"/>	3876

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 MRP [₹]
EM6436	EM6436dual DM 0.5 RS	30002438	20959
EM6436	EM6436dual 0.5 RS	30002278	16909
EM6436	EM6436dual DM 1.0 RS	30002351	18928
EM6436	EM6436dual 1.0 RS	30002277	14867
EM6436	EM6436dual 1.0	30002306	12263



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 MRP [₹]
EM6438	EM6438 DM 0.5 RS	30002437	13100
EM6438	EM6438 0.5 RS	30002269	7580
EM6438	EM6438 DM 1.0 RS	30002305	11525
EM6438	EM6438 1.0 RS	30002026	6480

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
 - ELF3259 - VAF meter
 - ELF3234 - W/VA/VAr/PF
 - ELF3234_3 - W/VA/VAr & PF

Product	Description	Reference	Unit MRP [₹]
ELF3234-3	ELF3234-3 0.5	30000619	6660
ELF3234	ELF3234 0.5	30000621	5700
ELF3259	ELF3259 0.5	30000620	2860
ELF3234-3	ELF3234-3 1.0	30000409	5320
ELF3234	ELF3234 1.0	30000859	4558
ELF3259	ELF3259 1.0	30000860	2281

Specialized Counter Energy Meters- Conzerv™ DM52xx



*Conzerv™ DM52xx

- > Accuracy CI1.0, CI0.5, CI0.2
- > Pulse output – for effective WAGES tracking on EMS systems
- > 3P4W & 3P3W wiring options

Product	Description		Unit MRP [₹]
DM5240	Energy Meter 3P4W 1.0 POP	<input checked="" type="checkbox"/>	4344
DM5240	Energy Meter 3P4W 0.5 POP		5151
DM5230	Energy Meter 3P3W 1.0 POP		3984
DM5230	Energy Meter 3P3W 0.5 POP		4781

*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 CI0.5, CI1.0
- > **Parameters** - KW, KWh & PF,
- > **Pulse output** - for basic tracking on EMS systems
- > **RS 485** - for native integration into EMS

Product	Description	Reference		Unit MRP [₹]
EM1200	EM1200 0.5 RS	30002572		4576
EM1000	EM1000 0.5 POP	30002571		3692
EM1200	EM1200 1.0 RS	30002565	<input checked="" type="checkbox"/>	3536
EM1000	EM1000 1.0 RS	30002568	<input checked="" type="checkbox"/>	2912



DM 6100 Series – VAF, PF Meters

- > Accuracy CI0.5, CI1.0
- > **DM6100** - VAF, PF meter
- > **DM6300** - VAF, PF meter with RS 485 port

Product	Description	Reference		Unit MRP [₹]
DM6300	DM6300 0.5 RS	30002570		3456
DM6100	DM6100 0.5	30002569		2700
DM6300	DM6300 1.0 RS	30002566		3078
DM6100	DM6100 1.0	30002567	<input checked="" type="checkbox"/>	2430

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 MRP [₹]
DM3210	Three phase Voltmeter 0.5	METSEDM3210		2498
DM3110	Three phase Ammeter 0.5	METSEDM3110		2498
DM1210	Single phase Voltmeter 0.5	METSEDM1210		1695
DM1110	Single phase Ammeter 0.5	METSEDM1110		1695
DM1310	Frequency meter 0.2	METSEDM1310		1290

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Just the Basics - Voltage / Ampere / Frequency Meters



Conzerv™ DM3000 / DM1000

Accuracy

- > Volts & Amps - CI 0.5/CI1.0
- > Frequency - 0.2
- > True RMS values

Bright red LED Display

- > Full 4 Digits, 0.1% Resolution
- > 14mm height, 7 segment

User-friendly

- > Auto exit from setup
- > Elegant ergonomic design
- > Intuitive dual function key
- > Bright LED indicators - Kilo & Phase indications for measured value

Product	Description	Reference		Unit MRP [₹]
DM3210	Three phase Voltmeter 0.5	30002462	<input checked="" type="checkbox"/>	2174
DM3110	Three phase Ammeter 0.5	30002461	<input checked="" type="checkbox"/>	2174
DM3210	Three phase Voltmeter 1.0	30002386	<input checked="" type="checkbox"/>	1608
DM3110	Three phase Ammeter 1.0	30002385	<input checked="" type="checkbox"/>	1608
DM1210	Single phase Voltmeter 0.5	30002460	<input checked="" type="checkbox"/>	1472
DM1110	Single phase Ammeter 0.5	30002459	<input checked="" type="checkbox"/>	1472
DM1210	Single phase Voltmeter 1.0	30002366	<input checked="" type="checkbox"/>	1092
DM1110	Single phase Ammeter 1.0	30002365	<input checked="" type="checkbox"/>	1092
DM1310	Single phase Frequency 0.2	30002367	<input checked="" type="checkbox"/>	1092
Accessories				
	Data Converter - RS485 to RS232	30000192		6426
	Connector Kit for EM6400	30000415		625
	Adaptor Plate 144X144 mm	30000089		76
	Tamper Proof cover for DM5230/DM5240	30000352		125
	ELF adaptor plate	30001808		35
	DM52XX Tamper protection kit	MESEDM5240TK		900

Power Factor Correction Products



Box (Square) Type 440V Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
VarPlus Box S Duty 440V Range				
MPP - Standard Duty Box 3Ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBSDY075A44	2454
MPP - Standard Duty Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBSDY100A44	3155
MPP - Standard Duty Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBSDY125A44	3944
MPP - Standard Duty Box 3Ph 15kVAr 440V 50Hz	15	1	MEHVBSDY150A44	4731
MPP - Standard Duty Box 3Ph 20kVAr 440V 50Hz	20	1	MEHVBSDY200A44	6308
MPP - Standard Duty Box 3Ph 25kVAr 440V 50Hz	25	1	MEHVBSDY250A44 <input checked="" type="checkbox"/>	7885
MPP - Standard Duty Box 3Ph 30kVAr 440V 50Hz	30	1	MEHVBSDY300A44	10103
MPP - Standard Duty Box 3Ph 50kVAr 440V 50Hz (single unit)	50	1	MEHVBSDY500A44	16838
VarPlus Box H Duty 440V Range				
MPP - Heavy Duty Box 3Ph 5kVAr 440V 50Hz	5	1	MEHVBHDY050A44 <input checked="" type="checkbox"/>	2232
MPP - Heavy Duty Box 3Ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBHDY075A44	3344
MPP - Heavy Duty Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBHDY100A44 <input checked="" type="checkbox"/>	4458
MPP - Heavy Duty Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBHDY125A44 <input checked="" type="checkbox"/>	5570
MPP - Heavy Duty Box 3Ph 15kVAr 440V 50Hz	15	1	MEHVBHDY150A44 <input checked="" type="checkbox"/>	6684
MPP - Heavy Duty Box 3Ph 20kVAr 440V 50Hz	20	1	MEHVBHDY200A44 <input checked="" type="checkbox"/>	8911
MPP - Heavy Duty Box 3Ph 25kVAr 440V 50Hz	25	1	MEHVBHDY250A44 <input checked="" type="checkbox"/>	11139
MPP - Heavy Duty Box 3Ph 30kVAr 440V 50Hz	30	1	MEHVBHDY300A44	13367
MPP - Heavy Duty Box 3Ph 50kVAr 440V 50Hz (single unit)	50	1	MEHVBHDY500A44	20915
VarPlus Box Energy (MD-XL) 440V Range				
Energy - MD-XL Box 3Ph 5kVAr 440V 50 Hz	5	1	MEHVBENY050A44 <input checked="" type="checkbox"/>	4079
Energy - MD-XL Box 3Ph 7.5kVAr 440V 50 Hz	7.5	1	MEHVBENY075A44	6115
Energy - MD-XL Box 3Ph 10kVAr 440V 50 Hz	10	1	MEHVBENY100A44 <input checked="" type="checkbox"/>	7784
Energy - MD-XL Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBENY125A44 <input checked="" type="checkbox"/>	9736
Energy - MD-XL Box 3Ph 15kVAr 440V 50 Hz	15	1	MEHVBENY150A44 <input checked="" type="checkbox"/>	11665
Energy - MD-XL Box 3Ph 20kVAr 440V 50 Hz	20	1	MEHVBENY200A44 <input checked="" type="checkbox"/>	15553
Energy - MD-XL Box 3Ph 25kVAr 440V 50 Hz	25	1	MEHVBENY250A44 <input checked="" type="checkbox"/>	19471
Energy - MD-XL Box 3Ph 30kVAr 440V 50 Hz	30	1	MEHVBENY300A44	23353
Energy - MD-XL Box 3Ph 50kVAr 440V 50 Hz(Single unit)	50	1	MEHVBENY500A44	42182
VarPlus Box APP 440V Range				
APP - Box 3Ph 5kVAr 440V 50Hz	5	1	MEHVBAPP050A44 <input checked="" type="checkbox"/>	3796
APP - Box 3Ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBAPP075A44	5694
APP - Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBAPP100A44 <input checked="" type="checkbox"/>	6581
APP - Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBAPP125A44 <input checked="" type="checkbox"/>	8227
APP - Box 3Ph 15kVAr 440V 50Hz	15	1	MEHVBAPP150A44 <input checked="" type="checkbox"/>	9872
APP - Box 3Ph 20kVAr 440V 50Hz	20	1	MEHVBAPP200A44 <input checked="" type="checkbox"/>	13163
APP - Box 3Ph 25kVAr 440V 50Hz	25	1	MEHVBAPP250A44 <input checked="" type="checkbox"/>	16453
APP - Box 3Ph 30kVAr 440V 50Hz	30	1	MEHVBAPP300A44	19701
APP - Box 3Ph 50kVAr 440V 50Hz (Bank 25kVAr x 2 nos)	50	1	MEHVBAPP500A44	34119

Power Factor Correction Products



Can (Cylindrical) Type 440V Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
EasyCan (S Duty) 440V Range				
MPP - Standard Duty Can 3Ph 1kVAr 440V 50Hz	1	3	MEHVCSDY010A44	437
MPP - Standard Duty Can 3Ph 2kVAr 440V 50Hz	2	3	MEHVCSDY020A44 ✓	609
MPP - Standard Duty Can 3Ph 3kVAr 440V 50Hz	3	3	MEHVCSDY030A44 ✓	914
MPP - Standard Duty Can 3Ph 4kVAr 440V 50Hz	4	3	MEHVCSDY040A44 ✓	1218
MPP - Standard Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCSDY050A44 ✓	1303
MPP - Standard Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCSDY075A44	1959
MPP - Standard Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCSDY100A44 ✓	2119
MPP - Standard Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCSDY125A44 ✓	2648
MPP - Standard Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCSDY150A44 ✓	3177
MPP - Standard Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCSDY200A44 ✓	4236
MPP - Standard Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCSDY250A44 ✓	5295
VarPlus Can (H Duty) 440V Range				
MPP - Heavy Duty Can 3Ph 1kVAr 440V 50Hz	1	3	MEHVCHDY010A44	702
MPP - Heavy Duty Can 3Ph 2kVAr 440V 50Hz	2	3	MEHVCHDY020A44 ✓	906
MPP - Heavy Duty Can 3Ph 3kVAr 440V 50Hz	3	3	MEHVCHDY030A44 ✓	1360
MPP - Heavy Duty Can 3Ph 4kVAr 440V 50Hz	4	3	MEHVCHDY040A44 ✓	1811
MPP - Heavy Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCHDY050A44 ✓	1926
MPP - Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCHDY075A44	2891
MPP - Heavy Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCHDY100A44 ✓	3608
MPP - Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCHDY125A44 ✓	4511
MPP - Heavy Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCHDY150A44 ✓	5412
MPP - Heavy Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCHDY200A44 ✓	7215
MPP - Heavy Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCHDY250A44 ✓	9018
MPP - Heavy Duty Can 3Ph 30kVAr 440V 50Hz	30	1	MEHVCHDY300A44	10822
MPP - Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00)	40	1	MEHVCHDY400A44	15082
MPP - Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00)	50	1	MEHVCHDY500A44	17266
VarPlus Can (GH Duty) 440V Range				
MPP - Gas Heavy Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCGSF050A44 ✓	2076
MPP - Gas Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCGSF075A44	3111
MPP - Gas Heavy Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCGSF100A44 ✓	3799
MPP - Gas Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCGSF125A44 ✓	4747
MPP - Gas Heavy Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCGSF150A44 ✓	5695
MPP - Gas Heavy Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCGSF200A44 ✓	7594
MPP - Gas Heavy Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCGSF250A44 ✓	9493
MPP - Gas Heavy Duty Can 3Ph 30kVAr 440V 50Hz	30	1	MEHVCGSF300A44	11386
MPP - Gas Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00)	40	1	MEHVCGSF400A44	15180
MPP - Gas Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00)	50	1	MEHVCGSF500A44	18254

Power Factor Correction Products



Detuned Filter Application Capacitors

Description	kVar Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
* Capacitors for 7%/5.7% , 440V Detuned Filter Application				
VarPlus Box H Duty 480V Range				
MPP - Heavy Duty Box 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVBHDY056A48	2500
MPP - Heavy Duty Box 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVBHDY067A48	2991
MPP - Heavy Duty Box 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVBHDY113A48	5044
MPP - Heavy Duty Box 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVBHDY144A48	6428
MPP - Heavy Duty Box 3Ph 17kVAr 480V 50Hz	17	1	MEHVBHDY170A48	7587
MPP - Heavy Duty Box 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVBHDY224A48	9153
MPP - Heavy Duty Box 3Ph 25kVAr 480V 50Hz	25	1	MEHVBHDY250A48	10217
MPP - Heavy Duty Box 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVBHDY281A48	11484
MPP - Heavy Duty Box 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVBHDY315A48	12873
MPP - Heavy Duty Box 3Ph 56.1kVAr 480V 50Hz (Single unit)	56.1	1	MEHVBHDY561A48	23373
VarPlus Box Energy (MD-XL) 480V Range				
Energy - MD-XL Box 3Ph 5.6kVAr 480V 50 Hz	5.6	1	MEHVBENY056A48	4562
Energy - MD-XL Box 3Ph 6.7kVAr 480V 50 Hz	6.7	1	MEHVBENY067A48	5458
Energy - MD-XL Box 3Ph 11.3kVAr 480V 50 Hz	11.3	1	MEHVBENY113A48	8794
Energy - MD-XL Box 3Ph 14.4kVAr 480V 50 Hz	14.4	1	MEHVBENY144A48	11215
Energy - MD-XL Box 3Ph 15.5kVAr 480V 50 Hz	15.5	1	MEHVBENY155A48	12071
Energy - MD-XL Box 3Ph 17kVAr 480V 50 Hz	17	1	MEHVBENY170A48	13241
Energy - MD-XL Box 3Ph 19kVAr 480V 50 Hz	19	1	MEHVBENY190A48	14798
Energy - MD-XL Box 3Ph 22.4kVAr 480V 50 Hz	22.4	1	MEHVBENY224A48	17446
Energy - MD-XL Box 3Ph 25.0kVAr 480V 50 Hz	25	1	MEHVBENY250A48	19478
Energy - MD-XL Box 3Ph 28.1kVAr 480V 50 Hz	28.1	1	MEHVBENY281A48	21893
Energy - MD-XL Box 3Ph 31.5kVAr 480V 50 Hz	31.5	1	MEHVBENY315A48	24542
Energy - MD-XL Box 3Ph 56.1kVAr 480V 50 Hz (single unit)	56.1	1	MEHVBENY561A48	47292
VarPlus Box APP 480V Range				
APP - Box 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVBAPP056A48	4194
APP - Box 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVBAPP067A48	5018
APP - Box 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVBAPP113A48	7437
APP - Box 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVBAPP125A48	8227
APP - Box 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVBAPP144A48	9478
APP - Box 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVBAPP155A48	9924
APP - Box 3Ph 17kVAr 480V 50Hz	17	1	MEHVBAPP170A48	10912
APP - Box 3Ph 19kVAr 480V 50Hz	19	1	MEHVBAPP190A48	12166
APP - Box 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVBAPP224A48	14377
APP - Box 3Ph 25kVAr 480V 50Hz	25	1	MEHVBAPP250A48	16009
APP - Box 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVBAPP281A48	17993
APP - Box 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVBAPP315A48	20171
APP - Box 3Ph 56.1kVAr 480V 50Hz (Bank 28.1kVAr x 2nos)	56.1	1	MEHVBAPP561A48	38281
VarPlus Can (H Duty) 480V Range				
MPP - Heavy Duty Can 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVCHDY056A48	2150
MPP - Heavy Duty Can 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVCHDY067A48	2573
MPP - Heavy Duty Can 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVCHDY113A48	4080
MPP - Heavy Duty Can 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVCHDY125A48	4514
MPP - Heavy Duty Can 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVCHDY144A48	5194
MPP - Heavy Duty Can 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVCHDY155A48	5590
MPP - Heavy Duty Can 3Ph 17kVAr 480V 50Hz	17	1	MEHVCHDY170A48	6133
MPP - Heavy Duty Can 3Ph 19kVAr 480V 50Hz	19	1	MEHVCHDY190A48	6855
MPP - Heavy Duty Can 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVCHDY224A48	8081
MPP - Heavy Duty Can 3Ph 25kVAr 480V 50Hz	25	1	MEHVCHDY250A48	9019
MPP - Heavy Duty Can 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVCHDY281A48	10128
MPP - Heavy Duty Can 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVCHDY315A48	11354

* Refer to Selection chart for Reactors & Capacitors available on page 8

☑ NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Power Factor Correction Products



Detuned Filter Application Capacitors

Description	kVAR Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
VarPlus Can (GH Duty) 480V Range				
MPP - GasHeavy Duty Can 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVCGSF056A48 <input checked="" type="checkbox"/>	2323
MPP - GasHeavy Duty Can 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVCGSF067A48	2780
MPP - GasHeavy Duty Can 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVCGSF113A48 <input checked="" type="checkbox"/>	4293
MPP - GasHeavy Duty Can 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVCGSF125A48	4749
MPP - GasHeavy Duty Can 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVCGSF144A48 <input checked="" type="checkbox"/>	5491
MPP - GasHeavy Duty Can 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVCGSF155A48	5911
MPP - GasHeavy Duty Can 3Ph 17kVAr 480V 50Hz	17	1	MEHVCGSF170A48 <input checked="" type="checkbox"/>	6484
MPP - GasHeavy Duty Can 3Ph 19kVAr 480V 50Hz	19	1	MEHVCGSF190A48	7247
MPP - GasHeavy Duty Can 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVCGSF224A48	8543
MPP - GasHeavy Duty Can 3Ph 25kVAr 480V 50Hz	25	1	MEHVCGSF250A48	9534
MPP - GasHeavy Duty Can 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVCGSF281A48 <input checked="" type="checkbox"/>	10703
MPP - GasHeavy Duty Can 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVCGSF315A48	11998
* Capacitors for 7%/ 5.7%/ 14% , 440V Filter Application				
VarPlus Box H Duty 525V Range				
MPP - Heavy Duty Box 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVBHDY069A52	3077
MPP - Heavy Duty Box 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVBHDY125A52	5562
MPP - Heavy Duty Box 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVBHDY138A52	6153
MPP - Heavy Duty Box 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVBHDY154A52	6864
MPP - Heavy Duty Box 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVBHDY172A52	7669
MPP - Heavy Duty Box 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVBHDY185A52	8261
MPP - Heavy Duty Box 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVBHDY206A52	9184
MPP - Heavy Duty Box 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVBHDY226A52	9233
MPP - Heavy Duty Box 3Ph 25kVAr 525V 50Hz	25	1	MEHVBHDY250A52	10211
MPP - Heavy Duty Box 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVBHDY275A52	11226
MPP - Heavy Duty Box 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVBHDY306A52	12509
MPP - Heavy Duty Box 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVBHDY331A52	13512
MPP - Heavy Duty Box 3Ph 37.7kVAr 525V 50Hz	37.7	1	MEHVBHDY377A52	15411
VarPlus Box Energy (MD - XL) 525V Range				
Energy - MD-XL Box 3Ph 6.9kVAr 525V 50 Hz	6.9	1	MEHVBENY069A52	5620
Energy - MD-XL Box 3Ph 12.5kVAr 525V 50 Hz	12.5	1	MEHVBENY125A52	9725
Energy - MD-XL Box 3Ph 13.8kVAr 525V 50 Hz	13.8	1	MEHVBENY138A52	10749
Energy - MD-XL Box 3Ph 15.4kVAr 525V 50 Hz	15.4	1	MEHVBENY154A52	11983
Energy - MD-XL Box 3Ph 17.2kVAr 525V 50 Hz	17.2	1	MEHVBENY172A52	13375
Energy - MD-XL Box 3Ph 18.5kVAr 525V 50 Hz	18.5	1	MEHVBENY185A52	14388
Energy - MD-XL Box 3Ph 20.6kVAr 525V 50 Hz	20.6	1	MEHVBENY206A52	16021
Energy - MD-XL Box 3Ph 22.6kVAr 525V 50 Hz	22.6	1	MEHVBENY226A52	17561
Energy - MD-XL Box 3Ph 25kVAr 525V 50 Hz	25	1	MEHVBENY250A52	19458
Energy - MD-XL Box 3Ph 27.5kVAr 525V 50 Hz	27.5	1	MEHVBENY275A52	21382
Energy - MD-XL Box 3Ph 30.6kVAr 525V 50 Hz	30.6	1	MEHVBENY306A52	23806
Energy - MD-XL Box 3Ph 33.1kVAr 525V 50 Hz	33.1	1	MEHVBENY331A52	25741
Energy - MD-XL Box 3Ph 37.7kVAr 525V 50 Hz	37.7	1	MEHVBENY377A52	29327

* Refer to Selection chart for Reactors & Capacitors available on page 8

Power Factor Correction Products



Detuned Filter Application Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
VarPlus Box APP 525V Range				
APP - Box 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVBAPP069A52	5168
APP - Box 3Ph 9.2kVAr 525V 50Hz	9.2	1	MEHVBAPP092A52	6892
APP - Box 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVBAPP125A52	8227
APP - Box 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVBAPP138A52	9078
APP - Box 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVBAPP154A52	10131
APP - Box 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVBAPP172A52	11029
APP - Box 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVBAPP185A52	11845
APP - Box 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVBAPP206A52	13190
APP - Box 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVBAPP226A52	14471
APP - Box 3Ph 25kVAr 525V 50Hz	25	1	MEHVBAPP250A52	16011
APP - Box 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVBAPP275A52	17610
APP - Box 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVBAPP306A52	19594
APP - Box 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVBAPP331A52	21195
APP - Box 3Ph 37.7kVAr 525V 50Hz	37.7	1	MEHVBAPP377A52	24140
VarPlus Can (H Duty) 525V Range				
MPP - Heavy Duty Can 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVCHDY069A52	2661
MPP - Heavy Duty Can 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVCHDY125A52	4517
MPP - Heavy Duty Can 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVCHDY138A52	4987
MPP - Heavy Duty Can 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVCHDY154A52	5564
MPP - Heavy Duty Can 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVCHDY172A52	6216
MPP - Heavy Duty Can 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVCHDY185A52	6684
MPP - Heavy Duty Can 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVCHDY206A52	7442
MPP - Heavy Duty Can 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVCHDY226A52	8165
MPP - Heavy Duty Can 3Ph 25kVAr 525V 50Hz	25	1	MEHVCHDY250A52	9036
MPP - Heavy Duty Can 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVCHDY275A52	9939
MPP - Heavy Duty Can 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVCHDY306A52	11058
MPP - Heavy Duty Can 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVCHDY331A52	11949
MPP - Heavy Duty Can 3Ph 34.4kVAr 525V 50Hz	34.4	1	MEHVCHDY344A52	12399
MPP - Heavy Duty Can 3Ph 37.7kVAr 525V 50Hz	37.7	1	MEHVCHDY377A52	13585
VarPlus Can (GH Duty) 525V Range				
MPP - GasHeavy Duty Can 3Ph 6.9kVAr 525V 50Hz	6.9	3	MEHVCGSF069A52	2870
MPP - GasHeavy Duty Can 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVCGSF125A52	4759
MPP - GasHeavy Duty Can 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVCGSF138A52	5254
MPP - GasHeavy Duty Can 3Ph 15.4kVAr 525V 50Hz	15.3	1	MEHVCGSF154A52	5825
MPP - GasHeavy Duty Can 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVCGSF172A52	6555
MPP - GasHeavy Duty Can 3Ph 18.5kVAr 525V 50Hz	18.4	1	MEHVCGSF185A52	7012
MPP - GasHeavy Duty Can 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVCGSF206A52	7851
MPP - GasHeavy Duty Can 3Ph 18.5kVAr 525V 50Hz	22.6	1	MEHVCGSF226A52	8613
MPP - GasHeavy Duty Can 3Ph 25kVAr 525V50Hz	25	1	MEHVCGSF250A52	9521
MPP - GasHeavy Duty Can 3Ph 27.5kVAr 525V50Hz	27.5	1	MEHVCGSF275A52	10480
MPP - GasHeavy Duty Can 3Ph 30.6kVAr 525V50Hz	30.6	1	MEHVCGSF306A52	11661
MPP - GasHeavy Duty Can 3Ph 33.1kVAr 525V50Hz	33.1	1	MEHVCGSF331A52	12615
MPP - Gas Heavy Duty Can 3Ph 34.4kVAr 525V50Hz	34.4	1	MEHVCGSF344A52	13110
MPP - GasHeavy Duty Can 3Ph 37.7kVAr 525V50Hz	37.7	1	MEHVCGSF377A52	14340

PFC - Harmonic Mitigation Products



Detuned Filter 440V Range

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
VarPlus Detuned Reactor 5.7%, 440V Range				
Detuned Reactor 5.7% 3Ph 5kVAr 440V 50Hz	5	1	LVR05050A44	9000
Detuned Reactor 5.7% 3Ph 10kVAr 440V 50Hz	10	1	LVR05100A44	12774
Detuned Reactor 5.7% 3Ph 12.5kVAr 440V 50Hz	12.5	1	LVR05125A44	14137
Detuned Reactor 5.7% 3Ph 15kVAr 440V 50Hz	15	1	LVR05150A44	14500
Detuned Reactor 5.7% 3Ph 20kVAr 440V 50Hz	20	1	LVR05200A44	16612
Detuned Reactor 5.7% 3Ph 25kVAr 440V 50Hz	25	1	LVR05250A44	16800
Detuned Reactor 5.7% 3Ph 50kVAr 440V 50Hz	50	1	LVR05500A44	28155
Detuned Reactor 5.7% 3Ph 75kVAr 440V 50Hz	75	1	LVR05750A44	41638
Detuned Reactor 5.7% 3Ph 100kVAr 440V 50Hz	100	1	LVR05X00A44	55520
VarPlus Detuned Reactor 7%, 440V Range				
Detuned Reactor 7% 3Ph 5kVAr 440V 50Hz	5	1	LVR07050A44 <input checked="" type="checkbox"/>	7826
Detuned Reactor 7% 3Ph 10kVAr 440V 50Hz	10	1	LVR07100A44 <input checked="" type="checkbox"/>	11304
Detuned Reactor 7% 3Ph 12.5kVAr 440V 50Hz	12.5	1	LVR07125A44 <input checked="" type="checkbox"/>	12935
Detuned Reactor 7% 3Ph 15kVAr 440V 50Hz	15	1	LVR07150A44 <input checked="" type="checkbox"/>	13859
Detuned Reactor 7% 3Ph 20kVAr 440V 50Hz	20	1	LVR07200A44 <input checked="" type="checkbox"/>	16488
Detuned Reactor 7% 3Ph 25kVAr 440V 50Hz	25	1	LVR07250A44 <input checked="" type="checkbox"/>	15698
Detuned Reactor 7% 3Ph 50kVAr 440V 50Hz	50	1	LVR07500A44 <input checked="" type="checkbox"/>	26250
Detuned Reactor 7% 3Ph 75kVAr 440V 50Hz	75	1	LVR07750A44 <input checked="" type="checkbox"/>	39375
Detuned Reactor 7% 3Ph 100kVAr 440V 50Hz	100	1	LVR07X00A44 <input checked="" type="checkbox"/>	52500
VarPlus Detuned Reactor 14%, 440V Range				
Detuned Reactor 14% 3Ph 5kVAr 440V 50Hz	5	1	LVR14050A44	9920
Detuned Reactor 14% 3Ph 10kVAr 440V 50Hz	10	1	LVR14100A44	14104
Detuned Reactor 14% 3Ph 12.5kVAr 440V 50Hz	12.5	1	LVR14125A44	16619
Detuned Reactor 14% 3Ph 15kVAr 440V 50Hz	15	1	LVR14150A44	19076
Detuned Reactor 14% 3Ph 20kVAr 440V 50Hz	20	1	LVR14200A44	25048
Detuned Reactor 14% 3Ph 25kVAr 440V 50Hz	25	1	LVR14250A44	24549
Detuned Reactor 14% 3Ph 50kVAr 440V 50Hz	50	1	LVR14500A44	40950
Detuned Reactor 14% 3Ph 75kVAr 440V 50Hz	75	1	LVR14750A44	61425
Detuned Reactor 14% 3Ph 100kVAr 440V 50Hz	100	1	LVR14X00A44	81900

PFC - Harmonic Mitigation Products



Active Harmonic Filter

Description	AMPS	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
AccuSine SWP (Single Unit)				
AccuSine SWP 20A 400V 50-60Hz IP20 Unitary	20	1	PCS020Y4IP20U	On Request
AccuSine SWP 30A 400V 50-60Hz IP20 Unitary	30	1	PCS030Y4IP20U	On Request
AccuSine SWP 45A 400V 50-60Hz IP20 Unitary	45	1	PCS045Y4IP20U	On Request
AccuSine SWP 60A 400V 50-60Hz IP20 Unitary	60	1	PCS060Y4IP20U	On Request
AccuSine SWP 90A 400V 50-60Hz IP20 Unitary	90	1	PCS090Y4IP20U	On Request
AccuSine SWP 120A 400V 50-60Hz IP20 Unitary	120	1	PCS120Y4IP20U	On Request
AccuSine SWP (Parallel Unit application)				
AccuSine SWP 20A 400V 50-60Hz IP20 Parallel	20	1	PCS020Y4IP20P	On Request
AccuSine SWP 30A 400V 50-60Hz IP20 Parallel	30	1	PCS030Y4IP20P	On Request
AccuSine SWP 45A 400V 50-60Hz IP20 Parallel	45	1	PCS045Y4IP20P	On Request
AccuSine SWP 60A 400V 50-60Hz IP20 Parallel	60	1	PCS060Y4IP20P	On Request
AccuSine SWP 90A 400V 50-60Hz IP20 Parallel	90	1	PCS090Y4IP20P	On Request
AccuSine SWP 120A 400V 50-60Hz IP20 Parallel	120	1	PCS120Y4IP20P	On Request

Note: Active Harmonic Filter prices on request



APFC Relays

Description	No. of Step	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
Varlogic APFC Relays - Classic Range				
RT6 , 6 step, 440V, 5A	6	1	51207 <input checked="" type="checkbox"/>	11746
RT8 , 8 step, 440V, 5A	8	1	51209 <input checked="" type="checkbox"/>	15224
RT12 , 12 step, 440V, 5A	12	1	51213 <input checked="" type="checkbox"/>	17662
Varlogic APFC Relays - Advanced Range				
NR6, 6 step LCD Display , 110V-415V, 5A	6	1	52448	24442
NR12, 12step LCD Display 110V-415V, 5A	12	1	52449	26910
NRC12, 12 step LCD Display, Dual PF setting , 110V-415V, 1A/5A Harmonic Spectrum	12	1	52450	60882

Annexure

Old Reference	New Reference
Standard Duty Box (S Duty) 440V	
MEH_VBSDY_075A44_3	MEHVBSDY075A44
MEH_VBSDY_100A44_3	MEHVBSDY100A44
MEH_VBSDY_125A44_3	MEHVBSDY125A44
MEH_VBSDY_150A44_3	MEHVBSDY150A44
MEH_VBSDY_200A44_3	MEHVBSDY200A44
MEH_VBSDY_250A44_3	MEHVBSDY250A44
MEH_VBSDY_300A44_3	MEHVBSDY300A44
MEH_VBSDY_500A44_3	MEHVBSDY500A44
Heavy Duty Box (H Duty) 440V	
MEH_VBHDY_050A44_3	MEHV BHDY050A44
MEH_VBHDY_075A44_3	MEHV BHDY075A44
MEH_VBHDY_100A44_3	MEHV BHDY100A44
MEH_VBHDY_125A44_3	MEHV BHDY125A44
MEH_VBHDY_150A44_3	MEHV BHDY150A44
MEH_VBHDY_200A44_3	MEHV BHDY200A44
MEH_VBHDY_250A44_3	MEHV BHDY250A44
MEH_VBHDY_300A44_3	MEHV BHDY300A44
MEH_VBHDY_500A44_3	MEHV BHDY500A44
Energy Box (MD-XL) 440V	
MEH_VBENY_050A44_3	MEHV BENY050A44
MEH_VBENY_075A44_3	MEHV BENY075A44
MEH_VBENY_100A44_3	MEHV BENY100A44
MEH_VBENY_125A44_3	MEHV BENY125A44
MEH_VBENY_150A44_3	MEHV BENY150A44
MEH_VBENY_200A44_3	MEHV BENY200A44
MEH_VBENY_250A44_3	MEHV BENY250A44
MEH_VBENY_300A44_3	MEHV BENY300A44
MEH_VBENY_500A44_3	MEHV BENY500A44
APP Box 440V	
MEH_VBAPP_050A44_3	MEHV BAPP050A44
MEH_VBAPP_075A44_3	MEHV BAPP075A44
MEH_VBAPP_100A44_3	MEHV BAPP100A44
MEH_VBAPP_125A44_3	MEHV BAPP125A44
MEH_VBAPP_150A44_3	MEHV BAPP150A44
MEH_VBAPP_200A44_3	MEHV BAPP200A44
MEH_VBAPP_250A44_3	MEHV BAPP250A44
MEH_VBAPP_300A44_3	MEHV BAPP300A44
MEH_VBAPP_500A44_3	MEHV BAPP500A44
Standard Duty Can (S Duty) 440V	
MEH_VCSDY_010A44_3	MEHV CSDY010A44
MEH_VCSDY_020A44_3	MEHV CSDY020A44
MEH_VCSDY_030A44_3	MEHV CSDY030A44
MEH_VCSDY_040A44_3	MEHV CSDY040A44
MEH_VCSDY_050A44_3	MEHV CSDY050A44
MEH_VCSDY_075A44_3	MEHV CSDY075A44
MEH_VCSDY_100A44_3	MEHV CSDY100A44
MEH_VCSDY_125A44_3	MEHV CSDY125A44
MEH_VCSDY_150A44_3	MEHV CSDY150A44
MEH_VCSDY_200A44_3	MEHV CSDY200A44
MEH_VCSDY_250A44_3	MEHV CSDY250A44
Heavy Duty Can (H Duty) 440V	
MEH_VCHDY_010A44_3	MEHV CHDY010A44
MEH_VCHDY_020A44_3	MEHV CHDY020A44
MEH_VCHDY_030A44_3	MEHV CHDY030A44
MEH_VCHDY_040A44_3	MEHV CHDY040A44
MEH_VCHDY_050A44_3	MEHV CHDY050A44
MEH_VCHDY_075A44_3	MEHV CHDY075A44
MEH_VCHDY_100A44_3	MEHV CHDY100A44
MEH_VCHDY_125A44_3	MEHV CHDY125A44
MEH_VCHDY_150A44_3	MEHV CHDY150A44
MEH_VCHDY_200A44_3	MEHV CHDY200A44
MEH_VCHDY_250A44_3	MEHV CHDY250A44
MEH_VCHDY_300A44_3	MEHV CHDY300A44
MEH_VCHDY_400A44_3	MEHV CHDY400A44
MEH_VCHDY_500A44_3	MEHV CHDY500A44

☑ NORMAL STOCK ITEMS

Old Reference	New Reference
Gas Heavy Duty Can (GH Duty) 440V	
MEH_VCGSF_050A44_3	MEHV CGSF050A44
MEH_VCGSF_075A44_3	MEHV CGSF075A44
MEH_VCGSF_100A44_3	MEHV CGSF100A44
MEH_VCGSF_125A44_3	MEHV CGSF125A44
MEH_VCGSF_150A44_3	MEHV CGSF150A44
MEH_VCGSF_200A44_3	MEHV CGSF200A44
MEH_VCGSF_250A44_3	MEHV CGSF250A44
MEH_VCGSF_300A44_3	MEHV CGSF300A44
MEH_VCGSF_400A44_3	MEHV CGSF400A44
MEH_VCGSF_500A44_3	MEHV CGSF500A44
Heavy Duty Box (H Duty) 480V	
MEH_VBHH1_050A44_3	MEHV BHDY056A48
MEH_VBHH1_100A44_3	MEHV BHDY113A48
MEH_VBHH1_125A44_3	MEHV BHDY144A48
MEH_VBHH1_150A44_3	MEHV BHDY170A48
MEH_VBHH1_200A44_3	MEHV BHDY224A48
MEH_VBHH1_250A44_3	MEHV BHDY281A48
MEH_VBHH1_500A44_3	MEHV BHDY561A48
Energy Box (MD-XL) 480V	
MEH_VBEH1_050A44_3	MEHV BENY056A48
MEH_VBEH1_100A44_3	MEHV BENY113A48
MEH_VBEH1_125A44_3	MEHV BENY144A48
MEH_VBEH1_150A44_3	MEHV BENY170A48
MEH_VBEH1_200A44_3	MEHV BENY224A48
MEH_VBENY_250A48_3	MEHV BENY250A48
MEH_VBEH1_250A44_3	MEHV BENY281A48
APP Box 480V	
MEH_VBAPP_056A48_3	MEHV BAPP056A48
MEH_VBAPP_113A48_3	MEHV BAPP113A48
MEH_VBAPP_125A48_3	MEHV BAPP125A48
MEH_VBAPP_140A48_3	MEHV BAPP144A48
MEH_VBAPP_158A48_3	MEHV BAPP155A48
MEH_VBAPP_168A48_3	MEHV BAPP170A48
MEH_VBAPP_190A48_3	MEHV BAPP190A48
MEH_VBAPP_224A48_3	MEHV BAPP224A48
MEH_VBAPP_250A48_3	MEHV BAPP250A48
MEH_VBAPP_281A48_3	MEHV BAPP281A48
MEH_VBAPP_315A48_3	MEHV BAPP315A48
MEH_VBAPP_561A48_3	MEHV BAPP561A48
Heavy Duty Can (H Duty) 480V	
MEH_VCHH1_050A44_3	MEHV CHDY056A48
MEH_VCHH1_100A44_3	MEHV CHDY113A48
MEH_VCHH1_125A44_3	MEHV CHDY144A48
MEH_VCHH1_150A44_3	MEHV CHDY170A48
MEH_VCHH1_200A44_3	MEHV CHDY224A48
MEH_VCHH1_250A44_3	MEHV CHDY281A48
Gas Heavy Duty Can (GH Duty) 480V	
MEH_VCGH1_050A44_3	MEHV CGSF056A48
MEH_VCGH1_100A44_3	MEHV CGSF113A48
MEH_VCGH1_125A44_3	MEHV CGSF144A48
MEH_VCGH1_150A44_3	MEHV CGSF170A48
MEH_VCGH1_200A44_3	MEHV CGSF224A48
MEH_VCGH1_250A44_3	MEHV CGSF281A48

W.E.F. December 19, 2014

Old Reference	New Reference
Heavy Duty Box (H Duty) 525V Range	
MEH_VBHH2_050A44_3	MEHVBHDY069A52
MEH_VBHH2_100A44_3	MEHVBHDY125A52
MEH_VBHDY_138A52_3	MEHVBHDY138A52
MEH_VBHH2_125A44_3	MEHVBHDY154A52
MEH_VBHDY_172A52_3	MEHVBHDY172A52
MEH_VBHH2_150A44_3	MEHVBHDY185A52
MEH_VBHDY_206A52_3	MEHVBHDY206A52
MEH_VBHH2_200A44_3	MEHVBHDY250A52
MEH_VBHDY_275A52_3	MEHVBHDY275A52
MEH_VBHH2_250A44_3	MEHVBHDY306A52
MEH_VBHDY_331A52_3	MEHVBHDY331A52
Energy Box (MD-XL) 525V	
MEH_VBEH2_050A44_3	MEHVBENY069A52
MEH_VBEH2_100A44_3	MEHVBENY125A52
MEH_VBENY_132A52_3	MEHVBENY138A52
MEH_VBEH2_125A44_3	MEHVBENY154A52
MEH_VBEH2_150A44_3	MEHVBENY185A52
MEH_VBEH2_200A44_3	MEHVBENY250A52
MEH_VBENY_264A52_3	MEHVBENY275A52
MEH_VBEH2_250A44_3	MEHVBENY306A52
MEH_VBENY_331A52_3	MEHVBENY331A52
MEH_VBEH2_300A44_3	MEHVBENY377A52
APP Box 525V	
MEH_VBAPP_061A52_3	MEHVBAPP069A52
MEH_VBAPP_092A52_3	MEHVBAPP092A52
MEH_VBAPP_122A52_3	MEHVBAPP125A52
MEH_VBAPP_138A52_3	MEHVBAPP138A52
MEH_VBAPP_153A52_3	MEHVBAPP154A52
MEH_VBAPP_172A52_3	MEHVBAPP172A52
MEH_VBAPP_189A52_3	MEHVBAPP185A52
MEH_VBAPP_206A52_3	MEHVBAPP206A52

Old Reference	New Reference
APP Box 525V	
MEH_VBAPP_226A52_3	MEHVBAPP226A52
MEH_VBAPP_250A52_3	MEHVBAPP250A52
MEH_VBAPP_275A52_3	MEHVBAPP275A52
MEH_VBAPP_306A52_3	MEHVBAPP306A52
MEH_VBAPP_331A52_3	MEHVBAPP331A52
MEH_VBAPP_377A52_3	MEHVBAPP377A52
Heavy Duty Can (H Duty) 525V	
MEH_VCHH2_050A44_3	MEHVCHDY069A52
MEH_VCHH2_100A44_3	MEHVCHDY125A52
MEH_VCHH2_125A44_3	MEHVCHDY154A52
MEH_VCHDY_165A52_3	MEHVCHDY172A52
MEH_VCHH2_150A44_3	MEHVCHDY185A52
MEH_VCHH2_200A44_3	MEHVCHDY250A52
MEH_VCHH2_250A44_3	MEHVCHDY306A52
MEH_VCHDY_331A52_3	MEHVCHDY331A52
MEH_VCHDY_377A52_3	MEHVCHDY377A52
Gas Heavy Duty Can (GH Duty) 525V	
MEH_VCGH2_050A44_3	MEHVCGSF069A52
MEH_VCGH2_100A44_3	MEHVCGSF125A52
MEH_VCGSF_137A52_3	MEHVCGSF138A52
MEH_VCGH2_125A44_3	MEHVCGSF154A52
MEH_VCGSF_165A52_3	MEHVCGSF172A52
MEH_VCGH2_150A44_3	MEHVCGSF185A52
MEH_VCGSF_206A52_3	MEHVCGSF206A52
MEH_VCGH2_200A44_3	MEHVCGSF250A52
MEH_VCGH2_250A44_3	MEHVCGSF306A52
MEH_VCGSF_331A52_3	MEHVCGSF331A52
MEH_VCGSF_377A52_3	MEHVCGSF377A52

Note: The prices is inclusive of ED. All other taxes are extra

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 Filter for 440V	Selection of 525V capacitors for 7%/ 5.7% detuned Filter for 440V	Selection of 525V capacitors for 14% detuned Filter 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

Note: The prices is inclusive of ED. All other taxes are extra

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	NX63	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

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	GV2ME20	13-18	LC1D25
9.0	18.1	50	GV2ME21	17-23	LC1D25
11.0	21	50	GV2ME22	20-25	LC1D25
15.0	28.5	35	GV2ME32	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.

Selection Chart:

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

- 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
1.5	3.5	50	GV2ME08	2.5-4	3XLC1K06
2.2	5	50	GV2ME10	4-6.3	3XLC1K06
3.0	6.5	50	GV2ME14	6-10	3XLC1K06
4.0	8.4	50	GV2ME14	6-10	3XLC1K06
5.5	11	15	GV2ME16	9-14	3XLC1K06
7.5	14.8	15	GV2ME20	13-18	3XLC1K09
9.0	18.1	15	GV2ME21	17-23	3XLC1D12
11.0	21	15	GV2ME22	20-25	3XLC1D12
15.0	28.5	10	GV2ME32	24-32	3XLC1D18
18.5	35	50	GV3P40	30-40	3XLC1D18
22.0	42	50	GV3P50	37-50	3XLC1D32
30.0	57	50	GV3P65	48-65	3XLC1D32
37.0	69	50	GV3P65	48-65	3XLC1D40A
45.0	81	25	GV7RE100	60-100	3XLC1D50A
55.0	100	25	GV7RE100	60-100	3XLC1D50A
75.0	135	35	GV7RE150	90-150	3XLC1D80
90.0	165	35	GV7RE220	132-220	3XLC1D115
110.0	200	35	GV7RE220	132-220	3XLC1D115

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

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

- No down time
- Fault indication features possible
- No replacement of hrc fuses
- More reliability
- No running cost

Motor Rating kW	Operational Current in A	Iq* Motor kA	Circuit Breaker	Thermal Range	Contactor
1.5	3.5	130	GV2P08	2.5-4.0	3XLC1D09
2.2	5	130	GV2P10	4-6.3	3XLC1D18
3.0	6.5	130	GV2P14	6-10	3XLC1D18
4.0	8.4	130	GV2P14	6-10	3XLC1D18
5.5	11	130	GV2P16	9-14	3XLC1D25
7.5	14.8	50	GV2P20	13-18	3XLC1D25
9.0	18.1	50	GV2P21	17-23	3XLC1D25
11.0	21	50	GV2P22	20-25	3XLC1D25
15.0	28.5	50	GV3P32	23-32	3XLC1D40A
18.5	35	50	GV3P40	30-40	3XLC1D50A
22.0	42	50	GV3P50	37-50	3XLC1D50A
30.0	57	50	GV3P65	48-65	3XLC1D65A
37.0	69	70	GV7RS80	48-80	3XLC1D80
45.0	81	70	GV7RS100	60-100	3XLC1D115
55.0	100	70	GV7RS100	60-100	3XLC1D115
75.0	135	70	GV7RS150	90-150	3XLC1D150
90.0	165	70	GV7RS220	132-220	3XLC1F185
110.0	200	70	GV7RS220	132-220	3XLC1F225

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.

Make the most of your energySM

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