

Life Is On

Schneider  
Electric



 Price List

# Panel Builder

With effect from January 11<sup>th</sup>, 2021



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



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# EcoStruxure™ Facility Expert

Designed to keep you in touch with your equipment

**Say goodbye** to paperwork, outdated files, conflicting information, missing documents, and unplanned maintenance.

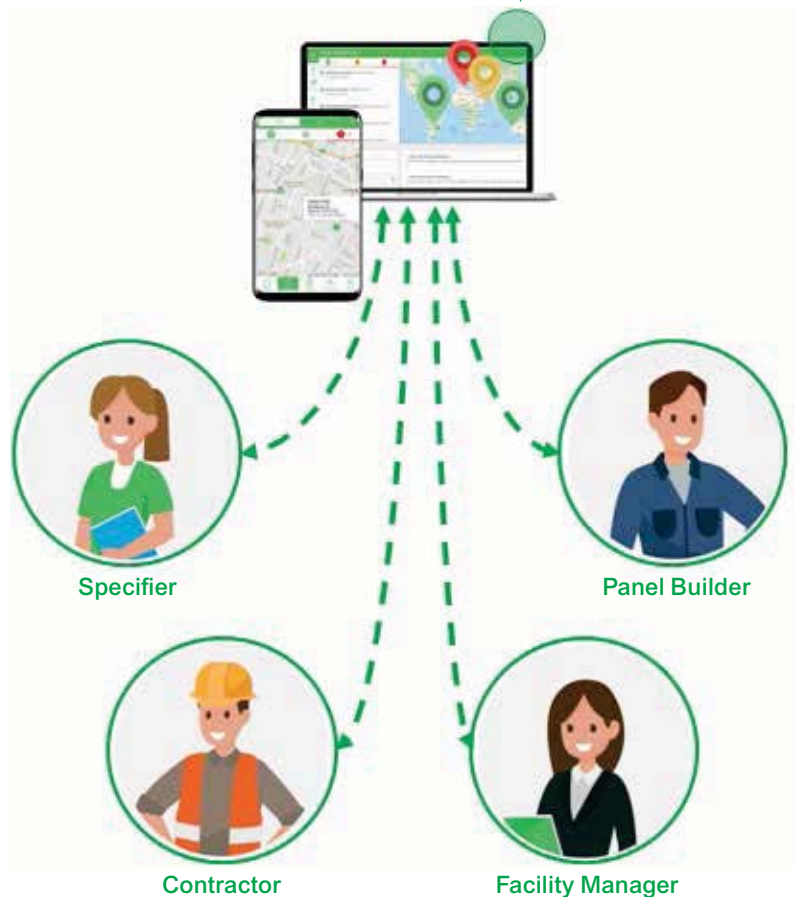
**Say hello** to extended insights, easier maintenance, greater productivity and information at your fingertips.

Because now, your electrical system becomes your partner with a simple QR code.



## Collaborate and get things done!

- **Toss the papers!** Group user manuals, single-line drawings, photos, factory and site acceptance test reports, spare parts lists and more behind a simple QR code.
- **Get crucial data organized!** Free collaborative digital tool enables you to share information with your partners and team members.



## Simplify and manage maintenance activities

- **Ease the set up of preventive maintenance plans** with auto-generated maintenance templates.
- **Streamline maintenance and operation** by assigning tasks and centralizing maintenance schedules, logs and reports.
- Leverage your digital community to **solve issues quickly**.
- **Keep your installation healthy** and maximize its life.

### Scan and Download

For free access to EcoStruxure™ Facility Expert



### Scan to know more

About how EcoStruxure™ Facility Expert can help you manage your equipment better





# Green Premium™

Endorsing eco-friendly products in the industry



## Green Premium™ Product

Green Premium is the only label that allows you to effectively develop and promote an environmental policy whilst preserving your business efficiency. This ecolabel guarantees compliance with up-to-date environmental regulations, but it does more than this.

Over 75% of Schneider Electric manufactured products have been awarded the Green Premium ecolabel



Discover what we mean by green ...

**Check your products!**

Schneider Electric's Green Premium ecolabel is committed to offering transparency, by disclosing extensive and reliable information related to the environmental impact of its products:

### RoHS

Schneider Electric products are subject to RoHS requirements at a worldwide level, even for the many products that are not required to comply with the terms of the regulation. Compliance certificates are available for products that fulfil the criteria of this European initiative, which aims to eliminate hazardous substances.

### REACH

Schneider Electric applies the strict REACH regulation on its products at a worldwide level, and discloses extensive information concerning the presence of SVHC (Substances of Very High Concern) in all of these products.

### PEP: Product Environmental Profile

Schneider Electric publishes complete set of environmental data, including carbon footprint and energy consumption data for each of the lifecycle phases on all of its products, in compliance with the ISO 14025 PEP ecopassport program. PEP is especially useful for monitoring, controlling, saving energy, and/or reducing carbon emissions.

### EoLI: End of Life Instructions

Available at the click of a button, these instructions provide:

- Recyclability rates for Schneider Electric products.
- Guidance to mitigate personnel hazards during the dismantling of products and before recycling operations.
- Parts identification for recycling or for selective treatment, to mitigate environmental hazards/ incompatibility with standard recycling processes.





# Product Selector

-Select Schneider products through digital tool

Product selector is an online software tool embedded in Schneider website or in distributor's website to help selecting the right product with its accessories. Product Selector aims at providing a fast, secure and smart way of selecting products. It includes the selection of the basic frame, control unit, accessories and Digital Modules. Compared with the traditional way of filling up order forms or specifying customer functions, it brings the following benefits:

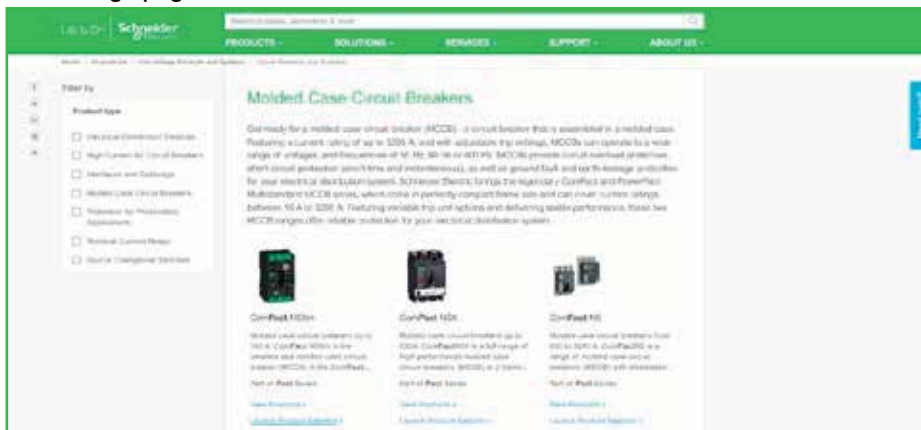
**Easy access:** no login, direct access on Schneider's website or on the website of distributor

**Reliable:** The compatibility between the main product and the accessories is constantly tested

**Wide coverage:** more than 130 Schneider ranges are available (MasterPact, ComPact, TeSys, Acti 9, Altivar...)

## Choose Products in simple steps:

1. Go to range page on se.com



2. Click on Launch Product Selector



# Future of Power Distribution



## MasterPact™ MTZ Circuit Breaker

**FUTURE READY**



### ...CONNECTIVITY READY

Stay connected and avoid downtime - The MasterPact MTZ app and EcoStruxure software conveniently bring energy data, circuit breaker control, and more directly to your smartphone.



### ...SUSTAINABILITY READY

Contribute to a better world - with Green Premium MasterPact MTZ circuit breakers you can enhance sustainability.



### ...PRECISION READY

Access new energy-saving capabilities - Acertified Class 1 power meter gives you precise power measurements for greater efficiency.



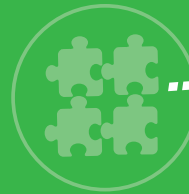
### ...ENVIRONMENT READY

Keep your electrical system online even in harsh environments - MasterPact MTZ circuit breakers give you proven reliability by going beyond standards.



### ...UPGRADE READY

Customize Micrologic X control unit anytime - Digital modules make it easy to upgrade and tailor your system.



### ...INTEGRATION READY

Simplify your switchboard operation - MasterPact MTZ circuit breakers are adaptable to different systems because of their digital capabilities.



### ...INSTALLATION READY

Streamline configuration and commissioning with EcoStruxure Power Commission tool.

Learn more about the future of power distribution, Click or Scan





The easy choice for quality and value

# EasyPact CVS

LV circuit breakers from 16A to 800A



Safe



Reliable



Simple



# EasyPact CVS

## Easy Choice for Quality and Value



- **EasyPact CVS** MCCBs upto 630A is the easy choice for all your most common electrical distribution applications
- Encapsulated double break roto technique ensures outstanding current limiting capability
- High electrical / mechanical endurance for enhanced service life
- Single accessory reference for different functions – on/off, trip and fault trip – improves shop floor efficiency
- Separate electrical fault indication for ease of fault diagnosis
- Suitable for isolation

### Range Details:

- Breaking capacity 25kA to 50kA,  $I_{cs} = 100\% I_{cu}$
- TMD, MA, Microprocessor trip units (LS<sub>0</sub>I protection 400 & 630A)
- Microprocessor trip units (LSIG protection 25A to 630A)
- 3P & 4P versions available
- Common accessories upto 630A

## With Thermal Magnetic Trip Unit (TMD)



- Range upto 100A
- 3P and 4P version available

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>EasyPact CVS 100 BS Overload Setting (I<sub>r</sub>) 0.8 - 1 x I<sub>n</sub></b>					
25kA*	20A	LV510931	6640	LV510951	9020
	25A	LV510932		LV510952	
	32A	LV510933		LV510953	
	40A	LV510934		LV510954	
	50A	LV510935		LV510955	
	63A	LV510936		LV510956	
	80A	LV510937		LV510957	
	100A	LV510938		LV510958	

## Accessories

Description	CVS100BS Reference	Unit MRP [₹]
<b>Auxiliary contacts (changeover) Multifunction</b>		
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	880
Alarm Switch 1 C/O	EZAUX01	880
Alarm - Auxiliary Switch	EZAUX11 <input checked="" type="checkbox"/>	1290
<b>Spreaders</b>		
Spreaders *(Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	350
Spreaders *(Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	470
<b>Rotary Handle</b>		
Direct Rotary handle	EZAROTDS <input checked="" type="checkbox"/>	1230
Extended Rotary handle	EZAROTE	1840
<b>Shunt Release</b>		
<b>AC</b>		
100-130 V	EZASHT100AC	1880
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>	
380-480 V	EZASHT380AC	
<b>DC</b>		
24 V	EZASHT024DC	1880
48 V	EZASHT048DC	

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

• Ics = 100% Icu as per IEC 60947-2

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>EasyPact CVS 100 to 630A Overload Setting (Ir) 0.7 - 1 x In</b>					
25kA	16A	LV510300 <input checked="" type="checkbox"/>	7070	LV510310	9830
	25A	LV510301 <input checked="" type="checkbox"/>		LV510311 <input checked="" type="checkbox"/>	
	32A	LV510302 <input checked="" type="checkbox"/>		LV510312 <input checked="" type="checkbox"/>	
	40A	LV510303 <input checked="" type="checkbox"/>		LV510313 <input checked="" type="checkbox"/>	
	50A	LV510304 <input checked="" type="checkbox"/>		LV510314	
	63A	LV510305 <input checked="" type="checkbox"/>		LV510315 <input checked="" type="checkbox"/>	
	80A	LV510306 <input checked="" type="checkbox"/>		LV510316 <input checked="" type="checkbox"/>	
	100A	LV510307 <input checked="" type="checkbox"/>	LV510317 <input checked="" type="checkbox"/>		
	125A	LV516302 <input checked="" type="checkbox"/>	10310	LV516312 <input checked="" type="checkbox"/>	12470
	160A	LV516303 <input checked="" type="checkbox"/>	13450	LV516313 <input checked="" type="checkbox"/>	15930
200A	LV525302 <input checked="" type="checkbox"/>	17810	LV525312	22000	
<b>Breaking Capacity as per IEC 60947-2</b>					
25kA	250A	LV525303 <input checked="" type="checkbox"/>	20740	LV525313	25200

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>EasyPact CVS 100 to 630A Overload Setting (Ir) 0.7 - 1 x In</b>					
36kA	16A	LV510330 <input checked="" type="checkbox"/>	9640	LV510340	11970
	25A	LV510331 <input checked="" type="checkbox"/>		LV510341	
	32A	LV510332 <input checked="" type="checkbox"/>		LV510342 <input checked="" type="checkbox"/>	
	40A	LV510333 <input checked="" type="checkbox"/>		LV510343 <input checked="" type="checkbox"/>	
	50A	LV510334 <input checked="" type="checkbox"/>		LV510344	
	63A	LV510335 <input checked="" type="checkbox"/>		LV510345 <input checked="" type="checkbox"/>	
	80A	LV510336 <input checked="" type="checkbox"/>		LV510346	
	100A	LV510337 <input checked="" type="checkbox"/>	LV510347 <input checked="" type="checkbox"/>		
	125A	LV516332 <input checked="" type="checkbox"/>	10600	LV516342	13060
	160A	LV516333 <input checked="" type="checkbox"/>	14030	LV516343	16590
200A	LV525332	20210	LV525342 <input checked="" type="checkbox"/>	24870	
<b>Breaking Capacity as per IEC 60947-2</b>					
36kA	250A	LV525333	22420	LV525343 <input checked="" type="checkbox"/>	27540
	320A	LV540305	28810	LV540308 <input checked="" type="checkbox"/>	35740
	400A	LV540306	28970	LV540309 <input checked="" type="checkbox"/>	36060
	500A	LV563305 <input checked="" type="checkbox"/>	32020	LV563308 <input checked="" type="checkbox"/>	40350
	630A**	LV563306 <input checked="" type="checkbox"/>	36280	LV563309 <input checked="" type="checkbox"/>	44290

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
50kA	16A	LV510470 <input checked="" type="checkbox"/>	12860	LV510480	15810
	25A	LV510471		LV510481	
	32A	LV510472 <input checked="" type="checkbox"/>		LV510482 <input checked="" type="checkbox"/>	
	40A	LV510473		LV510483	
	50A	LV510474		LV510484	
	63A	LV510475 <input checked="" type="checkbox"/>		LV510485 <input checked="" type="checkbox"/>	
	80A	LV510476 <input checked="" type="checkbox"/>		LV510486	
	100A	LV510477 <input checked="" type="checkbox"/>	LV510487 <input checked="" type="checkbox"/>		
	125A	LV516462 <input checked="" type="checkbox"/>	16560	LV516467	18120
	160A	LV516463 <input checked="" type="checkbox"/>	17920	LV516468	21340
200A	LV525452	23200	LV525457 <input checked="" type="checkbox"/>	29140	
<b>Breaking Capacity as per IEC 60947-2</b>					
50kA	250A	LV525453	24930	LV525458 <input checked="" type="checkbox"/>	30730
	320A	LV540315 <input checked="" type="checkbox"/>	30420	LV540318	37430
	400A	LV540316 <input checked="" type="checkbox"/>	30650	LV540319 <input checked="" type="checkbox"/>	38120
	500A	LV563315 <input checked="" type="checkbox"/>	35540	LV563318	44620
	630A**	LV563316 <input checked="" type="checkbox"/>	37900	LV563319 <input checked="" type="checkbox"/>	47490

**Note:**

- For performance and other details contact our nearest Sales Office.
- \*\*630A @ 30°C & 600A @ 40°C for TMD630A MCCB

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## EasyPact CVS 800A with Thermal Magnetic type trip unit.



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

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
35kA	800A	LV580300 <input checked="" type="checkbox"/>	56000	LV580301 <input checked="" type="checkbox"/>	60430
50kA	800A	LV580302 <input checked="" type="checkbox"/>	63620	LV580303 <input checked="" type="checkbox"/>	71900

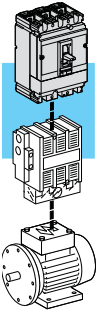
## EasyPact CVS 400 to 630A With Microprocessor Based Trip Unit



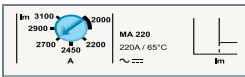
- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.4 to 1\*In
- Adjustable Short Circuit from 1.4 to 10\*Ir
- Adjustable Neutral Protection - N, N/2, OFF for 4 Pole MCCB
- Inbuilt Thermal Memory

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>EasyPact CVS 400 to 630A</b>					
36 kA	400A	LV540505 <input checked="" type="checkbox"/>	33960	LV540506 <input checked="" type="checkbox"/>	42310
	630A	LV563505 <input checked="" type="checkbox"/>	37320	LV563506 <input checked="" type="checkbox"/>	49530
50 kA	400A	LV540510 <input checked="" type="checkbox"/>	37270	LV540511 <input checked="" type="checkbox"/>	48250
	630A	LV563510 <input checked="" type="checkbox"/>	40580	LV563511 <input checked="" type="checkbox"/>	53080

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



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



Frame 1	2.5 to 220A
Frame 2	320 to 500A

## With Magnetic Trip Unit MA Type

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
50kA	2.5A	LV510450	8990
	6.3A	LV510451	
	12.5A	LV510452 <input checked="" type="checkbox"/>	9770
	25A	LV510453 <input checked="" type="checkbox"/>	13000
	50A	LV510454 <input checked="" type="checkbox"/>	13190
	100A	LV510455 <input checked="" type="checkbox"/>	13410
50kA	150A	LV516451 <input checked="" type="checkbox"/>	16970
	220A	LV525442 <input checked="" type="checkbox"/>	17900
	320A	LV540552 <input checked="" type="checkbox"/>	26810
	500A	LV563552	33180

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## EasyPact CVS with built in LSIG trip unit (ETS 6) key features.



- Rated Current, In (A) – 25, 40, 100, 160, 250, 400, 630
  - Breaking capacity (Icu=Ics) (kA) at 415V – 25\*, 36, 50
  - 3 Pole and 4 pole versions.
  - Built-in  $\mu$ P based trip unit having protection functions LSIG. Variable current setting for L,S,I and G and variable time delay setting for L,S and G.
  - Neutral O/L protection possible with 3P MCCB (with External Neutral CT) and 4P MCCB
  - Last Fault trip history on LCD screen of MCCB i.e Faulty phase, Type of Fault and interrupted current.
  - Same accessories of present ECVS range
- \* only upto 250A.

## With ETS 6 trip unit (built in LSIG protection)

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	25A	LV510600	27170	LV510610	31535
	40A	LV510608		LV510618	
	100A	LV510609		LV510619	
	160A	LV516600	31215	LV516610	38695
Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	250A	LV525600	36845	LV525610	45295
36kA	25A	LV510620	28315	LV510630	32875
	40A	LV510628		LV510638	
	100A	LV510629		LV510639	
	160A	LV516620	32350	LV516630	40125
Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
36kA	250A	LV525620	39005	LV525630	48035
	400A	LV540620	46590	LV540630	53965
	630A	LV563620	51000	LV563630	62200
50kA	25A	LV510640	30990	LV510650	36950
	40A	LV510648		LV510658	
	100A	LV510649		LV510659	
	160A	LV516640	37205	LV516650	44345
50kA	250A	LV525640	40865	LV525650	49470
	400A	LV540640	48900	LV540650	58370
	630A	LV563640	54135	LV563650	69895

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Easy-Pact CVS Switch Disconnecter Version



- Suitable for Isolation with positive contact indication as defined by standard IEC 60947-3.
- Compliance to utilization categories AC22A or AC23A
- Self protected due to high magnetic-set release
- Two frame sizes upto 630A
- Available in fixed version.
- Common Accessories as that of **EasyPact** CVS circuit breaker

Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
100A	LV510425	6520	LV510426	8250
160A	LV516425	7770	LV516426	9770
Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
250A	LV525425	16280	LV525426	21680
400A	LV540400	23870	LV540401	30380
630A	LV563400	27140	LV563401	36490

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

NORMAL STOCK ITEMS

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Indication contacts



Voltage Release



Padlocking accessory



Direct Rotary Handle



Extended Rotary Handle

## Accessories for EasyPact CVS 100 - 630A

### Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP [₹]
OF or SD or SDE or SDV	29450 ✓	880
OF or SD or SDE or SDV low level	29452	1045
SDE adapter for trip unit TM or MA or ETS 2.3 \$\$	LV429451 ✓	760

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

### Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>AC</b>				
24 V 50/60 Hz	LV429384 ✓	2450	LV429404	3165
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 ✓		LV429406 ✓	
220-240 V 50/60 Hz	LV429387 ✓		LV429407 ✓	
380-415 V 50 Hz	LV429388 ✓		LV429408 ✓	
525 V 50 Hz	LV429389		LV429409	
<b>DC</b>				
12 V	LV429382	2450	LV429402	3165
24 V	LV429390 ✓		LV429410 ✓	
30 V	LV429391		LV429411	
48 V	LV429392		LV429412	
60 V	LV429383		LV429403	
125 V	LV429393		LV429413	
250 V	LV429394		LV429414	

### Rotary Handles

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Direct rotary handle</b>				
Standard black handle	LV429337 ✓	1260	LV432597 ✓	1890
<b>Extended rotary handle</b>				
Standard extended rotary handle	LV429338 ✓	1770	LV432598 ✓	3140

### Installation Accessories

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Spreaders &amp; Phase Barriers</b>				
Spreaders (Set of 3) 3P	LV431563 ✓	625	32492 ✓	1410
Spreaders (Set of 4) 4P	LV431564 ✓	830	32493 ✓	1790
Phase Barriers (Set of 6)	*		LV432570 ✓	810
<b>Interlocking</b>				
For Breaker with Rotary Handle	LV429369	9350	LV432621	11770
For Breaker with Toggle	LV429354	10225	LV432614	11770
Mechanical Interlocking with Base Plate	29349**	20325	32609**	42805
<b>Locking of Rotary Handle</b>				
Locking Device	LV429344 ✓	595	LV432604 ✓	810
Ronis Keylock (1 Lock + 1 Key set)	41940 ✓	4090	41940 ✓	4090
Ronis Keylock (2 Locks + 1 Key set)	41950 ✓	7570	41950 ✓	7570
Profalux Keylock (1 Lock + 1 Key set)	42888	6900	42888	6900
Profalux Keylock (2 Locks + 1 Key set)	42878	7875	42878	7875

\* supplied as standard with spreaders

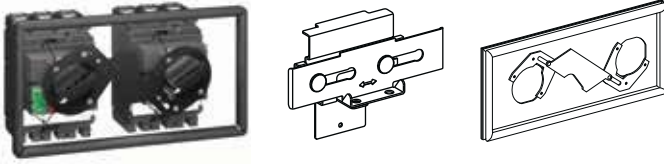
\*\* Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)

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

✓ NORMAL STOCK ITEMS

W.E.F. January 11, 2021





## Accessories for CVS 100 - 630A

### Manual Source change-over systems

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

Description	Reference	Unit MRP [₹]
<b>Mechanical interlocking for circuit breakers</b>		
With toggles 100A to 250A	LV429354	10225
With rotary handles 100A -250A	LV429369	9350
With toggles 400A to 630A	LV432614	11770
With rotary handles 400A to 630A	LV432621	11770

## Accessories for CVS 800A

### Auxiliary/Alarms contacts

Description	Reference	Unit MRP [₹]
Auxiliary Switch 1 C/O	LV580075	1335
Alarm Auxiliary switch 1 c/o	LV580079	1870

## Accessories for ETS 6 Trip unit

Description	CVS100/160/250 Reference number	Rating	Unit MRP [₹]	CVS400/630 Reference number	Rating	Unit MRP [₹]
External neutral CT for 3 pole breaker with ETS6	LV429521	25 - 100 A	10700	LV432575	400 - 630 A	15460
	LV430563	150 - 250 A	16670			
Description		CVS 100 to 630 Reference number		Unit MRP [₹]		
Pocket Battery For MCCB With ETS 6		LV434206		15550		
24 VDC Terminal Block For MCCB With ETS 6		LV434210		4070		

### Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>AC</b>				
220-240 V 50/60 Hz	LV580061	2540	LV580071	2700

### Rotary Handles

Description	800A Reference	Unit MRP [₹]
<b>Extended rotary handle</b>		
Standard extended rotary handle	LV580081 <input checked="" type="checkbox"/>	2225

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



## ComPact NSX & NSXm with Integrated Earth Leakage Protection



The ComPact NSX range is now complemented with a new type of MicroLogic trip unit including circuit protection, (overload, short circuit, neutral protection) and earth leakage protection



The ComPactNSXm range is now available with a new type of MicroLogic trip which offers overload, short circuit protection along with earth leakage protection

### Integrated earth leakage protection

- Easy to integrate into a row that does not have earth leakage protection
- Simple to use, reliable, and now comes in the same frame size, and for the same panel support
- Gain up to 40% in space when using with integrated earth leakage protection into the MicroLogicVigi trip units
- Now there's no need to order separate earth leakage modules. Save time, now that there's one less item to add to the panel board.
- Part of the EcoStruxure Power architecture, with digital communication capability and data management (settings, measurement, pre-alarms, trip & test history)

# ComPact NSXm circuit breakers: Optimized for your needs

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

## ComPact NSXm main features and innovations

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



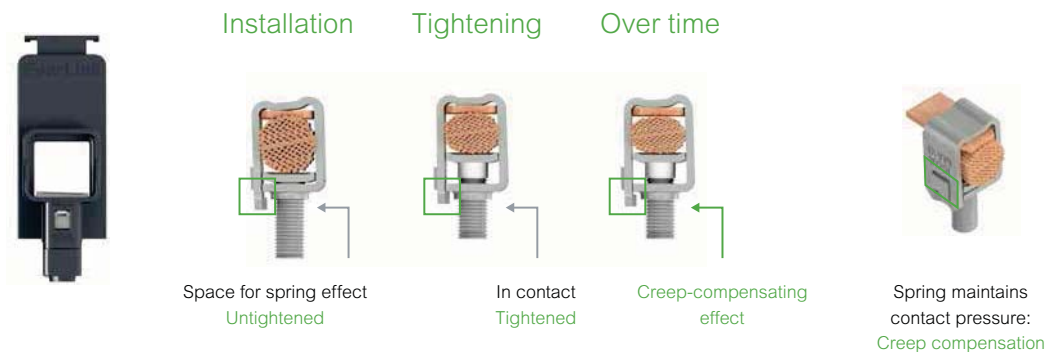
## EverLink™ patented technology

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

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



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



To experience,  
Click or Scan



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



- Ics = 100% Icu as per IEC 60947-2
- Adjustable thermal setting 0.7 – 1 x In
- Fixed magnetic settings
- Single frame size upto 160A
- 5 breaking capacities from 16kA to 70kA
- With compression lug connectors
- All the circuit breakers have a transparent lead-sealable cover

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP ₹	Four Pole Reference	Unit MRP ₹
16kA	16A	LV426150	7780	LV426160	11130
	25A	LV426151	7780	LV426161	11130
	32A	LV426152	7780	LV426162	11130
	40A	LV426153	7780	LV426163	11130
	50A	LV426154	7780	LV426164	11130
	63A	LV426155	7780	LV426165	11130
	80A	LV426156	7780	LV426166	11130
	100A	LV426157	7780	LV426167	11130
	125A	LV426158	13730	LV426168	16960
25kA	160A	LV426159	14970	LV426169	18560
	16A	LV426250	8470	LV426260	12240
	25A	LV426251	8470	LV426261	12240
	32A	LV426252	8470	LV426262	12240
	40A	LV426253	8470	LV426263	12240
	50A	LV426254	8470	LV426264	12240
	63A	LV426255	8470	LV426265	12240
	80A	LV426256	8470	LV426266	12240
	100A	LV426257	8470	LV426267	12240
36kA	125A	LV426258	14790	LV426268	18130
	160A	LV426259	17140	LV426269	21360
	16A	LV426350	10780	LV426360	13810
	25A	LV426351	10780	LV426361	13810
	32A	LV426352	10780	LV426362	13810
	40A	LV426353	10780	LV426363	13810
	50A	LV426354	10780	LV426364	13810
	63A	LV426355	10780	LV426365	13810
	80A	LV426356	10780	LV426366	13810
50kA	100A	LV426357	10780	LV426367	13810
	125A	LV426358	15910	LV426368	19770
	160A	LV426359	17600	LV426369	21880
	16A	LV426450	13660	LV426460	17090
	25A	LV426451	13660	LV426461	17090
	32A	LV426452	13660	LV426462	17090
	40A	LV426453	13660	LV426463	17090
	50A	LV426454	13660	LV426464	17090
	63A	LV426455	13660	LV426465	17090
70kA	80A	LV426456	13660	LV426466	17090
	100A	LV426457	13660	LV426467	17090
	125A	LV426458	19040	LV426468	22820
	160A	LV426459	20660	LV426469	25100
	16A	LV426550	16760	LV426560	21010
	25A	LV426551	16760	LV426561	21010
	32A	LV426552	16760	LV426562	21010
	40A	LV426553	16760	LV426563	21010
	50A	LV426554	16760	LV426564	21010
70kA	63A	LV426555	16760	LV426565	21010
	80A	LV426556	16760	LV426566	21010
	100A	LV426557	16760	LV426567	21010
	125A	LV426558	31240	LV426568	33370
	160A	LV426559	31860	LV426569	34040

Note: For Everlink type NSXm MCCBs add prices of LV426970 (3Pole) or LV426971(4Pole) -2 Sets in above MCCBs

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

☑ NORMAL STOCK ITEMS

W.E.F. January 11, 2021

With integrated earth leakage protection  
(MicroLogic Vigi 4.1 Trip Unit)

- Standard protection of distribution cables
- Earth leakage protection
- Indication of:
  - Overload alarming (via LEDs and via SDx module)
  - Overload tripping (via the SDx module)
- Earth leakage alarming (via the SDx module)
- Earth leakage tripping (via front face screen and the SDx module).

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
16kA	25A	LV426750	26310	LV426755	29380
	50A	LV426751		LV426756	
	100A	LV426752	LV426757	33340	
	160A	LV426753	LV426758		
25kA	25A	LV426760	27670	LV426765	30965
	50A	LV426761		LV426766	
	100A	LV426762	LV426767	35155	
	160A	LV426763	LV426768		
36kA	25A	LV426770	29150	LV426775	33460
	50A	LV426771		LV426776	
	100A	LV426772	LV426777	37770	
	160A	LV426773	LV426778		
50kA	25A	LV426780	31755	LV426785	36065
	50A	LV426781		LV426786	
	100A	LV426782	LV426787	38675	
	160A	LV426783	LV426788		
70kA	25A	LV426790	35155	LV426795	40375
	50A	LV426791		LV426796	
	100A	LV426792	LV426797	47975	
	160A	LV426793	LV426798		

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

NORMAL STOCK ITEMS

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- Suitability for isolation as defined by standard IEC 60947-3
- Self protected by their high-set magnetic release
- Single frame size upto 160A

## ComPact NSXm NA switch-disconnector

### With Compression Lug connectors

Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
50A	LV426650	9300	LV426660	13760
100A	LV426651	9300	LV426661	13760
160A	LV426652	19030	LV426662	25380

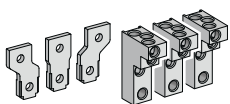
## ComPact NSXm NA switch-disconnector

### With EverLink™ connectors

Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
50A	LV426600	9785	LV426610	14485
100A	LV426601	9785	LV426611	14485
160A	LV426602	20035	LV426612	26730

## Accessories for ComPact NSXm

### 16A to 160A



Terminal spreaders



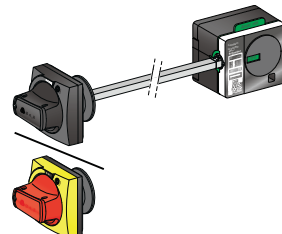
OF or SD auxiliary contact standard



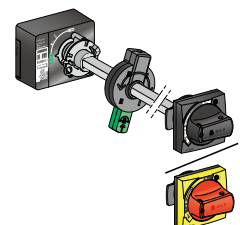
MN or MX voltage releases standard



Direct rotary handle



Side Rotary handle



Extended rotary handle

## NSXm Accessories

### Auxiliary contacts (changeover)

Description	Reference	Unit MRP [₹]
Standard OF or SD	LV426950	880

### Rotary Handles

Description	Reference	Unit MRP [₹]
<b>Direct rotary handle</b>		
Standard black handle	LV426930	1195
<b>Extended rotary handle</b>		
Standard extended rotary black handle	LV426932	1770
<b>Side rotary handle</b>		
Standard side rotary black handle	LV426935	3040

### Spreader Links

Description	Reference	Unit MRP [₹]
<b>Spreaders &amp; Phase Barriers</b>		
Spreaders (Set of 3) 3P	LV426940	650
Spreaders (Set of 4) 4P	LV426941	870

### Everlink Accessories

Description	Reference	Unit MRP [₹]
<b>Everlink Connectors</b>		
EverLink connector with control wire terminal for 3P (Set of 3)	LV426970	710
EverLink connector with control wire terminal for 4P (Set of 4)	LV426971	925

### Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Under Voltage Reference	Unit MRP [₹]
<b>AC</b>				
24 V 50/60 Hz	LV426841	2215	LV426801	2920
48 V 50/60 Hz	LV426842		LV426802	2880
110-130 V 50/60 Hz	LV426843	LV426803		
220-240 V 50/60 Hz	LV426844	2190	LV426804	
380-415 V 50 Hz	LV426846	2215	LV426806	
<b>DC</b>				
24 V	LV426841	2215	LV426801	2920
48 V	LV426842		LV426802	2880
125 V	LV426843	LV426803		
250 V	LV426844	2190	LV426815	

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

NORMAL STOCK ITEMS

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# MCCB for Motor Protection

## GV4LE



- IEC/EN 60947-1, IEC/EN 60947-2, CCC, EAC
- Can be used with class 5, 10 or 20 relay
- Short Circuit Protection with an adjustable pick-up  $I_i = 6$  to 14 In.
- From 0.25 - 55kW

### Magnetic Protection Toggle Control

Motor Power AC3 (400/415V AC)		In	Magnetic setting range	25kA breaking capacity		50kA breaking capacity		100kA breaking capacity	
kW	HP	(A)	A	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]
0.25..0.75	0.3..1	2	12..28	-	-	GV4LE02N6	-	GV4LE02S6	-
0.55..1.5	0.7..2	3.5	21..49	-	-	GV4LE03N6	-	GV4LE03S6	-
1.5..3	2..4	7	42..96	-	-	GV4LE07N6	-	GV4LE07S6	-
3..5.5	4..7.5	12.5	75..175	-	-	GV4LE12N6	-	GV4LE12S6	-
5.5..11	7.5..14	25	150..350	GV4LE25B6	On Request	GV4LE25N6	13500	GV4LE25S6	16500
11..22	15..30	50	300..700	GV4LE50B6		GV4LE50N6		GV4LE50S6	
18.5..37	25..50	80	480..1120	GV4LE80B6		GV4LE80N6		GV4LE80S6	
30..55	40..75	115	690..1610	GV4LE115B6		GV4LE115N6		GV4LE115S6	

**Note:** For Everlink termination please order after removing the 6 at the end Eg. GV4LE115N

## GV4PE



- IEC/EN 60947-1, IEC/EN 60947-2, IEC/EN 60947-4-1, UL 60497-4-1, CCC, EAC, CSA
- Overload or thermal protection
- Short time delay protection
- Short circuit protection
- Fixed Ground fault protection
- Phase unbalance or phase loss
- Front indications through LED
- Variable Trip class : Trip Class 10/ Trip Class 20

### Thermal Magnetic Protection Toggle Control

Motor Power AC3 (400/415V AC)		In	Thermal setting range	25kA breaking capacity		50kA breaking Capacity		100kA breaking Capacity	
kW	HP	(A)	A	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]
0.25..0.75	0.3..1	2	0.8..2	-	-	GV4PE02N6	-	GV4PE02S6	-
0.55..1.5	0.7..2	3.5	1.4..3.5	-	-	GV4PE03N6	-	GV4PE03S6	-
1.5..3	2..4	7	2.9..7	-	-	GV4PE07N6	-	GV4PE07S6	-
3..5.5	4..7.5	12.5	5..12.5	-	-	GV4PE12N6	-	GV4PE12S6	-
5.5..11	7.5..14	25	10..25	GV4PE25B6	On Request	GV4PE25N6	17500	GV4PE25S6	18500
11..22	15..30	50	20..50	GV4PE50B6		GV4PE50N6		GV4PE50S6	
18.5..37	25..50	80	40..80	GV4PE80B6		GV4PE80N6		GV4PE80S6	
30..55	40..75	115	65..115	GV4PE115B6		GV4PE115N6		GV4PE115S6	

**Note:** For Everlink version please order after removing the 6 at the end. Eg. GV4PE115N

### Crimp Lug/busbar connection

Description	Sold in lots of	Reference
Crimped lug connector + screws	1	GV4LUG
Transparent terminal shield for crimped lug connector	1	LAD96590
Interphase barriers	6	LV426920
Spreader 3-pole	To increase the pitch to 35 min	1
		LV426940

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# Accessories for GV4



## MX Shunt Trip

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

## MN Under Voltage Release

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

Description	Mounting	Voltage	References	Unit MRP [₹]
Mx Shunt Trip	Internal, Plug-In	220-240 VAC 50 Hz, 208-240 VAC 60 Hz, 277 VAC 60 Hz	GV4AS287	2620
Mn Under Voltage Release	Internal, Plug-In	440-480 VAC 60 Hz	GV4AU486	3425

# Auxiliary Contact Blocks



An auxiliary contact block provides one changeover contact with one common point for OF and SD function, depending on where it is inserted

Open/Close OF Function: indicates position of the circuit breaker contacts

Trip Alarm SD Function: indicates circuit breaker tripping due to:

- Electrical fault (overload, short circuit)
- Shunt trip/Undervoltage release
- "Push to Trip" Function

Resets when the circuit breaker is reset

Description	Maximum Number	Mounting	Type of Contacts	Reference	Unit MRP [₹]
Auxiliary Contact Block	2 (1 Each For Of Or Sd)	Internal Plug-In	NO+NC	GV4AE11	920

## Rotary Handles

Description	Type	Degree of Protection	Reference	Unit MRP [₹]
Direct Mounting Rotary Handle	Black	IP40	GV4ADN01	1375
	Black	IP54	GV4APN01	2040
Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm)	Red Handle on Yellow Bezel	IP54	GV4APN02	
	Red Handle on Yellow Bezel	IP65	GV4APN04	

## Connection Accessories

Description	Reference
Spreader 3-pole (To increase pitch to 35mm) (1 pce)	LV426940

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

Ethernet Ready Next Generation Circuit Breakers

# ComPact NSX

LV circuit breakers from 16A to 630A



Energy  
measurement  
and control



Increased  
energy  
availability



Safety and  
protection

## Ethernet ready Next-generation circuit breakers



- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for precise measurement
- Intelligent / Enhanced discrimination for continuity of service
- Patented reflex tripping, independent of other protection functions, ensures ultra fast tripping in the event of very high short circuit
- Encapsulated roto-active double break contact system limits fault current for extended system life
- Best in class electrical life (*30k cycles for NSX 100 @ 440 V*) reduces operational expenditure
- High performance =>  $I_{cs} = I_{cu} = 100\text{kA @ } 690\text{V AC}$

### Range Details:

- 16A to 630A in two frames sizes
- Breaking capacity up to 200kA @ 415V
- TMD and Electronic based trip unit
- Available in Fixed, Plug-in and Draw out type versions



# Type of Trip Units

## Micrologic Trip Units

(ASIC-Application Specific Integrated Circuit)

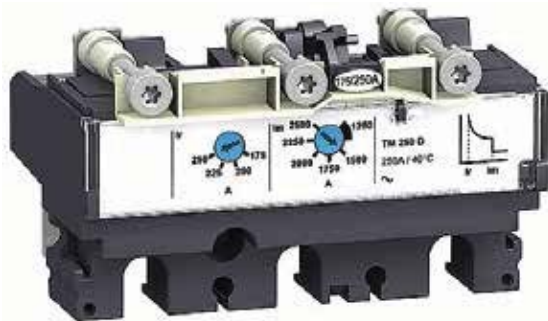


Protection	Cases	Measurement	Application
1 I 2 LS <sub>0</sub> I 5 LSI 6 LSIG	2 NSX100-250 3 NSX400-630	A Ammeter E Energy Meter	--- Distribution G Generator AB Subscriber M Motor Z 16Hz 2/3

### Example

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

## Thermal Magnetic Trip Unit



- Available from 16A - 250A
- Overload Setting (I<sub>r</sub>) 0.7 - 1 x I<sub>n</sub>
- Short Circuit Setting (I<sub>m</sub>)
- Fixed upto 160A
- Adjustable 5 - 10 x I<sub>r</sub> (for 200A - 250A)

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

# ComPact NSX PV for Photovoltaic applications

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



Ensuring safe and efficient operation of your Photovoltaic installation.



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

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



# PowerPact

## Multistandard offer for OEM applications

Be compliant around the world

Range - 16A to 600A in Two frames sizes



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

### Trust US...

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



## With Thermal Magnetic Trip Unit (TMD)



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

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	16A	LV429557	10010	LV429567	14390
	25A	LV429556 ✓	10010	LV429566	14390
	32A	LV429555 ✓	10010	LV429565	14390
	40A	LV429554 ✓	10010	LV429564	14390
	50A	LV429553	10010	LV429563	14390
	63A	LV429552 ✓	10010	LV429562 ✓	14390
	80A	LV429551 ✓	10010	LV429561	14390
	100A	LV429550 ✓	10010	LV429560 ✓	14390
	125A	LV430311 ✓	17640	LV430321 ✓	21730
	160A	LV430310 ✓	18880	LV430320 ✓	23680
	200A	LV431111	27360	LV431121 ✓	32910
250A	LV431110 ✓	27880	LV431120 ✓	33560	
36kA	16A	LV429637 ✓	12200	LV429647	15450
	25A	LV429636 ✓	12200	LV429646	15450
	32A	LV429635 ✓	12200	LV429645 ✓	15450
	40A	LV429634 ✓	12200	LV429644	15450
	50A	LV429633	12200	LV429643	15450
	63A	LV429632 ✓	12200	LV429642 ✓	15450
	80A	LV429631 ✓	12200	LV429641	15450
	100A	LV429630 ✓	12200	LV429640 ✓	15450
	125A	LV430631 ✓	18230	LV430641 ✓	22710
	160A	LV430630 ✓	19140	LV430640 ✓	24490
	200A	LV431631 ✓	27710	LV431641 ✓	34160
250A	LV431630 ✓	28510	LV431640 ✓	35530	
50kA	16A	LV429847	14510	LV429857	18200
	25A	LV429846	14510	LV429856	18200
	32A	LV429845 ✓	14510	LV429855	18200
	40A	LV429844 ✓	14510	LV429854	18200
	50A	LV429843	14510	LV429853	18200
	63A	LV429842 ✓	14510	LV429852	18200
	80A	LV429841 ✓	14510	LV429851	18200
	100A	LV429840 ✓	14510	LV429850	18200
	125A	LV430841 ✓	21930	LV430851	25210
	160A	LV430840 ✓	22390	LV430850	26470
	200A	LV431831 ✓	29870	LV431841	36490
250A	LV431830 ✓	30430	LV431840	38710	
70kA	16A	LV429677	18550	LV429687	23920
	25A	LV429676	18550	LV429686	23920
	32A	LV429675	18550	LV429685	23920
	40A	LV429674	18550	LV429684	23920
	50A	LV429673	18550	LV429683	23920
	63A	LV429672 ✓	18550	LV429682	23920
	80A	LV429671	18550	LV429681	23920
	100A	LV429670 ✓	18550	LV429680	23920
	125A	LV430671	34530	LV430681	36700
	160A	LV430670 ✓	34900	LV430680	37430
	200A	LV431671	39670	LV431681	51540
250A	LV431670 ✓	40050	LV431680	52050	

**Note:**

- \*\* applicable for NSX 200A & 250A
- For higher breaking capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales office.

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

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## With Micrologic 2 (µP -ASIC based)



- Protection type LS01N
- Ics = 100% Icu as per IEC 60947-2
- Adjustable overload from 0.40 - 1 x In
- Adjustable short circuit from 1.5 - 10 x Ir
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Two frame sizes up to 630A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV429777 <input checked="" type="checkbox"/>	17660	LV429787	22730
	100A	LV429775 <input checked="" type="checkbox"/>	17660	LV429785 <input checked="" type="checkbox"/>	22730
	160A	LV430745 <input checked="" type="checkbox"/>	22560	LV430750 <input checked="" type="checkbox"/>	28770
	250A	LV431140 <input checked="" type="checkbox"/>	29650	LV431150 <input checked="" type="checkbox"/>	38030
36kA	40A	LV429772	17950	LV429782	22830
	100A	LV429770 <input checked="" type="checkbox"/>	17950	LV429780 <input checked="" type="checkbox"/>	22830
	160A	LV430770 <input checked="" type="checkbox"/>	22960	LV430780 <input checked="" type="checkbox"/>	31740
	250A	LV431770 <input checked="" type="checkbox"/>	31040	LV431780 <input checked="" type="checkbox"/>	43020
	400A	LV432676 <input checked="" type="checkbox"/>	43040	LV432677 <input checked="" type="checkbox"/>	49130
	630A	LV432876 <input checked="" type="checkbox"/>	45500	LV432877 <input checked="" type="checkbox"/>	58980
50kA	40A	LV429797	21540	LV429807	29150
	100A	LV429795 <input checked="" type="checkbox"/>	21540	LV429805 <input checked="" type="checkbox"/>	30010
	160A	LV430775 <input checked="" type="checkbox"/>	27300	LV430785	35510
	250A	LV431870 <input checked="" type="checkbox"/>	35450	LV431875 <input checked="" type="checkbox"/>	46080
	400A	LV432693 <input checked="" type="checkbox"/>	44990	LV432694 <input checked="" type="checkbox"/>	58430
	630A	LV432893 <input checked="" type="checkbox"/>	46630	LV432894 <input checked="" type="checkbox"/>	61780
70kA	40A	LV429792	27200	LV429802	34450
	100A	LV429790	27610	LV429800	34450
	160A	LV430790	36470	LV430800	46550
	250A	LV431790	40970	LV431800	59120
	400A	LV432695 <input checked="" type="checkbox"/>	51190	LV432696	67220
	630A	LV432895 <input checked="" type="checkbox"/>	52460	LV432896	81600

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

## With Micrologic 2 (µP -ASIC based) / TMD / MA+ shunt +GFP

- Protection type LS01GN
- Ics = 100% Icu as per IEC 60947-2
- Fault indication for GF (LED type) meant for human safety
- Adjustable overload from 0.36 - 1 x In
- Adjustable short circuit from 1.5 - 10 x Ir
- Adjustable earth fault sensitivity selection 10 to 60%
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Two frame sizes up to 630A
- Suitable for 3P3W & 3P4W electrical distribution network
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

MCCB Frame	Relay Module rated current	3 Ph + 3W Reference	Unit MRP [₹]	3 Ph + 4W Reference	Unit MRP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P <input checked="" type="checkbox"/>	5760	GFP11CT14P <input checked="" type="checkbox"/>	6310
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	6540	GFP12CT24P <input checked="" type="checkbox"/>	7390
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	9890	GFP13CT34P <input checked="" type="checkbox"/>	10800

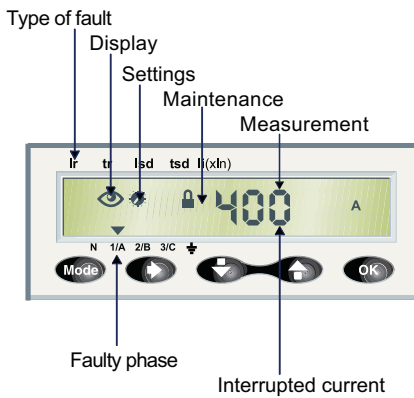
**Note:** Kindly order NSX/CVS MCCB +GFP+. Shunt trip coil.

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

NORMAL STOCK ITEMS

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



- Protection type LSIGN
- Ics = 100% Icu as per IEC 60947-2
- Current measurements (Phase & neutral, Average, Highest of phases, Ground fault current, Maximeter / Minimeter, Current unbalance between phases)
- Adjustable overload from Ir 0.36 to 1 x In and tr = 0.5 - 16 s
- Adjustable short circuit from I<sub>sd</sub> 1.5 - 10 x Ir and tsd I<sub>2t</sub>ON/OFF 0.1 - 0.4s
- Adjustable earth fault 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I<sub>2t</sub>ON/OFF 0.1 - 0.4s
- Instantaneous protection li 1.5 x In - 15 x In (40 - 160A), 12 x In (250 - 400A) and 11 x In (630A)
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)
- Zone Selective Interlocking (ZSI) as standard
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price
- Adjustable neutral protection - N, N/2, OFF and oversized neutral (standard feature) for 4 Pole MCCB.

Breaking Capacity I <sub>cu</sub> as per IEC 60947-2"	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	100A	LV429014X62A100	39390	LV429015X62A100	44090
	160A	LV430390X62A160	41660	LV430395X62A160	50100
	250A	LV431390X62A250	47700	LV431395X62A250	57140
36kA	40A	LV429003X62A40	39580	LV429008X62A40	44940
	100A	LV429003X62A100	39580	LV429008X62A100	44940
	160A	LV430403X62A160	43050	LV430408X62A160	51700
	250A	LV431403X62A250	48270	LV431408X62A250	59880
	400A	LV432413X63A400	56720	LV432415X63A400	64530
50kA	630A	LV432813X63A630	65170	LV432815X63A630	76710
	40A	LV429006X62A40	42220	LV429011X62A40	48390
	100A	LV429006X62A100	42220	LV429011X62A100	48390
	160A	LV430406X62A160	48870	LV430411X62A160	52850
	250A	LV431406X62A250	52220	LV431411X62A250	61300
70kA	400A	LV432403X63A400	58290	LV432408X63A400	71290
	630A	LV432803X63A630	65410	LV432808X63A630	81620
	40A	LV429004X62A40	47210	LV429009X62A40	54180
	100A	LV429004X62A100	47210	LV429009X62A100	54180
	160A	LV430404X62A160	57880	LV430409X62A160	64510
	250A	LV431404X62A250	59040	LV431409X62A250	88140
	400A	LV432404X63A400	73950	LV432409X63A400	92400
	630A	LV432804X63A630	76210	LV432809X63A630	101310

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

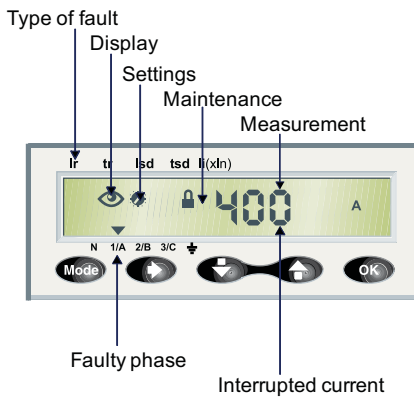
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## Micrologic 6 E (Embedded Energy metering and communication capable)



- Features over and above Micrologic 6A.
- Current Measurements (Phase & neutral, Average, Highest of Phases, Ground Fault current, Maximeter/Minimeter, Current Unbalance between Phases)
- Voltage Measurements (Phase-Phase & Phase-neutral, Average, Ph-Ph & Ph-N voltage unbalance)
- Frequency Measurements
- Power Quality Indicator (Total Harmonic Distortion for Current and Voltage)
- Power Measurements (Active, Reactive and Apparent Power, total and per phase and Power Factor and cos (phi))
- Demand Currents and Power Measurements (Demand Values, total & per phase, Maximum Demand)
- Energy Metering (Active, Reactive and Apparent energy, total and per phase)
- Indications, Alarms and Histories (Indication of fault types, Alarms for high/low threshold, operating histories & time stamped tables)
- Maintenance Indicators (Operation, trip and alarm counters; Operating Hours Counter; Contact wear: Load profile and thermal image)



Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV429014X62E40	On request	LV429015X62E40	On request
	100A	LV429014X62E100		LV429015X62E100	
	160A	LV430390X62E160		LV430395X62E160	
	250A	LV431390X62E250		LV431395X62E250	
36kA	40A	LV429003X62E40		LV429008X62E40	
	100A	LV429003X62E100		LV429008X62E100	
	160A	LV430403X62E160		LV430408X62E160	
	250A	LV431403X62E250		LV431408X62E250	
	400A	LV432413X63E400		LV432415X63E400	
50kA	630A	LV432813X63E630		LV432815X63E630	
	40A	LV429006X62E40		LV429011X62E40	
	100A	LV429006X62E100		LV429011X62E100	
	160A	LV430406X62E160		LV430411X62E160	
	250A	LV431406X62E250		LV431411X62E250	
70kA	400A	LV432403X63E400		LV432408X63E400	
	630A	LV432803X63E630		LV432808X63E630	
	40A	LV429004X62E40	LV429009X62E40		
	100A	LV429004X62E100	LV429009X62E100		
	160A	LV430404X62E160	LV430409X62E160		
	250A	LV431404X62E250	LV431409X62E250		
	400A	LV432404X63E400	LV432409X63E400		
	630A	LV432804X63E630	LV432809X63E630		

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

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## With Magnetic Trip Unit MA type



- Ics = 100% Icu as per IEC 60947-2
- Adjustable magnetic setting Im 6 -14 x In (2.5 - 100A) & 9 - 14 x In (150 - 200A)
- Type - 2 Co-ordination charts upto 110 kW at 400V
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	150A	LV430830	18930
	220A	LV431748	31050
50kA	150A	LV430832	23100
	220A	LV431752	34070
70kA	150A	LV430834	34660
	220A	LV431756	53760

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

NORMAL STOCK ITEMS

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## With Micrologic 4 Vigi



- Standard protection for electrical distribution-overload, short circuit & neutral protection
- Earth leakage protection-Adjustable leakage threshold (I $\Delta$ n) and adjustable time delay threshold
  - Sensitivity I $\Delta$ n (A)
    - Type A: 30mA - 100mA - 300mA - 500mA - 1A - 3A - 5A (for the ratings 40 to 250A)
    - Type B: 300mA - 500mA - 1A - 3A - 5A - 10A (for the ratings 400 to 570A)
- Alarming & Fault Indication

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV433810	30990	LV433818	34755
	100A	LV433811	30990	LV433819	34755
	160A	LV433813	32815	LV433821	39540
	250A	LV433816	37600	LV433824	45010
36kA	40A	LV433826	30990	LV433834	35665
	100A	LV433827	30990	LV433835	35665
	160A	LV433829	33845	LV433837	40225
	250A	LV433832	37945	LV433840	46485
	400A	LV433934	52635	LV433936	59245
50kA	570A	LV433935	60385	LV433937	70410
	40A	LV433842	33845	LV433850	38400
	100A	LV433843	33845	LV433851	38400
	160A	LV433845	38400	LV433853	41015
	250A	LV433848	40905	LV433856	47625
	400A	LV433938	54005	LV433940	65395
70kA	570A	LV433939	60610	LV433941	74965
	40A	LV433858	37370	LV433866	42960
	100A	LV433859	37370	LV433867	42960
	160A	LV433861	45920	LV433869	51040
	250A	LV433864	46830	LV433872	71210
	400A	LV433942	69270	LV433944	86475
	570A	LV433943	71320	LV433945	94790

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

NORMAL STOCK ITEMS

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Indication contacts



SDTAM remote indication relay module



SDx remote indication relay module



Voltage Release



Motor Mechanism

Description	Reference	Unit MRP [₹]
<b>Auxiliary contacts (changeover) Multifunction</b>		
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	880
OF or SD or SDE or SDV low level	29452	1045
SDE adaptor for trip unit TM or MA or Micrologic 2 \$\$	LV429451 <input checked="" type="checkbox"/>	760
<b>SDX 2-PROGRAMMABLE CONTACTS FOR MICROLOGIC</b>		
SDx module 24/415 V AC/DC	LV429532	11990
<b>SDTAM contactor tripping module for Micrologic 2- M/6 E-M</b>		
SDTAM 24/415 V AC/DC overload fault indication	LV429424	12430

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

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>AC</b>				
24 V 50/60 Hz	LV429384	2450	LV429404	3165
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 <input checked="" type="checkbox"/>		LV429406 <input checked="" type="checkbox"/>	
220-240 V 50/60 Hz	LV429387 <input checked="" type="checkbox"/>		LV429407 <input checked="" type="checkbox"/>	
380-415 V 50 Hz	LV429388 <input checked="" type="checkbox"/>		LV429408 <input checked="" type="checkbox"/>	
525 V 50 Hz	LV429389		LV429409	
<b>DC</b>				
12 V	LV429382	2450	LV429402	3165
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 [₹]
<b>Spreaders &amp; Phase Barrier</b>				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	625	32492 <input checked="" type="checkbox"/>	1410
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	830	32493 <input checked="" type="checkbox"/>	1790
Phase Barrier (Set of 6)	*	-	LV432570 <input checked="" type="checkbox"/>	810
<b>Interlocking</b>				
For Breaker with Rotary Handle	LV429369	9350	LV432621	11770
For Breaker with Toggle	LV429354	10225	LV432614	11770
Mechanical Interlocking with Base Plate	29349**	20325	32609**	42805
<b>Locking of Rotary Handle</b>				
Locking Device	LV429344 <input checked="" type="checkbox"/>	595	LV432604 <input checked="" type="checkbox"/>	810
Ronis Keylock (1 Lock + 1 Key set)	41940 <input checked="" type="checkbox"/>	4090	41940 <input checked="" type="checkbox"/>	4090
Ronis Keylock (2 Locks + 1 Key set)	41950 <input checked="" type="checkbox"/>	7570	41950 <input checked="" type="checkbox"/>	7570
Profalux Keylock (1 Lock + 1 Key set)	42888	6900	42888	6900
Profalux Keylock (2 Locks + 1 Key set)	42878	7875	42878	7875

\* supplied as standard with spreader

\*\* Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



FDM121: Front Display Module



Test Battery



Power Supply Module B



SCM: Breaker Status and Control Module

## Motor Mechanism

Type	Voltage	100/160A Reference	Unit MRP [₹]	250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Motor Mechanism Modules with SDE Adaptor <sup>(1)</sup></b>							
AC 50/60 Hz	48-60 V	LV429440	22080	LV431548	24400	LV432639	35460
	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	30355	LV431543	32915	LV432643	43500
	48-60 V	LV429437		LV431544		LV432644	
	110-130 V	LV429438		LV431545		LV432645	
	250 V	LV429439		LV431546		LV432646	

(1) With every Motor Mechanism, please order 1 no. auxiliary contact additionally. For other voltages of motor mechanism please consult Customer Care.

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Locking of Motor Mechanism</b>				
Keylock adaptor + Ronis keylock (special)	LV429449	3055	-	-
Locking Device	-	-	LV432649	935
Ronis Keylock	-	-	41940 <input checked="" type="checkbox"/>	4090
Profalux Keylock	-	-	42888	6900
Torque Limiting Screws (Set of 12)	LV429513	2160	LV432513	2540

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

### Monitoring and Control (Remote Operation)

Description	Reference	Unit MRP [₹]
<b>ULP Display Module</b>		
Switchboard front display module FDM121	TRV00121 <input checked="" type="checkbox"/>	12550
<b>ULP Wiring Accessories</b>		
NSX cord L = 0.35 m	LV434200	2895
NSX cord L = 1.3 m	LV434201	2920
5 RJ45/RJ45 MALE Cord L = 1m	TRV00810	2740
10 Stacking connectors for COM interface	TRV00217	4270
<b>ULP Communication Module</b>		
IFM MODBUS Interface Module	LV434000	10770
BSCM ( Breaker Status and Control Module)	LV434205 <input checked="" type="checkbox"/>	9180
<b>Power Supply Modules</b>		
<b>External power supply module 24 V DC-1 A OVC IV</b>		
200-240 V AC	LV454444 <input checked="" type="checkbox"/>	16720
Pocket battery for Micrologic NSX100-630	LV434206	18255

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

ULP = Universal Logic Plug

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



Direct Rotary Handle



Extended Rotary Handle



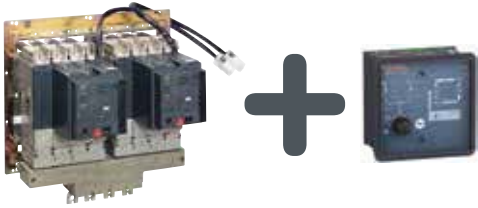
Plug in Base



Draw-Out Chassis Kit

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Rotary Handles</b>				
Standard direct black handle	LV429337 <input checked="" type="checkbox"/>	1260	LV432597 <input checked="" type="checkbox"/>	1890
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1770	LV432598 <input checked="" type="checkbox"/>	3140
<b>Plug in Base (Complete Kit)</b>				
3 Pole	LV429289 <input checked="" type="checkbox"/>	8940	LV432538 <input checked="" type="checkbox"/>	20510
4 Pole	LV429290 <input checked="" type="checkbox"/>	11570	LV432539 <input checked="" type="checkbox"/>	25560
<b>Draw-Out Chassis Kit</b>				
3 Pole				
Plug In base	LV429289 <input checked="" type="checkbox"/>	8940	LV432538 <input checked="" type="checkbox"/>	20510
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	11945	LV432532 <input checked="" type="checkbox"/>	15130
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	6330	LV432533 <input checked="" type="checkbox"/>	8815
4 Pole				
Plug In base	LV429290 <input checked="" type="checkbox"/>	11570	LV432539 <input checked="" type="checkbox"/>	25560
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	11945	LV432532 <input checked="" type="checkbox"/>	15130
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	6330	LV432533 <input checked="" type="checkbox"/>	8815
<b>Plug In / Withdrawable version Accessories</b>				
<b>Automatic Auxilliary Connectors</b>				
1 9-wire fixed connector (for base)	LV429273	1250	LV429273	1250
1 9-wire moving connector (for circuit breaker)	LV429274	875	LV432523 <input checked="" type="checkbox"/>	935
1 support for 2 moving connectors	LV429275	670	LV432525 <input checked="" type="checkbox"/>	670
<b>Manual Auxilliary Connectors</b>				
9-wire manual auxiliary connector (fixed + moving)	LV429272	4280	LV429272	4280

**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	On request	LV4A3F100100U4	On request
NSX160F	NSX100F	LV4A3F160100B4		LV4A3F160100U4	
NSX160F	NSX160F	LV4A3F160160B4		LV4A3F160160U4	
NSX250F	NSX100F	LV4A3F250100B4		LV4A3F250100U4	
NSX250F	NSX160F	LV4A3F250160B4		LV4A3F250160U4	
NSX250F	NSX250F	LV4A3F250250B4		LV4A3F250250U4	
NSX400F	NSX100F	LV4A3F400100B4*		LV4A3F400100U4*	
NSX400F	NSX160F	LV4A3F400160B4*		LV4A3F400160U4*	
NSX400F	NSX250F	LV4A3F400250B4*		LV4A3F400250U4*	
NSX400F	NSX400F	LV4A3F400400B4		LV4A3F400400U4	
NSX630F	NSX160F	LV4A3F630160B4*		LV4A3F630160U4*	
NSX630F	NSX250F	LV4A3F630250B4*		LV4A3F630250U4*	
NSX630F	NSX400F	LV4A3F630400B4		LV4A3F630400U4	
NSX630F	NSX630F	LV4A3F630630B4		LV4A3F630630U4	

## 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	On request	LV4A4F100100U4	On request
NSX160F	NSX100F	LV4A4F160100B4		LV4A4F160100U4	
NSX160F	NSX160F	LV4A4F160160B4		LV4A4F160160U4	
NSX250F	NSX100F	LV4A4F250100B4		LV4A4F250100U4	
NSX250F	NSX160F	LV4A4F250160B4		LV4A4F250160U4	
NSX250F	NSX250F	LV4A4F250250B4		LV4A4F250250U4	
NSX400F	NSX100F	LV4A4F400100B4*		LV4A4F400100U4*	
NSX400F	NSX160F	LV4A4F400160B4*		LV4A4F400160U4*	
NSX400F	NSX250F	LV4A4F400250B4*		LV4A4F400250U4*	
NSX400F	NSX400F	LV4A4F400400B4		LV4A4F400400U4	
NSX630F	NSX160F	LV4A4F630160B4*		LV4A4F630160U4*	
NSX630F	NSX250F	LV4A4F630250B4*		LV4A4F630250U4*	
NSX630F	NSX400F	LV4A4F630400B4		LV4A4F630400U4	
NSX630F	NSX630F	LV4A4F630630B4		LV4A4F630630U4	

\* Downstream coupling accessories are not available.

### Note:

Each reference consists of:

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

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

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

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

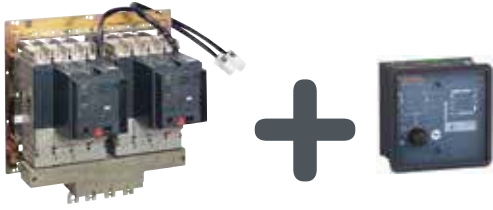
UA controller with 220/240V AC is not available

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



### 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	On request	LV4A3N100100U4	On request
NSX160N	NSX100N	LV4A3N160100B4		LV4A3N160100U4	
NSX160N	NSX160N	LV4A3N160160B4		LV4A3N160160U4	
NSX250N	NSX100N	LV4A3N250100B4		LV4A3N250100U4	
NSX250N	NSX160N	LV4A3N250160B4		LV4A3N250160U4	
NSX250N	NSX250N	LV4A3N250250B4		LV4A3N250250U4	
NSX400N	NSX100N	LV4A3N400100B4*		LV4A3N400100U4*	
NSX400N	NSX160N	LV4A3N400160B4*		LV4A3N400160U4*	
NSX400N	NSX250N	LV4A3N400250B4*		LV4A3N400250U4*	
NSX400N	NSX400N	LV4A3N400400B4		LV4A3N400400U4	
NSX630N	NSX160N	LV4A3N630160B4*		LV4A3N630160U4*	
NSX630N	NSX250N	LV4A3N630250B4*		LV4A3N630250U4*	
NSX630N	NSX400N	LV4A3N630400B4		LV4A3N630400U4	
NSX630N	NSX630N	LV4A3N630630B4		LV4A3N630630U4	

## 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	On request	LV4A4N100100U4	On request
NSX160N	NSX100N	LV4A4N160100B4		LV4A4N160100U4	
NSX160N	NSX160N	LV4A4N160160B4		LV4A4N160160U4	
NSX250N	NSX100N	LV4A4N250100B4		LV4A4N250100U4	
NSX250N	NSX160N	LV4A4N250160B4		LV4A4N250160U4	
NSX250N	NSX250N	LV4A4N250250B4		LV4A4N250250U4	
NSX400N	NSX100N	LV4A4N400100B4*		LV4A4N400100U4*	
NSX400N	NSX160N	LV4A4N400160B4*		LV4A4N400160U4*	
NSX400N	NSX250N	LV4A4N400250B4*		LV4A4N400250U4*	
NSX400N	NSX400N	LV4A4N400400B4		LV4A4N400400U4	
NSX630N	NSX160N	LV4A4N630160B4*		LV4A4N630160U4*	
NSX630N	NSX250N	LV4A4N630250B4*		LV4A4N630250U4*	
NSX630N	NSX400N	LV4A4N630400B4		LV4A4N630400U4	
NSX630N	NSX630N	LV4A4N630630B4		LV4A4N630630U4	

\* Downstream coupling accessories are not available.

### Note:

Each reference consists of:

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

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

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

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

UA controller with 220/240V AC is not available

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# ComPact NS

## Simply A Step Ahead

### Circuit breakers and switch-disconnectors from 800 to 3200A

- Category B MCCBs
- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for improved energy efficiency Total Discrimination



**2** sizes:

from 800 to 3200A



ComPact NS800A to 1600



ComPact NS1600b to 3200



Micrologic without Display

Micrologic A

Micrologic E

Micrologic P

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

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

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

☑ NORMAL STOCK ITEMS

W.E.F. January 11, 2021

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



With Micrologic 2.0 Manual Fixed

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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_3P33466D <input checked="" type="checkbox"/>	69270	INA_4P33469D	90620
	1000	INA_3P33472D	88910	INA_4P33475D	129000
<b>With Extended Rotary Handle</b>					
50kA	800	INA_3P33466E <input checked="" type="checkbox"/>	73480	INA_4P33469E <input checked="" type="checkbox"/>	95470
	1000	INA_3P33472E <input checked="" type="checkbox"/>	95570	INA_4P33475E <input checked="" type="checkbox"/>	137640
	1250	INA_3P33478E <input checked="" type="checkbox"/>	114050	INA_4P33480E	173810



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 [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_3P96466D	98120	INA_4P96469D	119470
	800	INA_3P96467D	113520	INA_4P96470D	137070
70kA	1000	INA_3P96473D	140870	INA_4P96476D	197300
<b>With Extended Rotary Handle</b>					
50kA	800	INA_3P96466E	103070	INA_4P96469E	125170
	1000	INA_3P96472E	123360	INA_4P96475E	175535
	1250	INA_3P96478E	141540	INA_4P96480E	198130
70kA	800	INA_3P96467E	119040	INA_4P96470E	143290
	1000	INA_3P96473E	147090	INA_4P96476E	205300

Remarks: Trip Unit Micrologic 6.0.A

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

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

LED bargraph shows the % loading on each phase

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

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



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

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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>With Direct Rotary Handle</b>					
50kA	1000	INA_10N3PFM6ED1	145660	INA_10N4PFM6ED1	187795
	1250	INA_12N3PFM6ED1	162325	INA_12N4PFM6ED1	223010
70kA	800	INA_8H3PFM6ED1	135355	INA_8H4PFM6ED1	164780
	1000	INA_10H3PFM6ED1	172410	INA_10H4PFM6ED1	237745
	1250	INA_12H3PFM6ED1	198285	INA_12H4PFM6ED1	257540
<b>With Extended Rotary Handle</b>					
50kA	800	INA_8N3PFM6EE1	112295	INA_8N4PFM6EE1	137040

Remarks: Trip Unit Micrologic 6.0E

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
I <sub>sd</sub>	Adjustable Short Circuit Current	1.5 - 10 x Ir
t <sub>sd</sub>	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)
I <sub>i</sub>	Adjustable Instantaneous Current	2 - 15 x In & OFF
I <sub>g</sub>	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for ≥1250A)
t <sub>g</sub>	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)

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

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

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



With Micrologic 2.0 Electrical Fixed

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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_3P93280_20	123510	INA_4P93284_20	140275
	1000	INA_3P93290_20	145360	INA_4P93294_20	189865
	1250	INA_3P93300_20	164890	INA_4P93304_20	228015



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 [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_3P96280_20	155530	INA_4P96284_20	179205
	1000	INA_3P96290_20	177385	INA_4P96294_20	324730
<b>For Control Voltage 415V AC</b>					
50kA	1000	INA_3P96290_40	177385	INA_4P96294_40	221900
	1250	INA_3P96300_40	189335	INA_4P96304_40	250020

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 (I²t 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 (I²t ON/OFF)

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

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Accessories

For ComPact NS800 - 1600A

Type	Voltage	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>Voltage Releases</b>					
AC 50/60 Hz	24 V	33659	6240	33668	6240
	48 V	33660	6240	33669	6240
	110-130 V	33661 <input checked="" type="checkbox"/>	6245	33670	6240
	220-240 V	33662 <input checked="" type="checkbox"/>	6240	33671 <input checked="" type="checkbox"/>	6240
	380-415 V	33664	6240	33673 <input checked="" type="checkbox"/>	6240
DC	24 V	33659	6240	33668	6240
	48 V	33660	6240	33669	6240
	125 V	33661 <input checked="" type="checkbox"/>	6245	33670	6240
	250 V	33662 <input checked="" type="checkbox"/>	6240	33671 <input checked="" type="checkbox"/>	6240
<b>Description</b>				<b>NS800 to 1600 Reference</b>	<b>Unit MRP [₹]</b>
Spreaders (Set of 3) 3P				33622 <input checked="" type="checkbox"/>	10100
Spreaders (Set of 4) 4P				33623 <input checked="" type="checkbox"/>	12530

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

 NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# EasyPact EZC

Safe, Reliable and Easy



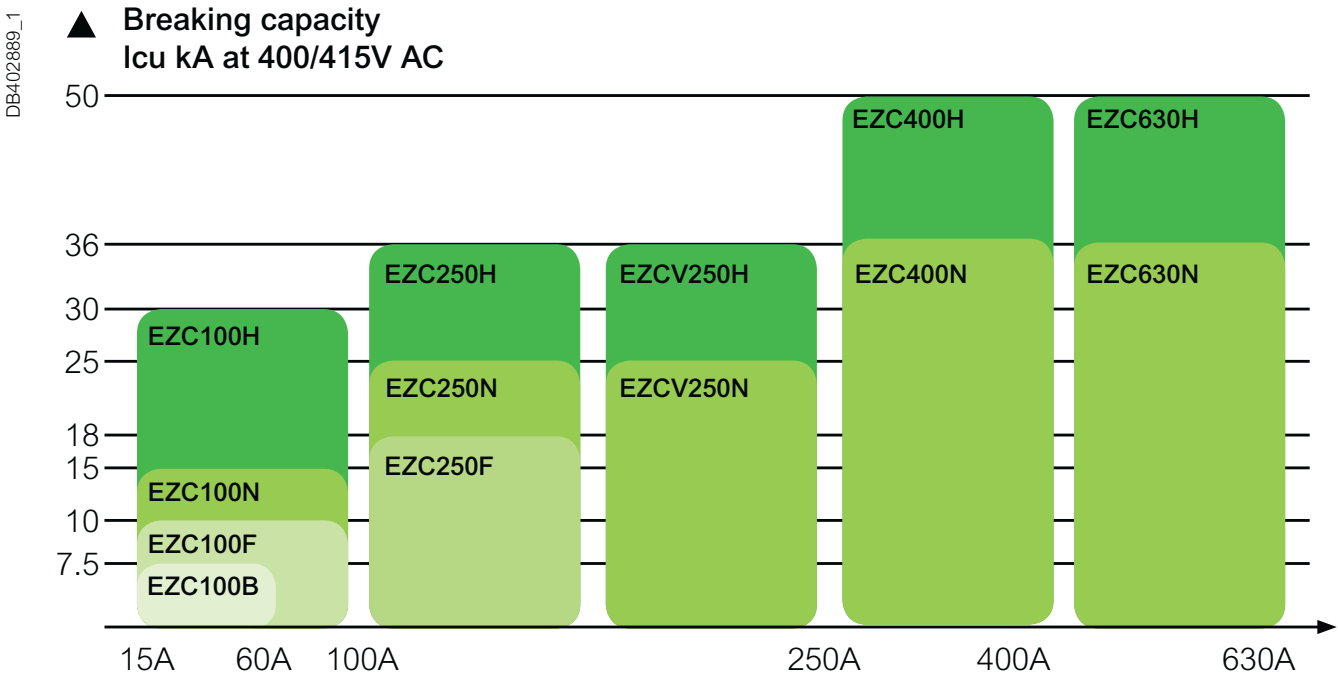
With just three sizes of circuit breakers, Schneider Electric's **EasyPact EZC** system is the simple, universal solution, particularly

adapted to Buildings and OEM segments

- Suitability for Isolation ensures safety
- Compliance to RoHS (Restriction of Hazardous Substances) for environment safety

**Range Details:**

- Global MCCB offer from 15A to 600A
- Breaking capacity upto 50kA @ 415 V AC
- 1P, 2P, 3P and 4P versions available
- EZC AC version is suitable for DC applications upto 250V DC (15A to 250A breaking capacity up to 30kA)



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

☑ NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## With Fixed Thermal Magnetic Trip Unit (TMD)

- Conforms to IEC60947-2
- Suitable for isolation

BREAKING CAPACITY ICU AS PER IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP ₹
"10 kA @ 415V AC 5kA @ 250V DC (2pole in series)"	16A	EZC100F3016	3050
	20A	EZC100F3020	
	25A	EZC100F3025	
	32A	EZC100F3032	
	40A	EZC100F3040	
	50A	EZC100F3050	
	63A	EZC100F3063	
	80A	EZC100F3080	
"18 kA @ 415V AC 5kA @ 250V DC (2pole in series)"	100A	EZC100F3100	7235
	125A	EZC250F3125	
	150A	EZC250F3150	
	160A	EZC250F3160	
	175A	EZC250F3175	
	200A	EZC250F3200	
8260			
10145			
<b>Breaking Capacity Icu as per IEC 60947-2</b>			
"18 kA @ 415V AC 5kA @ 250V DC (2pole in series)"	250A	EZC250F3250	11865
<b>Breaking Capacity Icu as per IEC 60947-2</b>			
"18 kA @ 240V AC 5kA @ 125V DC "	16A	EZC100N1016	2280
	20A	EZC100N1020	
	25A	EZC100N1025	
	32A	EZC100N1032	
	40A	EZC100N1040	
	50A	EZC100N1050	
	63A	EZC100N1063	
	80A	EZC100N1080	
	100A	EZC100N1100	
<b>Breaking Capacity Icu as per IEC 60947-2</b>			
"50 kA @ 240V AC 10kA @ 250V DC (2pole in series)"	16A	EZC100H2016	3710
	20A	EZC100H2020	
	25A	EZC100H2025	
	32A	EZC100H2032	
	40A	EZC100H2040	
	50A	EZC100H2050	
	63A	EZC100H2063	
	80A	EZC100H2080	
	100A	EZC100H2100	
	7650		
"85 kA @ 240V AC 30kA @ 250V DC (2pole in series)"	125A	EZC250H2125	9010
	150A	EZC250H2150	9010
	160A	EZC250H2160	9010
	175A	EZC250H2175	10850
	200A	EZC250H2200	10850
<b>Breaking Capacity Icu as per IEC 60947-2</b>			
"85 kA @ 240V AC 30kA @ 250V DC (2pole in series)"	250A	EZC250H2250	11170

**Note:**

- Contact customer care for 1P(up to 100A) and 2P (up to 250A) requirements.

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

NORMAL STOCK ITEMS

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Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
"30 kA @ 415V AC 10kA @ 250V DC (2pole in series)"	15A	EZC100H3015	5030	EZC100H4015	6960
	20A	EZC100H3020		EZC100H4020	
	25A	EZC100H3025		EZC100H4025	
	32A	EZC100H3032		EZC100H4032	
	40A	EZC100H3040		EZC100H4040	
	50A	EZC100H3050		EZC100H4050	
	63A	EZC100H3063		EZC100H4063	
	80A	EZC100H3080		EZC100H4080	
	100A	EZC100H3100		EZC100H4100	
"25 kA @ 415V AC 20kA @ 250V DC (2pole in series)"	125A	EZC250N3125	7410	EZC250N4125	10225
	160A	EZC250N3160	8985	EZC250N4160	12030
	200A	EZC250N3200	10665	EZC250N4200	13450
Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
"25 kA @ 415V AC 20kA @ 250V DC (2pole in series)"	250A	EZC250N3250	12185	EZC250N4250	15765
Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
"36 kA @ 415V AC 30kA @ 250V DC (2pole in series)"	125A	EZC250H3125	7550	EZC250H4125	10180
	160A	EZC250H3160	9890	EZC250H4160	12440
	200A	EZC250H3200	12280	EZC250H4200	16590
Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
"36 kA @ 415V AC 30kA @ 250V DC (2pole in series)"	250A	EZC250H3250	13730	EZC250H4250	18540
	320A	EZC400H3320N	20550	EZC400H4320N	23710
"50 kA @ 415V AC"	400A	EZC400H3400N	21210	EZC400H4400N	28390
	500A	EZC630H3500N	28410	EZC630H4500N	36930
	600A	EZC630H3600N	29610	EZC630H4600N	38600

**Note:**

- Contact customer care for 1P(up to 100A) and 2P (up to 250A) requirements

Description	EZC100 Reference	Unit MRP [₹]	EZC250 Reference	Unit MRP [₹]
<b>Auxiliary Contacts (changeover) Multifunction</b>				
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	880	EZEAX <input checked="" type="checkbox"/>	1070
Alarm Switch 1 C/O	EZAUX01		EZEAL <input checked="" type="checkbox"/>	
Alarm - Auxiliary Switch	EZAUX11 <input checked="" type="checkbox"/>	1290	EZEAXAL	1535
<b>Spreaders</b>				
Spreaders *(Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	350	EZESPDR3P <input checked="" type="checkbox"/>	530
Spreaders *(Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	470	EZESPDR4P	680
<b>Phase Barriers</b>				
	EZAFASB2	220	EZEFASB2	305
<b>Rotary Handle</b>				
Direct Rotary handle	EZAROTDS <input checked="" type="checkbox"/>	1230	EZEROTDS	1535
Extended Rotary handle	EZAROTE	1840	EZEROTE	1840
<b>Shunt Release</b>				
<b>AC</b>				
100-130 V	EZASHT100AC	1880	EZESHT100AC	1880
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>		EZESHT200AC <input checked="" type="checkbox"/>	
380-480 V	EZASHT380AC		EZESHT400AC	
<b>DC</b>				
24 V	EZASHT024DC	1580	EZESHT024DC	1880

Description	EZC 400/600 Reference	Unit MRP [₹]
<b>Auxiliary Contacts</b>		
OF or SD or SDE	29450	880
<b>Spreaders</b>		
Spreaders (Set of 3) 3P	32492	1410
Spreaders (Set of 4) 4P	32493	1790
<b>Phase Barriers (Set of 6)</b>		
	LV432570	810
<b>Rotary Handle</b>		
Direct Rotary handle	LV432597	1890
Extended Rotary handle	LV432598	3140
<b>Shunt Release</b>		
AC 220-240 V 50/60 Hz	LV429387	2100

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

NORMAL STOCK ITEMS

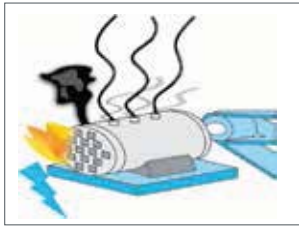
W.E.F. January 11, 2021

# 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"/>	5760	GFP11CT14P <input checked="" type="checkbox"/>	6310
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	6540	GFP12CT24P <input checked="" type="checkbox"/>	7390
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	9890	GFP13CT34P <input checked="" type="checkbox"/>	10800

**Note:** Kindly order one no. Shunt trip coil along with one Ground Fault Protection Module for CVS100 to 630.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



Earth Leakage Protection is obtained by:

- Installing a Micrologic 7.0.A control unit (ComPact NS800 - 3200A/ MasterPact NT/NW ACB)
- Using Vigirex Relays and separate Toroids or Rectangular Sensors

## Vigirex Relays



Vigirex Relays along with Vigirex Sensors, may be used to add external Earth Leakage Protection to Circuit Breakers

- Sensitivity Adjustments from 30mA to 30A and time delay settings from (0-4.5 seconds)
- Closed Toroid up to 630A (30 to 300mm in diameter), Split Toroid up to 250A (46 to 110mm in diameter) or
- Rectangular sensor up to 3200A
- 400Hz Distribution System

**Note:** For further details, please contact our nearest Sales Office.

Type	Control Voltage	Din rail mount Reference	Unit MRP [₹]	Front panel mount Reference	Unit MRP [₹]
RH10 with local manual fault reset	220/240VAC	56130	11495	56230	12630
Sensitivity=0.03A	380/415VAC	56140		56240	17860
RH99 with local manual fault reset	220/240VAC	56173	17370	56273	18805
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	56174	19155	56274	19745
RH197P with local manual or automatic fault reset	220/240VAC		-	56507*	21260
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC		-	56508*	43275
RH197P with local manual or automatic fault reset	220/240VAC		-	56512**	41625
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC		-	56513**	22540

\* 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	7330
PA50	85	50	50438	10215
IA80	160	80	50439	12160
MA120	250	120	50440	14630
SA200	400	200	50441	22730
GA300	630	300	50442	48615

**Note:** For vigirex relay with monitoring and communication facility, contact nearest sales office.

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



For Low Voltage Circuit Control and Isolation - Incomers for Distribution Boards

- Conforms to IEC 60947-3/IS 13947 - 3
- Rated operational voltages 500V/690V
- Range 40A to 2500A
- Rated operational current @ AC 23A
- No deration upto 60° C
- Positive contact indication
- Common accessories with ComPact NSX/single auxillary contact
- Making capacity enhanced with ComPact NSX upstream

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

3-Pole	40 A AC-23A	28900	4850
	63 A AC-23A	28902	5860
	100 A AC-23A	28908	6910
	125 A AC-23A	28910	7530
	160 A AC-23A	28912	8390
	200 A AC-23A	31102	14580
	250 A AC-23A	31106	15400
	320 A AC-23A	31108	25080
	400 A AC-23A	31110	28260
	630 A AC-23A	31114	29070
4-Pole	40 A AC-23A	28901	5420
	63 A AC-23A	28903	6410
	100 A AC-23A	28909	7530
	125 A AC-23A	28911	8400
	160 A AC-23A	28913	9270
	200 A AC-23A	31103	16280
	250 A AC-23A	31107	17100
	320 A AC-23A	31109	29050
	400 A AC-23A	31111	30000
	630 A AC-23A	31115	33630

**Interpact Changeover Systems (Complete Assembly)**

3-Pole	100 A AC-23A	31140	42970
	160 A AC-23A	31144	46770
	200 A AC-23A	31142	51435
	250 A AC-23A	31146	52870
	320 A AC-23A	31148	87425
	400 A AC-23A	31150	93340
4-Pole	630 A AC-23A	31154	94960
	100 A AC-23A	31141	49010
	160 A AC-23A	31145	53605
	200 A AC-23A	31143	60695
	250 A AC-23A	31147	62805
	320 A AC-23A	31149	95360
	400 A AC-23A	31151	98450
	630 A AC-23A	31155	112710

Description	Reference	Unit MRP [₹]
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**Accessories**

Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)	LV431050	4270
Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector)	31052	6035
Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector)	LV428941	2170
6 phase separators - INS100..160	28959	950
6 phase separators - INS250	29329	1170
6 phase separators - INS400..630	LV432570	810

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



## Fuse solutions from the world leader in electrical distribution

- The most complete fuse device offer in single and double break - switch disconnector fuses, fuse switch disconnectors and disconnector fuses
- Double break and Single break offer.
- Short-circuit and overload protection
- Isolation
- On-load switching of circuits

### Range Details: NX range Switch Disconnecter Fuse

- 32A to 630A TP, TPN & FP version suitable for DIN/BS fuses.
- 4 break and 8 arcing zones
- IP20 Fuse protection cover is standard.

### Range Details: ISFT range Fuse Switch Disconnecter

- 100A to 630A TP, version suitable for DIN fuses.
- Single breaking and direct connection to busbars
- isolation with positive contact indication when the fuse-carrier assembly is in the open position (OFF).

### Range Details: ISFL range Vertical Fuse Switch Disconnecter

- 160A to 1250A TP, version suitable for DIN fuses.
- Single breaking and direct connection to busbars
- Two versions i.e Single pole or Three pole operation

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

### Without Enclosure

Rated Operational Current	Poles Description	DIN Type Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDI <input checked="" type="checkbox"/>	2580
63 A	3P + N	NX063TPNDI <input checked="" type="checkbox"/>	3410
80 A	3P + N	NX080TPNDI	6450
100 A	3P	NX100TPXDI	7120
	3P + N	NX100TPNDI <input checked="" type="checkbox"/>	7400
125 A	3P	NX125TPXDI <input checked="" type="checkbox"/>	8310
	3P + N	NX125TPNDI <input checked="" type="checkbox"/>	9070
160 A	3P + N	NX160TPNDI <input checked="" type="checkbox"/>	9890
200A	3P + N	NX200TPNDI <input checked="" type="checkbox"/>	12700
	3P	NX250TPXDI	14840
250 A	3P + N	NX250TPNDI <input checked="" type="checkbox"/>	15280
	4P	NX250FPXDI	17980
315 A	3P + N	NX315TPNDI <input checked="" type="checkbox"/>	18920
400 A	3P + N	NX400TPNDI <input checked="" type="checkbox"/>	25880
630 A	3P	NX630TPXDI	36810
	3P + N	NX630TPNDI <input checked="" type="checkbox"/>	37650

### Accessories/Spares

Description	Reference	Unit MRP [₹]
<b>NX032/NX063/NX080</b>		
Auxiliary contact for FuPact	NXAA11 <input checked="" type="checkbox"/>	540
Handle operating mechanism (HOM) NX032...NX080	NXR1	485
<b>NX100/NX125/NX160</b>		
Auxiliary contact for FuPact	NXBA11 <input checked="" type="checkbox"/>	630
Fuse holder DIN for BS type NX100...NX160	NXHB21	240
Handle operating mechanism NX100...NX160	NXR2 <input checked="" type="checkbox"/>	920
<b>NX200</b>		
Auxiliary contact for FuPact	NXBA11 <input checked="" type="checkbox"/>	630
Fuse holder for BS type NX200	NXHB22	250
Fuse holder for DIN NX200	NXHD22	285
Handle operating mechanism NX200	NXR2 <input checked="" type="checkbox"/>	920
<b>NX250/315/400</b>		
Auxiliary contact for FuPact	NXBA11 <input checked="" type="checkbox"/>	630
Handle operating mechanism for NX250...NX400	NXR3	955
<b>NX630</b>		
Auxiliary contact for FuPact	NXBA11 <input checked="" type="checkbox"/>	630

**Note:** For other versions please contact our nearest Sales Office.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

Future of Power Distribution

# MasterPact MTZ

LV Circuit Breakers & Switch Disconnectors  
from 630A to 6300A





# NOW, YOU'RE READY...

Built on the legendary performance and reliability of the MasterPact range.

MasterPact MTZ circuit breakers prepare you for the future of power distribution with smart connectivity, remote monitoring, and easy customization via digital modules.

- Intuitive EcoStruxure Power Device App smartphone app for easy operation and maintenance
- Precise Class 1 power meter built in for energy-saving capabilities
- Easy customization with digital modules
- Intuitive MicroLogic™ X control unit
- Easy installation using established architectures
- Seamless integration with building and energy management systems with EcoStruxure architectures
- Designed and tested to applicable standards for ANSI, UL, and IEC
- Low migration cost from MasterPact NT/NW to MasterPact MTZ



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With MasterPact MTZ breakers, enhanced performance and connectivity equip you for the future of power distribution.

- Available from 630A to 6300A
  - Breaking capacity upto 150kA
  - Fixed & Draw-Out version
- 



# MasterPact MTZ

## A new digital user experience

With the MasterPact MTZ circuit breaker, every stage of the project - from designing and configuring to operating and maintaining - is streamlined using its digital capabilities.

### DESIGN



**EcoStruxure Power Design software**  
Single-line diagram design software that calculates and sizes your electrical installation.

**EcoStruxure Power Build software**  
Quick configuration and quotation tool for switchboards.

### CONFIGURE AND ORDER



**Product Selector**  
Configure MasterPact MTZ to save time and ensure accuracy.

**MySE**  
Order your MasterPact MTZ online

### BUILD AND COMMISSION



**EcoStruxure Power Commission software**  
Commission and upgrade easily with protection setting and factory-acceptance test.

### OPERATE AND MAINTAIN



**EcoStruxure Power monitoring software**  
Power Monitoring Expert  
Power SCADA Operation  
Building Operation  
Facility Advisor

**Monitor with EcoStruxure Power software**  
Obtain data visualization and reporting for increased efficiency.

### Remote, continuous notifications

**The Facility Expert maintenance logbook app.**  
Track facility data and receive alerts in case of power events and scheduled maintenance.



### Operate with your smartphone

Locally in the facility room  
Ecostruxure Power Device App



### Operate with MicroLogic X control unit

Locally in the facility room  
Status "at a glance"



### CUSTOMIZE OR UPGRADE



**GoDigital store**  
Purchase additional digital modules for even more visibility and efficiency over the MasterPact MTZ circuit breaker life cycle.



## Overview of MicroLogic X Trip Unit

### Measurement

Energy management is the challenge of present & future generations. To meet this requirement MicroLogic X incorporates all the measuring functions of a power meter including **Energy Class 1 accuracy** third-party certified.

### Maintenance & Diagnostics

Optimal continuity of services as well as extended life of equipment is one of customers main concerns. For that purpose **MicroLogic X integrates new extended diagnosis** and assistance to maintenance.

### Protection

Improvement of the reliability of MicroLogic X, dual settings and additional facilities **increase the performance and the flexibility** of low voltage systems of protection.



## 14 Optional 24/7 downloadable digital modules dedicated to upgrading MicroLogic X

- Undervoltage and overvoltage
- Underfrequency and overfrequency
- Reverse active power
- IDMTL overcurrent protection
- Directional overcurrent
- Ground-fault alarm
- Energy Reduction Maintenance Settings
- Energy per phase
- Individual harmonics analysis
- Power restoration assistant
- MasterPact operation assistant
- Waveform capture on trip event
- IEC 61850 for MasterPact MTZ
- Modbus legacy dataset

## Communication

- It is now common practice to make available most of the information processed by a Protection Control Unit, locally for network operation and maintenance, as well as remotely for higher functions of control, monitoring, energy efficiency and assets management.
- To comply with this requirement, MicroLogic X control units **incorporate several channels of communication, including Ethernet, Modbus SL and wireless communication facilities**

The Benchmark for Power Circuit Breakers around the world

# MasterPact NT/NW

LV power circuit breakers 630 to 6300 A



Network Protection



Supervision



ComPact

AIR PROCESS

# MasterPact NT and NW

## The Benchmark For Power Circuit Breakers Around The World



Ethernet ready MasterPact NT and NW breakers, setting the standard for performance, safety, connectivity and built-in metering; all in optimized frame sizes

- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for improved energy efficiency
- MasterPact is suitable for heavy duty applications



**Building    Energy    Industry    Datacenter**  
**& Infrastructure**

- MasterPact is an answer to specific applications:
  - 1000V for mining applications
  - Direct current networks
  - Corrosion protection
  - Switch disconnectors and earthing switches

### Range Details:

- 630A to 6300A
- Breaking Capacity upto 150kA
- Fixed, Draw out type
- Flexible terminal orientation enables horizontal or vertical alignment changes in the field\*

\*Not Applicable for 4000A and 6300A



# Micrologic Trip System Overview of functions

## Micrologic name codes

**2.0 E**  
X Y Z

### X: type of protection

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

### Y: control-unit generation

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

### Z: type of measurement

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

## P: E + power meter + programmable protection

- measurements of V, A, W, VAR, VA, Wh, VARh, VAh, Hz, Vpeak, Apeak, power factor and maximeters and minimeters
- IDMTL long-time protection, minimum and maximum voltage and frequency, voltage and current imbalance, phase sequence, reverse power
- load shedding and reconnection depending on power or current
- measurements of interrupted currents, differentiated fault indications,
- maintenance indications, event histories and time-stamping, etc.

## Measurements and programmable protection

- $I_1, I_2, I_3, I_N$ , earth-fault, earth-leakage and maximeter for these measurements
- fault indications
- settings in amperes and in seconds.
- calculates the current demand value
- "Quickview" function for the automatic cyclical display of the most useful values (as standard or by selection).



## H: P + harmonics

- power quality: fundamentals, distortion, amplitude and phase of harmonics up to the 31st order
- waveform capture after fault, alarm or on request
- enhanced alarm programming: thresholds and actions.

## Solar PVDC ACB Offer

### MasterPact NW HADCD - PV switch disconnectors



- 2000A and 4000A @ 1000V DC
- Short Circuit Withstand Capacity upto 85kA 1sec
- Fixed and Draw out type
- High Mechanical and Electrical life

## ATS Kit

### Suitable for MasterPact NT/ NW ACB

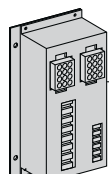
#### This Kit comprises of :

- Adaptation fixture & set of two cables for mechanical interlocking
- IVE unit for Electrical Interlocking
- ACP control Plate
- UA/BA controller

\*Note: For ATS with MasterPact NT/NW ACB, order 2 nos. of ACB's with ready to close PF contact + 1 no. ATS Kit



ACP Unit



IVE Unit



Controller



Mechanical interlocking using cable

Description	Reference	Unit MRP [₹]
ATS Kit for MasterPact NT EDO type with BA 415VAC controller	INA_NTDOB4	147445
ATS Kit for MasterPact NT EDO type with UA 415VAC controller	INA_NTDOU4	169150
ATS Kit for MasterPact NW EDO type with BA 415VAC controller	INA_NWDOB4 <input checked="" type="checkbox"/>	160515
ATS Kit for MasterPact NW EDO type with UA 415VAC controller	INA_NWDOU4 <input checked="" type="checkbox"/>	203940

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021





The easy choice for reliable performance

# EasyPact MVS

LV power circuit breakers and switch  
disconnectors from 800 to 4000 A



# EasyPact MVS

The easy choice for reliable performance



- Thermal memory ensures safe tripping in case of consecutive faults
- In-built ZSI feature facilitates intelligent discrimination and enhances installation life
- Mechanical ready to close features checks all safety parameters before closing for enhanced safety
- Trip unit with built in current & voltage metering for easy access to important electrical parameters
- Best in class break time of 25ms creates lower stress on installation
- Pollution degree 4 allows the breaker to operate in harsh environments
- LED bargraph ensures easy access to % phase wise loading information
- Ap protection feature standard in all trip units

## Range Details:

- Single frame for 800A to 4000A
- Fixed, Draw out type
- Entire Range  $I_{cu}=I_{cs}=I_{cw}=50kA / 65kA$  for 1sec @440V
- Suitability for applications up to 690 V
- Flexible terminal orientation enables horizontal or vertical alignment changes in the field\*

\*Not possible for 4000A



# ET/ETA/ETV Trip System

A step towards intelligent Electrical Distribution Network



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

## EasyPact ACB CommunicationModule



**Connect**



**Control**



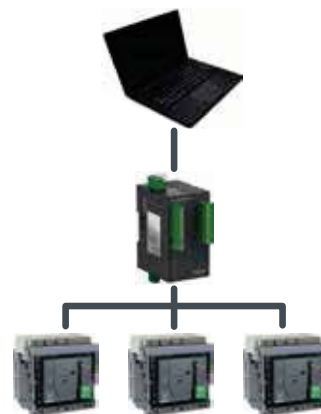
**Manage**

Make Communication architecture affordable and Easy to maintain

- Connect, Control & Manage three ACBs from one communication module having RS485 port with Modbus RTU protocol.
  - a. Connect breaker ON/OFF status (OF) Breaker trip status (SDE), ready to close status (PF)
  - b. Control remote open/close of air circuit breakers.
  - c. Manage one analog input (4-20mA)



**EasyPact MVS** communication module connect and control ACB on Modbus Communication architecture.



Material Description	Reference	Unit MRP [€]
EasyPact MVS Communication module .... EasyCom	MVS21430	12130

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# EasyPact MVS Draw-out ACB

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



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- $I_{cu} = I_{cs} = I_{cw}(1\text{sec}) = 50\text{kA} @ 440\text{V AC}$

### Draw-out Type circuit breaker with Microprocessor based ET6G Trip Unit (without display)

Rating In (A)	3P Draw-Out Manual Reference	Unit MRP [₹]	3P Draw-Out Electrical Reference	Unit MRP [₹]	4P Draw-Out Manual Reference	Unit MRP [₹]	4P Draw-Out Electrical Reference	Unit MRP [₹]
800	MVS08N3MW6L	201790	MVS08N3NW6L	255670	MVS08N4MW6L	253270	MVS08N4NW6L	307150
1000	MVS10N3MW6L	211990	MVS10N3NW6L	265870	MVS10N4MW6L	265350	MVS10N4NW6L	319230
1250	MVS12N3MW6L	236030	MVS12N3NW6L	289910	MVS12N4MW6L	293890	MVS12N4NW6L	347770
1600	MVS16N3MW6L	268260	MVS16N3NW6L	322140	MVS16N4MW6L	327330	MVS16N4NW6L	381210
2000	MVS20N3MW6L	337170	MVS20N3NW6L	391050	MVS20N4MW6L	414080	MVS20N4NW6L	467960
2500	MVS25N3MW6L	416840	MVS25N3NW6L	470720	MVS25N4MW6L	506530	MVS25N4NW6L	560410
3200	MVS32N3MW6L	506180	MVS32N3NW6L	560060	MVS32N4MW6L	620660	MVS32N4NW6L	674540
4000	MVS40N3MW6L	619090	MVS40N3NW6L	672970	MVS40N4MW6L	791830	MVS40N4NW6L	845710

### EasyPact MVS Draw out ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET6G trip unit.		How to arrive at new reference number*
Switch Disconnector version (without trip unit)	Reduce	₹19300	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For switch disconnector reference <b>replace 6L by 0D</b> i.e MVS08N3MW0D
ACB with ET6A trip unit (LCD display with Current Metering)	Add	₹9200	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6A trip unit <b>replace 6L by 6A</b> i.e MVS08N3MW6A
ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹21200	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MW6L. For ACB reference with ET6V trip unit <b>replace 6L by 6V</b> i.e MVS08N3MW6V

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

#### Note:

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

- Top and Bottom horizontal terminations.
  - 1 No. Electrical fault indication Contact (SDE).
  - No. Auxiliary contact block (OF) with 4 C/O contacts.
  - Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX) (Voltage ratings to be specified by customer & duty filled in ACB Order form)
  - External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
  - Any other accessories are optional at extra price.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# EasyPact MVS Draw-out ACB

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



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

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

Rating In (A)	3P Draw-Out Manual Reference	Unit MRP [₹]	3P Draw-Out Electrical Reference	Unit MRP [₹]	4P Draw-Out Manual Reference	Unit MRP [₹]	4P Draw-Out Electrical Reference	Unit MRP [₹]
800	MVS08N3MW2L	194390	MVS08N3NW2L	248270	MVS08N4MW2L	245870	MVS08N4NW2L	299750
1000	MVS10N3MW2L	204590	MVS10N3NW2L	258470	MVS10N4MW2L	257950	MVS10N4NW2L	311830
1250	MVS12N3MW2L	228630	MVS12N3NW2L	282510	MVS12N4MW2L	286490	MVS12N4NW2L	340370
1600	MVS16N3MW2L	260860	MVS16N3NW2L	314740	MVS16N4MW2L	319930	MVS16N4NW2L	373810
2000	MVS20N3MW2L	329770	MVS20N3NW2L	383650	MVS20N4MW2L	406680	MVS20N4NW2L	460560
2500	MVS25N3MW2L	409440	MVS25N3NW2L	463320	MVS25N4MW2L	499130	MVS25N4NW2L	553010
3200	MVS32N3MW2L	498780	MVS32N3NW2L	552660	MVS32N4MW2L	613260	MVS32N4NW2L	667140
4000	MVS40N3MW2L	611690	MVS40N3NW2L	665570	MVS40N4MW2L	784430	MVS40N4NW2L	838310

### EasyPact MVS Draw out ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET2L trip unit.		How to arrive at new reference number*
ACB with ET2A trip unit (LCD display with Current Metering)	Add	₹4600	<b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2A trip unit <b>replace 2L by 2A</b> i.e MVS08N3MW2A
ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹13800	<b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MW2L. For ACB reference with ET2V trip unit <b>replace 2L by 2V</b> i.e MVS08N3MW2V

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

#### Note:

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

- Top and Bottom horizontal terminations.
  - 1 No. Electrical fault indication Contact (SDE).
  - 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
  - Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX).
  - External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
  - Any other accessories are optional at extra price.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# EasyPact MVS Fixed ACB

## Fixed type Circuit breakers & Switch Disconnectors 800-4000A



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

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

Rating in (A)	3P Fix Manual Reference	Unit MRP [₹]	3P Fix Electrical Reference	Unit MRP [₹]	4P Fix Manual Reference	Unit MRP [₹]	4P Fix Electrical Reference	Unit MRP [₹]
800	MVS08N3MF6L	150460	MVS08N3NF6L	204340	MVS08N4MF6L	191310	MVS08N4NF6L	245190
1000	MVS10N3MF6L	164710	MVS10N3NF6L	218590	MVS10N4MF6L	207770	MVS10N4NF6L	261650
1250	MVS12N3MF6L	189310	MVS12N3NF6L	243190	MVS12N4MF6L	236520	MVS12N4NF6L	290400
1600	MVS16N3MF6L	210140	MVS16N3NF6L	264020	MVS16N4MF6L	271630	MVS16N4NF6L	325510
2000	MVS20N3MF6L	253870	MVS20N3NF6L	307750	MVS20N4MF6L	331780	MVS20N4NF6L	385660
2500	MVS25N3MF6L	309500	MVS25N3NF6L	363380	MVS25N4MF6L	391020	MVS25N4NF6L	444900
3200	MVS32N3MF6L	443040	MVS32N3NF6L	496920	MVS32N4MF6L	546630	MVS32N4NF6L	600510
4000	MVS40N3MF6L	545590	MVS40N3NF6L	599470	MVS40N4MF6L	684000	MVS40N4NF6L	737880

### EasyPact MVS Fix ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET6G trip unit.		How to arrive at new reference number*
Switch Disconnector version (without trip unit)	Reduce	₹19300	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For switch disconnector reference <b>replace 6L by 0D</b> i.e MVS08N3MF0D
ACB with ET6A trip unit (LCD display with Current Metering)	Add	₹9200	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6A trip unit <b>replace 6L by 6A</b> i.e MVS08N3MF6A
ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹21200	<b>Example :</b> ACB reference with ET6G trip unit - MVS08N3MF6L. For ACB reference with ET6V trip unit <b>replace 6L by 6V</b> i.e MVS08N3MF6V

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

#### Note:

All Fix type circuit breakers will be supplied with:

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

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

NORMAL STOCK ITEMS

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

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

Rating in (A)	3P Fix Manual Reference	Unit MRP [₹]	3P Fix Electrical Reference	Unit MRP [₹]	4P Fix Manual Reference	Unit MRP [₹]	4P Fix Electrical Reference	Unit MRP [₹]
800	MVS08N3MF2L	143060	MVS08N3NF2L	196940	MVS08N4MF2L	183910	MVS08N4NF2L	237790
1000	MVS10N3MF2L	157310	MVS10N3NF2L	211190	MVS10N4MF2L	200370	MVS10N4NF2L	254250
1250	MVS12N3MF2L	181910	MVS12N3NF2L	235790	MVS12N4MF2L	229120	MVS12N4NF2L	283000
1600	MVS16N3MF2L	202740	MVS16N3NF2L	256620	MVS16N4MF2L	264230	MVS16N4NF2L	318110
2000	MVS20N3MF2L	246470	MVS20N3NF2L	300350	MVS20N4MF2L	324380	MVS20N4NF2L	378260
2500	MVS25N3MF2L	302100	MVS25N3NF2L	355980	MVS25N4MF2L	383620	MVS25N4NF2L	437500
3200	MVS32N3MF2L	435640	MVS32N3NF2L	489520	MVS32N4MF2L	539230	MVS32N4NF2L	593110
4000	MVS40N3MF2L	538190	MVS40N3NF2L	592070	MVS40N4MF2L	676600	MVS40N4NF2L	730480

### EasyPact MVS Fix ACB

ACB variants	LP changes for product configuration w.r.t. ACB having ET2L trip unit	How to arrive at new reference number
ACB with ET2A trip unit (LCD display with Current Metering)	Add	₹4600 <b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MF2L. <b>For ACB reference with ET2A trip unit replace 2L by 2A</b> i.e MVS08N3MF2A
ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹13800 <b>Example :</b> ACB reference with ET2L trip unit - MVS08N3MF2L. <b>For ACB reference with ET2V trip unit replace 2L by 2V</b> i.e MVS08N3MF2V

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

Note:

All Fix type circuit breakers will be supplied with:

- horizontal / vertical terminal
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- door sealing frame- Escutcheon (CDP).

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

Component	Specification	Reference	Unit MRP [₹]
<b>Gear Motor (MCH)</b>			
AC 50/60 Hz	100/130 V	47893	42870
	200/240 V	47894 <input checked="" type="checkbox"/>	
	380/415 V	47896	
DC	24/30 V	47888	
	48/60 V	47889	
	100/125 V	47890	
	200/250 V	47891	
<b>Closing Release (XF)</b>			
AC 50/60 Hz DC	24/30 V DC	33659	6240
	48/60 V DC	33660	
	100/130 V AC/DC	MVS15511 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	MVS15512 <input checked="" type="checkbox"/>	
	380/480 V AC	MVS15513	
<b>Opening Release (MX)</b>			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33659	6240
	48/60 V DC, 48 V AC	33660	
	100/130 V AC/DC	33661 <input checked="" type="checkbox"/>	6245
	200/250 V AC/DC	33662 <input checked="" type="checkbox"/>	
	380/480 V AC	33664 <input checked="" type="checkbox"/>	6240
<b>Terminal Block</b>			
For drawout circuit breaker		47849	230
<b>Under Voltage Release (MN)</b>			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33668	6240
	48/60 V DC, 48 V AC	33669	
	100/130 V AC/DC	33670 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	33671 <input checked="" type="checkbox"/>	
	380/480 V AC	33673 <input checked="" type="checkbox"/>	
<b>MN Delay Unit</b>			
AC 50/60 Hz DC	48/60 V AC/DC	33680	9070
	100/130 V AC/DC	33681	
	200/250 V AC/DC	33682	
	380/480 V AC/DC	33683	
	100/130 V AC/DC	33684	8450
	200/250 V AC/DC	33685 <input checked="" type="checkbox"/>	
<b>ON/OFF Indication Contacts (Additional OF contact)</b>			
1 additional block of 4 contacts		47887	5500
<b>Door Interlock (VPECD)/1 part</b>			
On right hand side of chassis		47914 <input checked="" type="checkbox"/>	3000
<b>Operation Counter</b>			
Operation Counter CDM		48535	8510

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# 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 MRP [₹]	3P Draw-Out Electrical Reference	Unit MRP [₹]	4P Draw-Out Manual Reference	Unit MRP [₹]	4P Draw-Out Electrical Reference	Unit MRP [₹]
800	SPS08F3PMW6L	158650	SPS08F3PEW6L	199150	SPS08F4PMW6L	198950	SPS08F4PEW6L	239450
1000	SPS10F3PMW6L	166230	SPS10F3PEW6L	206730	SPS10F4PMW6L	210460	SPS10F4PEW6L	250960
1250	SPS12F3PMW6L	185930	SPS12F3PEW6L	226430	SPS12F4PMW6L	237140	SPS12F4PEW6L	277640
1600	SPS16F3PMW6L	209750	SPS16F3PEW6L	250250	SPS16F4PMW6L	268430	SPS16F4PEW6L	308930

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

Rating in (A)	3P Draw-Out Manual Reference	Unit MRP [₹]	3P Draw-Out Electrical Reference	Unit MRP [₹]	4P Draw-Out Manual Reference	Unit MRP [₹]	4P Draw-Out Electrical Reference	Unit MRP [₹]
800	SPS08F3PMW2B	156850	SPS08F3PEW2B	197350	SPS08F4PMW2B	197150	SPS08F4PEW2B	237650
1000	SPS10F3PMW2B	164430	SPS10F3PEW2B	204930	SPS10F4PMW2B	208660	SPS10F4PEW2B	249160
1250	SPS12F3PMW2B	184130	SPS12F3PEW2B	224630	SPS12F4PMW2B	235340	SPS12F4PEW2B	275840
1600	SPS16F3PMW2B	207950	SPS16F3PEW2B	248450	SPS16F4PMW2B	266630	SPS16F4PEW2B	307130

### Draw-out Type switch disconnector without protection

Rating in (A)	3P Draw-Out Manual Reference	Unit MRP [₹]	3P Draw-Out Electrical Reference	Unit MRP [₹]	4P Draw-Out Manual Reference	Unit MRP [₹]	4P Draw-Out Electrical Reference	Unit MRP [₹]
800	SPS08F3PMW0D	144450	SPS08F3PEW0D	184950	SPS08F4PMW0D	184750	SPS08F4PEW0D	225250
1000	SPS10F3PMW0D	152030	SPS10F3PEW0D	192530	SPS10F4PMW0D	196260	SPS10F4PEW0D	236760
1250	SPS12F3PMW0D	171730	SPS12F3PEW0D	212230	SPS12F4PMW0D	222940	SPS12F4PEW0D	263440
1600	SPS16F3PMW0D	195550	SPS16F3PEW0D	236050	SPS16F4PMW0D	254230	SPS16F4PEW0D	294730

#### Note:

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

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

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



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

## Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit

Rating in (A)	3P Fixed Manual Reference	Unit MRP [₹]	3P Fixed Electrical Reference	Unit MRP [₹]	4P Fixed Manual Reference	Unit MRP [₹]	4P Fixed Electrical Reference	Unit MRP [₹]
800	SPS08F3PMF6L	121870	SPS08F3PEF6L	162370	SPS08F4PMF6L	148160	SPS08F4PEF6L	188660
1000	SPS10F3PMF6L	128300	SPS10F3PEF6L	168800	SPS10F4PMF6L	159080	SPS10F4PEF6L	199580
1250	SPS12F3PMF6L	147930	SPS12F3PEF6L	188430	SPS12F4PMF6L	184560	SPS12F4PEF6L	225060
1600	SPS16F3PMF6L	171300	SPS16F3PEF6L	211800	SPS16F4PMF6L	210990	SPS16F4PEF6L	251490

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

Rating in (A)	3P Fixed Manual Reference	Unit MRP [₹]	3P Fixed Electrical Reference	Unit MRP [₹]	4P Fixed Manual Reference	Unit MRP [₹]	4P Fixed Electrical Reference	Unit MRP [₹]
800	SPS08F3PMF2B	120070	SPS08F3PEF2B	160570	SPS08F4PMF2B	146360	SPS08F4PEF2B	186860
1000	SPS10F3PMF2B	126500	SPS10F3PEF2B	167000	SPS10F4PMF2B	157280	SPS10F4PEF2B	197780
1250	SPS12F3PMF2B	146130	SPS12F3PEF2B	186630	SPS12F4PMF2B	182760	SPS12F4PEF2B	223260
1600	SPS16F3PMF2B	169500	SPS16F3PEF2B	210000	SPS16F4PMF2B	209190	SPS16F4PEF2B	249690

## Fixed Type switch disconnector without protection

Rating in (A)	3P Fixed Manual Reference	Unit MRP [₹]	3P Fixed Electrical Reference	Unit MRP [₹]	4P Fixed Manual Reference	Unit MRP [₹]	4P Fixed Electrical Reference	Unit MRP [₹]
800	SPS08F3PMF0D	107670	SPS08F3PEF0D	148170	SPS08F4PMF0D	133960	SPS08F4PEF0D	174460
1000	SPS10F3PMF0D	114100	SPS10F3PEF0D	154600	SPS10F4PMF0D	144880	SPS10F4PEF0D	185380
1250	SPS12F3PMF0D	133730	SPS12F3PEF0D	174230	SPS12F4PMF0D	170360	SPS12F4PEF0D	210860
1600	SPS16F3PMF0D	157100	SPS16F3PEF0D	197600	SPS16F4PMF0D	196790	SPS16F4PEF0D	237290

**Note:** All Fixed type circuit breakers will be supplied with: (i) Vertical-vertical terminations. (ii) 1 No. Electrical fault indication Contact (SDE).

(iii) 1 No. Auxiliary contact block (OF) with 2 C/O contacts.

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

## Accessories

Pole Description	Rated Operational Current	Reference	Unit MRP [₹]
<b>Gear Motor (MCH)</b>			
AC 50/60 Hz	100/130 V	33176	42870
	200/240 V	33177	
	277/415 V	33179	
DC	24/30 V	33185	
	48/60 V	33186	
	100/125 V	33187	
	200/250 V	33188	
<b>Terminal Block</b>			
For Fixed circuit breaker		47074	230
For Drawout circuit breaker		33098	260
<b>ON/OFF Indication contacts (OF) 1Part</b>			
Changeover contact 6A	240V	47076	1250
<b>Ready to close contact</b>			
Changeover contact 5A	240V	47080	2840
<b>Door interlock (VPECD)/1 part</b>			
Right side of chassis		33172	3645

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# ASCO Power Technologies™

The **7000 SERIES** Automatic Transfer Bypass-Isolation Switch is intended for critical applications where continuous power is required

- Allows bypass-isolation without load interruption
- Primary transfer switch can be inspected, tested, and maintained without interrupting power to the load
- Transfer switch and bypass transfer switch have identical electrical ratings
- Available 150 to 4000 amps
- Draw out design allows for easy transfer switch maintenance
- Open Transition, closed Transition and Delayed Transition Designs



# Series 300 / 7000, Automatic Transfer Switch (ASCO)

7000/300 Series Power Transfer Switches are available open or enclosed, in ampacities ranging from 30 through 4000 amps (LV) & 1200 through 3000A (MV) with the largest selection of optional accessories offered anywhere. All switching configurations (OTTS, DTTS, CTTS) are available with an integrally mounted bypass-isolation switch.



Open/Closed/Delayed Transition with Bypass



Open/Closed/Delayed Transition Switch



UL /ANSI – 2 Section Medium Voltage ATS



IEC Design – 3 Section Medium Voltage ATS

# Series 300 / 7000, Automatic Transfer Switch (ASCO)

Frame	Rating(A)	Controller Type	Reference Number (4P, Overlapping Neutral)	Unit MRP [₹]	Controller Type	Reference Number (4P, Overlapping Neutral)	Unit MRP [₹]
D	30	Series 7000 Group 5 Controller	D07ATSC30030K500	On Request	Series 300 Group G Controller	D03ATSC30030KG00	On Request
	70		D07ATSC30070K500	On Request		D03ATSC30070KG00	On Request
	104		D07ATSC30100K500	On Request		D03ATSC30104KG00	On Request
	150		D07ATSC30150K500	On Request		D03ATSC30150KG00	On Request
	200		D07ATSC30200K500	On Request		D03ATSC30200KG00	On Request
J	230		D07ATSC30230K500	On Request		D03ATSC30230KG00	On Request
	260		J07ATSC30260K500	On Request		J03ATSC30260KG00	On Request
	400		J07ATSC30400K500	On Request		J03ATSC30400KG00	On Request
H	600		J07ATSC30600K500	On Request		J03ATSC30600KG00	On Request
	800		H07ATSC30800K500	On Request		H03ATSC30800KG00	On Request
	1000		H07ATSC31000K500	On Request		H03ATSC31000KG00	On Request
G	1200		H07ATSC31200K500	On Request		H03ATSC31200KG00	On Request
	1600		G07ATSC31600K500	On Request		G03ATSC31600KG00	On Request
	2000		G07ATSC32000K500	On Request		G03ATSC32000KG00	On Request
	2600		G07ATSC32600K500	On Request		G03ATSC32600KG00	On Request
	3000		G07ATSC33000K500	On Request		G03ATSC33000KG00	On Request
G	3200		G07ATSC33200K500	On Request		G03ATSC33200KG00	On Request
G	4000		G7ATSC34000K5X40RM	On Request		Not Available	Not Available

- UL 1008 Listed for Highest Performance
- Fast & Consistent Transfer (Less than 100ms)
- Single Solenoid True Double throw Design
- Withstanding & Closing On Fault Currents (WCR)
- Neutral Overlap to eliminate Voltage Transients
- In-Phase Monitor to avoid Motor Inrush current
- Engine Start/Stop, AMF Logic & Time Delay Setting
- Programmable Daily/Weekly Engine Exerciser
- 4 Line LCD + LED Display
- 99 Events Log & Diagnostics with Date/Time
- Statistical ATS System Monitoring Information
- Communication Compatible (Modbus/Ethernet)

- Price of 2P, 3P & 4P with solid neutral / Switched Neutral available on request
- ATS with stand alone Type Tested NEMA Enclosure available on request
- For Series 7000 Close Transition, Bypass Option & Medium Voltage ATS offer please contact nearest Sales Office

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

NORMAL STOCK ITEMS



W.E.F. January 11, 2021






# Series 230, Automatic Transfer Switch (ASCO)

- Confirming to IEC 60947-6-1
- Built-in Microprocessor controller
- Utilization Category AC-32A & AC-33B
- Mechanical Endurance : 10,000 cycles across all ratings.
- Highest short circuit withstand current with CB back-up protection.
- Fire control input signal
- 3rd party type tested for entire range.



Frame	Rating(Amp)	Controller Type	Reference Number	Unit MRP [₹]	Poles
	16	<b>C300</b>  • Under/Over Voltage • Under/Over Frequency • Time Delay • Engine start/stop • RS485 Port (optional) • LED Display	A2ADTLB30016KB	34500	4P
	32		A2ADTLB30032KB	34750	
	63		A2ADTLB30063KB	36250	
	80		A2ADTLB30080KB	38150	

Frame	Rating (Amp)	Controller Type	Reference Number	Unit MRP [₹]	Controller Type	Reference Number	Unit MRP [₹]	Poles
	100	<b>C1000</b> 	B2ADTLB30100KD	47850	<b>C2000</b> 	B2ADTLB30100KE	76850	4P
	125		B2ADTLB30125KD	48575		B2ADTLB30125KE	77575	
	160		B2ADTLB30160KD	54375		B2ADTLB30160KE	83375	
C2ADTL	200	• Under/Over Voltage • Under/Over Frequency • Phase Rotation • Voltage Unbalance • Time Delay • Engine start/stop • LED + LCD Display • RS485 Port Standard • Event Logging • Priority Source Swapping	C2ADTLB30200KD	85300	C2ADTLB30200KE	114300	4P	
	225		C2ADTLB30225KD	90600	C2ADTLB30225KE	119600		
	250		C2ADTLB30250KD	92900	C2ADTLB30250KE	121900		
D2ADTL	315	• Under/Over Voltage • Under/Over Frequency • Time Delay Engine start/stop • LED Display • RS485 Port (optional)	D2ADTLB30315KD	101750	D2ADTLB30315KE	130750	4P	
	400		D2ADTLB30400KD	110800	D2ADTLB30400KE	139800		
E2ADTL	500	• Under/Over Voltage • Under/Over Frequency • Time Delay Engine start/stop • LED Display • RS485 Port (optional)	E2ADTLB30500KD	141375	E2ADTLB30500KE	170375	4P	
	630		E2ADTLB30630KD	148625	E2ADTLB30630KE	177625		
	800		E2ADTLB30800KD	189600	E2ADTLB30800KE	218600		

\* For 2P (A2ADTL) & 3P ATS, please contact us.

## Series 230 Accessories

### 72 D

C300 or C1000 Controller with RS-485 Interface. A RS 485 interface installed in the C300 or C1000 controller to enable serial communications, supporting MODBUS protocol. This accessory can only be installed in the factory. Use accessory code 72D when ordering this function



4 Pole Bridging Busbar



Auxiliary Contact



72 D

Accessory Type	Description	Reference Number	Unit MRP [₹]
LAP1F100	Aux.Contact (NO)	972970	725
LAP1F010	Aux.Contact (NC)	972970-001	725
132JC	4P Bridging Busbar for B2ADTL Frame	972971-002	On Request
72D	Modbus communication Port	On Request	On Request

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

NORMAL STOCK ITEMS

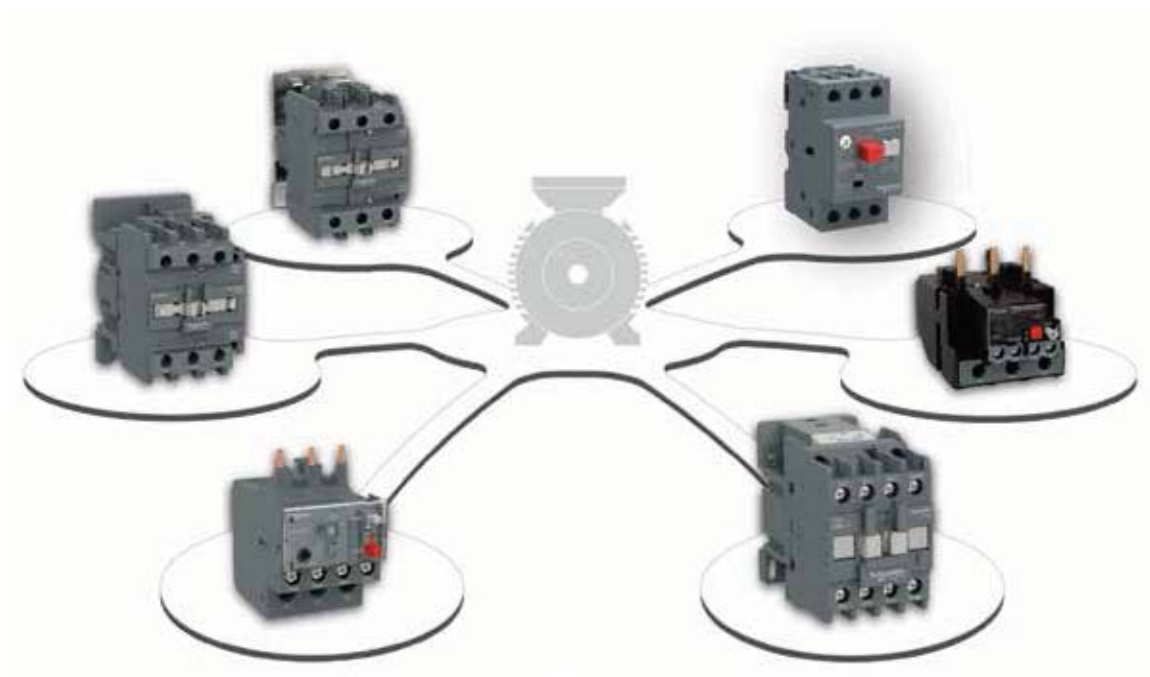
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# EasyPact TVS

The Easy choice for simplicity and flexibility

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



EasyPact TVS  
Catalogue

**Designed for the Essential**



Selection Charts for  
Motor Feeders for  
IE2/IE3 Motors with  
EasyPact TVS

# EasyPact TVS

## Power Contactors - ETVS(3 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 6A to 630A, AC-3 Rating
- Type 2 RSC available with Fuse, MPCB and MCCB

Frame	[Ie] Rated Operational Current		Motor Power at 415V, 3Ph, 50Hz		Auxiliary Contacts		Reference	Unit MRP [₹]
	AC-1	AC-3	HP	kW	NO	NC		
FRAME-1	20	6	3	2.2	-	1	LC1E0601* <input checked="" type="checkbox"/>	950
					1	-	LC1E0610* <input checked="" type="checkbox"/>	
	25	9	5.5	4	-	1	LC1E0901* <input checked="" type="checkbox"/>	980
					1	-	LC1E0910* <input checked="" type="checkbox"/>	
	25	12	7.5	5.5	-	1	LC1E1201* <input checked="" type="checkbox"/>	1115
1					-	LC1E1210* <input checked="" type="checkbox"/>		
32	18	12	9	-	1	LC1E1801* <input checked="" type="checkbox"/>	1285	
				1	-	LC1E1810* <input checked="" type="checkbox"/>		
FRAME-2	36	25	15	11	-	1	LC1E2501* <input checked="" type="checkbox"/>	1755
					1	-	LC1E2510* <input checked="" type="checkbox"/>	
	50	32	20	15	-	1	LC1E3201* <input checked="" type="checkbox"/>	3675
					1	-	LC1E3210* <input checked="" type="checkbox"/>	
	50	38	25	18.5	-	1	LC1E3801* <input checked="" type="checkbox"/>	4340
1					-	LC1E3810* <input checked="" type="checkbox"/>		
50	40	29	22	-	1	LC1E40B01**	4630	
FRAME-3	60	40	29	22	1	1	LC1E40* <input checked="" type="checkbox"/>	5675
	70	50	34	25/30	1	1	LC1E50* <input checked="" type="checkbox"/>	6900
	80	65	50	37	1	1	LC1E65* <input checked="" type="checkbox"/>	9350

Frame	[Ie] Rated Operational Current		Motor Power at 415V, 3Ph, 50Hz		Auxiliary Contacts		Reference	Unit MRP [₹]
	AC-1	AC-3	HP	kW	NO	NC		
FRAME-4	110	80	60	45	1	1	LC1E80* <input checked="" type="checkbox"/>	12155
	120	95	60	45	1	1	LC1E95* <input checked="" type="checkbox"/>	14580
FRAME-5	150	120	75	55	1	1	LC1E120* <input checked="" type="checkbox"/>	17365
	200	160	120	90	1	1	LC1E160* <input checked="" type="checkbox"/>	22930
FRAME-6	250	200	150	110	-	-	LC1E200* <input checked="" type="checkbox"/>	31555
	300	250	175	132	-	-	LC1E250* <input checked="" type="checkbox"/>	41585
FRAME-7	320	300	215	160	-	-	LC1E300* <input checked="" type="checkbox"/>	49785
	500	400	295	220	-	-	LC1E400* <input checked="" type="checkbox"/>	63285
FRAME-8	700	500	375	280	-	-	LC1E500* <input checked="" type="checkbox"/>	89140
FRAME-9	1000	630	500	375	-	-	LC1E630* <input checked="" type="checkbox"/>	126550

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### Spare Coil for Contactors

Contactors	Reference
<b>3 Pole Contactors</b>	
LC1E06...E25	LAEX12**
LC1E32/E38	LAEX2**
LC1E40/E65	LAEX3**
LC1E80/E95	LAEX4**
LC1E120/E160	LAEX5**
LC1E200/E250	LAEX6**
LC1E300	LAEX7**

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

\*\* For more information contact regional sales office

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

NORMAL STOCK ITEMS

### Coil Voltage Code

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

Please check with customer care for price and availability of non standard voltages

# EasyPact TVS

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



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 20A to 125A, AC-1 rating
- Available in 4NO and 2NO+2NC Power Pole combination
- Wide Band Coil for all ratings in 220 & 415V AC

Frame	AC-1 Rating	Power Poles	Reference	Unit MRP [₹]	Power Poles	Reference	Unit MRP [₹]
FRAME-1	20	4NO	LC1E06004*IN	1200	2NO + 2NC	LC1E06008*IN	1435
	25	4NO	LC1E09004*IN	1270	2NO + 2NC	LC1E09008*IN	1545
	32	4NO	LC1E12004*IN	1325	2NO + 2NC	LC1E12008*IN	1655
	40	4NO	LC1E18004*IN	1655	2NO + 2NC	LC1E18008*IN	1665
FRAME-2	50	4NO	LC1E25004*IN	2095	2NO + 2NC	LC1E25008*IN	2975
	55	4NO	LC1E32004*IN	3530	2NO + 2NC	LC1E32008*IN	4740
	60	4NO	LC1E38004*IN	4135	2NO + 2NC	LC1E38008*IN	5845
FRAME-3	75	4NO	LC1E40004*IN	6565	2NO + 2NC	LC1E40008*IN	8820
	85	4NO	LC1E65004*IN	8880	2NO + 2NC	LC1E65008*IN	11025

Frame	AC-1 Rating	Power Poles	Reference	Unit MRP [₹]	Power Poles	Reference	Unit MRP [₹]
FRAME-4	110	4NO	LC1E80004*IN	11245	2NO + 2NC	LC1E80008*IN	15655
	125	4NO	LC1E95004*	12680			

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

## Control Relays - CAE, Conformance to IEC60947-5-1, CE Marking

Auxiliary Contacts		Reference	Unit MRP [₹]
NO	NC		
4	0	CAE40*	1050
3	1	CAE31*	
2	2	CAE22*	

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

## Spare Coil for Contactors

Contactors	Reference
<b>4 Pole Contactors</b>	
LC1E0600*....LC1E1800*	LAEX1T**
LC1E2500*....LC1E3800*	LAEX2T**
LC1E4000*....LC1E9500*	LAEX4T**
<b>Control Contactors</b>	
CAE*	LAEX12**

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

## Coil Voltage Code

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

### Note:

For non standard voltages please consult Customer Care for prices

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

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

NORMAL STOCK ITEMS

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## Accessories - For ETVS Contactors

Description	For Use with	Mounting	Contacts	Reference	Unit MRP [₹]
Auxiliary contact block	LC1E06..E630 & LC1E0600..E9500	FRONT	1NO+1NC	LAEN11 <input checked="" type="checkbox"/>	305
			2NO	LAEN20 <input checked="" type="checkbox"/>	
			2NC	LAEN02 <input checked="" type="checkbox"/>	360
			2NO+2NC	LAEN22 <input checked="" type="checkbox"/>	
			4NO	LAEN40 <input checked="" type="checkbox"/>	560
Star delta timer	LC1E25..E630			LAETSD <input checked="" type="checkbox"/>	2535

# For 415v control supply please contact customer care team

Description	For Use with	Coil Voltage	Reference	Unit MRP [₹]
Surge suppressor*	LC1E06...E95	24..48V AC	LAERCE	975
	LC1E06...E95	110..240V AC	LAERCU	715

\*For higher rating contactors, contact nearest sales office

Description	For Use with	Reference	Unit MRP [₹]
Mechanical Interlock	LC1E06..E65 & LC1E0600*..E3800*	LAEM1	635
	LC1E80/E95 & LC1E4000*...LC1E9500*	LAEM4	2070
	LC1E120..E160	LAEM5	3860
	LC1E200/E250	LAEM6	3935

\*Reference to be completed by adding coil voltage

### 3 Pole Accessories compatibility

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

### 4 Pole Accessories compatibility

Contactor	LAEN**	LAEM	LAERC*
LC1E06	1	1	1
LC1E09			
LC1E12			
LC1E18			
LC1E25			
LC1E32			
LC1E38			
LC1E40			
LC1E50			
LC1E65			
LC1E80			
LC1E95			

### Control Relay Accessories Compatibility

Control Relay	LAEN*	LAERC
CAE	1 of LAEN11 or LAEN20 or LAEN02 or LAEN22	1

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

NORMAL STOCK ITEMS

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# EasyPact TVS

## Thermal Overload Relay - ETVS



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

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP [₹]
<b>LRE</b>			
0.25...0.4	E06...E38	LRE03	1665
0.4...0.63	E06...E38	LRE04	
0.63...1	E06...E38	LRE05 <input checked="" type="checkbox"/>	
1...1.6	E06...E38	LRE06 <input checked="" type="checkbox"/>	
1.6...2.5	E06...E38	LRE07 <input checked="" type="checkbox"/>	
2.5...4	E06...E38	LRE08 <input checked="" type="checkbox"/>	
4...6	E06...E38	LRE10 <input checked="" type="checkbox"/>	
5.5...8	E09...E38	LRE12 <input checked="" type="checkbox"/>	
7...10	E09...E38	LRE14 <input checked="" type="checkbox"/>	
9...13	E12...E38	LRE16 <input checked="" type="checkbox"/>	
12...18	E18...E38	LRE21 <input checked="" type="checkbox"/>	1845
16...24	E25...E38	LRE22 <input checked="" type="checkbox"/>	2135
23...32	E25...E38	LRE32 <input checked="" type="checkbox"/>	2855
30...38	E38	LRE35 <input checked="" type="checkbox"/>	3210
17...25	E40...E95	LRE322	3625
23...32	E40...E95	LRE353	
30...40	E40...E95	LRE355	
37...50	E50...E95	LRE357 <input checked="" type="checkbox"/>	
48...65	E65...E95	LRE359	

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP [₹]
<b>LRE</b>			
55...70	E80...E95	LRE361	5520
63...80	E80...E95	LRE363	5645
80...104	E95	LRE365	
51...81	E120...E300	LRE480	10575
62...99	E120...E300	LRE481	
84...135	E120...E300	LRE482	
124...198	E160...E300	LRE483	
146...234	E200...E300	LRE484	
174...279	E250...E300	LRE485	
208...333	E300	LRE486	11520
258...414	E300...E400	LRE487	14015

## Accessories for Relay

Accessory	For Relay	Reference	Unit MRP [₹]
Separate Mounting Block	LRE01...LRE35	LAEB1	575
	LRE322...LRE365	LAEB3	1325

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# EasyPact TVS

## Circuit Breaker for Motor Protection - GZ1E - Pushbutton control



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

## Motor Protection Circuit Breaker - ETVS

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range (A)	Reference	Unit MRP [₹]	
	kW	HP				
<b>GZ1-E Thermal Magnetic - With Pushbutton Control</b>						
100 kA	-	-	0.1 - 0.16	GZ1E01	3025	
	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		3520
	0.55	0.75	1.0 - 1.6	GZ1E06		3450
	0.75	1	1.6 - 2.5	GZ1E07		
	1.1	2	2.5 - 4	GZ1E08		3585
	2.2	3	4 - 6.3	GZ1E10		
	3	5.5	6 - 10	GZ1E14		3825
10 kA*	5.5	7.5	9 - 14	GZ1E16	4310	
	7.5	10	13 - 18	GZ1E20	4685	
	9	12.5	17 - 23	GZ1E21	4940	
	11	15	20 - 25	GZ1E22	5185	
	15	20	24 - 32	GZ1E32	9255	

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection (A)	Reference	Unit MRP [₹]
	kW	HP			
<b>GZ1-LE Magnetic- With Pushbutton Control</b>					
100 kA	0.09	-	0.4	GZ1LE03	2500
	0.18	-	0.63	GZ1LE04	
	0.37	0.5	1	GZ1LE05	
	0.55	0.75	1.6	GZ1LE06	
	0.75	1	2.5	GZ1LE07	
	1.1	2	4	GZ1LE08	
	2.2	3	6.3	GZ1LE10	
	3	5.5	10	GZ1LE14	
10 kA*	5.5	7.5	14	GZ1LE16	2700
	7.5	10	18	GZ1LE20	
	11	15	25	GZ1LE22	
	15	20	32	GZ1LE32	

\*50kA With current Limiter type GV1L3

## Accessories - ETVS Circuit Breaker for Motor Protection

Description	Mounting	Contacts	Reference	Unit MRP [₹]
Auxillary Contact Block	LH side Mounted	1NO+1NC	GZ1AN11	560
		2NO	GZ1AN20	600

Description	Mounting	Range	Reference	Unit MRP [₹]
<b>Electric Trips</b>				
Undervoltage	RH Side Mounted	110...115V	50Hz	GZ1AU115
		220...240V	50Hz	GZ1AU225
		380...400V	50Hz	GZ1AU385
Shunt trip		110...115V	50Hz	GZ1AS115
		220...240V	50Hz	GZ1AS225

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

NORMAL STOCK ITEMS

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## Start smart, run smart, stay smart with TeSys

Solutions that switch, protect,  
control, and monitor motors



How do everlinks  
improve power  
connection reliability?

For more information on  
switching and motor  
management scan!



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

Life Is On

**Schneider**  
Electric

# TeSys Range

The most comprehensive solution for switching and motor management.



## Switch Disconnectors

Vario



## Protection

Circuit Breakers

TeSys GV Circuit Breakers



Relays

Thermal protection



All-in-one



## Control

Contactors

From 6A to 2750A



Low Consumption versions



Starters and Motor Starters



# TeSys Range



## Monitor



For standard application

TeSys U



TeSys island



TeSys T

The flexible motor management system for all applications and motors up to 810A (AC3)



## Enclosed

DOL starters with manual control



Vario



Mini Vario



GV2M



GV2P/3P

Starters



LE-up to 30kW/400V

For DOL starters and safety applications



LG, LJ



GV2M



## Specific Applications

For protection

Thermistor Protection unit



LT3

Advanced Motor Protection relay



Digital EOCR

Electromechanic overcurrent relay



EOCRSS

Transformers and high current peak



GV2RT

Single pole magnetic over current relay



RM1

Fuse solution



GK1

For control

For wind turbine UPS panels



F

For very small machines



SK

For capacitors



D





Machine builders, it is time to cut engineering time and costs — DIGITIZE load management

## TeSys island

### Unique features

TeSys island is a smart, digital multifunctional load management system; it can switch, protect, manage motors and other electrical loads up to 80 Amps (AC3) in an electrical control panel.

### Benefits

Why should you choose TeSys island?

- Quicker engineering and reduce time to market
- Embedded algorithms detect abnormal load behaviors and generate alarms before machine stoppage.
- Pre-trip warnings can also be set on the system for scheduled maintenance.
- Fast device replacement on any portion of the island is possible because of the full integration of the system and the integrated Bus coupler resulting in reduced downtime.
- TeSys island provides energy monitoring at the load level
- Health status can be easily accessed, remotely or locally. This energy management data can be used for advanced analytics to increase machine efficiency further
- TeSys island can be easily integrated into Schneider Electric's EcoStruxure Machine architecture and 3rd party automation systems, supporting all major fieldbuses.





# TeSys Range

## Enable smarter design and engineering

### Efficient

Make your machines intelligent, save time and costs with intuitive programming and commissioning using TeSys avatars. Simplify software integration within all major automation environments. One-click mounting on DIN rail and no need for control wiring.

### Enable new business models

Use load data and status information to create new service enabled business models. Access your machine from remote during operation & maintenance.

### A data provider

Get relevant data for digital load management & advanced analytics. Monitor energy at load level, remote users can easily check health status, troubleshoot and diagnose issues and take action, reduce machine stoppages and machine downtime.

### Improved security

Benefit from the highest cybersecurity and safety levels. Safety IO / Scalable with embedded diagnostic.

## Technical specifications

- System consists of DOL Starters & Input / Output modules
- System manages motors and other electrical loads up to 80A/37kW/50hp
- Up to 20 modules / 1 meter at one bus coupler
- No mechanical adjustments/settings required
- International standards-compliant
- Energy monitoring at the load level
- Only 21 commercial references for the complete system, including 5 standard motor starters and 5 functional safety motor starters
- Cybersecurity embedded into the system (Achilles Level 2 & Safety up to Cat 2)
- Safety stop TUV certified (Stop 0 and 1 with wiring categories 1 to 2, suitable for PL c,d (Performance Level) and SIL level 2)
- Open connectivity thanks to Ethernet IP and Modbus TCP fieldbuses

# TeSys Control Range

TeSys Control Range	Frame Size	Rated operational current AC-1	AC-3 Duty			Aux Contacts	AC control Reference	Unit MRP [₹]	DC Control Reference	Unit MRP [₹]	
			kW	HP	A						
TeSys K	K1	-	3	-	6	1NO/NC	LC1K06*	1100	LP1K06**	1700	
		-	5.5	-	9	1NO/NC	LC1K09*	1150	LP1K09**	1850	
		-	7.5	-	12	1NO/NC	LC1K12*	1300	LP1K12**	2150	
		-	10	-	16	1NO/NC	LC1K16*	1535	-	-	
TeSys D	D1	32	9	12.5	18	1NO + 1NC	LC1D18*	1860	LC1D18**	3200	
		40	11	15	25	1NO + 1NC	LC1D25*	2300	LC1D25**	4050	
	D2	50	15	20	32	1NO + 1NC	LC1D32*	4475	LC1D32**	8250	
		50	18.5	25	38	1NO + 1NC	LC1D38*	6450	LC1D38**	9750	
	D3	60	22	30	40	1NO + 1NC	LC1D40A*	6700	LC1D40A#	11000	
		80	25	35	50	1NO + 1NC	LC1D50A*	8650	LC1D50A#	13800	
		80	37	50	65	1NO + 1NC	LC1D65A*	12000	LC1D65A#	15650	
		80	37	50	80	1NO + 1NC	LC1D80A*	15000	LC1D80A#	19000	
		D4	125	45	60	80	1NO + 1NC	LC1D80*	18500	LC1D80**	19300
			125	45	60	95	1NO + 1NC	LC1D95*	19500	LC1D95**	21150
	250	59	80	115	1NO + 1NC	LC1D115*	24000	LC1D115**	25000		
	250	80	110	150	1NO + 1NC	LC1D150*	30000	LC1D150**	30000		

TeSys Control Range	[Ie] Rated Operational Current AC-1	AC-3 DUTY			Reference <sup>(1) (2)</sup>	Unit MRP [₹]
		kW	HP	A		
TeSys F	275	100	135	185	LC1F185	32355
	315	110	150	225	LC1F225	35245
	350	140	190	265	LC1F265	42755
	400	180	245	330	LC1F330	53160
	500	220	300	400	LC1F400	58360
	700	280	380	500	LC1F500	83780
	1000	375	500	630	LC1F630	134050
	1000	450	610	800	LC1F800	208010
	1250	630	840	1000	LC1F1000	360545

**Note:**

- (1) Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately. (Coil includes 1NO contact)
- (2) Please select coils from Page 104.

## Coil Voltage Code

Type	Voltage	24	110	220	415
AC*	LC1K06-K16, LC1D09-D150 50/60Hz	B7	F7	M7	N7
DC**	LP1K06-K12, LC1D09-38, LC1D80-150	BD	FD	MD	

Type	Voltage	24V DC Low consumption	24-60V AC/DC	48-130V AC/DC	100-250V AC/DC
TeSys D Green#	LC1D40A-80A	BBE	BNE	EHE	KUE

**Note:**

- (1) For Non standard coil voltage price please contact customer care.
- (2) Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team.



How to ensure reliability of contacts?

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

NORMAL STOCK ITEMS

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## Control Relays - K Model (AC & DC Control)



- Conformance IEC, UL, CSA, CE Marking
- Inbuilt 4 auxiliary contacts
- 10A thermal rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options

No of Poles	AC Control Reference	Unit MRP [₹]	DC Control Reference <sup>(4)</sup>	Unit MRP [₹]	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit MRP [₹]
2NO + 2NC	CA2KN22*	1310	CA3KN22**	1810	CA4KN22***	2250
3NO + 1NC	CA2KN31*		CA3KN31**		CA4KN31***	
4NO	CA2KN40*		CA4KN40***			

- (1) Compatible with PLC outputs  
 (2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard  
 (3) 2 pole auxiliary contact block can be mounted additionally  
 (4) Optional in-built surge suppressor available

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



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

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference <sup>(5)</sup>	Unit MRP [₹]
6	3	1NC	LC1K0601*	1100	LP1K0601**	1700
		1NO	LC1K0610*		LP1K0610**	
9	5.5	1NC	LC1K0901*	1150	LP1K0901**	1850
		1NO	LC1K0910*		LP1K0910**	
12	7.5	1NC	LC1K1201*	1300	LP1K1201**	2150
		1NO	LC1K1210*		LP1K1210**	
16	10	1NC	LC1K1601*	1535	-	-
		1NO	LC1K1610*		-	-

(5) For low consumption offer, please contact regional sales office

## Reversing Contactors - K Model



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

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit MRP [₹]
6	3	1NC	LC2K0601*	3660
		1NO	LC2K0610*	
9	5.5	1NC	LC2K0901*	3910
		1NO	LC2K0910*	
12	7.5	1NC	LC2K1201*	4025
		1NO	LC2K1210*	
16	10	1NC	LC2K1601*	4495
		1NO	LC2K1610*	

\* Reference to be completed by adding coil voltage code  
 (6) For current rating and ref please contact Customer Care

## Coil Voltage Code

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

Note: (1) For Non standard coil voltage prices please contact customer care.  
 (2) Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team rating.

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

☑ NORMAL STOCK ITEMS

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## Accessories - K Model

Description	Mounting	Contacts	Reference	Unit MRP [₹]
Auxiliary contact block	Front	2NC	LA1KN02	485
		1NO + 1NC	LA1KN11 <input checked="" type="checkbox"/>	445
		2NO	LA1KN20	485
		4NC	LA1KN04	755
		1NO + 3NC	LA1KN13	
		2NO + 2NC	LA1KN22 <input checked="" type="checkbox"/>	
		3NO + 1NC	LA1KN31	
		4NO	LA1KN40	

Description	Control Voltage	Range	Reference	Unit MRP [₹]
On Delay Electronic Timer	24..48V AC/DC	1..30S	LA2KT2E(1)	2485
	110..240V AC	1..30S	LA2KT2UA(1)	

Description	Coil Voltage	Reference	Unit MRP [₹]
Surge Suppressor - RC Circuit	220..250V AC	LA4KA1U*	775
Surge Suppressor - Varistor	130..250V AC/DC	LA4KE1UG*	
Surge Suppressor - Varistor	50..129V AC/DC	LA4KE1FC*	

\* Lot size 5

(1) Front mounted with common point changeover contact

## Control Relays - D Model (AC & DC Control)



- Conformance to IEC, UL, CSA
- 5 inbuilt auxiliary contacts, in just 2 variants
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature upto 60 Deg C
- Inbuilt surge suppressor for DC & DC low consumption

No of Poles	AC Control Reference	Unit MRP [₹]	DC Control Reference <sup>(2)</sup>	Unit MRP [₹]	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit MRP [₹]
3NO + 2NC	CAD32*	1400	CAD32**	2000	CAD32***	2500
5NO	CAD50*		CAD50**		CAD50***	

(1) Compatible with PLC outputs

(2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard

(3) 2 pole auxiliary block can be mounted

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



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

[Ie] Rated Operational Current AC-1	AC-3 Duty			Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference <sup>(1)</sup>	Unit MRP [₹]
	kW	HP	A					
25	4	5.5	9	1NO + 1NC	LC1D09* <input checked="" type="checkbox"/>	1425	LC1D09** <input checked="" type="checkbox"/>	2310
	5.5	7.5	12	1NO + 1NC	LC1D12* <input checked="" type="checkbox"/>	1600	LC1D12** <input checked="" type="checkbox"/>	2600
32	9	12.5	18	1NO + 1NC	LC1D18* <input checked="" type="checkbox"/>	1860	LC1D18** <input checked="" type="checkbox"/>	3200
40	11	15	25	1NO + 1NC	LC1D25* <input checked="" type="checkbox"/>	2300	LC1D25** <input checked="" type="checkbox"/>	4050
	15	20	32	1NO + 1NC	LC1D32* <input checked="" type="checkbox"/>	4475	LC1D32** <input checked="" type="checkbox"/>	8250
50	18.5	25	38	1NO + 1NC	LC1D38* <input checked="" type="checkbox"/>	6450	LC1D38** <input checked="" type="checkbox"/>	9750
	22	30	40	1NO + 1NC	LC1D40A* <input checked="" type="checkbox"/>	6700	LC1D40A#	11000
80	25	35	50	1NO + 1NC	LC1D50A* <input checked="" type="checkbox"/>	8650	LC1D50A#	13800
80	37	50	65	1NO + 1NC	LC1D65A* <input checked="" type="checkbox"/>	12000	LC1D65A#	15650
80	37	50	80	1NO + 1NC	LC1D80A* <input checked="" type="checkbox"/>	15000	LC1D80A#	19000
	45	60	80	1NO + 1NC	LC1D80* <input checked="" type="checkbox"/>	18500	LC1D80**	19300
125	45	60	95	1NO + 1NC	LC1D95* <input checked="" type="checkbox"/>	19500	LC1D95**	21150
	59	80	115	1NO + 1NC	LC1D115* <input checked="" type="checkbox"/>	24000	LC1D115**	25000
250	80	110	150	1NO + 1NC	LC1D150* <input checked="" type="checkbox"/>	30000	LC1D150**	30000

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

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

NORMAL STOCK ITEMS

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

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

[Ie] Rated Operational Current AC-1	Motor Power AC-3			Auxiliary contacts	Reference	Unit MRP [₹]
	kW	HP	A			
25	4	5.5	9	1NO + 1NC	LC1D09**** <input checked="" type="checkbox"/>	2400
	5.5	7.5	12	1NO + 1NC	LC1D12**** <input checked="" type="checkbox"/>	2680
32	9	12.5	18	1NO + 1NC	LC1D18**** <input checked="" type="checkbox"/>	4100
40	11	15	25	1NO + 1NC	LC1D25**** <input checked="" type="checkbox"/>	5000
50	15	20	32	1NO + 1NC	LC1D32**** <input checked="" type="checkbox"/>	8550

[Ie] Rated Operational Current AC-1	Motor Power AC-3			Auxiliary contacts	Reference	Unit MRP [₹]
	kW	HP	A			
60	22	30	40	1NO + 1NC	LC1D40A#	11000
80	25	35	50	1NO + 1NC	LC1D50A#	13800
80	37	50	65	1NO + 1NC	LC1D65A#	15650
80	37	50	80	1NO + 1NC	LC1D80A#	19000

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

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



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

[Ie] Rated Operational Current AC-1	Poles Composition	AC control Reference	Unit MRP [₹]	DC control Reference	Unit MRP [₹]
20	4NO	-	-	LC1DT20**	2655
	2NO + 2NC	-	-	LC1D098**	2890
25	4NO	-	-	LC1DT25**	3180
	2NO + 2NC	-	-	LC1D128**	4160
32	4NO	-	-	LC1DT32**	3500
	2NO + 2NC	-	-	LC1D188**	4735
40	4NO	-	-	LC1DT40**	5490
	2NO + 2NC	-	-	LC1D258**	7235
60	4NO	-	-	LC1DT60A#	10985
	2NO + 2NC	-	-	LP1D40008**	14440

[Ie] Rated Operational Current AC-1	Poles Composition	AC control Reference	Unit MRP [₹]	DC control Reference	Unit MRP [₹]
80	4NO	-	-	LC1DT80A#	16390
	2NO + 2NC	-	-	LP1D65008**	19405
125	4NO	-	-	LP1D80004**	21020
	2NO + 2NC	-	-	LP1D80008**	24255
250	4NO	LC1D1150046*	26500	LC1D1150046**	29440

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

## Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CAD, LC1D09-D150 50/60 Hz	B7			F7	M7	N7
	LC1D1150046 50/60 Hz				F7	M7	N7
DC**	CAD, LC1D09-D38, LC1D80-D150	BD			FD	MD	
	LC1DT20-DT40, LC1D098-D258, LP1D40-D80, LC1D115	BD			FD	MD	
DC Low Consumption***	CAD	BL			FL	ML	
	LC1D09-D32	BL	EL	SL			

Type	Voltage	24V DC Low consumption	24-60V AC/DC	48-130V AC/DC	100-250V AC/DC
TeSys D Green#	LC1D40A-80A, LC1DT60A-DT80A	BBE	BNE	EHE	KUE

**Note:** Please contact Customer Care for 4 Pole AC coil contactor details

For Non standard coil voltage prices please contact customer care

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

(2) Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

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

NORMAL STOCK ITEMS

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# TeSys D Green

## The Revolutionary Electronic Coil Contactor



Green  
Premium™  
Product

**New**  
80A AC3  
offer available  
in 55mm frame



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



**Reliability** - Improved under voltage performance, low contact bounce.



**Efficiency** - 80% less coil consumption, reduced heat dissipation



**Productivity** - Easier integration with automation architectures



**Flexibility** - Wide voltage bands, eliminate surge suppressor



Scan to see TeSys D Green under voltage performance.

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



- Current Rating: 9-65A
- Universal AC/DC coil from 24 - 250V
- Special low consumption offer from 40-80A
- Fuseless Type 2 Co-ordination charts available

### The Revolutionary Electronic Coil Contactor

[Ie] Rated Operational Current AC-1	AC-3 Duty (Long Life)			Auxiliary Contacts	Reference	Unit MRP [₹]
	kW	HP	A			
25	4	5.5	9	1NO + 1NC	LC1D09*	2850
	5.5	7.5	12	1NO + 1NC	LC1D12*	2950
32	9	12.5	18	1NO + 1NC	LC1D18*	3900
40	11	15	25	1NO + 1NC	LC1D25*	4650
50	15	20	32	1NO + 1NC	LC1D32*	9450
	18.5	25	38	1NO + 1NC	LC1D38*	10200
60	22	30	40	1NO + 1NC	LC1D40A*	11000
80	25	35	50	1NO + 1NC	LC1D50A*	13800
80	37	50	65	1NO + 1NC	LC1D65A*	15650
	37	50	80	1NO + 1NC	LC1D80A*	19000
60	22	30	40	1NO + 1NC	LC1D40A*	11000
80	25	35	50	1NO + 1NC	LC1D50A*	13800
80	37	50	65	1NO + 1NC	LC1D65A*	15650
	37	50	80	1NO + 1NC	LC1D80A*	19000

### Power Contactors - TeSys D Green (4 Pole AC & DC Control)

[Ie] Rated Operational Current AC-1	Poles Composition	Auxiliary Contacts	DC control Reference	Unit MRP [₹]
60	4NO	1NO + 1NC	LC1DT60A*	10985
80	4NO	1NO + 1NC	LC1DT80A*	16390

### Coil Voltage Code

Type	Voltage	24-60V AC/DC	48-130V AC/DC	100-250V AC/DC
AC/DC*	LC1D09 - D38, LC1D40A - 80A, LC1DT60A - 80A	BNE	EHE	KUE
24V DC Low Consumption*	LC1D40A - 80A, LC1DT60A - 80A	BBE (24V DC only)		

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team



Check the features of the TeSys D Green

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

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Description	For use with	Reference	Unit MRP [₹]
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### Power connection accessories

Terminal block	For supply to one or more GV2 G busbar sets	GV1G09	1780
Set of 63A busbars for paralleling of contactors	2 contactors LC1D09...D18 or D25...D38	GV2G245	1380
	4 contactors LC1D09...D18 or D25...D38	GV2G445	2180
Set of 115A busbars for paralleling of contactors	2 contactors LC1D40A...D80A	GV3G264	2485
	3 contactors LC1D40A...D80A	GV3G364 <sup>(1)</sup>	1325
Set of S-shape busbars	For circuit breakers GV3P** & GV3L** and contactors LC1 D40A...D65A	GV3S	995

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



GV2G245

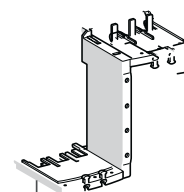


GV1G09

Description	For use with	Reference	Unit MRP [₹]
Mechanical interlock	LC1D09 to D38 <sup>(1)</sup>	LAD9V2	615
	LC1D40A to D65A <sup>(1)</sup>	LAD4CM	1255
	LC1D80 and D95 ( for AC control voltage)	LA9D4002	2740
	LC1D80 and D95 (for DC control voltage) <sup>(2)</sup>	LA9D8002	4080
	LC1D115 and D150 <sup>(2)</sup>	LA9D11502	4140

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

(2) With electrical interlock

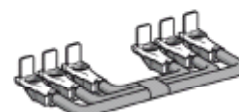
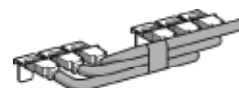


GV3S

Description	For use with	Reference	Unit MRP [₹]
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### Power Connection for Reversing

Kit Comprising : 1. A set of parallel bars 2. A set of reverser bars.	LC1D09 to D38	LAD9V5 + LAD9V6	1025
	LC1D40A to D80A	LA9D65A69	2660
	LC1D80 and D95 ( for AC control voltage)	LA9D8069	5695
	LC1D80 and D95 (for DC control voltage)	LA9D8069	5695
	LC1D115 and D150	LA9D11569	9475

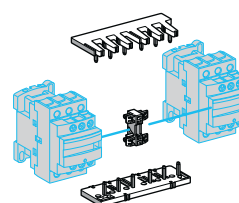


LA9 D8069

Description	For use with	Reference	Unit MRP [₹]
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### Reversing Kit

Kit Comprising : 1. A mechanical interlock LAD 9V2 with electrical interlocking LAD 9V1 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing).	LC1D09 to D38	LAD9R1V	1275
Kit Comprising : 1. A mechanical interlock LAD 9V2 without electrical interlocking 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing).	LC1D09 to D38	LAD9R1	1045
Kit Comprising : 1. A mechanical interlock LAD 4CM 2. A set of power connections LA9 D65A69.	LC1D40A to D80A	LAD9R3	3040

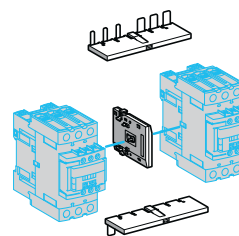


LAD9R1

Description	For use with	Reference	Unit MRP [₹]
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### Star Delta Kit

Time delay contact block LAD S2 (LC1D09...D80),	LC1D09 and D12	LAD91217	4805
Power circuit connections (LC1D09...D80),	LC1D18 to D32	LAD93217	6175
Hardware required for fixing the contactors onto the mounting plate (LC1D80)	LC1D40A and D50A	LAD9SD3	12480
	LC1D80	LA9D8017	13860



LAD9R3



LAD91217



LAD9SD3



LA9D8017

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

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Description	Time Delay Range	Timer Type	Reference	Unit MRP [₹]
On delay timer <sup>(1)</sup> <sup>(2)</sup>	15...30 s	on delay	LA4DT2U	3815
On delay timer <sup>(1)</sup> <sup>(2)</sup>	0.1...2 s	on delay	LA4DT0U	
On delay timer <sup>(1)</sup> <sup>(2)</sup>	25...500 s	on delay	LA4DT4U	
Relay interface module - 24V DC <sup>(1)</sup> <sup>(2)</sup>	-	-	LA4DFB	3515

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3.  
 (2) For LC1D80...150 (3P), direct mounting, for 100-250V AC Coils only.

Mounting Location	For Use With Contactor	Reference	Unit MRP [₹]
<b>For D Model Mechanical Latch Blocks</b>			
Front, Clip-on	LC1D09...D38 (a or c) LC1DT20...DT40 (a or c) LC1D40A...D65A (3P a or c) LC1DT60A and DT80A (4P a or c)	LAD6K10*	4590
	LC1D80...D150 (3P a) LC1D80 and D115 (3 P c) LC1D80 (4 P a) LC1D80 and D115 (4 P a) LP1D80 and LC1D115 (4 P c)	LA6DK20*	4790

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### \*Coil Voltage Code

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

### Spare coils D Model

Product Compatibility	Reference
<b>AC Coils</b>	
CAD, LC1-D09...D38, DT20..40	LXD1*
LC1D40A, D50A, D65A & LC1DT60A, DT80A	LXD3*
D80 & D95 (3P & 4P)	LX1D6*
LC1-D115,D150	LX1D8*
<b>DC Coils</b>	
LC1-D80-D95	LX4D7**
LC1-D115, D150	LX4D8**

\* Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

### Coil Voltage Code

TYPE	VOLTAGE (V)	24	110	220	415
AC*	CAD, LC1-D09...D38, DT20..40, LC1 - D150, LC1D40A, D50A, D65A & LC1DT60A, DT80A, LC1D150 LC1D80, D95, D115	B7	F7	M7	N7

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

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## Accessories - D Model

Description	For use with	Contacts	Reference	Unit MRP [₹]	
<b>Add On Blocks</b>					
Additional instantaneous auxiliary contact blocks	LC1D09 ...LC1D150 & LC1F*	Front Mounted	1NO + 1NC	LADN11	415
			2NO	LADN20 <input checked="" type="checkbox"/>	
			2NC	LADN02	535
			2NO + 2NC	LADN22 <input checked="" type="checkbox"/>	745
			4NC	LADN04	890
			4NO	LADN40 <input checked="" type="checkbox"/>	745
	1NO + 3NC	LADN13			
	LC1D80..LC1D95 & LC1F	Front Mounted	3NO + 1NC	LADN31 <input checked="" type="checkbox"/>	295
			1NO	LADN10	
			1NC	LADN01	

Description	Contacts	Reference	Unit MRP [₹]	
<b>Add On Blocks</b>				
Additional instantaneous auxiliary contact blocks	Side Mounted <sup>(1)</sup>	1NO + 1NC	LAD8N11	1290
		2NO	LAD8N20	
Pneumatic timer blocks front mounted	ON delay	1NO + 1NC 0.1..3s	LADT0	2975
		1NO + 1NC 0.1..30s	LADT2	
		1NO + 1NC 10..180s	LADT4	
	OFF delay	1NO + 1NC 1..30s <sup>(2)</sup>	LADS2 <input checked="" type="checkbox"/>	3170
		1NO + 1NC 0.1 ..3s	LADR0	2975
		1NO + 1NC 0.1 ..30s	LADR2 <input checked="" type="checkbox"/>	
		1NO + 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

## Accessories compatibility

Contactors		Instantaneous auxiliary contacts					Time delay	
Type	Number of poles and size	Side mounted	Front mounted			Front mounted		
			1 contact	2 contact	4 contacts			
AC & AC/DC	3P	LC1D09...D38	1 on LH side	and	-	1	or 1	or 1
		LC1D40A...D80A	1 on LH or 1 on RH side	and	-	1	or 1	or 1
		LC1D80 and D95A (50/60 Hz)	1 on each side	or	2	and 1	or 1	or 1
		LC1D80 and D95A (50 or 60 Hz)	1 on each side	and	2	and 2	or 1	or 1
		LC1D115 and D150	1 on LH side	and	-	1	or 1	or 1
	4P	LC1DT20...DT40	1 on LH side	and	-	1	or 1	or 1
		LC1DT60A and DT80A	1 on LH or 1 on RH side	and	-	1	or 1	or 1
		LC1D40008, D65008 and D80	1 on each side	or	1	or 1	or 1	or 1
		LC1D115	1 on each side	and	1	or 1	or 1	or 1
		LC1D09...D38	-	-	-	1	or 1	or 1
DC	3P	LC1D40A...D80A	-	-	1	or 1	or 1	
		LC1D80 and D95	-	-	1	or 1	or 1	
		LC1D115 and D150	1 on LH side	and	-	1	or 1	or 1
	4P	LC1DT20...DT40	-	-	-	1	or 1	or 1
		LC1DT60A and DT80A	-	-	-	1	or 1	or 1
		LC1D40008, D65008 and D80	-	-	2	and 1	or 1	or 1
		LC1D115	1 on each side	-	-	and 1	or 1	or 1
LC (3)	3P	LC1D09...D38	-	-	1	-	-	
	4P	LC1DT20...DT40	-	-	1	-	-	

(3) LC : Low consumption

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

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## Accessories for TeSys D

Description	For Use With	Reference	Unit MRP [₹]
<b>For Contactor D115/150</b>			
Contacts set - 3P	LC1D115	LA5D1158031	15035
Contacts set - 3P	LC1D150	LA5D150803	15590
Contacts set - 4P	LC1D1150046	LA5D115804	20730

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit MRP [₹]
<b>Coil Suppressor Modules</b>					
LC1D12...D25 (4P)		110...240V AC	RC Circuit AC	LA4DA1U	1175
LC1D12...D25 (4P)		12...250V DC	Diode DC	LA4DC1U	
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)		24...48V AC	Varistor AC/DC	LAD4VE	1135
		24...48V AC 400Hz	RC Circuit AC	LAD4RCE	1030
		50...127V AC 200Hz	RC Circuit AC	LAD4RCG	1030
CAD		110...240V AC 100Hz	RC Circuit AC	LAD4RCU <input checked="" type="checkbox"/>	1135
		110...250V AC	Varistor AC/DC	LAD4VU	1175
LC1D80, LC1D95, LC2D80, LC2D95 (3P) LC2D80 (4P), LC1D40008, LC1D65008	Screw	24...250V DC	Diode DC	LA4DC3U	1175
		110...250V AC	Varistor AC/DC	LA4DE2U	1125
		24...48V AC 400Hz	RC Circuit AC	LA4DA2E	1775
		50...127V AC 200Hz	RC Circuit AC	LA4DA2G	1775
		110...240V AC 100Hz	RC Circuit AC	LA4DA2U	1775
		380...415V AC 150Hz	RC Circuit AC	LA4DA2N	1775
		24...48V DC	Varistor AC/DC	LA4DE3E	1175

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

NORMAL STOCK ITEMS

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# TeSys D

Modular marking system simplifies identification of standard contactors in the control panel to enhance visibility of the safety chain

## Simple, customisable modular marking system

### Standard TeSys D contactors

Easy-to-attach covers:



Auxiliary blocks for more contact points:



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



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles

### Standard TeSys U motor starters

Translucent labels to identify safety-chain devices:



## Complete safety-chain identification system

### TeSys D range

Retrofit contactor safety covers



LAD9ET1S  
9A upto 65A



LAD9ET3S  
80A to 95A



LAD9ET4S  
110A to 150A



LADN22S  
2NO + 2NC

Also available for CAD32/CAD50

### TeSys U range

Retrofit identification label



LU9ET1S

## Built in Safety

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

Description	For Use with	Reference	Unit MRP [€]
Red Cover (For safety chain indication)	LC1D09...D65A and DT20 .. DT80A	LAD9ET1S	590
Auxiliary Contact block with red front face- for safety chain indication	2NO + 2NC	LADN22S	845

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

NORMAL STOCK ITEMS

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## New TeSys G range: Redefining switching and protection for 115-800A

- Connected Contactor with advanced diagnostics feature
- Advanced protection function with upgraded LR9G relays
- Among the most compact contactors for given ratings

Launching in 2021....

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

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



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

[Ie] Rated Operational Current AC-1	Motor Power (Long Life) AC-3			Reference	Unit MRP [₹]
	kW	HP	A		
200	59	80	115	LC1F115	19175
250	80	110	150	LC1F150	26580
275	100	135	185	LC1F185	32355
315	110	150	225	LC1F225	35245
350	140	190	265	LC1F265	42755
400	180	245	330	LC1F330	53160
500	220	300	400	LC1F400	58360
700	280	380	500	LC1F500	83780
1000	375	500	630	LC1F630	134050
1000	450	610	800	LC1F800	208010
1250	630	840	1000	LC1F1000	360545

**Note:**

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1NO contact)
- Please select coils from table on next page (Page-30).

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



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

[Ie] Rated Operational Current AC-1	Power Pole Composition	Reference	Unit MRP [₹]
200	4NO	LC1F1154	31460
250	4NO	LC1F1504	38200
275	4NO	LC1F1854	47190
315	4NO	LC1F2254	56405
350	4NO	LC1F2654	62360
400	4NO	LC1F3304	73705
500	2NO	LC1F4002	52245
500	4NO	LC1F4004	85955
700	2NO	LC1F5002	76405
700	4NO	LC1F5004	130710
1000	2NO	LC1F6302	129215
1000	4NO	LC1F6304	182025
1600	4NO	LC1F7804	387710

**Note:**

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

## 3P AC/DC control for AC-1 applications

[Ie] Rated Operational Current AC-1	Reference	Unit MRP [₹]
1250	LC1F1250	On Request
1700	LC1F1700	
2100	LC1F2100 <sup>(1)</sup>	
2600	LC1F2600 <sup>(2)</sup>	

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

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

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



## Coils F Model

Product compatibility	AC Coil Reference	Unit MRP [₹]	DC Coil Reference <sup>(2)</sup>	Unit MRP [₹]
LC1F115, LC1F150	LX9FF*	4020	LX4FF**	8505
LC1F185, LC1F225	LX9FG*	5565	LX4FG**	11320
LC1F265, LC1F330	LX1FH*	6925	LX4FH**	13785
LC1F400	LX1FJ*	14260	LX4FJ**	21820
LC1F500	LX1FK*	16965	LX4FK**	22525
LC1F630	LX1FL*	18975	LX4FL**	23345
LC1F800	<sup>(1)</sup>	-	LX4F8**	33260
LC1F1000, LC1F1700, LC1F2100	LX1FK* <sup>(3)</sup>	16965		
LC1F2600	LX1FL* <sup>(3)</sup>	18975		

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

(1) Use rectifier with required DC coil (Ref: DR5TE4U)

(2) Coil with suppressor fitted as standard.

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

(4) It is recommended to check availability with Customer Care team.

## Coil Voltage Code

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

Note: (1) It is recommended to check availability with Customer Care team

## Accessories - D and F Model

Description	For use with	Contacts	Reference	Unit MRP [₹]	
<b>Add on Blocks</b>					
Additional instantaneous auxiliary contact blocks	LC1D09...LC1D150 & LC1F*	Front Mounted	1NO + 1NC	LADN11	415
			2NO	LADN20	535
			2NC	LADN02	745
			2NO + 2NC	LADN22	890
			4NC	LADN04	
	LC1D80...LC1D95* & LC1F		4NO	LADN40	745
			1NO + 3NC	LADN13	
			3NO + 1NC	LADN31	
			1NO	LADN10*	295
			1NC	LADN01*	

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NORMAL STOCK ITEMS

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## Accessories - D and F Model

Description	Contacts	Reference	Unit MRP ₹			
<b>Add On Blocks</b>						
Additional instantaneous auxiliary contact blocks	Side Mounted <sup>(1)</sup>	1NO + 1NC 2NO	LAD8N11 LAD8N20	1290		
	Pneumatic timer blocks front mounted	ON delay	1NO + 1NC 0.1..3s 1NO + 1NC 0.1..30s 1NO + 1NC 10..180s		LADT0 LADT2 LADT4	2975
OFF delay			1NO + 1NC 1..30s <sup>(2)</sup> 1NO + 1NC 0.1 ..3s 1NO + 1NC 0.1 ..30s 1NO + 1NC 10..180s	LADS2 <input checked="" type="checkbox"/> LADR0 LADR2 <input checked="" type="checkbox"/> LADR4	3170 2975	

(1) Suitable for mounting on D Model range AC Coil Contactors and Control Relays only

(2) With Switching time of 40 ms between opening of the NC contact and closing of the NO contact recommended for Star - Delta Starters

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

For Use With Contactor	Reference	Unit MRP ₹
<b>Mechanical Interlocks <sup>(1)</sup> - Horizontally Mounted</b>		
LC1F115, LC1F150, LC1F1154, LC1F1504	LA9FF970	4200
LC1F185, LC1F1854, LC1F225, LC1F2254	LA9FG970	4850
LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004	LA9FJ970	5430
LC1F630, LC1F6304, LC1F800	LA9FL970	6045

(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"/>	22230
LC1F185, LC1F225	LA5FG431	32115
LC1F265	LA5FH431	42300
LC1F330, LC1F400	LA5F400803	51285
LC1F500	LA5F500803	65970
LC1F630	LA5F630803	104935
LC1F800	LA5F800803	131770

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

Description	For use with	110V Reference	220V Reference	Unit MRP ₹
<b>Suppressor Blocks</b>				
Suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	5655
Suppressor bracket	For all LA4F	LA9D09981		595

Product compatibility	110V Reference	220/230V Reference	415/440V Reference	Unit MRP ₹
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### Hoisting Applications - AC Coils

LC1F265	LX9FH1102	LX9FH2202	-	On Request
LC1F330				
LC1F400	LX9FJ925	LX9FJ931	LX9FJ937	
LC1F500	LX9FK925	LX9FK931	LX9FK937	
LC1F630	LX9FL924	LX9FL931	LX9FL936	

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

Product compatibility	48V Reference	110V Reference	220V Reference	440/460 V Reference	Unit MRP ₹
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### Hoisting Applications - DC Coils

LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	On Request
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	

**Note:**

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

Contactor	110V Reference	220V Reference	440/460V Reference	Unit MRP ₹
<b>Economy Resistor</b>				
• To be used with hoisting application DC coil				
LC1F400	1 X DR2SC0047	1 X DR2SC1200	1 X DR2SC4700	On Request
LC1F500	1 X DR2SC0039	1 X DR2SC1000	1 X DR2SC3300	
LC1F630	2 X DR2SC0047	2 X DR2SC0047	2 X DR2SC3900	

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# TeSys Special Purpose Contactor

## Capacitor Duty Contactor



Nominal Reactive Power 440V	Auxiliary Contacts	Reference	Unit MRP [₹]
<b>LC1-D•K - with Damping Resistors &amp; Block of Early Make poles</b>			
12.5 KVAR	1NO + 2NC	LC1DFK*	3375
16.7 KVAR	1NO + 2NC	LC1DGK*	4740
20 KVAR	1NO + 2NC	LC1DLK*	5325
25 KVAR	1NO + 2NC	LC1DMK*	5840
32 KVAR	1 NO + 2NC	LC1DPK*	12720
40 KVAR	1NO + 2NC	LC1DTK*	17525
60 KVAR	1NO + 2NC	LC1DWK12*	19730

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

\* Reference to be completed by adding coil voltage code

### \* Coil Voltage Code

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

**Note:** (1) For non standard coil voltage prices please consult customer care.  
(2) It is recommended to check availability with Customer Care team.



Instruction Manual  
Video for Capacitor  
Duty Contactors



Guide for the Design  
and Production of LV  
Power Factor  
Correction Cubicles

For complete information on selection of capacitor switching please refer to the TeSys catalogue

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# TeSys H - Ultra-compact starters

The most compact 3 KW / 400 V starter in the world



## Up to 75 % of space reduction

- Ultra-compact 22.5 mm starter
- Reversing starter in the same width
- Maximum space savings for group starter architecture

## Long electrical durability

- Suitable for high demanding application
- 30 000 000 of AC53a electrical cycles

> With printed QR code, referring directly to the product data sheet.

## Easy Design

- Wide range setting motor protection
- Automatic, manual or remote reset after thermal trip
- Wide range of control voltage

## Easy to integrate

- Direct mounting installation on DIN rail
- Control terminals on the upper side
- Power terminal on the lower side

# TeSys H - Ultra-compact starters

## Standard version



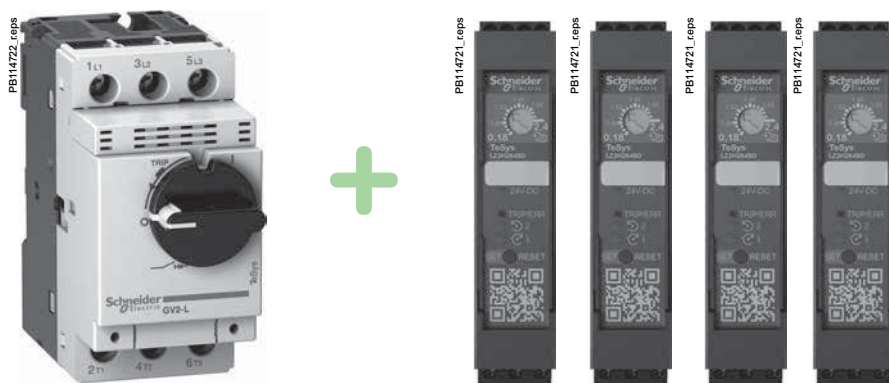
- **2 ratings:**
  - 2.4A 400V AC-53a
  - 6.5A 400V AC-53a
- **Control voltages:**
  - 24V DC
  - 110V / 230V AC
- **2 terminal types:**
  - Screw clamps
  - Spring
- **Can provide up to 3 functions:**
  - Forward running
  - Reverse running
  - Overload protection

## Standard Starter TeSys H

Motor Power @ 415V AC	Current range	Screw terminals	Unit MRP [₹]	Spring terminals	Unit MRP [₹]
<b>1 way (DOL)</b>					
0.75	0.18...2.4A	LZ1H2X4**	On Request	LZ1H2X43**	On Request
3	1.5...6.5A	LZ1H6X5**	On Request	LZ1H6X53**	On Request
<b>2 ways (RDOL)</b>					
0.75	0.18...2.4A	LZ2H2X4**	On Request	LZ2H2X43**	On Request
3	1.5...6.5A	LZ2H6X5**	On Request	LZ2H6X53**	On Request

\*\* reference to be completed with the control code : BD (24V DC) or FU (110-230V AC)  
It is recommended to check availability with Customer Care team

## Selection Chart for TeSys H



GV2L + LZ2H2X4BD

## Selection of the circuit breaker Type 1 Co-ordination according to IEC/EN 60947-4-2

Max A	Iq kA	Number of TeSys H		Reference Circuit breaker	
		2.4 A	6.5 A	Rotary	Rocker
0.4	50.0	1	–	GV2L03	GV2LE03
0.63	50.0	1	–	GV2L04	GV2LE04
1	50.0	1	1	GV2L05	GV2LE05
1.6	50.0	1	1	GV2L06	GV2LE06
2.5	35.0	1	1	GV2L07	GV2LE07
4	12.5	1	1	GV2L08	GV2LE08
6.3	8.0	2	1	GV2L10	GV2LE10
10	7.0	4	1	GV2L14	GV2LE14
14	5.0	5	2	GV2L16	GV2LE16
18	4.0	7	2	GV2L20	GV2LE20
25	4.0	10	3	GV2L22	GV2LE22
32	3.0	13	4	GV2L32	GV2LE32

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

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W.E.F. January 11, 2021



# TeSys Protection Range

TeSys has the most rugged and reliable solution to manage motors

Please find a quick range overview below

Protection	TeSys Motor Control and Protection Solution						
	GV2P, GV4P GV3P, GV2ME	GV4PEM	Thermal Overload Relays	Overtorque Relays	TeSys U	EOCR	TeSys
	 GV2P GV3P GV2ME	 GV4PEM	 LR2K LRD LR9D LR9F	 EOCR SS EOCR SSD	 TeSys U	 EOCR	 TeSys T TeSys Island
<b>Short circuit</b>							
<b>Causes of overheating</b>							
• Slight overload							
• Locked rotor							
• Ventilation fault							With probes
• Abnormal temperature rise							With probes
• Shaft bearing seizure							
• Insulation fault							
• Long starting time		Adjustable					Adjustable
• Severe duty							
• Voltage variation							
<b>Causes of phase variation</b>							
• Phase reversal			LR9D only				
• Phase losses							
• Phase imbalance							
• Earth fault	GV4P only						
<b>Mechanical shocks</b>							
<b>Historic fault, prealarming</b>							
			Possible Pre-alarm				

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

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W.E.F. January 11, 2021

# Overload relays for Motor Safety

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



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



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]
0.11...0.16		LR2K0301	1925
0.16...0.23		LR2K0302	
0.23...0.36		LR2K0303	
0.36...0.54		LR2K0304	
0.54...0.8		LR2K0305	
0.8...1.2		LR2K0306	
1.2...1.8	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0307	
1.8...2.6		LR2K0308	
2.6...3.7		LR2K0310	
3.7...5.5		LR2K0312	
5.5...8		LR2K0314	
8...11.5		LR2K0316	
10...14		LR2K0321	
12...16		LR2K0322	
			1960

\* Note: Terminal Block for Clip-on Mounting LA7K0064

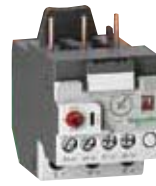
## Thermal Overload Relays - D Model



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]
<b>LRD Model (Direct Mounting)</b>			
0.1...0.16		LRD01	1935
0.16...0.25		LRD02	
0.25...0.4		LRD03	
0.4...0.63		LRD04	
0.63...1		LRD05 ✓	
1...1.6	GV2L03, LE03, LC1D09...LC1D38	LRD06 ✓	
1.6...2.5		LRD07 ✓	
2.5...4		LRD08 ✓	
4...6		LRD10 ✓	
5.5...8		LRD12 ✓	
7...10		LRD14 ✓	
9...13		LRD16 ✓	2175
12...18		LRD21 ✓	
16...24	GV2L22, LC1D25...D38	LRD22 ✓	2240
23...32	LC1D25...LC1D38, LC1D32	LRD32 ✓	3595
30...38	LC1D32, LC1D38	LRD35	
23...32	LC1D40A...D65A	LRD332	3980
30...40	LC1D80...LC1D95	LRD3353	
30...40	LC1D40A...D65A	LRD340	
30...40	LC1D80...LC1D95	LRD3355	
37...50	LC1D40A...D65A	LRD350 ✓	
37...50	LC1D80...LC1D95	LRD3357	
48...65	LC1D40A...D65A	LRD365	7010
62...80	LC1D80A	LRD380	7305
48...65	LC1D80...LC1D95	LRD3359	7010
63...80	LC1D80...LC1D95	LRD3363	7605
80...104	LC1D80, LC1D95	LRD3365	9385

## Electronic Overload Relay - D Model



- Conformance to IEC, UL, CSA
- Range : 0.1A to 32A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5, 10, 20 & 30
- Type 1 & Type 2 Co-ordination chart available

Current Range	For Use With	Reference*	Unit MRP [₹]
0.1...0.5		LR9D01	8790
0.4...2.0	LC1D09 - 38A Direct Mounting	LR9D02	9025
1.6...8.0		LR9D08	
6.4...32		LR9D32	10095

Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205.

## Electronic Overload Relay - F Model



- 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 [₹]
<b>LR9-F Electronic Protection Relays</b>		
90...150	LR9F5369 ✓	12920
132...220	LR9F5371	15135
200...330	LR9F7375	16245
300...500	LR9F7379	19935
380...630	LR9F7381	21165

Note:

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

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

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W.E.F. January 11, 2021



# Advanced Motor Protection

High performance protection  
for your application



## EOLR Electronic Overload Relay

- Precise Overload Protection
- Wide operating Range 5:1
- Higher Operating Temperature
- Selectable Trip Class



## EOCR Electronic Over Current Relay

- Compact and Robust
- Advanced current protections
- Suitable for 1-phase and 3-phase applications
- Suitable for motors upto 400A
- Pass-through CT for electrical isolation

# EOLR - LR9D

## Electronic Overload Relay



- Conformance to IEC, UL, CSA
- Range : 0.1A to 32A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5, 10, 20 & 30
- Type 1 & Type 2 Co-ordination chart available

Current Range	For Use With	Reference*	Unit MRP [₹]
0.1....0.5		LR9D01	8790
0.4....2.0	LC1D09 - 38A	LR9D02	9025
1.6....8.0	Direct Mounting	LR9D08	
6.4....32		LR9D32	10095

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

## Protection Relay Selection table

Features\product	EOLR		EOCR	
	LR9D	SS/SSD	3DM2/FDM2	3MZ2/FMZ2/3BZ2/FBZ2
Precise Overload Protection (Inverse Time)				
Over Current Protection (Definite Time)				
Selectable Trip Clas 5-30				
Current Unbalance Protection				
Locked Rotor, Phase Loss		*		
Under current Protection				
Ground Current Protection				
Current Measurement	CT	CT	CT	CT
Current Display		#		
Direct Mounting on Contactor	\$			
Fault History				
Configurable protection functions				

\* - over current based protection  
# - with SSD  
\$ - upto 38 Amps

■ Possible solution  
■ Ideal solution

## Analog EOCR

- Compact
- Protection against over current/phase loss/locked rotor (phase loss/locked rotor operates by over current)
- Manual (instant)/electrical reset
- NVR (No Volt Release) function / Fail Safe
- Suitable for single-phase / 3-phase motors
- LED (operation display and active current display)

## EOCR SS

- Without Display



EOCR SS			
Current Range	Control Voltage	Reference	Unit MRP [₹]
0.5-6	24-240V AC/DC	EOCRSS-05S	5190
3-30	24-240V AC/DC	EOCRSS-30S	
5-60	24-240V AC/DC	EOCRSS-60S	

**Note:** 2 SPST output contacts

To order an EOCR-SS:

**E 0 C R S S - 0 5 S**

①	Current Setting Range	5	0.5-6A	For 60A or higher, combine 05Type and an external CT (secondary 5A) for use
		30	3.0-30A	
		60	5.0-60A	
②	Operating Power Supply	S	24-240V AC/DC	
		W	380-440V AC	

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

## EOCR SSD

- With Display (Operating Current & Trip Cause)



EOCR SSD			
Current Range	Control Voltage	Reference	Unit MRP [₹]
0.5-6	24-240V AC/DC	EOCRSSD-05S	7760
3-30	24-240V AC/DC	EOCRSSD-30S	
5-60	24-240V AC/DC	EOCRSSD-60S	

**Note:** 2 SPST output contacts

To order an EOCR-SSD:

**E 0 C R S S D - 0 5 S**

①	Current Setting Range	5	0.5-6A	For 60A or higher, combine 05Type and an external CT (secondary 5A) for use
		30	3.0-30A	
		60	5.0-60A	
②	Operating Power Supply	S	24-240V AC/DC	
		W	380-440V AC	

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

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

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# NEW Digital EOCR



- Micro-controller unit based
- Real time processing / High precision
- Protections : Over current, Under current, Phase loss, Phase reversal, Stall, Jam, Current Imbalance, Earth fault (3MZ2/ FMZ2/3BZ2/FBZ2)
- Current Rating – 0.5 to 400A
- Bar graph indication of a load current to the current setting.
- Ancillary functions : Fail safe, Accumulated running hour, 3 faults records & limitation of auto-restart.
- Individual phase I-THD monitoring
- Suitable low Frequency Operation
- Communication capable RS485 (Optional)

## Selection Table for Digital EOCR

3 D M 2 - W R D U W Z

1 2 3 4 5 6

1	Digital Electronic Over-current Relay	3DM2/ FDM2	Without Ground Fault Protection	
		3MZ2/ FMZ2	With Ground Fault Protection with External ZCT	
		3BZ2/ FBZ2	With Ground Fault Protection inbuilt ZCT	
Built-in display		3●●2	Flush mounting display F●●2	
No	Item	Type	Current Range	
2	Standard	WR	0.5...80A	
3	Relay Output	D	b (95-96), a(97-98), a(07-08) 3DM2, FDM2	
		A	a(97-98): OL, a(57-58): GF	
		C	b(95-96), a(97-98): OL/GF	
		D	b(95-96) : OL, a(57-58): GF*	
4	Control Power	B	AC/DC 24V	
		U	AC/DC 100-240V	
5	Wiring Method	W	Window-hole type*	
		H	Bottom-hole type	
6	Version	Z	New version	

\* Not Possible with 3BZ2/FBZ2

Digital EOCR					
Current Control Range	Control Voltage	Reference	Description	Unit MRP [₹]	
0.5-80A	100-240V AC/DC	3DM2-WRDUWZ	Without ground - fault protection	16375	
		3DM2-WRDUHZ			
		FDM2-WRDUWZ	17705		
		FDM2-WRDUHZ			
		3MZ2-WRAUWZ	16595		
		3MZ2-WRAUHZ			
		3MZ2-WRCUWZ			
		3MZ2-WRCUHZ			
		3MZ2-WRDUWZ			
		3MZ2-WRDUHZ			
		FMZ2-WRAUWZ	With ground - fault protection	19925	
		FMZ2-WRAUHZ			
		FMZ2-WRCUWZ			
		FMZ2-WRCUHZ			
		FMZ2-WRDUWZ	24085		
		FMZ2-WRDUHZ			
		3BZ2-WRAUHZ		With ground - fault protection (inbuilt ZCT)	24475
		3BZ2-WRCUHZ			
FBZ2-WRAUHZ	24475				
FBZ2-WRCUHZ					

## EOCR Accessories

ZCT - Ground Fault Protection			
Reference	Description	Unit MRP [₹]	
ZCT-035-Z	ZCT EP 35 mm	On Request	
ZCT-080-Z	ZCT EP 80 mm	7050	
ZCT-120-Z	ZCT EP 120 mm	11600	



Display Cable for FDM2/FMZ2/FBZ2			
Reference	Description	Unit MRP [₹]	
CABLE-RJ45-001Q	CABLE 1M	1895	
CABLE-RJ45-003Q	CABLE 3M	2015	

## Current Transformer

3CT - H1 - 100 - C

1

Reference	Description	Unit MRP [₹]	
1 CT ratio	H1-100-Z	Square 3CT 100:5	4165
	HH-150-Z	Square 3CT 150:5	5160
	H2-200-Z	Square 3CT 200:5	5695
	H3-300-Z	Square 3CT 300:5	5990
	H4-400-Z	Square 3CT 400:5	7050



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

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W.E.F. January 11, 2021

# TeSys GV4

Circuit breaker for Motor protection



## New TeSys GV4

- Compact and Robust, covering motors upto 55kW- Breaking capacity upto 100kA
- Available with magnetic, electronic thermal magnetic and advanced protection functions including alarming, jam, long start etc
- Equipped with patented EverLink power connections for the entire range, ensuring 100% reliable connections
- Type 2 Co-ordination with TeSys range of contactors, including TeSys T motor controllers

# Circuit Breakers for Motor Protection

## Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4
- Magnetic circuit breakers range from 0.1-80 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories

## Thermal Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4, conformity to International Standards - UL, CSA, CE
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

Breaking Capacity at 415V 50Hz	Motor Power AC-3**		Magnetic Protection Rating (A)	Reference	Unit MRP [₹]
	kW	HP			

### With Rocker Lever Control (Economy)\*

100kA	0.09	-	0.4	GV2LE03	4075
	0.18	-	0.63	GV2LE04	
	0.37	0.5	1	GV2LE05	
	0.55	-	1.6	GV2LE06	
	1.1	1.5	2.5	GV2LE07	
	1.5	2	4	GV2LE08	
	2.2	3	6.3	GV2LE10	
	3	5.5	10	GV2LE14	
15kA	5.5	7.5	14	GV2LE16	4730
	7.5	10	18	GV2LE20	
	11	15	25	GV2LE22	
10kA	15	20	32	GV2LE32	8030

### With Rotary Handle Control\*

100kA	0.09	-	0.4	GV2L03	4675
	0.18	-	0.63	GV2L04	
	0.37	0.5	1	GV2L05	
	0.55	-	1.6	GV2L06	
	1.1	1.5	2.5	GV2L07	
	1.1	2	4	GV2L08	
	2.2	3	6.3	GV2L10	
	4	5.5	10	GV2L14	
50kA	5.5	7.5	14	GV2L16	13180
	7.5	10	18	GV2L20	
	11	15	25	GV2L22	
	15	20	32	GV2L32	
	18.5	25	40	GV3L40	
	22	29	50	GV3L50	
	30	40	65	GV3L65	
	37	50	73	GV3L73	

### With Protection toggle control

50kA	37	50	80	GV4LE80N6	13500
	55	74	115	GV4LE115N6	
	75	101	150	LV430832	
	110	147	220	LV431752	On Request
	160	214	320	LV432749	
	200	268	500	LV432949	

\* Conforming to IEC 60947-2-3-4

\*\* 50/60Hz - 415V

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

\*\* 50/60Hz - 415V

(1) With GV1-L3 current limiter, breaking capacity can be increased to 100kA.

Combination of the GV2-M with the D Model provides Type 2 Co-ordination.

(2) With GV1-L3 current limiter, breaking capacity can be increased to 100kA.

Combination of the GV2-P with the D Model provides Type 2 Co-ordination.

Breaking Capacity at 415V 50Hz	Motor Power AC-3**		Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
	kW	HP			

### With Push button Control (Economy)

100kA	-	-	0.1 - 0.16	GV2ME01	4135
	0.06	-	0.16 - 0.25	GV2ME02	
	0.09	-	0.25 - 0.40	GV2ME03	
	0.18	-	0.40 - 0.63	GV2ME04	
	0.37	0.5	0.63 - 1.0	GV2ME05	
	0.55	0.75	1.0 - 1.6	GV2ME06	
	0.75	1	1.6 - 2.5	GV2ME07	
	1.1	2	2.5 - 4	GV2ME08	
	2.2	3	4 - 6.3	GV2ME10	
	3	5.5	6 - 10	GV2ME14	
15kA <sup>(1)</sup>	5.5	7.5	9 - 14	GV2ME16	5215
	7.5	10	13 - 18	GV2ME20	
	9	12.5	17 - 23	GV2ME21	
	11	15	20 - 25	GV2ME22	
10kA <sup>(1)</sup>	15	20	24 - 32	GV2ME32	9705

### With Rotary Handle Control

100kA	-	-	0.1 - 0.16	GV2P01	4180
	0.06	-	0.16 - 0.25	GV2P02	
	0.09	-	0.25 - 0.40	GV2P03	
	0.18	-	0.40 - 0.63	GV2P04	
	0.37	0.5	0.63 - 1.0	GV2P05	
	0.55	0.75	1.0 - 1.6	GV2P06	
	0.75	1	1.6 - 2.5	GV2P07	
	1.1	2	2.5 - 4	GV2P08	
	2.2	3	4 - 6.3	GV2P10	
	3	5.5	6 - 10	GV2P14	
50kA <sup>(2)</sup>	5.5	7.5	9 - 14	GV2P16	6475
	7.5	10	13 - 18	GV2P20	
	9	12.5	17 - 23	GV2P21	
	11	15	20 - 25	GV2P22	
35kA <sup>(2)</sup>	15	20	24 - 32	GV2P32	12595
	18.5		30...40	GV3P40	
50kA	22		37...50	GV3P50	18245
	30		48...65	GV3P65	
	37		62...73	GV3P73	

### With Protection toggle control

50kA	37	49.58	40...80	GV4PE80N6	17500
	55	73.7	65...115	GV4PE115N6	

### With Direct Rotary Handle

70KA	75	101	70...150	GV5P150H	34500
	110	147	100...220	GV5P220H	40250
	160	214	160...320	GV6P320H	51750
	200	268	250...500	GV6P500H	71300

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

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# MCCB for Motor Protection

## GV4LE



- IEC/EN 60947-1, IEC/EN 60947-2, CCC, EAC
- Can be used with class 5, 10 or 20 relay
- Short Circuit Protection with an adjustable pick-up  $I_n$  = 6 to 14  $I_n$ .
- From 0.25 - 55kW

### Magnetic Protection Toggle Control

Motor Power AC-3 (400/415V AC)		In (A)	Magnetic setting range A	25kA breaking capacity		50kA breaking capacity		100kA breaking capacity	
kW	HP			Reference	Unit MRP [₹]	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]
0.25..0.75	0.3..1	2	12..28	-	-	GV4LE02N6	10800	GV4LE02S6	13800
0.55..1.5	0.7..2	3.5	21..49	-	-	GV4LE03N6		GV4LE03S6	
1.5..3	2..4	7	42..96	-	-	GV4LE07N6		GV4LE07S6	
3..5.5	4..7.5	12.5	75..175	-	-	GV4LE12N6	13500	GV4LE12S6	16500
5.5..11	7.5..14	25	150..350	GV4LE25B6	On Request	GV4LE25N6		GV4LE25S6	
11..22	15..30	50	300..700	GV4LE50B6		GV4LE50N6		GV4LE50S6	
18.5..37	25..50	80	480..1120	GV4LE80B6		GV4LE80N6	GV4LE80S6		
30..55	40..75	115	690..1610	GV4LE115B6	-	GV4LE115N6	GV4LE115S6	-	

**Note:** For Everlink termination please order after removing the 6 at the end Eg. GV4LE115N

## GV4PE



- IEC/EN 60947-1, IEC/EN 60947-2, IEC/EN 60947-4-1, UL 60497-4-1, CCC, EAC, CSA
- Overload or thermal protection
- Short time delay protection
- Short circuit protection
- Fixed Ground fault protection
- Phase unbalance or phase loss
- Front indications through LED
- Variable Trip class : Trip Class 10/ Trip Class 20

### Thermal Magnetic Protection Toggle Control

Motor Power AC-3 (400/415V AC)		In (A)	Thermal setting range A	25kA breaking capacity		50kA breaking Capacity		100kA breaking Capacity	
kW	HP			Reference	Unit MRP [₹]	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]
0.25..0.75	0.3..1	2	0.8..2	-	-	GV4PE02N6	14800	GV4PE02S6	16000
0.55..1.5	0.7..2	3.5	1.4..3.5	-	-	GV4PE03N6		GV4PE03S6	
1.5..3	2..4	7	2.9..7	-	-	GV4PE07N6		GV4PE07S6	
3..5.5	4..7.5	12.5	5..12.5	-	-	GV4PE12N6	17500	GV4PE12S6	18500
5.5..11	7.5..14	25	10..25	GV4PE25B6	On Request	GV4PE25N6		GV4PE25S6	
11..22	15..30	50	20..50	GV4PE50B6		GV4PE50N6		GV4PE50S6	
18.5..37	25..50	80	40..80	GV4PE80B6		GV4PE80N6	GV4PE80S6		
30..55	40..75	115	65..115	GV4PE115B6	-	GV4PE115N6	GV4PE115S6	-	

**Note:** For Everlink version please order after removing the 6 at the end. Eg. GV4PE115N

### Crimp Lug/busbar connection

Description	Sold in lots of	Reference
Crimped lug connector + screws	1	GV4LUG
Transparent terminal shield for crimped lug connector	1	LAD96590
Interphase barriers	6	LV426920
Spreader 3-pole	To increase the pitch to 35 min	LV426940

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Accessories for GV4



## MX Shunt Trip

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

## MN Under Voltage Release

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

Description	Mounting	Voltage	References	Unit MRP [₹]
Mx Shunt Trip	Internal, Plug-In	220-240 VAC 50 Hz, 208-240 VAC 60 Hz, 277 VAC 60 Hz	GV4AS287	2620
Mn Under Voltage Release	Internal, Plug-In	440-480 VAC 60 Hz	GV4AU486	3425

# Auxiliary Contact Blocks



An auxiliary contact block provides one changeover contact with one common point for OF and SD function, depending on where it is inserted

Open/Close OF Function: indicates position of the circuit breaker contacts

Trip Alarm SD Function: indicates circuit breaker tripping due to:

- Electrical fault (overload, short circuit)
- Shunt trip/Undervoltage release
- "Push to Trip" Function

Resets when the circuit breaker is reset

Description	Maximum Number	Mounting	Type of Contacts	Reference	Unit MRP [₹]
Auxiliary Contact Block	2 (1 Each For OF or SD)	Internal Plug-In	NO + NC	GV4AE11	920

## Rotary Handles

Description	Type	Degree of Protection	Reference	Unit MRP [₹]
Direct Mounting Rotary Handle	BLACK	IP40	GV4ADN01	1375
	BLACK	IP54	GV4APN01	2040
Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm)	RED HANDLE ON YELLOW BEZEL	IP54	GV4APN02	
	RED HANDLE ON YELLOW BEZEL	IP65	GV4APN04	

## Connection Accessories

Description	Reference
Spreader 3-pole (To increase pitch to 35mm) (1 pce)	LV426940

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

NORMAL STOCK ITEMS

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## Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]
<b>For GV2</b>		
Front contact NO or NC <sup>(1)</sup>	GVAE1	895
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	1095
	GVAE20	1210
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	1325
	GVAN20	
Fault signalling contact + 1NO contact <sup>(2)</sup>	GVAD1010 <input checked="" type="checkbox"/>	1725
Fault signalling contact + 1NC contact <sup>(2)</sup>	GVAD1001	
Short circuit signalling contact block 1 C/O	GVAM11	1645
Under voltage trip	110 ... 115V 50Hz	GVAU115
	220 ... 240V 50Hz	GVAU225
	380 ... 400V 50Hz	GVAU385
Shunt trip	110 ... 115V 50Hz	GVAS115
	220 ... 240V 50Hz	GVAS225
380 ... 400V 50Hz	GVAS385	3150
	Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	620
Connection block - LS1 D32 or GV2 with Contactor LC1-K or LP1-K	GV2AF01	665
Empty enclosure for GV2ME - plastic	GV2MP02	2345
	GV2MC02	2580

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

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

## Busbars

Connection Pitch	No. of Tapoff Points	Reference	Unit MRP [₹]
<b>For GV2 Breakers</b>			
45 mm	2	GV2G245	1380
	4	GV2G445	2180
	2	GV2G254	1575
54 mm	3	GV2G354	1770
	4	GV2G454	2220
	5	GV2G554	2405
72 mm	4	GV2G472	2715

Description	Reference	Unit MRP [₹]
<b>Accessories for Busbars</b>		
Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	3405
Protective end covers for unused busbar outlets	GV1G10	600
Terminal block for connection from top	GV1G09	1780

## Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]
<b>For GV2-P/GV2-L</b>		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	3160
External operator - IP54, Yellow/Red	GV2APN02	5820
Visible isolation block - for motor circuit breaker GV2	GV2AK00	2645
<b>For GV3P/GV3L</b>		
<b>Auxiliary Contacts</b>		
Front contact: 1 NO (fault) + 1NC (Auxiliary)	GVAED011	1140
Front contact: 1 NO (fault) + 1NO (Auxiliary)	GVAED101	1255
<b>Busbar</b>		
3-pole, 3 tap, 64 mm pitch	GV3G364	1325
S-shape bus bar	GV3S	995
<b>External Operator</b>		
IP54, Black	GV3APN01	3770
IP54, Yellow/Red	GV3APN02	3620

**Note:** All other accessories are same as of GV2.

Busbars GV3G364 and GV3S are not compatible with GV3\*73 and GV3\*80.

Description	Operating Voltage	Reference	Unit MRP [₹]
<b>For GV5 and GV6</b>			
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	2105
Clip-on connector - upto 150 A - 1.5..95 mm <sup>2</sup>	-	GV7AC021	865
Clip-on connector- upto 220 A - 1.5..185 mm <sup>2</sup>	-	GV7AC022	820
Front rotary handle		GV7AP03	3625
GV7AP GV7R - black handle <sup>(2)</sup>	-	GV7AP01	6305
Padlocking device - 1..3 padlocks Ø 5..8mm shank <sup>(3)</sup>	-	GV7V01	965
Terminal shields IP405 <sup>(1)</sup>	-	GV7AC01	2240
<b>For GV5 and GV6</b>			
Shunt release	200...240 V AC 50/60 HZ	GV7AS207	4790
Under Voltage release	200...240 V AC 50/60 HZ	GV7AU207	4945

(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

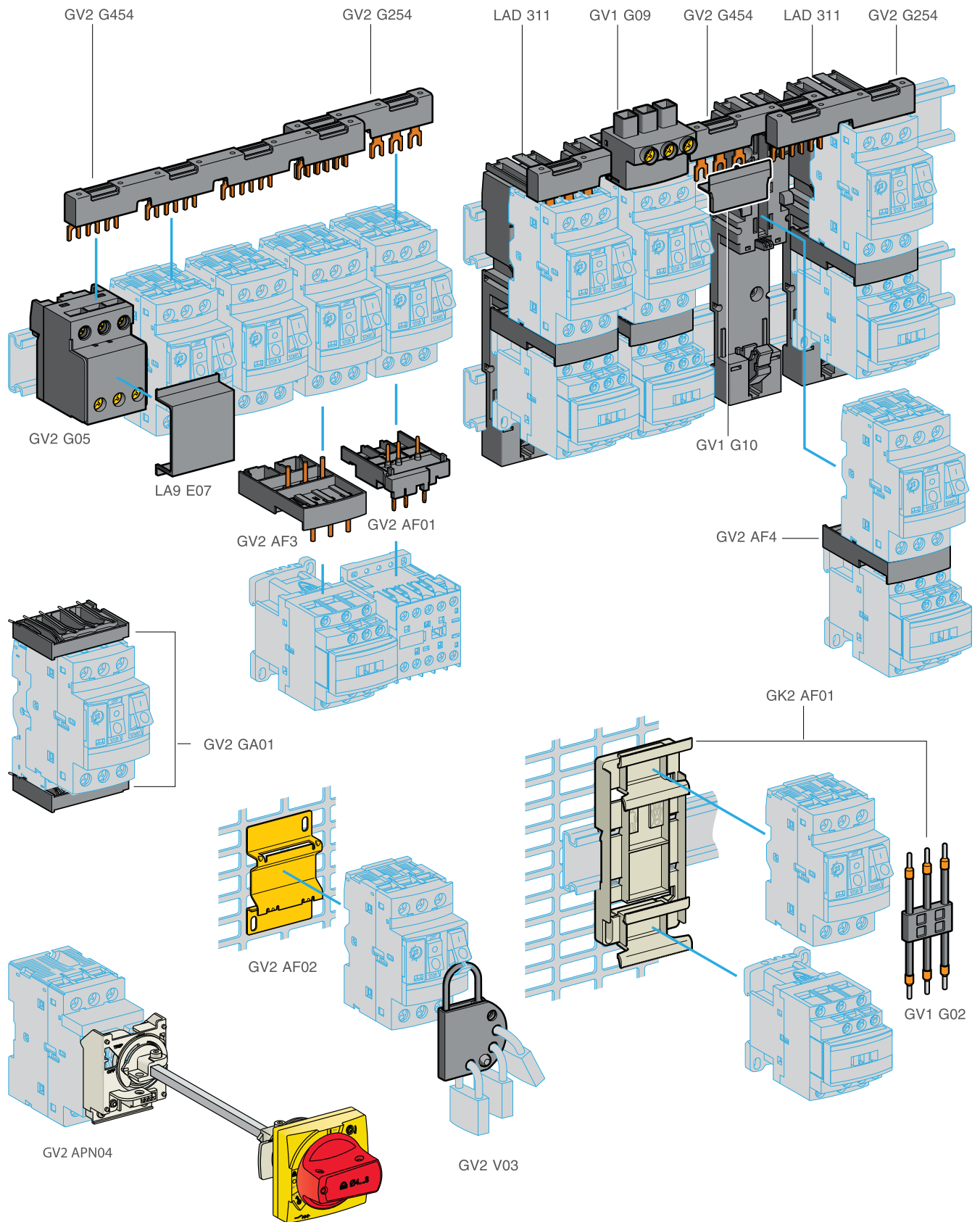
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

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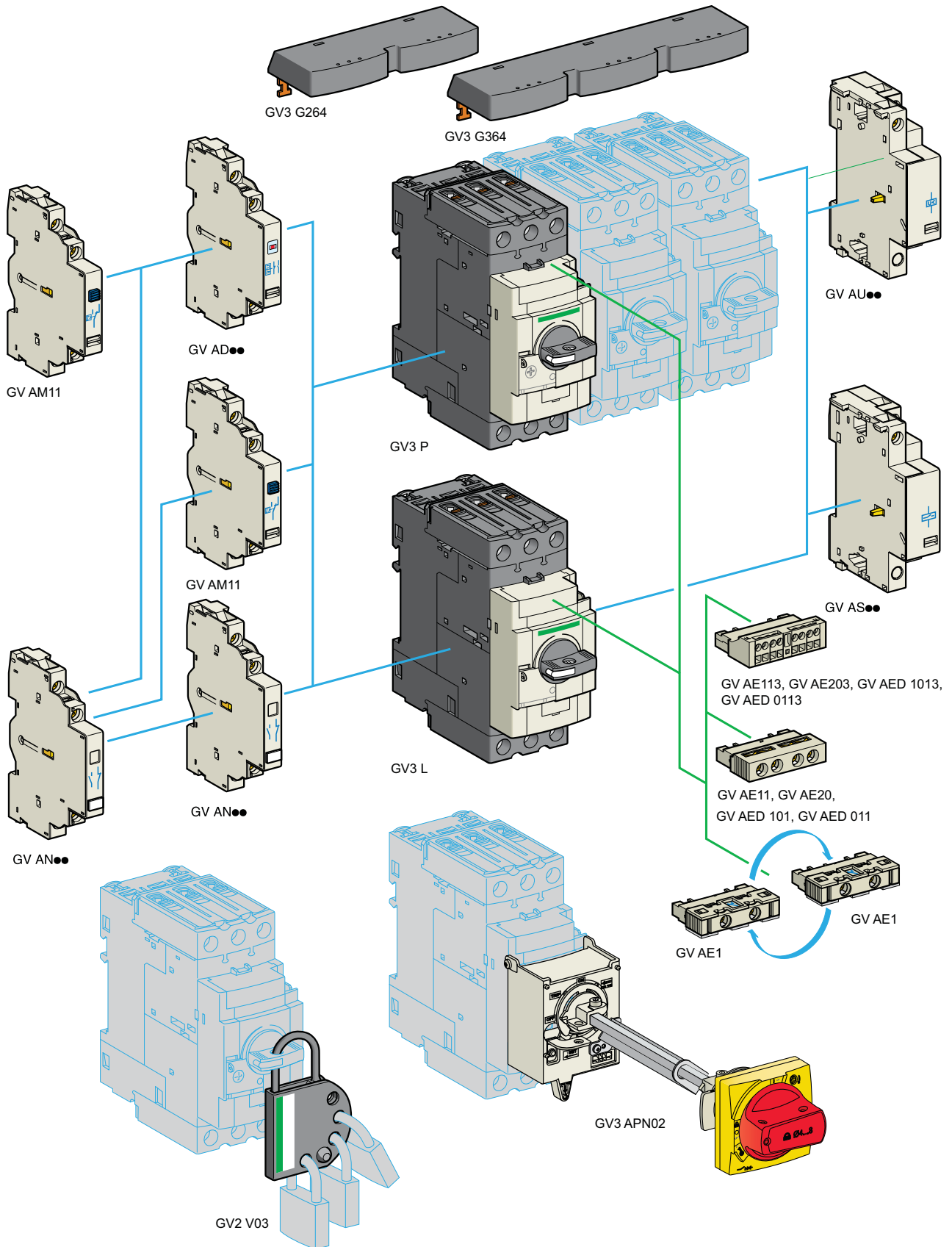
# TeSys

## Accessories compatibility

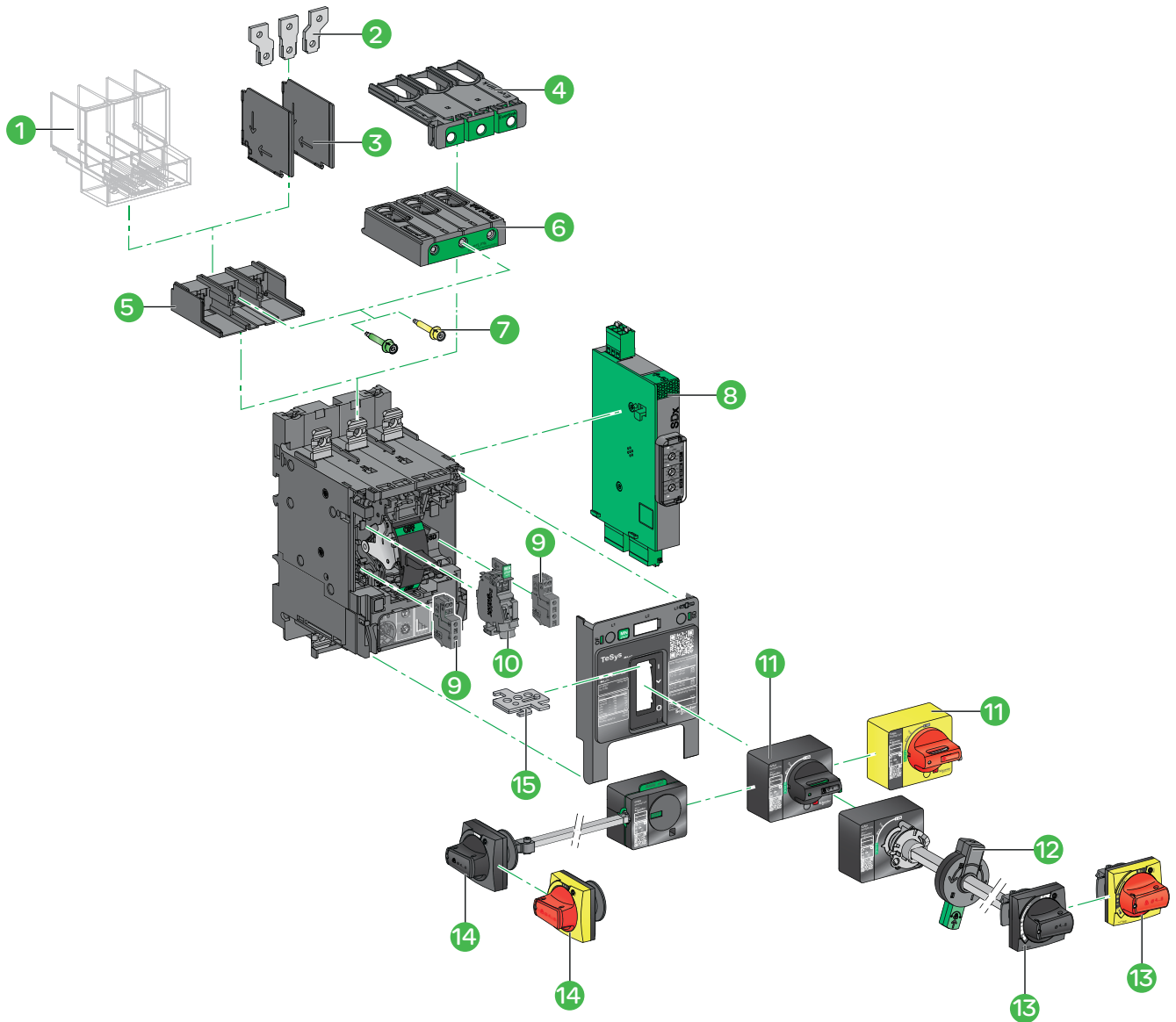


# TeSys

## Accessories compatibility



# TeSys GV4 Overview



- 1 Long terminal shield LAD96590
- 2 Terminal spreaders LV426940
- 3 Interphases barriers LV426920
- 4 Large spacing cover for EverLink connector GV4G66
- 5 Crimp lug connector GV4LUG
- 6 EverLink® connector LAD96595
- 7 Torque limiting breakaway bits LV42699p
- 8 SDx alarming/fault differentiation module GV4ADM1111 (only with GV4PEM)
- 9 Auxiliary contact block for OF or SD function GV4AE11
- 10 - MN undervoltage release GV4AUpp  
- MX shunt trip GV4ASpp
- 11 Direct mounting black or red on yellow bezel rotary handle GV4ADN01/ GV4ADN02
- 12 Open door shaft operator (for front extended rotary handle) LV426937
- 13 Front extended rotary handle kit with red handle on yellow bezel or black handle GV4APN01/ GV4APN02 /GV4APN04
- 14 Side rotary handle kit with red handle on yellow bezel or black handle LV426935/LV426936.
- 15 Toggle locking device 29370

# Linergy

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

**Because Linergy is:**

Flexible



Safer



Reliable



**Linergy BZ**  
Power Busbars

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

**Linergy HK**  
"Hot Plug" Distribution

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

**Linergy FT**  
Device Feeders

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

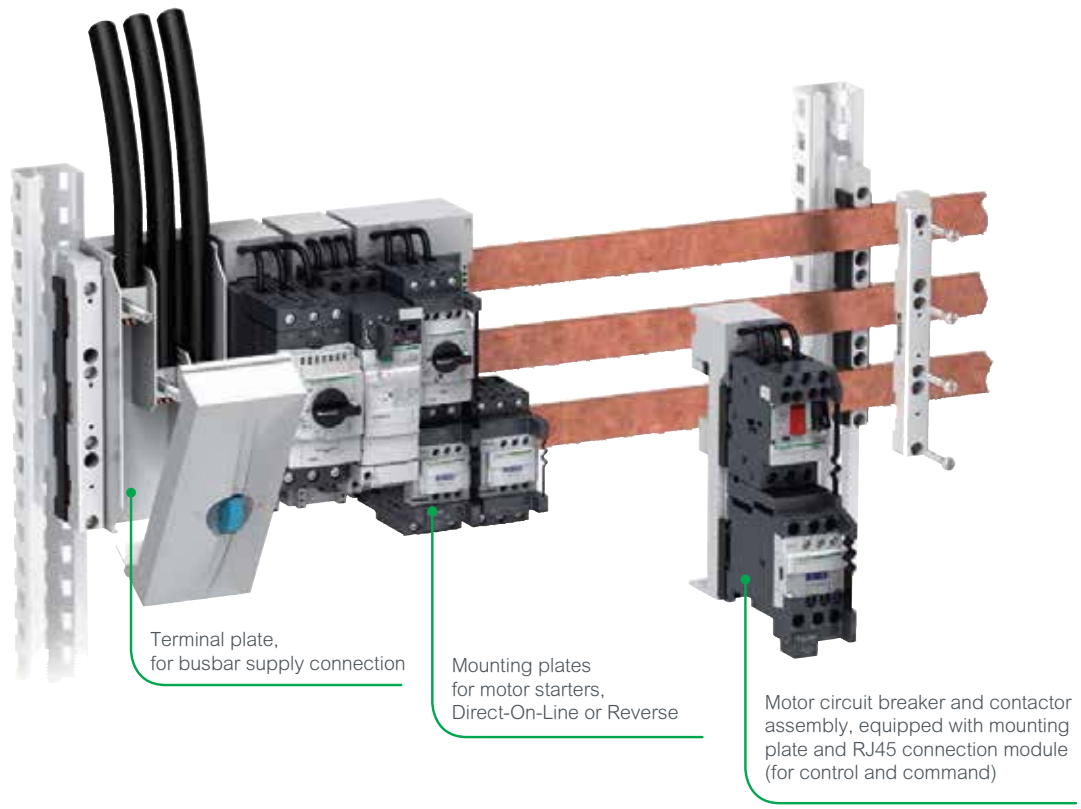
- > Quick Installation
- > Multi Standard Offer
- > Intuitive Solution



# Lineryg BZ

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

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



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

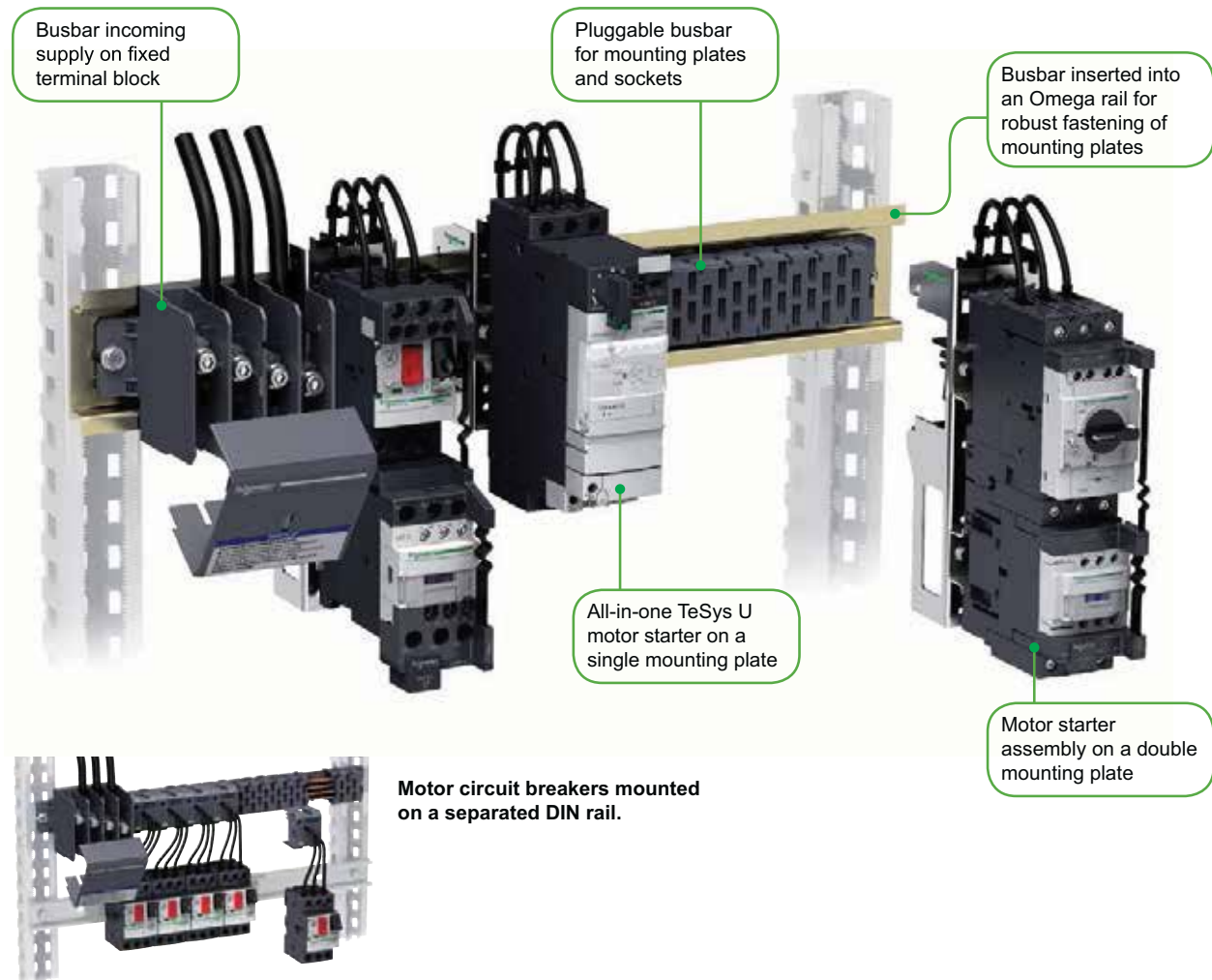
- ### Detailed view: back face of a motor starter mounting plate
- A reliable electrical contact is ensured by copper blades
  - The blue part locks the mounting plate on the busbar, compatibility is provided with standard profiles:
  - Height 12, 15, 20, 25 or 30 mm,
  - Width 5 or 10 mm



# Linergy HK

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

When compactness and continuity of service are required



## Advantages

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

### Detailed view: mounting plate back face

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



# TeSys Switches

## Vario Switch Disconnectors

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

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

10	3P	4 KW	VCF02GE	2990
16	3P	5.5 KW	VCF01GE	3260
20	3P	7.5 KW	VCF0GE	3960
25	3P	11 KW	VCF1GE	4250
32	3P	15 KW	VCF2GE	4980
50	3P	22 KW	VCF3GE	7700
63	3P	30 KW	VCF4GE	9010

\* Rated Power at 415V

\*\* Ith in enclosure

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

12 - 40	4 Screw Fixing	IP65	KCF1PZ	700
63 - 80	4 Screw Fixing	IP65	KCF2PZ	745
125 - 175	4 Screw Fixing	IP40	KCF3PZ	3025

## Accessories

Description	For Use with switch Bodies	Rating in A	Pole Composition	Earth Contact	Auxiliary contacts	Reference	Unit MRP [₹]
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### Vario Add-on Modules <sup>(1)</sup>

Main Pole Module	V02/VCF02	12	1P	-	-	VZ02	875
	V01/VCF01	20	1P	-	-	VZ01	895
	V0/VCF0	25	1P	-	-	VZ0	950
	V1/VCF1	32	1P	-	-	VZ1	930
	V2/VCF2	40	1P	-	-	VZ2	995
	V3/VCF3	63	1P	-	-	VZ3	1295
Neutral Pole Module <sup>(2)</sup>	V4/VCF4	80	1P	-	-	VZ4	1295
	V02 / VCF02 to V2 / VCF2	-	1N	-	-	VZ11	1065
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	VZ12	1430
Earthing Module	V5 / VCZ5 to V6 / VCZ6	-	1N	-	-	VZ13	2950
	V02 / VCF02 to V2 / VCF20	-	-	-	-	VZ14	1055
	V3 / VCF3 to V4 / VCF4	-	-	1	-	VZ15	1245
Auxiliary Contact Block Module	V5 / VCZ5 to V6 / VCZ6	-	-	1	-	VZ16	1930
	V02/ VCF02 to V6 / VCZ6	-	-	-	1NO + 1NC	VZ7	1100
	V2/ VCF02 to V6 / VCZ6	-	-	-	2NO	VZ20	1100

(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	1055
		VZ30	1245
Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6	V3, V4, V5, V6	VZ18	1415
		VZ31	295
Door interlock plate	VZ17 / VZ30	KZ32	510
		KZ74	

### Input Terminal Protection Shrouds

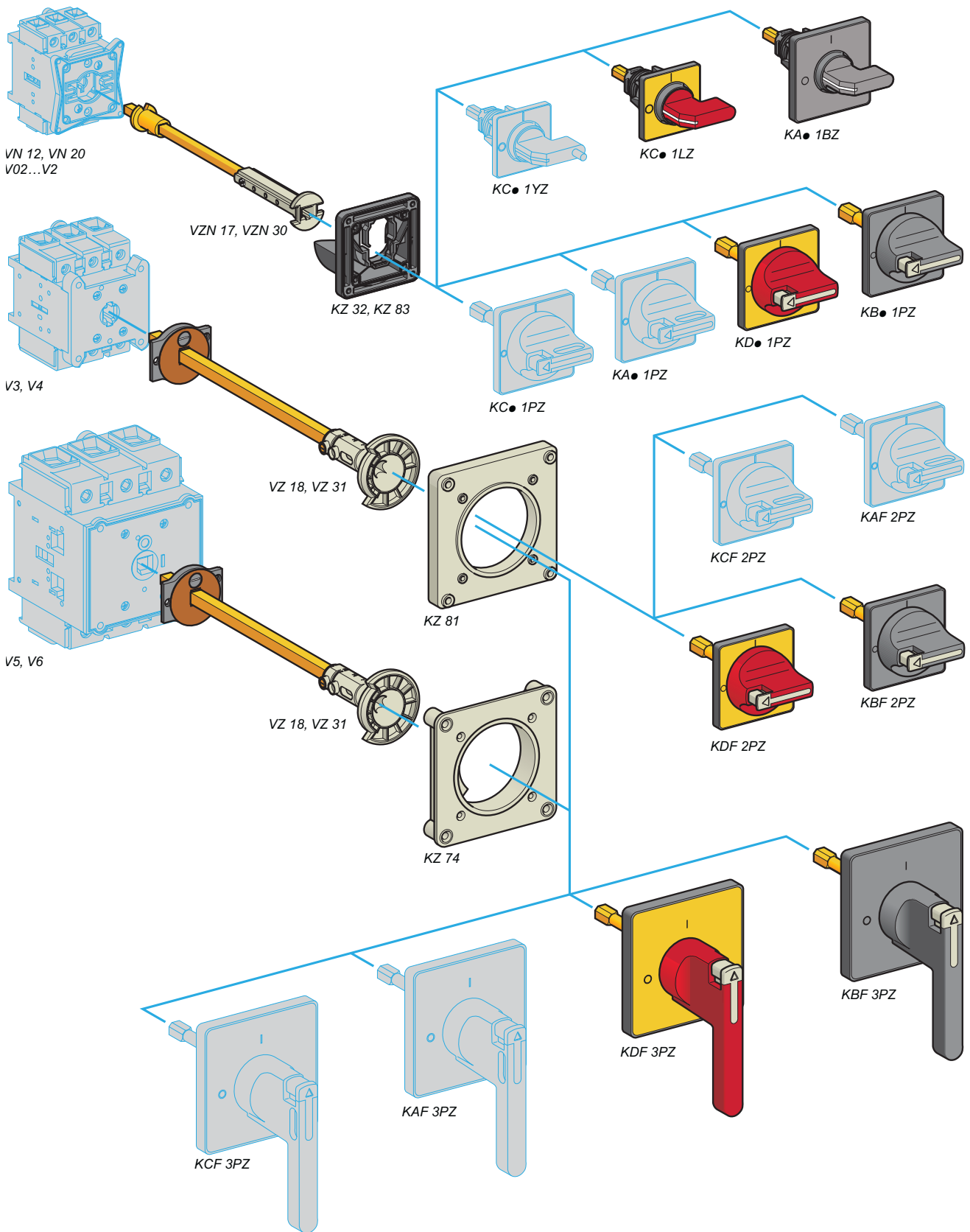
Terminal Shrouds	V02 - V2	VZ8	355
		VZ26	310
	V3 - V4	VZ9	375
		VZ27	310
	V5 - V6	VZ10	475
		VZ28	525
V02 - V6	VZ29	355	

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# TeSys Switches Accessories



# TeSys™ island Island Concept

TeSys island is an innovative digital load management solution-providing data for higher machine efficiency and ease of servicing, and allowing faster time to market.

TeSys island is a modular, multifunctional system providing integrated functions inside an automation architecture, primarily for the direct control and management of low-voltage loads.

After commissioning, TeSys island can switch, help protect, and manage motors and other electrical loads up to 37 kW installed in an electrical control panel.

This system is designed around the concept of TeSys avatars. These avatars:

- Are the functional object representing a logical function of the physical module with pre-defined logic
- Determine the configuration of the island.

The logical aspects of the island are managed with software tools, covering all phases of product and application lifecycle: design, engineering, commissioning, operation, and maintenance.



- |                            |                          |
|----------------------------|--------------------------|
| 1 Bus Coupler              | 5 Power interface module |
| 2 Analog I/O module        | 6 Standard Starter       |
| 3 Digital I/O module       | 7 SIL Starter            |
| 4 Voltage interface module | 8 SIL interface module   |

Designation	Product commercial reference	
<b>TeSys island components</b>		
Standard Starter	9A (AC-3)	TPRST009
	25A (AC-3)	TPRST025
	38A (AC-3)	TPRST038
	65A (AC-3)	TPRST065
	66A (AC-3) - 80A (AC-1)	TPRST080
SIL Starter	9A (AC-3)	TPRSS009
	25A (AC-3)	TPRSS025
	38A (AC-3)	TPRSS038
	65A (AC-3)	TPRSS065
	66A (AC-3) - 80A (AC-1)	TPRSS080
Power interface module	9A (AC-3)	TPRPM009
	38A (AC-3)	TPRPM038
	80A (AC-3)	TPRPM080
Voltage interface module		TPRVM001
SIL interface module		TPRSM001
Digital I/O module	(4 input - 2 output)	TPRDG4X2
Analog I/O module	(2 input -1 output)	TPRAN2X1
Bus Coupler	EtherNet/IP - Modbus TCP	TPRBCEIP
	PROFINET	TPRBCPFN
	PROFIBUS	TPRBCPF8
<b>Assembly and Wiring Kits</b>		
Kit for reversing starter application	for 9, 25, 38A (size 1 and 2) starters	LAD9R1
	for 65, 80A (size 3) starters	LAD9R3
Jumper bar 3-pole for Star Delta application	for 9, 25, 38A (size 1 and 2) starters	LAD9P3
	for 65, 80 A (size 3) starters, a hazard sticker is provided	LAD9SD3S



# TeSys U - Make the Starter Smarter



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



## Control Unit

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

Some of these also provide advanced measurement, alarm and display functions.

## 4 simple function modules

- Thermal overload alarm Indication of motor load
- Thermal overload signalling and manual reset
- Thermal overloaded signalling and automatic or remote reset.

## 6 communication modules

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

## Power Base

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

# 40%

“TeSys solutions allow us to reduce the size of our enclosure”  
 says a panel builder from the water treatment sector

# 60%

“Late customization means that we can build 60% of the panels, even though the project design has not yet been completed”  
 says an engineer in a food processing industry

## Quick Selection

Select 1	+	Select 1	Optional	or	Optional	or	Optional	Accessories						
<b>BasePower Unit</b> Non-Reversing LUB 120 0.. 12A with terminal 12 0.. 12A no terminal 120* 0.. 32A with terminal 32 0.. 32A no terminal 320* Reversing LUB2B 120 BL 0.. 12A with terminal 12 0.. 12A no terminal 120* 0.. 32A with terminal 32 0.. 32A no terminal 320* 24 V DC BL 24 V AC B 48..72 VAC or 48 VDC ES 110..240 VAC/DC FU <small>*prewired cables to be ordered separately</small>		<b>Control Unit</b> LUC B X6 BL Class 10, 3Ph B Class 10, 1Ph C Class 20, 3Ph D Multifunction M 0.15 to 0.6 A X6 0.35 to 1.4 A 1X 1.25 to 5 A 05 3 to 12 A 12 4.5 to 18 A 18 8 to 32 A 32 24V DC BL 24VAC B 48..72 VAC/48 VDC ES 110..240VAC/DC FU	<b>Communication Module*</b> LULC 033 Modbus Serial 033 Profibus DP 07 CANopen 08 DeviceNet 09 Advantys STB 15 ASI V2 ASILUFC51	or	<b>Function Module</b> LUF DH11 Fault diff. with manual reset DH11 Fault diff. with auto reset DA10 Thermal overload pre-alarm W10 Motor load indication (4-20mA) V2	or	<b>Auxiliary Contacts</b> Contactor auxiliary contacts LUFN 11 1NO + 1NC 11 2NC 02 2NO 20 Side contacts 2NO LUARE20 Power auxiliary contacts (trip status) LUA1C 20 1NO + 1NC 11 2NO 20	<b>Accessories</b> <table border="1"> <thead> <tr> <th>Description</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>Line spacer for UL508 Type E</td> <td>LUJSP0</td> </tr> <tr> <td>Current limiter 130kA@460V</td> <td>LUALB1</td> </tr> </tbody> </table>	Description	Reference	Line spacer for UL508 Type E	LUJSP0	Current limiter 130kA@460V	LUALB1
Description	Reference													
Line spacer for UL508 Type E	LUJSP0													
Current limiter 130kA@460V	LUALB1													

\*Suitable with 24V DC starter variant only

**Note:** For prices please contact regional sales office or customer care centre

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

☑ NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Wherever productivity is a concern, intelligence to Motor Control is the solution



TeSys T Intelligence system optimises the operational performance of LV motors through advanced protections and embedded intelligent functions inside intelligent Motor Control Centre (iMCC)



Discover  
TeSys T



# Tesys T Motor Management Systems

TeSys T covers all load monitoring and protection needs from feeders to critical process automation. The equipment is protected, while advanced diagnostics, statistics, and alarms help in anticipating unexpected production halts and minimize downtime. TeSys T is compact and a natural fit for control panels with IEC or NEMA standards. In addition, the system's connectivity and access to real-time data provides key information to enhance the operation and safety of the process while improving efficiency.

## Tesys T Controller:

Intelligent motor controller for 1P/3P Motors with built in CT up to 100Amps with accurate monitoring and protection functions, 6DI, 4DO, 1CBCT input, 1 Temperature probe

### Protection Functions:

- Thermal overload
- Phase imbalance and phase overloads
- Temperature monitoring via probes
- Phase reversal
- Ground fault detection
- Long start and Jam protection
- Load shedding
- Load fluctuations
- power factor monitoring

### Monitoring Functions:

- Phase and average current
- Line to Line and average voltage
- Motor temperature, ground current
- Active and Reactive Energy
- Frequency & Power Factor
- Detailed Fault history
- Fault counts
- motor statistics

### Control Functions:


- Local / Remote / HMI control
- Predefined programs for DOL, RDOL, Star-delta, two-speed starters

### Communication:




## Quick Selection

### TeSys T Controller




Reference			
LTM R	100	E	BD
<b>Current Range</b>			
0.4 - 8 A	08		
1.35 - 27 A	27		
5 - 100 A	100		
<b>Network Protocol</b>			
CAN Open	C		
DeviceNet	D		
Ethernet IP / Modbus TCP/IP	E		
Modbus	M		
Profibus DP	P		
<b>Control Voltage</b>			
24 V DC	BD		
110-240V AC	FM		



**TeSys T**  
Full and Flexible  
Intelligent Motor  
Management System

### TeSys T Accessories


#### TeSys T Expansion Module<sup>1,2</sup>



Control Voltage	Reference
24 V DC	LTM EV40BD
110V AC	LTM EV40FM


<sup>1</sup> Required for Voltage & Power measurement  
<sup>2</sup> 4 digital inputs

#### Operator Control Display



Description	Reference
Operator Control Display with configuration backup	LTM CUF


#### Connector for Expansion



Length (m)	Reference
0.04	LTMCC004 <sup>3</sup>
0.3	LTM9CEXP03


<sup>3</sup> Sold in lots of 6

#### Controller to Display Cable




Length (m)	Reference
1.0	LTM9CU10
3.0	LTM9CU30

#### Ground Fault CT's



Primary [A]	Internal Ø "d" [mm]	Reference
65	30	50437
85	50	50438
160	80	50439
250	120	50440
400	200	50441
630	300	50442

#### Current Transformers<sup>4</sup>



Primary [A]	Secondary [A]	Reference
100	1	LT6 CT1001
200	1	LT6 CT2001
400	1	LT6 CT4001
800	1	LT6 CT8001

Description	Composition	Reference
Programming software SoMove	1 Program for each PC	On request
PC connecting cable	USB to RS485 Converter	TCSMCNAM3M002P

**Note:** For prices please contact regional sales office or customer care centre



# TE Start - Lifeline of Motors



>> TDL



>> TSD/A



>> TRS

# TE Start & TeSys Motor Starters

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

## DOL Starters



Motor Power HP	Thermal Protection Adjustment Range	Device Short Name	Reference	Unit MRP [₹]
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### TDL, Automatic 1 Phase (0.17 - 3 HP)

0.17	1.1...1.7	5TDL	MS11AC04*	3020
0.33	2.5...4	5TDL	MS11AC06*	
0.5	4...6	5TDL	MS11AC07*	
1	5.5...8	5TDL	MS11AC09*	
1.5	9...13	10TDL	MS11AC10*	3370
2		10TDL	MS11AC11*	
3		10TDL	MS11AC13*	

### TDL, Automatic 3 Phase (0.05 - 125 HP)

0.05	0.16...0.25	5TDL	MS13AC01*	2890
0.125	0.24...0.4	5TDL	MS13AC03*	
0.25	0.63...1	5TDL	MS13AC05*	
0.33		5TDL	MS13AC06*	
0.5	1...1.7	5TDL	MS13AC07*	3000
0.75		5TDL	MS13AC08*	
1		5TDL	MS13AC09* ✓	
1.5	1.6...2.5	5TDL	MS13AC10*	3350
2	2.5...4	5TDL	MS13AC11* ✓	
3	4...6	5TDL	MS13AC12* ✓	
5	5.5...8	5TDL	MS13AC14* ✓	
7.5	9...13	10TDL	MS13AC15* ✓	
10	12...18	10TDL	MS13AC16* ✓	
12.5	16...24	15TDL	MS13AC17*	
15		15TDL	MS13AC18* ✓	
17.5	23...32	20TDL	MS13AC19*	
20		20TDL	MS13AC20*	
25	30...40	30TDL	MS13AC21*	14500
30	37...50	30TDL	MS13AC22*	
40	48...65	40TDL	MS13AC24*	19020
50	63...80	50TDL	MS13AC26*	21795
75	84...135	75TDL	MS13AC28*	33645
100	124...198	100TDL	MS13AC29*	43335
125		125TDL	MS13AC30*	55845

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

3	4...6	10TRS	MS13RJ12*	8210
5	5.5...8	10TRS	MS13RJ14*	
7.5	9...13	10TRS	MS13RJ15*	
10	12...18	10TRS	MS13RJ16*	
12.5	16...24	20TRS	MS13RJ17*	13435
15		20TRS	MS13RJ18*	
17.5	23...32	20TRS	MS13RJ19*	14180
20		20TRS	MS13RJ20*	

Reference to be completed by adding coil voltage code and recommended to check availability with Customer Care team

## Star Delta Starters



Motor Power HP	Thermal Protection Adjustment Range	Device Short Name	Reference	Unit MRP [₹]
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### TSD/A, Automatic 3 Phase (7.5 - 400 HP)

7.5	5.5...8	15TSDA	MS23AI15*	9790
10	7...10	15TSDA	MS23AI16* ✓	
12.5	9...13	15TSDA	MS23AI17*	9935
15		15TSDA	MS23AI18* ✓	
20	12...18	30TSDA	MS23AI20* ✓	11280
25	16...24	30TSDA	MS23AI21* ✓	12820
30	23...32	30TSDA	MS23AI22* ✓	14825
35		40TSDA	MS23AI23*	23770
40	30...38	40TSDA	MS23AI24*	26175
50	37...50	50TSDA	MS23AI26*	31775
60		75TSDA	MS23AI27*	55130
75	45...65	75TSDA	MS23AI28*	58870
100	62...99	100TSDA	MS23AI29*	76600
125	84...135	125TSDA	MS23AI30*	79545
150		150TSDA	MS23AI31*	99000
200		200TSDA	MS23AI32*	118970
250	174...279	250TSDA	MS23AI33*	150140

### \*Coil Voltage Code

VOLTAGE	220	415
AC 50Hz	M5	N5

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

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

## TeSys Starters DOL

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 7.5kW			
0.54...0.8	0.25	LE1M35**05	4320
0.8...1.2	0.37	LE1M35**06	4840
1.2...1.8	0.55	LE1M35**07	4805
1.8...2.6	0.75	LE1M35**08	5095
2.6...3.7	1.50	LE1M35**10	
3.7...5.5	2.20	LE1M35**12	4805
5.5...8	3	LE1M35**14	
8...11.5	4	LE1M35**16	5095
10...14	5.50	LE1M35**21	5400
12...16	7.50	LE1M35**22	5095

### \*\* Coil Voltage Code

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

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

✓ NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# Starters Spares

## Spare Parts

Description	Lot Order Quantity	Reference	Unit MRP [₹]
<b>For TDL, TRS &amp; TSD/A Starters</b>			
Pushbutton Actuator Assembly for 10/40/50/75/100/125 TDL	10	MSMC02	275
Pushbutton Switch Assembly for 10 TDL	10	MSMC03	535
Start Pushbutton Assembly for 40 - 400 TSDA	10	MSMI01	355
Stop Pushbutton Assembly for 40 - 400 TSDA	10	MSMI02	
9 Way Terminal Block for 15 TSDA	10	MSMI03	510
9 Way Terminal Block for 30 TSDA	10	MSMI04	
9 Way Terminal Block for 40 - 75 TSDA	10	MSMI05	1220
Pushbutton Actuator Assembly for 15/20/30 TDL, 10/20 TRS &15/30 TSDA	10	MSMK01	585

**Note:-** For Spare coil, contactor, O/L relay and accessories, please contact nearest sales office

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Type 2 Co-ordination chart with TeSys range

Type 2 co-ordination chart for Direct-On-Line starter with circuit breaker and overload protection built into the circuit breaker

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

Sr. No.	3 $\phi$ Motor power in kW	Current in A	Circuit Breaker	Setting range of thermal trips (A)	Contactor
1	0.06	0.2	GV2P02 or GV2ME02	0.16...0.25	LC1D09
2	0.09	0.3	GV2P03 or GV2ME03	0.25...0.4	LC1D09
3	0.12	0.44	GV2P04 or GV2ME04	0.4...0.63	LC1D09
4	0.18	0.6	GV2P04 or GV2ME04	0.4...0.63	LC1D09
5	0.25	0.85	GV2P05 or GV2ME05	0.63...1	LC1D09
6	0.37	1.0	GV2P05 or GV2ME05	0.63...1	LC1D09
7	0.55	1.5	GV2P06 or GV2ME06	1...1.6	LC1D09
8	0.75	1.9	GV2P07 or GV2ME07	1.6...2.5	LC1D09
9	1.1	2.7	GV2P08 or GV2ME08	2.5...4	LC1D09
10	1.5	3.6	GV2P08 or GV2ME08	2.5...4	LC1D09
11	2.2	4.9	GV2P10 or GV2ME10	4...6.3	LC1D09
12	3	6.5	GV2P14 or GV2ME14	6...10	LC1D09
13	4	8.5	GV2P14 or GV2ME14	6...10	LC1D09
14	5.5	11.5	GV2P16	9...14	LC1D25
15	7.5	15.5	GV2P20	13...18	LC1D25
16	9	18.1	GV2P21	17...23	LC1D25
17	11	22	GV2P22	20...25	LC1D25
18	15	29	GV2P32	25...40	LC1D32
19	18.5	35	GV3P40	30...40	LC1D50A
20	22	41	GV3P50	37...50	LC1D50A
21	30	55	GV3P65	48...65	LC1D65A
22	37	66	GV4PE/PEM80 <sup>*(2)</sup>	62...73	LC1D80
23	45	80	GV4PE/PEM115 <sup>*(2)</sup>	65...115	LC1D115
24	55	97	GV4PE/PEM115 <sup>*(2)</sup>	65...115	LC1D115
25	75	132	GV5P150 <sup>*(2)</sup>	70...150	LC1D150
26	90	160	GV5P220 <sup>*(2)</sup>	100...220	LC1F185
27	110	195	GV5P220 <sup>*(2)</sup>	100...220	LC1F225
28	132	230	GV6P320 <sup>*(2)</sup>	160...320	LC1F265
29	160	280	GV6P320 <sup>*(2)</sup>	160...320	LC1F330
30	220	385	GV6P500 <sup>*(2)</sup>	250...500	LC1F500
31	250	450	GV6P500 <sup>*(2)</sup>	250...500	LC1F500

(1) The breaking performance of circuit-breakers GV2 P can be increased by adding a current limiter GV1 L3

(2) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

Circuit breaker type	GV5P150*	GV5P220*	GV5P320*	GV6P500*	GV4PE/PEM80*	GV4PE/PEM115*
Breaking performance $I_q$ (kA) at 400/415V	70	70	70	70	50	50
Breaking performance code	H	H	H	H	N	N

For advanced protection, protection with Electronic Overcurrent Relays, heavy starting, please contact our sales teams.

# Type 2 Co-ordination chart

Type 2 co-ordination chart for Direct-On-Line starter with circuit breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

Sr. No.	3 $\Phi$ Motor power in kW	Current in Amps	Circuit Breaker	Contactor	Overload relay	
					Type	Range (A)
1	0.06	0.2	GV2L03 or GV2LE03	LC1D09	LRD02	0.16...0.25
2	0.09	0.3	GV2L03 or GV2LE03	LC1D09	LRD03	0.25...0.40
3	0.12	0.44	GV2L04 or GV2LE04	LC1D09	LRD04	0.4...0.63
4	0.18	0.6	GV2L04 or GV2LE04	LC1D09	LRD04	0.4...0.63
5	0.25	0.85	GV2L05 or GV2LE05	LC1D09	LRD05	0.63...1
6	0.37	1.0	GV2L05 or GV2P06	LC1D09	LRD05	0.63...1
7	0.55	1.5	GV2L06 or GV2LE06	LC1D09	LRD06	1...1.7
8	0.75	1.9	GV2L07 or GV2LE07	LC1D09	LRD07	1.6...2.5
9	1.1	2.7	GV2L08 or GV2LE08	LC1D09	LRD08	2.5...4
10	1.5	3.6	GV2L08 or GV2LE08	LC1D09	LRD08	2.5...4
11	2.2	4.9	GV2L10 or GV2LE10	LC1D09	LRD10	4...6
12	3	6.5	GV2L14 or GV2LE14	LC1D09	LRD12	5.5...8
13	4	8.5	GV2L14 or GV2LE14	LC1D09	LRD14	7...10
14	5.5	11.5	GV2L16	LC1D25	LRD16	9...13
15	7.5	15.5	GV2L20	LC1D25	LRD21	12...18
16	9	18.1	GV2L22	LC1D25	LRD22	16...24
17	11	22	GV2L22	LC1D25	LRD22	16...24
18	15	29	GV3L32	LC1D40A	LRD332	23...32
19	18.5	35	GV3L40	LC1D50A	LRD340	30...40
20	22	41	GV3L50	LC1D50A	LRD350	37...50
21	30	55	GV3L65	LC1D65A	LRD365	48...65
22	37	66	GV4L/LE80 <sup>(1)</sup>	LC1D80	LRD3363	63...80
23	45	80	GV4L/LE115 <sup>(1)</sup>	LC1D115	LR9D5367	60...100
24	55	97	GV4L/LE115 <sup>(1)</sup>	LC1D115	LR9D5369	90...150
25	75	132	NSX160*MA <sup>(1)</sup>	LC1D150	LR9D5369	90...150
26	90	160	NSX250*MA <sup>(1)</sup>	LC1F185	LR9F5371	132...220
27	110	195	NSX250*MA <sup>(1)</sup>	LC1F225	LR9F5371	132...220
28	132	230	NSX400* + Mic 1.3M <sup>(1)</sup>	LC1F265	LR9F7375	200...330
29	160	280	NSX400* + Mic 1.3M <sup>(1)</sup>	LC1F330	LR9F7375	200...330
30	200	350	NSX630* + Mic 1.3M <sup>(1)</sup>	LC1F400	LR9F7379	300...500
31	220	388	NSX630* + Mic 1.3M <sup>(1)</sup>	LC1F500	LR9F7379	300...500
32	250	430	NSX630* + Mic 1.3M <sup>(1)</sup>	LC1F500	LR9F7379	300...500

(1) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

Circuit breaker type	NSX100*MA	NSX160*MA, NSX250*MA	NSX400* NSX630*	GV4L/LE80*	GV4L/LE115*
Breaking performance $I_q$ (kA) at 400/415V	50	50	50	50	50
Breaking performance code	N	N	N	N	N

For advanced protection, protection with Electronic Overcurrent Relays, heavy starting, please contact our sales teams.

# Type 2 Co-ordination chart

Type 2 co-ordination chart for Star Delta starters with circuit-breaker and separate thermal overload relay

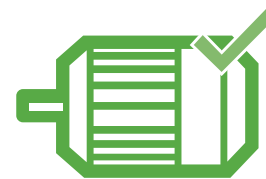
Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current ( $I_q$ ) = 50kA

Sr. No.	3 $\Phi$ Motor power in kW	Line current in Amps	Phase current in Amps	Circuit Breaker	Main/Delta Contactor	Star Contactor	Overload Relay	
							Type	Range (A)
1	5.5	11.5	6.6	GV2L16	LC1D25	LC1D09	LRD12	5.5..8
2	7.5	15.5	8.9	GV2L20	LC1D25	LC1D09	LRD14	7..10
3	9	18.1	10.5	GV2L22	LC1D25	LC1D09	LRD16	9..13
4	11	22	12.7	GV2L22	LC1D25	LC1D09	LRD21	12..18
5	15	29	16.7	GV3L32	LC1D40A	LC1D09	LRD318	12..18
6	18.5	35	20.2	GV3L40	LC1D50A	LC1D09	LRD325	17..25
7	22	41	23.7	GV3L50	LC1D50A	LC1D18	LRD332	23..32
8	30	55	31.8	GV3L65	LC1D65A	LC1D18	LRD340	30..40
9	37	66	38.1	GV3L73	LC1D80A	LC1D32	LRD350	37..50
10	37	66	38.1	GV4L/LE80 <sup>(1)</sup>	LC1D80A	LC1D32	LRD3357	37..50
11	45	80	46.2	GV4L/LE115 <sup>(1)</sup>	LC1D115	LC1D65A	LRD3357	37..50
12	55	97	56	GV4L/LE115 <sup>(1)</sup>	LC1D115	LC1D65A	LRD3359	48..65
13	75	132	76.2	NSX160*MA150 <sup>(1)</sup>	LC1D150	LC1D65A	LR9D5367	60 ... 100
14	90	160	92.4	NSX250*MA220 <sup>(1)</sup>	LC1F185	LC1D80	LR9F5367	60 ... 100
15	110	195	112.6	NSX250*MA220 <sup>(1)</sup>	LC1F225	LC1D80	LR9F5369	90 ... 150
16	132	230	132.8	NSX400*Mic 1.3M <sup>(1)</sup>	LC1F265	LC1D115	LR9F5369	90 ... 150
17	160	280	161.7	NSX400*Mic 1.3M <sup>(1)</sup>	LC1F330	LC1D150	LR9F5371	132 ... 220
18	200	350	202.1	NSX630*Mic 1.3M <sup>(1)</sup>	LC1F400	LC1F185	LR9F5371	132 ... 220
19	220	388	224	NSX630*Mic 1.3M <sup>(1)</sup>	LC1F400	LC1F185	LR9F7375	200 ... 330
20	250	430	248.3	NSX630*Mic 1.3M <sup>(1)</sup>	LC1F500	LC1F265	LR9F7375	200 ... 330

(1) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

Circuit breaker type	NSX100*MA	NSX160*MA, NSX250*MA	NSX400* NSX630*	GV4L/LE80*	GV4L/LE115*
Breaking performance $I_q$ (kA) at 400/415V	50	50	50	50	50
Breaking performance code	N	N	N	N	N

For advanced protection, protection with Electronic Overcurrent Relays, heavy starting, please contact our sales teams.

# Type 2 Co-ordination chart

Type 2 co-ordination chart for Star Delta starter with circuit breaker and overload protection built into circuit breaker

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage,  $U_e = 400/415V$ , 50/60Hz  
Short Circuit Current ( $I_q$ ) = 50kA / 70kA as per table

Sr. No.	3Φ Motor power in kW	Line current in Amps	Phase current in Amps	$I_q$ (kA)	Circuit Breaker	Main/Delta Contactor	Star Contactor
1	5,5	11.5	6.6	50	GV2P16	LC1D25	LC1D09
2	7,5	15.5	8.9	50	GV2P20	LC1D25	LC1D09
3	9	18.1	10.5	50	GV2P21	LC1D25	LC1D09
4	11	22	12.7	50	GV2P22	LC1D25	LC1D09
5	15	29	16,7	50	GV3P32	LC1D40A	LC1D09
6	18,5	35	20.2	50	GV3P40	LC1D50A	LC1D09
7	22	41	23.7	50	GV3P50	LC1D50A	LC1D18
8	30	55	31.8	50	GV3P65	LC1D65A	LC1D32
9	37	66	38.1	50	GV3P73	LC1D80A	LC1D32
10	37	66	38.1	70	GV4PE/PEM80 <sup>*(1)</sup>	LC1D80A	LC1D32
11	45	80	46.2	70	GV4PE/PEM115 <sup>*(1)</sup>	LC1D115	LC1D65A
12	55	97	56.0	70	GV4PE/PEM115 <sup>*(1)</sup>	LC1D115	LC1D65A
13	75	132	76.2	70	GV5P150 <sup>*(1)</sup>	LC1 D150	LC1D150
14	90	160	92.4	70	GV5P220 <sup>*(1)</sup>	LC1 F185	LC1F185
15	110	195	112.6	70	GV5P220 <sup>*(1)</sup>	LC1 F225	LC1F225
16	132	230	132.8	70	GV6P320 <sup>*(1)</sup>	LC1F265	LC1F265
17	160	280	161.7	70	GV6P320 <sup>*(1)</sup>	LC1F265	LC1F265
18	220	388	224.0	70	GV6P500 <sup>*(1)</sup>	LC1F500	LC1F500
19	250	430	248.3	70	GV6P500 <sup>*(1)</sup>	LC1F500	LC1F500

(1) Reference to be completed by replacing the \* with the breaking performance code as per table given below:

Circuit breaker type	GV5P150*	GV5P220*	GV5P320*	GV6P500*	GV4PE/PEM80*	GV4PE/PEM115*
Breaking performance $I_q$ (kA) at 400/415V	70	70	70	70	50	50
Breaking performance code	H	H	H	H	N	N



# Type 2 Co-ordination chart

Type 2 Co-ordination chart for Direct-On-Line starter with circuit breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Sr. No.	3 $\Phi$ Motor power in kW	Circuit Breaker	Contactors	Thermal Overload Relay
1	0.18	GV4L/LE02*	LC1D09	LRD05
2	0.25	GV4L/LE02*	LC1D09	LRD05
3	0.37	GV4L/LE02*	LC1D09	LRD06
4	0.55	GV4L/LE02*	LC1D09	LRD06
5	0.75	GV4L/LE02*	LC1D09	LRD07
6	1.1	GV4L/LE03*	LC1D25	LRD08
7	1.5	GV4L/LE07*	LC1D32+GV1L3	LRD08
8	2.2	GV4L/LE07*	LC1D32+GV1L3	LRD10
9	3	GV4L/LE07*	LC1D40A	LRD12
10	4	GV4L/LE12*	LC1D65A	LRD14
11	5.5	GV4L/LE12*	LC1D65A	LRD313
12	7.5	GV4L/LE25*	LC1D65A	LRD318
13	10	GV4L/LE25*	LC1D65A	LRD325
14	11	GV4L/LE25*	LC1D65A	LRD325
15	15	GV4L/LE50*	LC1D65A	LRD332
16	18.5	GV4L/LE50*	LC1D65A	LRD340
17	22	GV4L/LE50*	LC1D65A	LRD350
18	30	GV4L/LE80*	LC1D65A	LRD365

\* - Reference to be completed by replacing the \* with the breaking performance code as per table given below:

Performance I<sub>q</sub> (kA) at 415V

Circuit breaker	Breaking performance code		
	B	N	S
GV4L/LE02-12	-	50	100
GV4L/LE25-115	25	50	100

# Type 2 Co-ordination chart

Type 2 Co-ordination chart for Star Delta starter with circuit breaker and separate thermal overload relay

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Sr. No.	P (kW)	I <sub>e</sub> (A)	I <sub>e</sub> /1,73 (A)	Circuit Breaker	Main/Delta Contactor	Star Contactor	Thermal Overload Relay	
1	0.25	0.85	0.5	GV4L/LE02*	LC1D09	LC1D09	LRD05	0.63...1
2	0.37	1	0.6	GV4L/LE02*	LC1D09	LC1D09	LRD06	1...1.7
3	0.55	1.5	0.9	GV4L/LE02*	LC1D09	LC1D09	LRD06	1...1.7
4	0.75	1.9	1.1	GV4L/LE02*	LC1D09	LC1D09	LRD07	1.6...2.5
5	1.1	2.7	1.6	GV4L/LE03*	LC1D25	LC1D09	LRD08	2.5...4
6	1.5	3.6	2.1	GV4L/LE07*	LC1D32+GV1L3	LC1D09	LRD08	2.5...4
7	2.2	4.9	2.8	GV4L/LE07*	LC1D32+GV1L3	LC1D09	LRD10	4...6
8	3	6.5	3.8	GV4L/LE07*	LC1D40A	LC1D09	LRD12	5.5...8
9	4	8.5	4.9	GV4L/LE12*	LC1D65A	LC1D09	LRD14	7...10
10	5.5	11.5	6.6	GV4L/LE12*	LC1D65A	LC1D09	LRD313	9...13
11	7.5	15.5	8.9	GV4L/LE25*	LC1D65A	LC1D09	LRD318	12...18
12	9	18.1	10.5	GV4L/LE25*	LC1D65A	LC1D09	LRD325	16...24
13	11	22	12.7	GV4L/LE25*	LC1D65A	LC1D09	LRD325	16...24
14	15	29	16.7	GV4L/LE50*	LC1D65A	LC1D18	LRD332	23...32
15	18.5	35	20.2	GV4L/LE50*	LC1D65A	LC1D18	LRD340	30...40
16	22	41	23.7	GV4L/LE50*	LC1D65A	LC1D18	LRD350	37...50
17	30	55	31.8	GV4L/LE80*	LC1D65A	LC1D25	LRD365	48...65
18	37	66	38.1	GV4L/LE80*(1)	LC1D80A	LC1D32	LRD3357	37..50

\* - Reference to be completed by replacing the \* with the breaking performance code as per table given below:

Performance I<sub>q</sub> (kA) at 415V

Circuit breaker	Breaking performance code		
	B	N	S
GV4L/LE02-12	-	50	100
GV4L/LE25-115	25	50	100

# Type 2 Recommended Selection Charts for Motor Feeder with EasyPact

## Notes:

- Selection is for Normal Starting time (Relay Trip classes 10A/10) applications.
- Overload relay type LRE and EOCR both can be used. However, while using EOCR, setting of Trip class in EOCR should be up to 10/10A only.
- For high Inertia loads like Blowers, Pumps & ID/FD fans etc., if taking longer starting time, kindly consult us to derive the selection. However, this selection can still be used if these applications accept relay trip class 10A/10.
- Service factor of the motors considered is 1
- Selection is directly valid for Switching & Protection of Motors which comply to IS: 12615 efficiency class and can also be used for other non-standard motors whose starting current is less than or equal to starting currents as described in IS: 12615
- The rated motor current used for derivation is Full Load Current (FLC) for 3-phase, 4 Pole Squirrel Cage Induction Motors as indicated in IS: 12615. Selection can also be used for 2 Pole, 6 Pole and 8 Pole Motors based on rated motor current.
- Higher ratings of Contactors can be used in place of recommended combinations.
- These charts are derived basis Type-2 Methodology described in IEC 60947-4, Clause B.4.5.
- For Star-Delta Motor feeders, In-side delta wiring is considered.
- For Star Delta Motor feeders, proper Change-over time and Pause time must be ensured. Selected combination of Motor feeders components in this chart are valid only and only when used along with timer MSMI06 and equivalent timer from Schneider.
- This selection is valid only for suggested Product combinations. Change in any of the recommended combination including timer will invalidate the recommendations and Human safety, Installation safety and product safety requirements may not be fulfilled.
- In case of motor feeders with Circuit breaker, ensure proper Instantaneous setting as suggested in respective charts, if any.
- Max. Operating rate per Hour for contactors & Circuit breaker for Motor protection shall not be exceeded.
- Product evolution and improvement is a Continuous process at Schneider Electric. Hence, recommendations and guidelines are subject to change. Contact Schneider Electric for latest guidelines.

Contact our nearest sales office for application specific Custom / optimised selection for your motor feeders having motors with service factor more than 1, longer starting time applications, Closed transition star delta starters, other than 400/415V perational voltages, starting currents / inrush currents lower than specified in IS 12615

# Selection Chart

Direct-on-Line starters with circuit-breaker and overload protection built into the circuit-breaker  
Type GZ1E

Reliable  
switching for  
IE2/IE3 motors



IE2



IE3

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

Sr. No.	3Φ Motors			I <sub>q</sub> Current (kA)	Contactor	Overload Relay		Circuit Breaker	
	kW	HP	FLC - I <sub>n</sub> (Amps)			Type	Range (A)	Type	Rating (A)
1	0.06	x	0.19	50	LC1E09	In-built in Circuit Breaker		GZ1E02	0.16 - 0.25
2	0.09	x	0.28	50	LC1E09			GZ1E03	0.25 - 0.4
3	0.12	0.16	0.51	50	LC1E09			GZ1E04	0.4 - 0.63
4	0.18	0.25	0.6	50	LC1E09			GZ1E04	0.4 - 0.63
5	0.25	0.33	0.8	50	LC1E09			GZ1E05	0.63 - 1
6	0.37	0.5	1.4	50	LC1E09			GZ1E06	1 - 1.6
7	0.55	0.75	1.7	50	LC1E09			GZ1E07	1.6 - 2.5
8	0.75	1	2.2	50	LC1E09			GZ1E07	1.6 - 2.5
9	1.1	1.5	2.9	50	LC1E09			GZ1E08	2.5 - 4
10	1.3	1.75	3	50	LC1E09			GZ1E08	2.5 - 4
11	1.5	2	3.8	50	LC1E09			GZ1E08	2.5 - 4
12	2.2	3	5.1	50	LC1E18			GZ1E10	4 - 6.3
13	3	4	6	50	LC1E18			GZ1E14	6 - 10
14	3.7	5	8.1	50	LC1E25			GZ1E14	6 - 10
15	4	5.5	8.5	50	LC1E25			GZ1E14	6 - 10
16	5.5	7.5	11.4	50*	LC1E32			GZ1E16	9 - 14
17	7.5	10	15.4	50*	LC1E32			GZ1E20	13 - 18
18	9.3	12.5	17.3	50*	LC1E40B			GZ1E21	17 - 23
19	11	15	22	50*	LC1E40B			GZ1E22	20 - 25
20	13	17.5	24	50*	LC1E50			GZ1E32	24 - 32
21	15	20	30	50*	LC1E50			GZ1E32	24 - 32

\* 50kA With current Limiter type GV1L3, 10kA without current limiter

# Selection Chart

Direct-On-Line starters with circuit-breaker GZL1LE and separate thermal overload relay

Reliable  
switching for  
IE2/IE3 motors



IE2



IE3

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$  upto 4kw and above 4kw with 50kA  
With current Limiter type GV1L3, 10kA without current limiter

Type-2 Recommended Selection

Sr. No.	P (kW)	$I_e$ (A)	Circuit Breaker	Contactor	Thermal Overload relay	Range (A)
1	0.09	0.4	GZ1LE03	LC1E09	LRE03	0.25...0.40
2	0.18	0.63	GZ1LE04	LC1E09	LRE04	0.4...0.63
3	0.25	1	GZ1LE05	LC1E09	LRE05	0.63...1
4	0.37	1.4	GZ1LE06	LC1E09	LRE06	1...1.6
5	0.75	2.2	GZ1LE07	LC1E09	LRE07	1.6...2.5
6	1.5	3.8	GZ1LE08	LC1E09	LRE08	2.5...4
7	2.2	5.1	GZ1LE10	LC1E18	LRE10	4...6
8	4	8.5	GZ1LE14	LC1E25	LRE14	7...10
9	5.5	11.4	GZ1LE16	LC1E32	LRE16	9...13
10	7.5	15.4	GZ1LE20	LC1E32	LRE21	12...18
11	9.3	17.3	GZ1LE22	LC1E40	LRE22	16...24
12	11	22	GZ1LE22	LC1E40	LRE22	16...24
13	15	30	GZ1LE32	LC1E50	LRE32	23...32

Star Delta starters with circuit-breaker GZL1LE and separate thermal overload relay

Type-2 Recommended Selection

Sr. No.	P (kW)	$I_e$ (A)	$I_e/1,73$ (A)	Circuit Breaker	Main/Delta Contactor	Star Contactor	Thermal Overload Relay	
1	0.09	0.4	0.2	GZ1LE03	LC1E09	LC1E09	LRE02	0.16...0.25
2	0.18	0.63	0.4	GZ1LE04	LC1E09	LC1E09	LRE03	0.25...0.40
3	0.25	1	0.6	GZ1LE05	LC1E09	LC1E09	LRE04	0.4...0.63
4	0.37	1.4	0.8	GZ1LE06	LC1E09	LC1E09	LRE05	0.63...1
5	0.75	2.2	1.3	GZ1LE07	LC1E09	LC1E09	LRE06	1...1.6
6	1.5	3.8	2.2	GZ1LE08	LC1E09	LC1E09	LRE07	1.6...2.5
7	2.2	5.1	2.9	GZ1LE10	LC1E18	LC1E09	LRE08	2.5...4
8	4	8.5	4.9	GZ1LE14	LC1E25	LC1E09	LRE10	4...6
9	5.5	11.4	6.6	GZ1LE16	LC1E32	LC1E09	LRE12	5.5...8
10	7.5	15.4	8.9	GZ1LE20	LC1E32	LC1E09	LRE14	7...10
11	9.3	17.3	10.0	GZ1LE22	LC1E40B	LC1E18	LRE16	9...13
12	11	22	12.7	GZ1LE22	LC1E40B	LC1E18	LRE16	9...13
13	15	30	17.3	GZ1LE32	LC1E50	LC1E18	LRE21	12...18



# Selection Chart

Direct-on-Line starters with Fuses and overload protection by separate overload relay type LRE (thermal) or EOCR\*\* (up to Trip class 10/10A)

Reliable  
switching for  
IE2 motors



IE2

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

Sr. No.	3Φ Motors			Contactor	Overload Relay		Nominal Back-up Fuse			SDF
	kW	HP	FLC - $I_n$ (Amps)		Type	Range (A)	Fuse	Fuse Rating	Fuse Size	
1	0.12	0.16	0.51	LC1E09	LRE04	0.4-0.63	4NHG000B	4	000	NX032
2	0.18	0.25	0.6	LC1E09	LRE04	0.4-0.63	4NHG000B	4	000	NX032
3	0.25	0.33	0.8	LC1E09	LRE05	0.63-1	4NHG000B	4	000	NX032
4	0.37	0.5	1.4	LC1E09	LRE06	1-1.6	4NHG000B	4	000	NX032
5	0.55	0.75	1.7	LC1E09	LRE06	1-1.6	4NHG000B	4	000	NX032
6	0.75	1	2.2	LC1E09	LRE07	1.6-2.5	6NHG000B	6	000	NX032
7	1.1	1.5	2.9	LC1E09	LRE08	2.5-4	10NHG000B	10	000	NX032
8	1.3	1.75	3	LC1E09	LRE08	2.5-4	10NHG000B	10	000	NX032
9	1.5	2	3.8	LC1E09	LRE08	2.5-4	10NHG000B	10	000	NX032
10	2.2	3	5.1	LC1E09	LRE10	4-6	16NHG000B	16	000	NX032
11	3	4	6	LC1E09	LRE12	5.5-8	20NHG000B	20	000	NX032
12	3.7	5	8.1	LC1E09	LRE14	7-10	20NHG000B	20	000	NX032
13	4	5.5	8.5	LC1E09	LRE14	7-10	20NHG000B	20	000	NX032
14	5.5	7.5	11.4	LC1E12	LRE16	9-13	25NHG000B	25	000	NX032
15	7.5	10	15.4	LC1E18	LRE21	12-18	32NHG000B	32	000	NX063
16	9.3	12.5	17.3	LC1E25	LRE22	16-24	50NHG000B	50	000	NX063
17	11	15	22	LC1E25	LRE22	16-24	50NHG000B	50	000	NX063
18	13	17.5	24	LC1E32	LRE32	23-32	50NHG000B	50	000	NX063
19	15	20	30	LC1E32	LRE32	23-32	63NHG000B	63	000	NX063
20	18.5	25	36	LC1E40	LRE355	30-40	80NHG000B	80	000	NX080
21	22	30	43	LC1E50	LRE357	37-50	80NHG000B	80	000	NX080
22	30	40	56	LC1E65	LRE359	48-65	100NHG000B	100	000	NX100
23	37	50	69	LC1E80	LRE363	63-80	125NHG00B	125	00	NX125
24	45	60	84	LC1E95	LRE365	80-104	160NHG00B	160	00	NX160
25	55	75	99	LC1E120	LRE482	84-135	160NHG00B	160	00	NX160
26	75	100	134	LC1E160	LRE483*	124-198	250NHG1B	250	1	NX250
27	80	110	139	LC1E160	LRE483*	124-198	250NHG1B	250	1	NX250
28	90	120	164	LC1E200	LRE483	124-198	250NHG1B	250	1	NX250
29	110	150	204	LC1E250	LRE484	146-234	250NHG1B	250	1	NX250
30	125	170	234	LC1E250	LRE485	174-279	315NHG2B	315	2	NX315
31	132	180	247	LC1E250	LRE485	174-279	315NHG2B	315	2	NX315
32	160	215	288	LC1E300	LRE486	208-333	400NHG2B	400	2	NX400
33	180	240	298	LC1E300	LRE486	208-333	400NHG2B	400	2	NX400
34	200	270	348	LC1E400	LRE487	258-414	400NHG2B	400	2	NX400
35	225	300	360	LC1E400	LRE487	258-414	500NHG3B	500	3	NX630
36	250	335	435	LC1E500	LRE488	321-513	630NHG3B	630	3	NX630
37	275	370	440	LC1E500	LRE488	321-513	630NHG3B	630	3	NX630
38	315	425	548	LC1E630	LRE489	394-630	800NHG3B	800	3	NA
39	335	452	580	LC1E630	LRE489	394-630	800NHG3B	800	3	NA

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue.

\*\* Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOCR to be used with this selection charts.

# Selection Chart

Star Delta starters with Fuses and overload protection by separate overload relay type LRE (thermal) or EOCR\*\* (up to Trip class 10/10A)

Reliable  
switching for  
IE2 motors



IE2

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

Sr. No.	3Φ Motors				Contactor			Overload Relay		Nominal Back-up Fuse			SDF	Minimum Pause time (mSec)	Star-Delta Timer#
	kW	HP	FLC - $I_n$ (Amps)		Main	Delta	Star	Type	Range (A)	Fuse type	Fuse Rating	Fuse Size			
			Line	Phase											
1	0.75	1	2.2	1.3	LC1E09	LC1E09	LC1E09	LRE06	1-1.6	4NHG000B	4	000	NX032	50	MSMI06
2	1.1	1.5	2.9	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	4NHG000B	4	000	NX032	50	MSMI06
3	1.3	1.75	3	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	4NHG000B	4	000	NX032	50	MSMI06
4	1.5	2	3.8	2.2	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	6NHG000B	6	000	NX032	50	MSMI06
5	2.2	3	5.1	2.9	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	10NHG000B	10	000	NX032	50	MSMI06
6	3	4	6	3.5	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	10NHG000B	10	000	NX032	50	MSMI06
7	3.7	5	8.1	4.7	LC1E09	LC1E09	LC1E09	LRE10	4-6	10NHG000B	10	000	NX032	50	MSMI06
8	4	5.5	8.5	4.9	LC1E09	LC1E09	LC1E09	LRE10	4-6	16NHG000B	16	000	NX032	50	MSMI06
9	5.5	7.5	11.4	6.6	LC1E09	LC1E09	LC1E09	LRE12	5.5-8	16NHG000B	16	000	NX032	50	MSMI06
10	7.5	10	15.4	8.9	LC1E09	LC1E09	LC1E09	LRE14	7-10	20NHG000B	20	000	NX032	50	MSMI06
11	9.3	12.5	17.3	10.0	LC1E12	LC1E12	LC1E09	LRE14	7-10	20NHG000B	20	000	NX032	50	MSMI06
12	11	15	22	12.7	LC1E18	LC1E18	LC1E09	LRE16	9-13	32NHG000B	32	000	NX032	50	MSMI06
13	15	20	30	17.3	LC1E18	LC1E18	LC1E09	LRE21	12-18	40NHG000B	40	000	NX063	50	MSMI06
14	18.5	25	36	20.8	LC1E25	LC1E25	LC1E09	LRE22	16-24	40NHG000B	40	000	NX063	50	MSMI06
15	22	30	43	24.8	LC1E25	LC1E25	LC1E25	LRE32	23-32	50NHG000B	50	000	NX063	50	MSMI06
16	30	40	56	32.3	LC1E40	LC1E40	LC1E25	LRE355	30-40	63NHG000B	63	000	NX063	50	MSMI06
17	37	50	69	39.8	LC1E50	LC1E50	LC1E32	LRE355	30-40	80NHG000B	80	000	NX080	50	MSMI06
18	45	60	84	48.5	LC1E50	LC1E50	LC1E32	LRE357	37-50	100NHG000B	100	00	NX125	50	MSMI06
19	55	75	99	57.2	LC1E65	LC1E65	LC1E40	LRE359	48-65	125NHG000B	125	00	NX125	50	MSMI06
20	75	100	134	77.4	LC1E80	LC1E80	LC1E65	LRE363	63-80	160NHG000B	160	00	NX160	50	MSMI06
21	80	110	139	80.3	LC1E80	LC1E80	LC1E80	LRE363	63-80	160NHG000B	160	00	NX160	50	MSMI06
22	90	120	164	94.7	LC1E95	LC1E95	LC1E80	LRE365	80-104	200NHG1B	200	1	NX200	50	MSMI06
23	110	150	204	117.8	LC1E120	LC1E120	LC1E95	LRE482	84-135	250NHG1B	250	1	NX250	50	MSMI06
24	125	170	234	135.1	LC1E160	LC1E160	LC1E120	LRE483*	124-198	250NHG1B	250	1	NX250	50	MSMI06
25	132	180	247	142.6	LC1E160	LC1E160	LC1E120	LRE483*	124-198	250NHG1B	250	1	NX250	50	MSMI06
26	150	200	248	143.2	LC1E160	LC1E160	LC1E120	LRE483*	124-198	250NHG1B	250	1	NX250	50	MSMI06
27	160	215	288	166.3	LC1E200	LC1E200	LC1E160	LRE483	124-198	315NHG2B	300	2	NX315	50	MSMI06
28	180	240	298	172.1	LC1E200	LC1E200	LC1E160	LRE483	124-198	315NHG2B	300	2	NX315	50	MSMI06
29	200	270	348	200.9	LC1E250	LC1E250	LC1E160	LRE484	146-234	400NHG2B	400	2	NX400	50	MSMI06
30	225	300	360	207.9	LC1E250	LC1E250	LC1E160	LRE484	146-234	400NHG2B	400	2	NX400	50	MSMI06
31	250	335	435	251.2	LC1E300	LC1E300	LC1E200	LRE485	174-279	450NHG3B	450	3	NX630	50	MSMI06
32	275	370	440	254.0	LC1E300	LC1E300	LC1E200	LRE485	174-279	450NHG3B	450	3	NX630	50	MSMI06
33	315	425	548	316.4	LC1E400	LC1E400	LC1E250	LRE486	208-333	630NHG3B	630	3	NX630	50	MSMI06
34	335	452	580	334.9	LC1E400	LC1E400	LC1E250	LRE487	258-414	630NHG3B	630	3	NX630	50	MSMI06
35	355	475	618	356.8	LC1E400	LC1E400	LC1E250	LRE487	258-414	630NHG3B	630	3	NX630	50	MSMI06
36	375	502	653	377.0	LC1E400	LC1E400	LC1E250	LRE487	258-414	800NHG3B	800	3	NA	50	MSMI06
37	400	535	674	389.1	LC1E500	LC1E500	LC1E300	LRE487	258-414	800NHG3B	800	3	NA	200	MSMI06

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue. Use alternate suggested for direct mounting.

\*\*Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOCR to be used with this selection charts.

# For guaranteed performance, Motor feeders built using this chart must make use of MSMI06 or equivalent Schneider Electric make timer only.

# Selection Chart

Direct-on-Line starters with circuit-breaker type CVS and overload protection by separate overload relay type LRE (thermal) or EOOCR\*\* (up to Trip class 10/10A)

Reliable  
switching for  
IE2/IE3 motors



IE2



IE3

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

Sr. No.	3Φ Motors			Contactor	Overload Relay		Circuit Breaker			
	kW	HP	FLC - $I_n$ (Amps)		Type	Range (A)	Type	Trip Unit Rating	Magnetic Setting Range	Setting on Trip Unit in Amps
1	0.37	0.5	1.4	LC1E09	LRE06	1-1.6	CVS100-MA	2.5	6-14	15
2	0.55	0.75	1.7	LC1E09	LRE07	1.6-2.5	CVS100-MA	2.5	6-14	17.5
3	0.75	1	2.2	LC1E09	LRE07	1.6-2.5	CVS100-MA	2.5	6-14	22.5
4	1.1	1.5	2.9	LC1E09	LRE08	2.5-4	CVS100-MA	6.3	6-14	31.5
5	1.3	1.75	3	LC1E09	LRE08	2.5-4	CVS100-MA	6.3	6-14	31.5
6	1.5	2	3.8	LC1E09	LRE08	2.5-4	CVS100-MA	6.3	6-14	37.8
7	2.2	3	5.1	LC1E18	LRE10	4-6	CVS100-MA	6.3	6-14	63
8	3	4	6	LC1E18	LRE10	4-6	CVS100-MA	6.3	6-14	69.3
9	3.7	5	8.1	LC1E25	LRE14	7-10	CVS100-MA	12.5	6-14	100
10	4	5.5	8.5	LC1E25	LRE14	7-10	CVS100-MA	12.5	6-14	100
11	5.5	7.5	11.4	LC1E32	LRE16	9-13	CVS100-MA	12.5	6-14	137.5
12	7.5	10	15.4	LC1E32	LRE21	12-18	CVS100-MA	25	6-14	175
13	9.3	12.5	17.3	LC1E32	LRE21	12-18	CVS100-MA	25	6-14	200
14	11	15	22	LC1E40B	LRE22	16-24	CVS100-MA	25	6-14	275
15	13	17.5	24	LC1E40B	LRE22	16-24	CVS100-MA	25	6-14	300
16	15	20	30	LC1E50	LRE32* or LRE353	23-32	CVS100-MA	50	6-14	350
17	18.5	25	36	LC1E65	LRE35* or LRE355	30-38* 30-40	CVS100-MA	50	6-14	450
18	22	30	43	LC1E65	LRE357	37-50	CVS100-MA	50	6-14	500
19	30	40	56	LC1E80	LRE359	48-65	CVS100-MA	100	6-14	700
20	37	50	69	LC1E95	LRE361	55-70	CVS100-MA	100	6-14	800
21	45	60	84	LC1E120	LRE482	84-135	CVS100-MA	100	6-14	1000
22	55	75	99	LC1E160	LRE482	84-135	CVS100-MA	100	6-14	1200
23	75	100	134	LC1E160	LRE482	84-135	CVS250-MA	150	9-14	1650
24	80	110	139	LC1E160	LRE483	124-198	CVS250-MA	150	9-14	1650
25	90	120	164	LC1E200	LRE483	124-198	CVS250-MA	220	9-14	1980
26	110	150	204	LC1E250	LRE484	146-234	CVS250-MA	220	9-14	2420
27	125	170	234	LC1E300	LRE484	146-234	CVS400-MA	320	6-13	2880
28	132	180	247	LC1E300	LRE485	174-279	CVS400-MA	320	6-13	3200
29	160	215	288	LC1E400	LRE486	208-333	CVS400-MA	320	6-13	3520
30	180	240	298	LC1E400	LRE486	208-333	CVS400-MA	320	6-13	3520
31	200	270	348	LC1E400	LRE487	258-414	CVS630-MA	500	6-13	4500
32	225	300	360	LC1E500	LRE487* or LRE488	258-414* 321-513	CVS630-MA	500	6-13	4500
33	250	335	435	LC1E500	LRE488	321-513	CVS630-MA	500	6-13	5500
34	275	370	440	LC1E630	LRE489	394-630	CVS630-MA	500	6-13	5500
35	315	425	548	LC1E630	LRE489	394-630	CVS630-ETS	630	2-10	6300
36	335	452	580	LC1E630	LRE489	394-630	CVS630-ETS	630	2-10	6300
37	355	475	618	LC1E630	LRE489	394-630	CVS800-TMD	800	3.5-10	8000

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue. Use alternate suggested for direct mounting.

\*\* Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOOCR to be used with this selection charts.

# Selection Chart

Star Delta starters with circuit-breaker type CVS and overload protection by separate overload relay type LRE (thermal) or EOCR\*\* (up to Trip class 10/10A)

Reliable  
switching for  
IE2/IE3 motors



IE2



IE3

Rated Operational Voltage,  $U_e = 400/415V, 50/60Hz$   
Short Circuit Current  $I_q = 50kA$

Type-2 Recommended Selection

Sr. No.	3Φ Motors				Contactor			Overload Relay		Circuit Breaker				Minimum Pause time (mSec)	Star-Delta Timer#
	kW	HP	FLC - $I_n$ (Amps)					Type	Range (A)	Type	Trip Unit Rating	Mag-netic Setting Range	Setting on Trip Unit in Amps		
			Line	Phase	Main	Delta	Star								
1	0.75	1	2.2	1.3	LC1E09	LC1E09	LC1E09	LRE06	1-1.6	CVS100-MA	6.3	6-14	37.8	50	MSMI06
2	1.1	1.5	2.9	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	CVS100-MA	6.3	6-14	50.4	50	MSMI06
3	1.3	1.8	3	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	CVS100-MA	6.3	6-14	50.4	50	MSMI06
4	1.5	2	3.8	2.2	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	CVS100-MA	6.3	6-14	63	50	MSMI06
5	2.2	3	5.1	2.9	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	CVS100-MA	12.5	6-14	100	50	MSMI06
6	3	4	6	3.5	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	CVS100-MA	12.5	6-14	112.5	50	MSMI06
7	3.7	5	8.1	4.7	LC1E09	LC1E09	LC1E09	LRE10	4-6	CVS100-MA	12.5	6-14	150	50	MSMI06
8	4	5.5	8.5	4.9	LC1E09	LC1E09	LC1E09	LRE10	4-6	CVS100-MA	12.5	6-14	162.5	50	MSMI06
9	5.5	7.5	11.4	6.6	LC1E12	LC1E12	LC1E09	LRE12	5.5-8	CVS100-MA	25	6-14	225	50	MSMI06
10	7.5	10	15.4	8.9	LC1E18	LC1E18	LC1E09	LRE14	7-10	CVS100-MA	25	6-14	300	50	MSMI06
11	9.3	13	17.3	10	LC1E25	LC1E25	LC1E12	LRE14	7-10	CVS100-MA	25	6-14	325	50	MSMI06
12	11	15	22	12.7	LC1E25	LC1E25	LC1E12	LRE16	9-13	CVS100-MA	50	6-14	400	50	MSMI06
13	13	18	24	13.9	LC1E32	LC1E32	LC1E12	LRE21	12-18	CVS100-MA	50	6-14	450	50	MSMI06
14	15	20	30	17.3	LC1E32	LC1E32	LC1E18	LRE21	12-18	CVS100-MA	50	6-14	550	50	MSMI06
15	18.5	25	36	20.8	LC1E40B	LC1E40B	LC1E25	LRE22	16-24	CVS100-MA	50	6-14	700	50	MSMI06
16	22	30	43	24.8	LC1E40	LC1E40	LC1E32	LRE32* or LRE353	23-32	CVS100-MA	100	6-14	800	50	MSMI06
17	30	40	56	32.3	LC1E50	LC1E50	LC1E38	LRE355	30-40	CVS100-MA	100	6-14	1100	50	MSMI06
18	37	50	69	39.8	LC1E65	LC1E65	LC1E40	LRE355	30-40	CVS100-MA	100	6-14	1300	50	MSMI06
19	45	60	84	48.5	LC1E80	LC1E80	LC1E50	LRE357	37-50	CVS250-MA	150	9-14	1650	50	MSMI06
20	55	75	99	57.2	LC1E95	LC1E95	LC1E65	LRE359	48-65	CVS250-MA	150	9-14	1950	50	MSMI06
21	75	100	134	77.4	LC1E120	LC1E120	LC1E80	LRE481	62-99	CVS250-MA	220	9-14	2640	50	MSMI06
22	80	110	139	80.3	LC1E120	LC1E120	LC1E80	LRE481	62-99	CVS250-MA	220	9-14	2640	50	MSMI06
23	90	120	164	94.7	LC1E160	LC1E160	LC1E95	LRE482	84-135	CVS250-MA	220	9-14	3080	50	MSMI06
24	110	150	204	117.8	LC1E200	LC1E200	LC1E120	LRE482*	84-135	CVS400-MA	320	6-13	3840	50	MSMI06
25	125	170	234	135.1	LC1E250	LC1E250	LC1E120	LRE483*	124-198	CVS630-MA	500	6-13	4500	50	MSMI06
26	132	180	247	142.6	LC1E250	LC1E250	LC1E120	LRE483*	124-198	CVS630-MA	500	6-13	5000	50	MSMI06
27	150	200	248	143.2	LC1E250	LC1E250	LC1E120	LRE483*	124-198	CVS630-MA	500	6-13	5000	50	MSMI06
28	160	215	288	166.3	LC1E300	LC1E300	LC1E160	LRE483*	124-198	CVS630-MA	500	6-13	5500	50	MSMI06
29	180	240	298	172.1	LC1E300	LC1E300	LC1E160	LRE483*	124-198	CVS630-MA	500	6-13	6000	50	MSMI06
30	200	270	348	200.9	LC1E400	LC1E400	LC1E200	LRE484	146-234	CVS630-MA	500	6-13	6500	50	MSMI06
31	225	300	360	207.9	LC1E400	LC1E400	LC1E200	LRE484	146-234	CVS630-MA	500	6-13	6500	50	MSMI06
32	250	335	435	251.2	LC1E400	LC1E400	LC1E250	LRE485	174-279	CVS630-MA	500	6-13	6500	50	MSMI06
33	275	370	440	254	LC1E400	LC1E400	LC1E250	LRE485	174-279	CVS630-MA	500	6-13	6500	50	MSMI06
34	315	425	548	316.4	LC1E500	LC1E500	LC1E300	LRE486*	208-333	CV630-ETS	630	2-10	6300	200	MSMI06

\* Relay can match with contactor electrically (i.e Cannot be directly mounted), rest all relays are suitable for direct mounting as per catalogue. Use alternate suggested for direct mounting.

\*\*Selection valid upto Trip class 10/10A, Contact nearest sales office for details of EOCR to be used with this selection charts.

# For guaranteed performance, Motor feeders built using this chart must make use of MSMI06 or equivalent Schneider Electric make timer only.

Panel Mount\_Easyline



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

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP [₹]
100...240 V AC single phase	24V	1.5A	ABL2REM24015K	ABL2_K Power Supply, DC24V output, 35W	2057
100...240 V AC single phase	24V	2A	ABL2REM24020K	ABL2_K Power Supply, DC24V output, 50W	2279
100...240 V AC single phase	24V	4.5A	ABL2REM24045K	ABL2_K Power Supply, DC24V output, 100W	3376
100...240 V AC single phase	24V	6.5A	ABL2REM24065K	ABL2_K Power Supply, DC24V output, 150W	4073
100...240 V AC single phase	24V	8.5A	ABL2REM24085K	ABL2_K Power Supply, DC24V output, 200W	5402
100...240 V AC single phase	24V	10A	ABL2REM24100K	ABL2_K Power Supply, DC24V output, 250W	6178
100...240 V AC single phase	24V	15A	ABL2REM24150K	ABL2_K Power Supply, DC24V output, 350W	10075

Panel Mount - ABLP



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

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP [₹]
100...240 V AC single phase	12V	8.5A	ABLP1A12085	Power Supply 12V 8.5A Panel Mount, 100W	6000
100...240 V AC single phase	24V	4.5A	ABLP1A24045	Power Supply 24V 4.5A Panel Mount, 100W	5500
100...240 V AC single phase	24V	6.2A	ABLP1A24062	Power Supply 24V 6.2A Panel Mount, 150W	7200
100...240 V AC single phase	24V	10A	ABLP1A24100	Power Supply 24V 10A Panel Mount, 240W	10800

Modular ABLM



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

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP [₹]
100...240 V AC single phase	5V	3.6A	ABLM1A05036	Power Supply 5V 3.6A Modular, 18W	5600
100...240 V AC single phase	12V	1A	ABLM1A12010	Power Supply 12V 1A Modular, 12W	4100
100...240 V AC single phase	12V	2.1A	ABLM1A12021	Power Supply 12V 2.1A Modular, 25W	5600
100...240 V AC single phase	12V	4.2A	ABLM1A12042	Power Supply 12V 4.2A Modular, 50W	7400
100...240 V AC single phase	24V	0.4A	ABLM1A24004	Power Supply 24V 0.4A Modular, 10W	3350
100...240 V AC single phase	24V	0.6A	ABLM1A24006	Power Supply 24V 0.6A Modular, 15W	4100
100...240 V AC single phase	24V	1.2A	ABLM1A24012	Power Supply 24V 1.2A Modular, 30W	5600

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

NORMAL STOCK ITEMS

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**Optimized ABL5**



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

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP [₹]
100...240 V AC single phase	12V	6.2A	ABLS1A12062	Power Supply 12V 6.2A Optimized, 75W	6700
100...240 V AC single phase	12V	10A	ABLS1A12100	Power Supply 12V 10A Optimized, 120W	10500
100...240 V AC single phase	24V	2.1A	ABLS1A24021	Power Supply 24V 2.1A Optimized, 50W	6700
100...240 V AC single phase	24V	3.1A	ABLS1A24031	Power Supply 24V 3.1A Optimized, 75W	6700
100...240 V AC single phase	24V	3.8A	ABLS1A24038	Power Supply 24V 3.8A Optimized, 91.2W	11600
100...240 V AC single phase	24V	5A	ABLS1A24050	Power Supply 24V 5A Optimized, 120W	9900
100...240 V AC single phase	24V	10A	ABLS1A24100	Power Supply 24V 10A Optimized, 240W	14500
100...240 V AC single phase	24V	20A	ABLS1A24200	Power Supply 24V 20A Optimized, 480W	26200
100...240 V AC single phase	48V	2.5A	ABLS1A48025	Power Supply 48V 2.5A Optimized,120W	10500

**Universal ABL8RP/WP**



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

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP [₹]
100...120 V AC single phase, terminal(s): N-L1 200...500 V AC phase to phase, terminal(s): L1-L2	24V	3A	ABL8RPS24030	Univ. Power Supply 1P 24V 3A, 72W	12580
100...120 V AC single phase, terminal(s): N-L1 200...500 V AC phase to phase, terminal(s): L1-L2	24V	5A	ABL8RPS24050	Univ. Power Supply 1P 24V 5A, 120W	16264
100...120 V AC single phase, terminal(s): N-L1 200...500 V AC phase to phase, terminal(s): L1-L2	24V	10A	ABL8RPS24100	Univ. Power Supply 1P 24V 10A, 240W	18580
100...120 V AC single phase, terminal(s): N-L1 200...500 V AC phase to phase, terminal(s): L1-L2	24V	20A	ABL8RPM24200	Univ. Power Supply 1P 24V 20A, 480W	25634
380...500 V AC three phase, terminal(s): L1, L2, L3	24V	20A	ABL8WPS24200	Univ. Power Supply 3P 24V 20A, 480W	27789
380...500 V AC three phase, terminal(s): L1, L2, L3	24V	40A	ABL8WPS24400	Univ. Power Supply 3P 24V 40A, 960W	48468

**Accessories for ABLP**


Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP [₹]
			ABLPA01	Mounting Kit for Power Supply up to 150W	800
			ABLPA02	Mounting Kit for Power Supply 240W	800

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

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP 
<b>Single phase 230V 40VA - 400VA 40° C</b>				
230 V AC single phase ±15 V	24 V AC	40	ABT7ESM004B	7246
230 V AC single phase ±15 V	24 V AC	63	ABT7ESM006B	5432
230 V AC single phase ±15 V	24 V AC	100	ABT7ESM010B	6082
230 V AC single phase ±15 V	24 V AC	160	ABT7ESM016B	7426
230 V AC single phase ±15 V	24 V AC	250	ABT7ESM025B	9929
230 V AC single phase ±15 V	24 V AC	320	ABT7ESM032B	12100
230 V AC single phase ±15 V	24 V AC	400	ABT7ESM040B	13252

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

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP 
<b>Single phase 230/400V 25VA - 2500VA 50° C</b>				
230/400 V single phase ±15 V	24 V AC	25	ABL6TS02B	6684
230/400 V single phase ±15 V	24 V AC	40	ABL6TS04B	6776
230/400 V single phase ±15 V	24 V AC	63	ABL6TS06B	6966
230/400 V single phase ±15 V	24 V AC	100	ABL6TS10B	7728
230/400 V single phase ±15 V	24 V AC	160	ABL6TS16B	8910
230/400 V single phase ±15 V	24 V AC	250	ABL6TS25B	11462
230/400 V single phase ±15 V	24 V AC	400	ABL6TS40B	17528
230/400 V single phase ±15 V	24 V AC	630	ABL6TS63B	22865
230/400 V single phase ±15 V	24 V AC	1000	ABL6TS100B	29904
230/400 V single phase ±15 V	24 V AC	1600	ABL6TS160B	61040
230/400 V single phase ±15 V	24 V AC	2500	ABL6TS250B	100016
230/400 V single phase ±15 V	115 V AC	100	ABL6TS10G	7671
230/400 V single phase ±15 V	115 V AC	160	ABL6TS16G	9072
230/400 V single phase ±15 V	115 V AC	250	ABL6TS25G	11553
230/400 V single phase ±15 V	115 V AC	400	ABL6TS40G	17528
230/400 V single phase ±15 V	115 V AC	630	ABL6TS63G	23520
230/400 V single phase ±15 V	115 V AC	1000	ABL6TS100G	28715
230/400 V single phase ±15 V	115 V AC	1600	ABL6TS160G	51175
230/400 V single phase ±15 V	115 V AC	2500	ABL6TS250G	83704
230/400 V single phase ±15 V	230 V AC	25	ABL6TS02U	6776
230/400 V single phase ±15 V	230 V AC	40	ABL6TS04U	6675
230/400 V single phase ±15 V	230 V AC	63	ABL6TS06U	6905
230/400 V single phase ±15 V	230 V AC	100	ABL6TS10U	7280
230/400 V single phase ±15 V	230 V AC	160	ABL6TS16U	9072
230/400 V single phase ±15 V	230 V AC	250	ABL6TS25U	10915
230/400 V single phase ±15 V	230 V AC	400	ABL6TS40U	16968
230/400 V single phase ±15 V	230 V AC	630	ABL6TS63U	21687
230/400 V single phase ±15 V	230 V AC	1000	ABL6TS100U 	30016
230/400 V single phase ±15 V	230 V AC	1600	ABL6TS160U	48013
230/400 V single phase ±15 V	230 V AC	2500	ABL6TS250U	78473

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 NORMAL STOCK ITEMS

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## ABT7 - Universal Range (Double Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP ₹
<b>Single phase 230/400V 25VA - 2500VA 60° C</b>				
230/400 V single phase ±15 V	24/48 V AC	40	ABT7PDU004B	8947
230/400 V single phase ±15 V	24/48 V AC	63	ABT7PDU006B	9197
230/400 V single phase ±15 V	24/48 V AC	250	ABT7PDU025B	14301
230/400 V single phase ±15 V	24/48 V AC	400	ABT7PDU040B	18075
230/400 V single phase ±15 V	24/48 V AC	630	ABT7PDU063B	27245
230/400 V single phase ±15 V	115/230 V AC	40	ABT7PDU004G	8289
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010G	9166
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016G	10473
230/400 V single phase ±15 V	115/230 V AC	250	ABT7PDU025G	14224
230/400 V single phase ±15 V	115/230 V AC	400	ABT7PDU040G	16464
230/400 V single phase ±15 V	115/230 V AC	630	ABT7PDU063G	27272
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100G	32816
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160G	52696
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250G	85201
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002B	9688
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010B	9968
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016B	12824
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100B	35616
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160B	58912
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250B	95480

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NORMAL STOCK ITEMS

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# Innovative & Connected Altivar Drives and Altistart Soft Starters

## Variable Speed Drives

### Process



Mining,  
Minerals &  
Metals



Marine



Food &  
Beverage



Water &  
Wastewater



Oil & Gas



Power  
Plants

### Fluid Management

#### Altivar Process 600



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



Cabinet Integration  
0.75...1200 kW  
380...690 V



Cabinet Integration  
0.75...1200 kW  
380...690 V

### Industrial Processes

#### Altivar Process 900



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



Cabinet Integration  
0.75...1200 kW  
380...690 V



Cabinet Integration  
0.75...1200 kW  
380...690 V

### Machines



Hoisting



Material  
Handling



Textile



Material  
Working



Packaging

### Commercial Equipment

#### Altivar 12



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

### Basic Machines

#### Altivar 310



IP20  
0.75 to 22 kW  
380...460 V

#### Altivar 310L



Harsh environment IP54  
0.75 to 5.5 kW  
380...460 V

### Simple & Advanced Machines

#### Altivar 320B/C



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

#### Altivar 320W



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

### Building



Pumps



Lift



Fans &  
Compressors

### HVAC & Pumps

#### Altivar 212



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



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

### Utilities

#### Altivar 610



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

## Soft Starters

### Industrial Processes & Utility

#### Altistart 48



17...1200 A  
208...690 V

#### Altistart 22



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

### Simple Machines

#### Altistart 01



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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021





## Altivar Easy 310 Drives for Simple Machines

Now available upto 22kW **NEW**

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

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



*When just enough  
is just right!*





General Purpose Drives

Altivar12 Drive: 1-Phase / 3-Phase 230 Volts Input & 3-Phase 230 Volts Output Drive



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

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

Altivar310 Drive: 3-Phase 440 Volts Input & 3-Phase 440 Volts Output Drive



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

kW	HP Rating	Max. continuous current(A)	Reference	Unit MRP [₹]
<b>Three phase-Supply Voltage: 380...460V</b>				
0.37	0.5	1.5	ATV310H037N4E	On Request
0.75	1	2.3	ATV310H075N4E	On Request
1.5	2	4.1	ATV310HU15N4E	On Request
2.2	3	5.5	ATV310HU22N4E	On Request
3	4	7.1	ATV310HU30N4E	On Request
4	5	9.5	ATV310HU40N4E	On Request
5.5	7.5	12.6	ATV310HU55N4E	On Request
7.5	10	17	ATV310HU75N4E	On Request
11	15	24	ATV310HD11N4E	On Request

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# Automation and control made easy

Easy Altivar 610 variable speed drives.



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



Water & wastewater



Oil & gas



Constant, negative pressure water supply



Building



Power



Other OEM

#### Fit for purpose

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

#### Designed for easiness

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

#### Strong on robustness

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

#### Always available

- Wide availability
- Worldwide technical assistance

# Easy Altivar 610

Now available upto 460V **NEW**

## Main features

**Power range:**  
0.75 to 160kW

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

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

**EMC:**  
C3 level filter embedded

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

**Protection:**  
IP20

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

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



## Control I/O

**Control terminal:**

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

**Communication:**

- Modbus embedded;
- option: Profibus DP



## Display terminal

**Basic keypad (standard)**

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



For more information and product references visit

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

**Altivar610 Drive: Drives for pumps and fans from 0.75 to 160 kW**

Now available upto 460V **NEW**



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

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

**Altivar212 Drive: Drives for HVAC, 3-phase asynchronous motors from 0.75 to 75 kW**



- Embedded communication Modbus, Apogee FLN P1, Metasys N2, BacNet
- More Friendly simplicity & comfort with Universal Graphic Keypad
- Low Harmonics Emissions: Low THDI = 30%
- EMC Immunity Protection & Noise reductions
- AHRI Approved

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



Machine Drives

Altivar320 drive: Drives for synchronous and asynchronous motors from 0.18 to 15 kW (0.25 to 20 Hp)



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

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

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021





# Altivar The next SMART manufacturing era

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



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

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

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

# High performance in material handling, material working and hoisting

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

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

**220%**  
Nominal torque

**1 ms**  
Application cycle time



Modular and Ethernet version with different application approach



Optional Safety card offers for high-end safety functions  
Safe Stop 1 (SS1)  
Safe Limited Speed (SLS)  
Safe Maximum Speed (SMS)  
Safe Brake Control (SBC)  
Guard Door Lock (GDL)



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

For more information and product references visit

## Altivar340 drive: Drives with innovative variable speed drives for high-performance machines upto 75kW



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

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

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

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# Altivar Process Drives for industrial utility applications

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



## Water applications

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



## Oil & Gas applications

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



## Mining & Metals applications

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



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

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

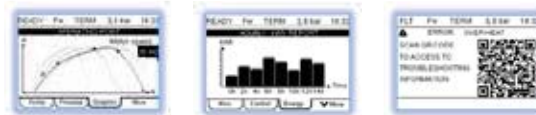
NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**Altivar Process ATV630 : Variable Speed IIOT Drive dedicated to process Industry and Utilities (Pump & Fan) from 0.75 kW to 315 kW.**



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



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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



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



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



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

\*Reference ending with 'C' is without braking unit

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

NORMAL STOCK ITEMS

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## Reduce mechanical stress on your machines

Altistart 01  
Altistart 22  
Altistart 48

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



# Altistart range: soft starters designed for your machines

## Small and simple



The best partner for simple machines from 0.37 to 15 kW

## Altistart 01 - small footprint and high soft start value

- Designed for 1-phase and 3-phase AC motors and simple machines
- Minimum dimensions (22.5 mm/45 mm width)
- Quick and easy set-up
- Suppression of torque surges at startup
- Limitation of current peaks
- Suppression of voltage drops
- Side-by-side mounting

## All-in-one device



Covers most light-duty industrial applications from 4 to 400 kW

## Altistart 22 - compact soft start/soft stop unit with integrated by-pass

- Designed for 3-phase AC motors and standard applications
- True 3-phase control
- Integrated by-pass contactor for compact design, reduced wiring time, low heat dissipation
- Voltage and torque control to manage soft start/soft stop
- Complete motor/starter/application protection
- Integrated modbus communication
- Type 1 coordination
- User-friendly human machine interface (HMI)

## High performance with TCS concept



Dedicated to heavy-duty industrial applications from 4 to 900 kW

## Altistart 48 - high-performance soft starter

- Designed for 3-phase AC motors and harsh applications (starting time >30s)
- Patented torque control system (TCS) to manage soft start and dynamic breaking
- Motor thermal protection and motor preheating function
- Machine under- and overload protection
- Cascaded starting and deceleration of a number of motors
- Integrated modbus communication and other gateway solutions
- Type 2 coordination
- Large number of configurable I/O
- Automatic restart
- Plug-and-play factory setting

Soft Starter

ATS01 Soft Start – Soft Stop Unit (For Simple Machines)



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

ATS22 Soft Starter: Soft Starter for Utilities i.e. Pump & fan



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

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

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

NORMAL STOCK ITEMS

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**ATS48 Soft start-soft stop units for 3-phase asynchronous motors from 4 to 1200 kW**



- Thermal protection of the motor
- Protection of the machine: under load and overload with adjustable threshold and times, locked rotor, control of the direction of rotation
- Control of starter bypass contactor to prevent heat dissipation
- Numerous configurable inputs/outputs
- Modbus Integrated

Altistart 48 offers you the benefits of its patented Torque Control System (TCS). Ready for immediate start-up, with simplified wiring and extended communication functions, it can be integrated at the heart of your applications in complete simplicity

For STD Application kW (400V)	For Severe Application kW (400V)	For STD Application Nominal Current (Amps)	For Severe Application Nominal Current (Amps)	Reference	Unit MRP [₹]
<b>Three phase-Supply Voltage: 230V...415V</b>					
7.5	5.5	17	12	ATS48D17Q	On Request
11	7.5	22	17	ATS48D22Q	On Request
15	11	32	22	ATS48D32Q	On Request
19	15	38	32	ATS48D38Q	On Request
22	18.5	47	38	ATS48D47Q	On Request
30	22	62	47	ATS48D62Q	On Request
37	30	75	62	ATS48D75Q	On Request
45	37	88	75	ATS48D88Q	On Request
55	45	110	88	ATS48C11Q	On Request
75	55	140	110	ATS48C14Q	On Request
90	75	170	140	ATS48C17Q	On Request
110	90	210	170	ATS48C21Q	On Request
132	110	250	210	ATS48C25Q	On Request
160	132	320	250	ATS48C32Q	On Request
220	160	410	320	ATS48C41Q	On Request
250	220	480	410	ATS48C48Q	On Request
315	250	590	480	ATS48C59Q	On Request
355	315	660	590	ATS48C66Q	On Request
400	355	790	660	ATS48C79Q	On Request
500	400	1000	790	ATS48M10Q	On Request
630	500	1200	1000	ATS48M12Q	On Request

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

### RXG Interface Relays

Product description	Reference	Unit MRP [€]
1CO 10A Relay +LTB-LED 48VAC	RXG11E7	602
1CO 10A Relay +LTB-LED 120VAC	RXG11F7	602
1CO 10A Relay +LTB-LED 220VAC	RXG11M7	613
1CO 10A Relay +LTB-LED 230VAC	RXG11P7	601
1CO 10A Relay +LTB-LED 6VDC	RXG11RD	485
1CO 10A Relay +LTB-LED 12VDC	RXG11JD	485
1CO 10A Relay +LTB-LED 24VDC	RXG11BD	483
1CO 10A Relay +LTB-LED 48VDC	RXG11ED	485
1CO 10A Relay +LTB-LED 60VDC	RXG11ND	485
1CO 10A Relay +LTB-LED 110VDC	RXG11FD	485
1CO 10A Relay +LTB+LED 24VAC	RXG12B7	653
1CO 10A Relay +LTB+LED 48VAC	RXG12E7	653
1CO 10A Relay +LTB+LED 120VAC	RXG12F7	653
1CO 10A Relay +LTB+LED 220VAC	RXG12M7	653
1CO 10A Relay +LTB+LED 230VAC	RXG12P7	653
1CO 10A Relay +LTB+LED 6VDC	RXG12RD	534
1CO 10A Relay +LTB+LED 12VDC	RXG12JD	534
1CO 10A Relay +LTB+LED 24VDC	RXG12BD	544
1CO 10A Relay +LTB+LED 60VDC	RXG12ND	534
1CO 10A Relay +LTB+LED 110VDC	RXG12FD	534
1CO 10A Relay-LTB+LED 48VAC	RXG13E7	628
1CO 10A Relay-LTB+LED 220VAC	RXG13M7	628
1CO 10A Relay-LTB+LED 230VAC	RXG13P7	639
1CO 10A Relay-LTB+LED 6VDC	RXG13RD	507
1CO 10A Relay-LTB+LED 24VDC	RXG13BD	507
1CO 10A Relay-LTB+LED 48VDC	RXG13ED	507
1CO 10A Relay-LTB+LED 60VDC	RXG13ND	507
1CO 10A Relay-LTB+LED 110VDC	RXG13FD	507
1CO 10A Relay Clear 24VAC	RXG15B7	544
1CO 10A Relay Clear 48VAC	RXG15E7	544
1CO 10A Relay Clear 120VAC	RXG15F7	544
1CO 10A Relay Clear 220VAC	RXG15M7	544
1CO 10A Relay Clear 230VAC	RXG15P7	544
1CO 10A Relay Clear 6VDC	RXG15RD	424
1CO 10A Relay Clear 12VDC	RXG15JD	424
1CO 10A Relay Clear 24VDC	RXG15BD	432
1CO 10A Relay Clear 48VDC	RXG15ED	424
1CO 10A Relay Clear 60VDC	RXG15ND	424
1CO 10A Relay Clear 110VDC	RXG15FD	424
2CO 5A Relay +LTB-LED 24VAC	RXG21B7	648
2CO 5A Relay +LTB-LED 120VAC	RXG21F7	660
2CO 5A Relay +LTB-LED 220VAC	RXG21M7	672

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

NORMAL STOCK ITEMS

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

### RXG Interface Relays NEW

Product description	Reference	Unit MRP [₹]
2CO 5A Relay +LTB-LED 230VAC	RXG21P7	648
2CO 5A Relay +LTB-LED 6VDC	RXG21RD	543
2CO 5A Relay +LTB-LED 12VDC	RXG21JD	553
2CO 5A Relay +LTB-LED 24VDC	RXG21BD	543
2CO 5A Relay +LTB-LED 48VDC	RXG21ED	543
2CO 5A Relay +LTB-LED 60VDC	RXG21ND	543
2CO 5A Relay +LTB-LED 110VDC	RXG21FD	553
2CO 5A Relay +LTB+LED 24VAC	RXG22B7	727
2CO 5A Relay +LTB+LED 48VAC	RXG22E7	713
2CO 5A Relay +LTB+LED 120VAC	RXG22F7	727
2CO 5A Relay +LTB+LED 220VAC	RXG22M7	713
2CO 5A Relay +LTB+LED 230VAC	RXG22P7	727
2CO 5A Relay +LTB+LED 6VDC	RXG22RD	593
2CO 5A Relay +LTB+LED 12VDC	RXG22JD	593
2CO 5A Relay +LTB+LED 24VDC	RXG22BD	605
2CO 5A Relay +LTB+LED 48VDC	RXG22ED	593
2CO 5A Relay +LTB+LED 60VDC	RXG22ND	593
2CO 5A Relay +LTB+LED 110VDC	RXG22FD	593
2CO 5A Relay-LTB+LED 24VAC	RXG23B7	686
2CO 5A Relay-LTB+LED 48VAC	RXG23E7	686
2CO 5A Relay-LTB+LED 120VAC	RXG23F7	686
2CO 5A Relay-LTB+LED 220VAC	RXG23M7	686
2CO 5A Relay-LTB+LED 230VAC	RXG23P7	698
2CO 5A Relay-LTB+LED 6VDC	RXG23RD	567
2CO 5A Relay-LTB+LED 12VDC	RXG23JD	567
2CO 5A Relay-LTB+LED 24VDC	RXG23BD	567
2CO 5A Relay-LTB+LED 48VDC	RXG23ED	567
2CO 5A Relay-LTB+LED 60VDC	RXG23ND	567
2CO 5A Relay-LTB+LED 110VDC	RXG23FD	567
2CO 5A Relay Clear 48VAC	RXG25E7	602
2CO 5A Relay Clear 220VAC	RXG25M7	602
2CO 5A Relay Clear 230VAC	RXG25P7	602
2CO 5A Relay Clear 6VDC	RXG25RD	482
2CO 5A Relay Clear 12VDC	RXG25JD	482
2CO 5A Relay Clear 24VDC	RXG25BD	491
2CO 5A Relay Clear 48VDC	RXG25ED	482
2CO 5A Relay Clear 60VDC	RXG25ND	482
2CO 5A Relay Clear 110VDC	RXG25FD	482
<b>Accessories</b>		
1CO Separate terminal socket with clamp	RGZE1S35M	296
2CO Separate terminal socket with clamp	RGZE1S48M	328

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

NORMAL STOCK ITEMS

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## RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP ₹
<b>Without Lockable Test Button without LED</b>		
<b>2 C/O - 5 AMPS</b>		
24 V DC	RXM2LB1BD	377
48 V DC	RXM2LB1ED	427
24 V AC	RXM2LB1B7	393
120 V AC	RXM2LB1F7	393
230 V AC	RXM2LB1P7	385
<b>4 C/O - 3 AMPS</b>		
24 V DC	RXM4LB1BD	435
48 V DC	RXM4LB1ED	500
24 V AC	RXM4LB1B7	477
230 V AC	RXM4LB1P7	435
<b>Without Lockable Test Button with LED</b>		
<b>2 C/O - 5 AMPS</b>		
12 V DC	RXM2LB2JD	435
24 V DC	RXM2LB2BD <input checked="" type="checkbox"/>	405
48 V DC	RXM2LB2ED	435
24 V AC	RXM2LB2B7	435
120 V AC	RXM2LB2F7	435
230 V AC	RXM2LB2P7 <input checked="" type="checkbox"/>	405
36 V DC	RXM2LB2CD	449
110 V DC	RXM2LB2FD	435
<b>4 C/O - 3 AMPS</b>		
12 V DC	RXM4LB2JD	490
24 V DC	RXM4LB2BD <input checked="" type="checkbox"/>	458
48 V DC	RXM4LB2ED	490
24 V AC	RXM4LB2B7	490
120 V AC	RXM4LB2F7	490
230 V AC	RXM4LB2P7 <input checked="" type="checkbox"/>	458
110 V DC	RXM4LB2FD	490

## Accessories

Description	Reference	Unit MRP ₹
<b>Sockets</b>		
Sockets - mixed-screw clamp - relay type RXM2 (without lockable test button)	RXE1M2C <input checked="" type="checkbox"/>	185
Sockets - mixed-screw clamp - relay type RXM2/RXM4 (without lockable test button)	RXE1M4C <input checked="" type="checkbox"/>	236

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

NORMAL STOCK ITEMS

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**RXM\*NB Miniature Relays**

Control Circuit Voltage	Reference	Unit MRP [₹]
<b>Miniature Relays without Lockable Test-Button, with LED</b>		
<b>2 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM2NB3JD	469
24 V DC	RXM2NB3BD	425
24 V AC	RXM2NB3B7	469
120 V AC	RXM2NB3F7	469
<b>4 Change Over - 5 AMPS Contact Rating</b>		
110 V DC	RXM4NB3FD	526
220 V DC	RXM4NB3MD	614
24 V AC	RXM4NB3B7	526
120 V AC	RXM4NB3F7	526
230 V AC	RXM4NB3P7	492

**RXZ Miniature Relay Socket**

Description	Reference	Unit MRP [₹]
<b>Accessories</b>		
<b>Sockets</b>		
socket for miniature relay - for RXM2N - with mixed contacts - screw clamp	RXZE2M2N	196
socket for miniature relay - for RXM4N - with mixed contacts - screw clamp	RXZE2M4N	223

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

NORMAL STOCK ITEMS

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## RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
<b>Without LED</b>		
<b>2 Change Over - 12 AMPS Contact Rating</b>		
12 V DC	RXM2AB1JD	564
24 V AC	RXM2AB1B7	564
24 V DC	RXM2AB1BD <input checked="" type="checkbox"/>	543
48 V AC	RXM2AB1E7	564
48 V DC	RXM2AB1ED	564
110 V DC	RXM2AB1FD	570
120 V AC	RXM2AB1F7 <input checked="" type="checkbox"/>	564
230 V AC	RXM2AB1P7 <input checked="" type="checkbox"/>	543
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB1JD	755
24 V AC	RXM3AB1B7	840
24 V DC	RXM3AB1BD	754
48 V AC	RXM3AB1E7	947
48 V DC	RXM3AB1ED	959
120 V AC	RXM3AB1F7	776
230 V AC	RXM3AB1P7	776
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB1JD	676
24 V AC	RXM4AB1B7	690
24 V DC	RXM4AB1BD <input checked="" type="checkbox"/>	676
48 V AC	RXM4AB1E7	709
48 V DC	RXM4AB1ED	753
110 V DC	RXM4AB1FD	753
120 V AC	RXM4AB1F7 <input checked="" type="checkbox"/>	690
220 V DC	RXM4AB1MD	753
230 V AC	RXM4AB1P7 <input checked="" type="checkbox"/>	690
240 V AC	RXM4AB1U7	690
<b>With LED</b>		
<b>2 Change Over - 12 AMPS Contact Rating</b>		
12 V DC	RXM2AB2JD	589
24 V AC	RXM2AB2B7	585
24 V DC	RXM2AB2BD <input checked="" type="checkbox"/>	564
48 V AC	RXM2AB2E7	578
48 V DC	RXM2AB2ED	589
110 V DC	RXM2AB2FD	578
120 V AC	RXM2AB2F7 <input checked="" type="checkbox"/>	589
230 V AC	RXM2AB2P7 <input checked="" type="checkbox"/>	564
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB2JD	743
24 V AC	RXM3AB2B7	785
24 V DC	RXM3AB2BD	722
48 V DC	RXM3AB2ED	888
120 V AC	RXM3AB2F7	755
230 V AC	RXM3AB2P7	755
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB2JD	788
24 V AC	RXM4AB2B7	803
24 V DC	RXM4AB2BD <input checked="" type="checkbox"/>	749
48 V AC	RXM4AB2E7	803
48 V DC	RXM4AB2ED	788
110 V DC	RXM4AB2FD	788
120 V AC	RXM4AB2F7 <input checked="" type="checkbox"/>	803
125 V DC	RXM4AB2GD	803
230 V AC	RXM4AB2P7 <input checked="" type="checkbox"/>	763

## RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
<b>With Low Level Contact</b>		
<b>4 Change Over - 3 AMPS Contact Rating</b>		
12 V DC	RXM4GB1JD	798
	RXM4GB2JD	863
24 V AC	RXM4GB2B7	847
24 V DC	RXM4GB1BD	813
	RXM4GB2BD	823
48 V AC	RXM4GB1E7	798
	RXM4GB2E7	847
48 V DC	RXM4GB2ED	847
	RXM4GB1FD	798
110 V DC	RXM4GB2FD	847
120 V AC	RXM4GB2F7	863
	RXM4GB2P7	847
230 V AC	RXM4GB1P7	789
240 V AC	RXM4GB2U7	823

## RXZ Miniature Relays

Description	Reference	Unit MRP [₹]
<b>Accessories</b>		
<b>Sockets</b>		
Socket for miniature relay - Zelio RXZ - with mixed contacts - connectors	RXZE2M114M <input checked="" type="checkbox"/>	257
Socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp	RXZE2M114 <input checked="" type="checkbox"/>	286
Socket for miniature relay - Zelio RXZ - with separate contacts - connectors	RXZE2S111M <input checked="" type="checkbox"/>	329
<b>Protection Modules</b>		
<b>Diode</b>		
Socket for miniature relay - Zelio RXZ - with mixed contacts - connectors	RXZE2M114M	257
Socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp	RXZE2M114	286
Socket for miniature relay - Zelio RXZ - with separate contacts - connectors	RXZE2S111M	329
	RXZE2S114M	352
Protection module - diode - 6..250V DC - for miniature relay socket RXZ	RXM040W	131
<b>RC Circuit</b>		
Protection module - RC circuit - 110..240 AC - for miniature relay socket RXZ	RXM041FU7	144
Protection module - RC circuit - 24..60 AC - for miniature relay socket RXZ	RXM041BN7	144
<b>Varistor</b>		
Protection module -Varistor - 24..60V AC/DC - for miniature relay socket RXZ	RXM021BN	170
Protection module -Varistor - 6..24V AC/DC - for miniature relay socket RXZ	RXM021RB	170
Protection module -Varistor -110..240 AC/DC - for miniature relay socket RXZ	RXM021FP	161
<b>Clips and Legends</b>		
Clip-in legends-for Sockets having separate contact	RXZL420	20
Clip-in legends - for Zelio relay - set of 10	RXZL520	255
Metal maintaining clamp - for miniature relay socket RXZ	RXZ400	47
Mounting adaptor for DIN rail - for miniature relay socket RXZ	RXZE2DA	70
Mounting adaptor with fixing lugs for panel - for miniature relay socket RXZ	RXZE2FA	70
Plastic maintaining clamp - for miniature relay socket RXZ	RXZR335	45

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

NORMAL STOCK ITEMS

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## RPM Power Relays

Control Circuit Voltage	Reference	Unit MRP ₹
<b>Without LED</b>		
<b>1 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM11JD	1039
24 V AC	RPM11B7	1039
24 V DC	RPM11BD	1033
48 V AC	RPM11E7	1470
48 V DC	RPM11ED	1039
110 V DC	RPM11FD	1039
120 V AC	RPM11F7	1260
230 V AC	RPM11P7	1148
<b>2 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM21JD	1074
24 V AC	RPM21B7	1074
24 V DC	RPM21BD	1044
48 V AC	RPM21E7	1074
120 V AC	RPM21F7	1260
230 V AC	RPM21P7	1074
<b>3 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM31JD	1111
24 V AC	RPM31B7	1163
48 V AC	RPM31E7	1572
48 V DC	RPM31ED	1572
110 V DC	RPM31FD	1111
120 V AC	RPM31F7	1311
<b>4 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM41JD	1163
24 V AC	RPM41B7	1163
24 V DC	RPM41BD	1160
48 V AC	RPM41E7	1163
120 V AC	RPM41F7	1333
230 V AC	RPM41P7	1163
<b>With LED</b>		
<b>1 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM12JD	1096
24 V AC	RPM12B7	1096
24 V DC	RPM12BD	736
48 V AC	RPM12E7	1096
48 V DC	RPM12ED	1096
110 V DC	RPM12FD	1096
120 V AC	RPM12F7	1311
230 V AC	RPM12P7	1195
<b>2 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM22JD	1111
24 V AC	RPM22B7	1111
24 V DC	RPM22BD	975
48 V AC	RPM22E7	1111
110 V DC	RPM22FD	1111
120 V AC	RPM22F7	1311
230 V AC	RPM22P7	1099

## RPM Power Relays

Control Circuit Voltage	Reference	Unit MRP ₹
<b>3 Change Over - 15 AMPS Contact Rating</b>		
24 V AC	RPM32B7	1130
24 V DC	RPM32BD	1242
48 V AC	RPM32E7	1130
48 V DC	RPM32ED	1130
110 V DC	RPM32FD	1130
120 V AC	RPM32F7	1333
230 V AC	RPM32P7	1266
<b>4 Change Over - 15 AMPS Contact Rating</b>		
24 V AC	RPM42B7	1180
24 V DC	RPM42BD	1194
48 V AC	RPM42E7	1168
48 V DC	RPM42ED	1205
120 V AC	RPM42F7	1326
230 V AC	RPM42P7	1172

## RPZ Power Relays

Description	Reference	Unit MRP ₹
<b>Accessories</b>		
<b>Mixed Contact Socket</b>		
	RPZF2	475
Socket for power relay - Zelio RPZ - with mixed contacts - screw clamp	RPZF1	473
	RPZF4	811
	RPZF3	839
<b>Clips And Legends</b>		
Metal maintaining clamp - for relay socket RPZF1	RPZR235	127
	RPZ1DA	127
Mounting adaptor for DIN rail - for power relay socket RPZ	RPZ3DA	127
	RPZ4DA	173
	RPZ1FA	127
Mounting adaptor with fixing lugs for panel - for power relay socket RPZ	RPZ3FA	127
	RPZ4FA	173

## RPF Power Relays

Control Circuit Voltage	Reference	Unit MRP ₹
<b>N/O - 30 AMPS Contact Rating</b>		
24 V DC	RPF2ABD	1897
120 V AC	RPF2AF7	1953
230 V AC	RPF2AP7	1859
<b>Change Over - 30 AMPS Contact Rating</b>		
12 V DC	RPF2BJD	1592
24 V AC	RPF2BB7	1638
24 V DC	RPF2BBD	1880
110 V DC	RPF2BFD	1638
120 V AC	RPF2BF7	2099
230 V AC	RPF2BP7	1935

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



## RE17 Electronic Timers

NEW

Description	Reference	Unit MRP [₹]
On Delay Timer 24 240 Vac	RE17LAMW	2378
Off Delay Timer 24 240VAC	RE17LCBM	2780
Timer Function H Solid State Output 24 240VAC	RE17LHBM	3557
Flashing Timer	RE17LLBM	2923
Multi Functiontion Timer	RE17LMBM	2863
Timer Function A at 1C O 24VAC DC 240VAC	RE17RAMU	2230
Timer Function B 1C O 24VAC DC 240VAC	RE17RBMU	3315
Timer Function C 1C O 24VAC DC 240VAC	RE17RCMU	2333
Timer Function H Ht 1C O 24VAC DC 240VAC	RE17RHMU	2400
Flashing Timer	RE17RLJU	3119
Timer Function L Li 1C O 24VAC DC 240VAC	RE17RLMU	3119
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMEMU	2830
10 X MultiFunction Timer 1C O 12VAC DC	RE17RMJU	2951
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMMU	2868
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMW	3194
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMWS	3440
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMXMU	3608



## RE22 Electronic Timers

Description	Reference	Unit MRP [₹]
Multi-functionTimingRelay-0.05s...300h-24...240VAC/DC-2C/O	RE22R2MYMR	On request
MultifunctionTimerRelay-12..240VAC/DC-2C/O	RE22R2MMW	On request
Star-deltatimingrelay-24VDC/24..240VAC-1C/O	RE22R1QMU	On request
Multi-functionTimingRelay-0.05s...300h-24...240VAC/DC-1C/O	RE22R1MYMR	On request
Off-delayTimingRelay-0.05s...10min-24...240VAC/DC-2C/O	RE22R2KMR	On request
Star-DeltaTimingRelay-0.05s...300s-24VDC/24...240V	RE22R1QCMU	On request
Star-DeltaTimingRelay-0.05s...300h-24...240VAC/DC-2C/O	RE22R2QGMR	On request
On-delayTimingRelay-0.05s...300h-24...240VAC/DC-1C/O	RE22R1AMR	On request
On-delayTimingRelay-0.05s...300h-24...240VAC/DC-2C/O	RE22R2AMR	On request
Asym.FlashingTimingRelay-0.05s...300h-24...240VAC/DC-1C/O	RE22R1MLMR	On request
Star-DeltaTimingRelay-0.3s...30s-24...240VAC/DC-2C/O	RE22R2QEMR	On request
MultifunctionTimerRelay-24VDC/24..240VAC-2C/O	RE22R2MMU	On request
Off-delayTimingRelay-0.05s...300h-24...240VAC/DC-2C/O	RE22R2CMR	On request
Off-delayTimingRelay-0.05s...10min-24...240VAC/DC-1C/O	RE22R1KMR	On request
Star-DeltaTimingRelay-0.05s...300h-24...240VAC/DC-2C/O	RE22R2QTMR	On request
Star-deltatimingrelay-230VAC/440VAC-1C/ORE22R1QMQ	RE22R1QMQ	On request
On-delaytimingrelay-24VDC/24..240VAC-2C/O	RE22R2AMU	On request
Off-delayTimingRelay-0.05s...300h-24...240VAC/DC-1C/O	RE22R1CMR	On request
SymmetricalFlashingTimingRelay-0.05s...300h-24...240VAC/DC-2C/O	RE22R2DMR	On request

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



### Zelio Control - Monitoring & Control Relays

Description	Reference	Unit MRP [€]
Three-Phase Voltage control relay 380...480Vac, 2 C/O	RM22TR33	On Request
Three-Phase control relay 183...528Vac, 2 C/O	RM22TG20	On Request
Oversvoltage and undervoltage control relay 15V...500Vac/dc, 2 C/O	RM22UA33MR	On Request
Voltage control relay 1V...100Vac/dc, 2 C/O	RM22UA32MR	On Request
Level control relay RM22-L - 24..240 V AC/DC - 2 C/O	RM22LA32MR	On Request
Three-Phase Undervoltage control relay 380...480Vac, 2 C/O	RM22TU23	On Request
Voltage control relay 80V...300Vac/dc, 2 C/O	RM22UB34	On Request
Level control relay RM22-L - 24..240 V AC/DC - 1 C/O	RM22LG11MR	On Request

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Biometric Switch

Description	Reference	Unit MRP [₹]
Bistable biometric switch, 24 V DC - PNP - by 2m cable	XB5S1B2L2	34199
Bistable biometric switch, 24 V DC - PNP - by M12 connector	XB5S1B2M12	36081
Monostable biometric switch, 24 V DC - PNP - by 2m cable	XB5S2B2L2	34647
Monostable biometric switch, 24 V DC - PNP - by M12 connector	XB5S2B2M12	35970

## Accessories

Description	Reference	Unit MRP [₹]
Diameter 22 mm nut	ZB5SZ71	357
Legend plate 28X7 mm	ZBY0101T	166

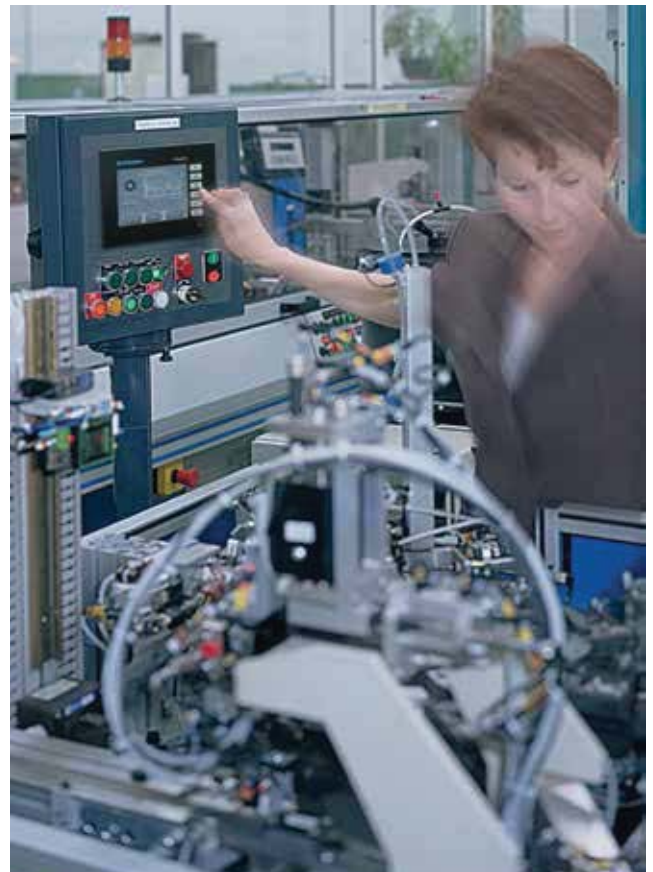
## Pushbuttons

Description	Type of Contact	Colour	Reference	Unit MRP [₹]
<b>Spring return</b>				
Flush	NO	White	XB5AA11N <input checked="" type="checkbox"/>	157
	NO	Black	XB5AA21N <input checked="" type="checkbox"/>	157
	NO	Green	XB5AA31N <input checked="" type="checkbox"/>	157
	NO	Yellow	XB5AA51N <input checked="" type="checkbox"/>	157
	NO	Blue	XB5AA61N <input checked="" type="checkbox"/>	157
	NC	Red	XB5AA42N <input checked="" type="checkbox"/>	157
	NO	Red	XB5AA41N <input checked="" type="checkbox"/>	157
Projecting	NO	Blank	XB5AA01N* <input checked="" type="checkbox"/>	157
	NO	White	XB5AL11N	198
	NO	Black	XB5AL21N	192
	NO	Green	XB5AL31N	192
	NO	Yellow	XB5AL51N	192
	NO	Blue	XB5AL61N	192
	NC	Red	XB5AL42N <input checked="" type="checkbox"/>	192
Flush with silicon transparent boot	NO	Red	XB5AL41N	192
	NO	Black	XB5AP21N <input checked="" type="checkbox"/>	225
	NO	Green	XB5AP31N <input checked="" type="checkbox"/>	225
	NO	Yellow	XB5AP51N <input checked="" type="checkbox"/>	225
Flush, marked (double molding / injection marking)	NO	Blue	XB5AP61N	231
	NO	Green	XB5AA3311N	224
	NC	Red	XB5AA4322N	224
	NO	Green	XB5AA3331N <input checked="" type="checkbox"/>	224
	NC	Red	XB5AA4342N <input checked="" type="checkbox"/>	224
Projecting, marked (double molding / injection marking)	NC	Red	XB5AA4352N	326
	NC	Red	XB5AL4342N	234
Flush, marked "I/O"	NC	Red	XB5AL4352N	234
	NO+NC	Green	XB5AL845N <input checked="" type="checkbox"/>	1110

## Pilot lights

Description	Supply Voltage	Colour	Reference	Unit MRP [₹]
<b>With smooth lens (except clear colour)</b>				
Direct Integral LED	~ 24V	White	XB7EV01BPN <input checked="" type="checkbox"/>	253
		Green	XB7EV03BPN <input checked="" type="checkbox"/>	234
		Red	XB7EV04BPN <input checked="" type="checkbox"/>	234
		Yellow	XB7EV05BPN <input checked="" type="checkbox"/>	234
		Amber	XB7EV08BPN <input checked="" type="checkbox"/>	234
	~ 120V	Blue	XB7EV06BPN <input checked="" type="checkbox"/>	482
		Green	XB7EV03GPN <input checked="" type="checkbox"/>	234
		Red	XB7EV04GPN <input checked="" type="checkbox"/>	234
		Amber	XB7EV08GPN <input checked="" type="checkbox"/>	234
		White	XB7EV01MPN <input checked="" type="checkbox"/>	253
~ 230V	Green	XB7EV03MPN <input checked="" type="checkbox"/>	234	
	Red	XB7EV04MPN <input checked="" type="checkbox"/>	234	
	Yellow	XB7EV05MPN <input checked="" type="checkbox"/>	234	
	Amber	XB7EV08MPN <input checked="" type="checkbox"/>	234	
	Blue	XB7EV06MPN <input checked="" type="checkbox"/>	482	
Clear	XB7EV07MPN* <input checked="" type="checkbox"/>	234		

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



**Illuminated Pushbutton**

Description	Type of Contact	Colour	Reference	Unit MRP [₹]
<b>With smooth lens (except clear colour)</b>				
Flush Integral LED ~ 24V	NO	White	XB5AW31B1N	460
	NO	Green	XB5AW33B1N	460
	NC	Red	XB5AW34B2N	460
	NO	Yellow	XB5AW35B1N	460
	NO	Amber	XB5AW38B1N	514
	NO	Blue	XB5AW36B1N	890
	NO	Clear	XB5AW37B1N*	890
Projecting Integral LED ~ 24V	NO	White	XB5AW11B1N	452
	NO	Green	XB5AW13B1N	460
	NC	Red	XB5AW14B2N	460
	NO	Yellow	XB5AW15B1N	460
	NO	Amber	XB5AW18B1N	452
	NO	Blue	XB5AW16B1N	874
	NO	Clear	XB5AW17B1N*	465
Flush Integral LED ~ 110V	NO	White	XB5AW31G1N	561
	NO	Green	XB5AW33G1N	561
	NC	Red	XB5AW34G2N	561
	NO	Clear	XB5AW37G1N*	1019
Flush Integral LED ~ 230V	NO	White	XB5AW31M1N	525
	NO	Green	XB5AW33M1N	460
	NC	Red	XB5AW34M2N	460
	NO	Yellow	XB5AW35M1N	460
	NO	Amber	XB5AW38M1N	514
	NO	Blue	XB5AW36M1N	890
	NO	Clear	XB5AW37M1N*	989
Projecting Integral LED ~ 230V	NO	White	XB5AW11M1N	596
	NO	Yellow	XB5AW15M1N	651
	NO	Amber	XB5AW18M1N	639
	NO	Blue	XB5AW16M1N	1236
	NO	Clear	XB5AW17M1N*	465

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



## Non-Illuminated Pushbutton

Description	Dia of Head	Type of Contact	Colour	Reference	Unit MRP [₹]
<b>Mushroom Head</b>					
Spring return	40	NO	Black	XB5AC21N <input checked="" type="checkbox"/>	305
		NO	Green	XB5AC31N <input checked="" type="checkbox"/>	305
		NO	Red	XB5AC42N <input checked="" type="checkbox"/>	305
		NC	Blue	XB5AC61N	305
		NO	Black	XB5AR21N	397
	60	NO	Green	XB5AR31N <input checked="" type="checkbox"/>	397
		NC	Red	XB5AR42N	397
		NO	Red	XB5AR41N	397
		NO	Yellow	XB5AR51N	397
		NO	Blue	XB5AR61N	409
Turn to release	30	NC	Black	XB5AS422N	299
		NC	Red	XB5AS442N <input checked="" type="checkbox"/>	299
	40	NC	Black	XB5AS522N <input checked="" type="checkbox"/>	303
		NC	Red	XB5AS542N <input checked="" type="checkbox"/>	299
Key release (n°155)	40	NC	Red	XB5AS9445N <input checked="" type="checkbox"/>	695
		NC	Black	XB5AS122N <input checked="" type="checkbox"/>	539
Trigger action turn to release	40	NC+NO	Red	XB5AS142N	545
Trigger action key to release	40	NO+NC	Red	XB5AS9445N	695

## Illuminated Pushbutton with yellow LED

Description	Supply Voltage	Type of Contact	Reference	Unit MRP [₹]	
<b>Double Headed Pushbuttons (Spring return)</b>					
1 flush push (marked "I")	~ 24V	NO+NC	XB5AW84B5N <input checked="" type="checkbox"/>	1100	
1 pilot light	~ 110V	NO+NC	XB5AW84G5N		
1 projecting push (marked "O")	~ 230V	NO+NC	XB5AW84M5N <input checked="" type="checkbox"/>		
<b>Mushroom Head Pushbuttons (Illuminated)</b>					
Turn to release	~ 24V	NC	Red	XB5AW74B2N <input checked="" type="checkbox"/>	948
	~ 230V	NC	Red	XB5AW74M2N <input checked="" type="checkbox"/>	1008
	-240V				

## Illuminated - Selector switch

Description	Type of Contact	Colour	Reference	Unit MRP [₹]
2 stay put ~ 24V	NO	Green	XB5AK123B1N <input checked="" type="checkbox"/>	664
	NC	Red	XB5AK124B2N <input checked="" type="checkbox"/>	664
	NO	Yellow	XB5AK125B1N <input checked="" type="checkbox"/>	664
	NO	Blue	XB5AK126B1N	1075
2 spring return from right to left ~ 24V	NO	White	XB5AK141B1N	1164
	NC	Red	XB5AK144B2N	1696
	NO	Yellow	XB5AK145B1N	1164
	NO	Blue	XB5AK146B1N	1456
3 stay put ~ 24V	2NO	White	XB5AK131B3N	1008
	2NO	Green	XB5AK133B3N <input checked="" type="checkbox"/>	695
	2NO	Yellow	XB5AK135B3N	695
	2NO	Blue	XB5AK136B3N	1344
3 spring return to centre ~ 24V	2NO	Green	XB5AK153B3N <input checked="" type="checkbox"/>	696
2 stay put ~ 230V	NO	Green	XB5AK123M1N	664
	NC	Red	XB5AK124M2N	664
	NO	Blue	XB5AK126M1N	1075
2 spring return right to left ~ 230V	NO	White	XB5AK141M1N <input checked="" type="checkbox"/>	1198
	NO	Green	XB5AK143M1N <input checked="" type="checkbox"/>	1164
	NC	Red	XB5AK144M2N <input checked="" type="checkbox"/>	1696
	NO	Yellow	XB5AK145M1N <input checked="" type="checkbox"/>	1198
	NO	Blue	XB5AK146M1N	1456
3 stay put ~ 230V	2NO	White	XB5AK131M3N	1039
	2NO	Green	XB5AK133M3N <input checked="" type="checkbox"/>	695
	2NO	Blue	XB5AK136M3N	1344
3 spring return to center ~ 230V	2NO	White	XB5AK151M3N	755
	2NO	Green	XB5AK153M3N <input checked="" type="checkbox"/>	696
	1NO+1NC	Red	XB5AK154M5N	1015
	2NO	Blue	XB5AK156M3N <input checked="" type="checkbox"/>	1536

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Non Illuminated Selector switches & Key switches

Description	Type of Contact	Reference	Unit MRP [₹]
Standard handle black	2 stay put	1NO XB5AD21N <input checked="" type="checkbox"/>	387
	2 spring return, right to left	1NO XB5AD41N <input checked="" type="checkbox"/> XB5AD21N	616
	3 stay put	2NO XB5AD33N <input checked="" type="checkbox"/>	422
	3 spring return to center	2NO XB5AD53N <input checked="" type="checkbox"/>	449
Long handle black	3 Spring return to center	2NO XB5AJ53N <input checked="" type="checkbox"/>	453
Key switch	2 stay put*	1NO XB5AG21N <input checked="" type="checkbox"/>	593
	2 stay put*	1NO XB5AG41N	593
	2 spring return, right to left	1NO XB5AG61N	1052
	3 stay put*	2NO XB5AG03N <input checked="" type="checkbox"/>	502
	3 spring return, right to center	2NO XB5AG083N <input checked="" type="checkbox"/>	856

\* Please refer catalogue for Key withdrawal position

## Accessories

Description	Legend Colour	Marking	Reference	Unit MRP [₹]
With blank legend (for engraving)	White/Yellow bkgd.	Blank	ZBY4101N <input checked="" type="checkbox"/>	154
		Inch	ZBY2321N	161
		OFF	ZBY2312N	161
		ON	ZBY2326N	161
With 8 x 27 mm English language marked legend	Black or Red bkgd.	Reset	ZBY2323N	161
		Reverse	ZBY2306N	161
		Start	ZBY2303N	154
Legends for emergency stop	Emergency stop	ON	ZBY9330N <input checked="" type="checkbox"/>	109
Mushroom head pushbuttons	Yellow bkgd.		ZBY8330N	109

## 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	57
	Black	ZBA2N	40
	Red	ZBA4N	37
	Yellow	ZBA5N	40
	Blue	ZBA6N	40
	Set of 6 colours*	ZBA9N	103
Projecting	White	ZBL1N	105
	Black	ZBL2N	105
	Green	ZBL3N	105
	Red	ZBL4N	105
	Yellow	ZBL5N	105
	Blue	ZBL6N	105
	Set of 6 colors*	ZBL9N	105

## Pushbutton caps (marked)

Type of Pushbutton caps	Text	Colour	Colour of Cap	Reference	Unit MRP [₹]
Projecting Flush (Double injection moulded marking)	STOP	White	Red	ZBL434N	164
	I	White	Green	ZBA331N	164
	START	White	Green	ZBA333N	157
	ON	White	Green	ZBA341N**	163
	STOP	White	Red	ZBA434N	157
	UP	Black	White	ZBA343N	163
	DOWN	White	Black	ZBA344N	236
	OFF	White	Red	ZBA434N	157

\* 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 <input checked="" type="checkbox"/>	111
Anti rotation plate,	Prevents head from rotation	ZB5AZ902N <input checked="" type="checkbox"/>	32
Fixing collar	To fix contacts or lights	ZB5AZ009N <input checked="" type="checkbox"/>	111
Fixing nut		ZB5AZ901N	32

## Contact blocks with screw clamp terminal connections

Description	Type of Contact	Reference	Unit MRP [₹]
Standard single	1NO	ZBE101N	92
Contact blocks	1NC	ZBE102N	92

## Clear silicon boots

Description	Reference	Unit MRP [₹]
Boot for cylindrical flush PB	ZBPAN <input checked="" type="checkbox"/>	63
Boot for cylindrical projecting PB	ZBP0N	93
Boot for double head illuminated PB and non-illuminated PB	ZBW008N	164

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Light block with screw clamp terminal connections

Description	Supply Voltage	Colour of Light source	Reference	Unit MRP [₹]
Integral LED	~ 24V	White	ZBVB1N	300
		Blue	ZBVB6N	791
	~ 110V	Green	ZBVG3N	385
		Blue	ZBVG6N	1162
		White	ZBVM1N	469
Direct bulb holder without resistance	~ 130V	-	ZBV6N	266

## Flush mounting kit and harmony+



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



Description	Reference	Unit MRP [₹]
Metal flush mounting kit (PB and PL).	ZB4BZ021	977
Metal flush mounting kit (SS and IPB).	ZB4BZ022	1028
Plastic flush mounting kit (PB and PL).	ZB5AZ021	857
Plastic flush mounting kit for legend 8x27 (PB and PL).	ZB5AZ023	977

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

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

Description	Colour	Reference	Unit MRP [₹]
≈ 24V	White	ZALVB1	622
	Green	ZALVB3	605
	Red	ZALVB4	593
	Yellow	ZALVB5	605
	Blue	ZALVB6	679
	~ 120V	White	ZALVG1
Green		ZALVG3	905
Yellow		ZALVG5	770
Blue		ZALVG6	770
~ 220V	White	ZALVM1	1915
	Green	ZALVM3	1089
	Red	ZALVM4	921
	Yellow	ZALVM5	846
	Blue	ZALVM6	871
	≈ 24V	White	ZBVB1
Green		ZBVB3	415
Red		ZBVB4	415
Yellow		ZBVB5	403
Blue		ZBVB6	524
~ 120V		White	ZBVG1
	Green	ZBVG3	549
	Red	ZBVG4	669
	Yellow	ZBVG5	637
	Blue	ZBVG6	1204
	~ 220V	White	ZBVM1
Green		ZBVM3	524
Red		ZBVM4	524
Yellow		ZBVM5	523
Blue		ZBVM6	628

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

Description	No. of ways	Color of Enclosure	Reference	Unit MRP [₹]
For normal environment Light grey base IP65	1	Dark grey	XALD01 <input checked="" type="checkbox"/>	643
	2	Dark grey	XALD02 <input checked="" type="checkbox"/>	797
	3	Dark grey	XALD03	989
	4	Dark grey	XALD04 <input checked="" type="checkbox"/>	1352
	5	Dark grey	XALD05	1765
For normal environment Light Grey base IP54	1	Yellow	XALK01 <input checked="" type="checkbox"/>	739
	2	Light Grey	XALE2	532
	3	Light Grey	XALE3	650



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

Description	Reference	Unit MRP [₹]
Plastic empty control station (1 cut-out), dark grey base, light grey cover	XALB01C	On Request
Plastic empty control station (for mounting XB2BS542C) - dark grey base, yellow cover	XALB01YC	
Plastic empty control station (2 cut-outs), dark grey base, light grey cover	XALB02C	
Plastic empty control station (3 cut-outs), dark grey base, light grey cover	XALB03C	
Plastic control station with 1 Emergency stop push button - dark grey base, yellow cover	XALJ01C	

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

NORMAL STOCK ITEMS

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

Description	Contacts Type and Composition	Reference	Unit MRP [₹]
Standard single	1 NO	ZENL1111 <input checked="" type="checkbox"/>	360
Contact block	1 NC	ZENL1121 <input checked="" type="checkbox"/>	



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

Description	Reference	Unit MRP [₹]
Red illuminated buzzer DC/AC24V	XB2BSB4LC	On Request
Red illuminated buzzer AC220V	XB2BSM4LC	
Buzzer 24V AC/DC	XB2BSBC	
Buzzer 110V AC	XB2BSFC	
Buzzer 220V AC	XB2BSMC	

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

NORMAL STOCK ITEMS

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## XVB-C Illuminated Lens Units

Description	Light Block Colour	Reference	Unit MRP [₹]
Lens unit - steady light - 250 V 10 W	Green	XVBC33	2602
	Red	XVBC34	2653
	Orange	XVBC35	2653
	Blue	XVBC36	2602
	Clear	XVBC37	2603
	Yellow	XVBC38	2602
Lens unit - flashing light - 24..48 V DC 24 V AC	Green	XVBC4B3	7270
	Red	XVBC4B4	7063
	Orange	XVBC4B5	7063
	Blue	XVBC4B6	7270
	Yellow	XVBC4B8	6937
Lens unit - flashing light - 48..230 V AC	Green	XVBC4M3	7091
	Red	XVBC4M4	7427
	Orange	XVBC4M5	7407
	Blue	XVBC4M6	7410
	Yellow	XVBC4M8	7091
Lens unit - steady light - 24 V AC DC	Green	XVBC2B3	5726
	Red	XVBC2B4	5726
	Orange	XVBC2B5	5726
	Blue	XVBC2B6	7386
	Clear	XVBC2B7	7386
Lens unit - steady light - 120 V AC	Yellow	XVBC2B8	5722
	Green	XVBC2G3	5613
	Red	XVBC2G4	5616
	Orange	XVBC2G5	5838
	Blue	XVBC2G6	7076
Lens unit - steady light - 230 V AC	Clear	XVBC2G7	7076
	Yellow	XVBC2G8	5866
	Green	XVBC2M3	5616
	Red	XVBC2M4	5616
	Orange	XVBC2M5	5616
Lens unit - flashing light - 24 V AC DC	Blue	XVBC2M6	7789
	Clear	XVBC2M7	7309
	Yellow	XVBC2M8	6114
	Green	XVBC5B3	10090
	Red	XVBC5B4	9783
Lens unit - flashing light - 120 V AC	Orange	XVBC5B5	9883
	Blue	XVBC5B6	12331
	Clear	XVBC5B7	8120
	Yellow	XVBC5B8	9726
	Red	XVBC5G4	10076
Lens unit - flashing light - 230 V AC	Orange	XVBC5G5	9894
	Blue	XVBC5G6	12284
	Clear	XVBC5G7	11535
	Yellow	XVBC5G8	10040
	Red	XVBC5M4	9695
Flashing unit - integral LED - 230..240 V AC	Orange	XVBC5M5	10076
	Blue	XVBC5M6	12213
	Yellow	XVBC5M8	10076
Green	XVBC5M3	10076	

## XVB Units

Description	Reference	Unit MRP [₹]
<b>XVB Audible Signalling Unit</b>		
Sound unit - continuous or intermittent buzzer - 75..90 dB - 12..48 V AC DC	XVBC9B	7982
Sound unit - continuous or intermittent buzzer - 75..90 dB - 120..230 V AC	XVBC9M	13417
<b>XVB Base Unit + Cover</b>		
Base unit + cover for bank XVB - without flash discharge tube - black - IP 65	XVBC21	3609
<b>XVB Accessories</b>		
Fixing base on vertical surface - zamak black - XVB	XVBC12	2187
Lateral cable entry kit with Pg 13.5 cable gland - XVB	XVBC14	476
Set of coloured indicator pins - 6 colors - XVB	XVBC22	396
Support tube + fixing base l=400 mm - aluminium black - XVB	XVBZ03	3005
Support tube + fixing base l=80 mm - aluminium black - XVB	XVBZ02	2271
Support tube + fixing base l=800 mm - aluminium black - XVB	XVBZ04	4474
<b>XVB Incandescent Bulb</b>		
Clear incandescent bulb for signalling - BA 15d - 24 V 10 W	DL1BLB	315
Clear incandescent bulb for signalling - BA 15d - 120 V 10 W	DL1BLG	537
Clear incandescent bulb for signalling - BA 15d - 230 V 10 W	DL1BLM	342

## XVB LED BA 15d Base Fitting

[Us] Rated Supply Voltage	Signalling Colour	Reference	Unit MRP [₹]
24 V	White	DL1BDB1	4208
	Green	DL1BDB3	3366
	Red	DL1BDB4	3366
	Blue	DL1BDB6	3817
	Yellow-Orange	DL1BDB8	3955
120 V AC	Blue	DL1BDG6	5069
	Green	DL1BDG3	4018
	Red	DL1BDG4	3959
	White	DL1BDG1	5069
	Yellow-Orange	DL1BDG8	4200
230 V AC	Blue	DL1BDM6	5069
	Green	DL1BDM3	4402
	Red	DL1BDM4	4283
	White	DL1BDM1	5069

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

NORMAL STOCK ITEMS

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

## XVR3 Multifunctional LED Beacon NEW

Description	Reference	Unit MRP [₹]
Multi-functional LED Beacon green witout buzzer DC/AC 12~24V	XVR3B03	12268
Multi-functional LED Beacon red witout buzzer DC/AC 12~24V	XVR3B04	12289
Multi-functional LED Beacon orange witout buzzer DC/AC 12~24V	XVR3B05	12081
Multi-functional LED Beacon blue witout buzzer DC/AC 12~24V	XVR3B06	12161
Multi-functional LED Beacon green witout buzzer AC 100~230V	XVR3M03	12041
Multi-functional LED Beacon red witout buzzer AC 100~230V	XVR3M04	11858
Multi-functional LED Beacon Orange witout buzzer AC 100~230V	XVR3M05	12081
Multi-functional LED Beacon Blue witout buzzer AC 100~230V	XVR3M06	12161
Multi-functional LED Beacon red with buzzer DC/AC 12~24V	XVR3B04S	24178
Multi-functional LED Beacon orange with buzzer DC/AC 12~24V	XVR3B05S	24890
Multi-functional LED Beacon blue with buzzer DC/AC 12~24V	XVR3B06S	25950
Multi-functional LED Beacon green with buzzer AC 100~230V	XVR3M03S	13360
Multi-functional LED Beacon red with buzzer AC 100~230V	XVR3M04S	11085
Multi-functional LED Beacon orange with buzzer AC 100~230V	XVR3M05S	11901
Multi-functional LED Beacon blue with buzzer AC 100~230V	XVR3M06S	13113
Multi-functional LED Beacon orange without buzzer DC48V	XVR3E05	11858
Multi-functional LED Beacon, External lens	XVR3Z001	327

## XVS Sirens

Description	Reference	Unit MRP [₹]
2 tones siren - 106 dB - 12...24V AC/DC - white	XVS10BMW	22276
2 tones siren - 106 dB - 120V AC - white	XVS10GMW	
2 tones siren - 106 dB - 230V AC - white	XVS10MMW	

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

NORMAL STOCK ITEMS

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## DL1 Incandescent Bulb

Description	Light Block Colour	Reference	Unit MRP [₹]
Clear incandescent bulb for signalling - ba 15d - 24 v 4 w		DL1BEBS	299
Clear incandescent bulb for signalling - ba 15d - 120 v 7 w		DL1BEG	316
Clear incandescent bulb for signalling - ba 15d - 230 v 5 w		DL1BEMS	324

## XVR Rotating Mirror Beacon

Description	Light Block Colour	Reference	Unit MRP [₹]
Rotating mirror beacon - 70W - 24V AC DC	Green	XVR1B93	16218
	Red	XVR1B94	17933
	Orange	XVR1B95	16156
	Blue	XVR1B96	16218
	Yellow	XVR1B98	16156
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Green	XVR08B03	12829
Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC	Green	XVR10B03	12829
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 24 V AC DC	Red	XVR13B04L	13458
	Orange	XVR13B05L	12830
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Blue	XVR08B06	13991
Rotating mirror beacon w/o buzzer XVR - Ø 120 - 24 V AC DC	Blue	XVR12B06	16481
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 120 V AC	Red	XVR13G04L	15903
	Orange	XVR13G05L	13991
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 230 V AC	Red	XVR13M04L	16926
	Orange	XVR13M05L	15759

## XVM Series

Tower Light with Super Bright LED and integral light diffuser

Description	Reference	Unit MRP [₹]
Complete Tower 24 V AC/DC Without Buzzer	XVMB2RASB	3599
	XVMB2RGSB	5347
	XVMB2R6AGSB	7764
	XVMB2RSSB	4198
	XVMB2RASSB	5748
Complete Tower 24 V AC/DC With Buzzer	XVMB2RGSSB	6060
	XVMB2RAGSSB	9170
	XVMG2RASB	5345
	XVMG2R6AGSB	9418
	XVMG2RASSB	6789
	XVMG2RSSB	5252
	XVMG2R6AGSSB	11266
Complete Tower 230 V AC Without Buzzer	XVMM2RASB	4978
	XVMM2RGSB	5317
	XVMM2RAGSB	8480
	XVMM2RSSB	7371
	XVMM2RASSB	7138
Complete Tower 230 V AC With Buzzer	XVMM2RGSSB	7412
	XVMM2RAGSSB	9017
	XVMM2R6AGSSB	11891

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

NORMAL STOCK ITEMS

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## XVM Series

Description	Reference	Unit MRP [₹]
Base and Cover	XVMC21	761
Tube and Base	XVMC213T	1453
Base with Buzzer 24V	XVMC29B	2186
Tube and Base with Buzzer 120V	XVMC29G3T	3117
Base with Buzzer 230V	XVMC29M	2277
Green Lens	XVMC33	845
Red Lens	XVMC34	845
Yellow Lens	XVMC35	845
Blue Lens	XVMC36	845
Clear Lens	XVMC37	845
100mm Aluminium Tube with Stand	XVMZ02	700
100mm Aluminium Tube with Bracket	XVMZ02T	849
400mm Aluminium Tube with Stand	XVMZ04	1434
Cover for Replacement	XVMZ081	201
Tool for Bulb	ZBZX13	208
Incandescent Bulb 24 V	DL1EDBS	216
Incandescent Bulbs 120 V	DL1EDGS	219
White Led Bulb 24 V	DL2EDB1SB	1069
Green Led Bulb 24 V	DL2EDB3SB	1069
Red Led Bulb 24 V	DL2EDB4SB	1069
Blue Led Bulb 24 V	DL2EDB6SB	1234
Orange Led Bulb 24 V	DL2EDB8SB	1046

## XVM Series

Description	Reference	Unit MRP [₹]
Green Led Bulb 120 V	DL2EDG3SB	1243
Blue Led Bulb 230 V	DL2EDM6SB	1294
Orange Led Bulb 230 V	DL2EDM8SB	1256
White Flashing Led Bulb 24 V	DL2EKB1SB	1392
Green Flashing Led Bulb 24 V	DL2EKB3SB	1462
Blue Flashing Led Bulb 24 V	DL2EKB6SB	1462
Green Flashing Led Bulb 120 V	DL2EKG3SB	2378
Orange Flashing Led Bulb 120 V	DL2EKG8SB	2378
White Flashing Led Bulb 230 V	DL2EKM1SB	1733
Green Flashing Led Bulb 230 V	DL2EKM3SB	1733
Blue Flashing Led Bulb 230 V	DL2EKM6SB	1766
Orange Flashing Led Bulb 230 V	DL2EKM8SB	1766
Strobe Bulb 120V	DL6BG	2875
Strobe Bulb 230 V	DL6BM	2875

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

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

### Reference example

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

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

Description	References	Unit MRP [₹]
<b>With aluminium tube mounting and L-bracket</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2	3151
3-Stage Red, Amber, Green	XVGB3	3570
4-Stage Red, Amber, Green, Blue	XVGB4	4299
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2S	3578
3-Stage Red, Amber, Green	XVGB3S	4058
4-Stage Red, Amber, Green, Blue	XVGB4S	4321
With direct aluminium tube mounting		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2T	3247
3-Stage Red, Amber, Green	XVGB3T	3947
4-Stage Red, Amber, Green, Blue	XVGB4T	4784
<b>With Buzzer</b>		
3-Stage Red, Amber, Green	XVGB3ST	4086
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2H	3151
3-Stage Red, Amber, Green	XVGB3H	3607
4-Stage Red, Amber, Green, Blue	XVGB4H	4731
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2SH	3852
3-Stage Red, Amber, Green	XVGB3SH	4153
4-Stage Red, Amber, Green, Blue	XVGB4SH	5175
<b>With aluminium tube mounting and foldable bracket</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2M	3612
3-Stage Red, Amber, Green	XVGB3M	3949
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2SM	3917
3-Stage Red, Amber, Green	XVGB3SM	4288
4-Stage Red, Amber, Green, Blue	XVGB4SM	4324
<b>With base mounting - Direct</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2W	2961
3-Stage Red, Amber, Green	XVGB3W	3484
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2SW	3466
3-Stage Red, Amber, Green	XVGB3SW	3919
4-Stage Red, Amber, Green, Blue	XVGB4SW	4683
<b>XVG-USB Based Towerlights</b>		
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 Direct base mounting	XVGU3SWV	7903
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 With 100 mm aluminium tube mounting	XVGU3SHAV	8958

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

NORMAL STOCK ITEMS

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**Optical Sensors**

- XUB M18 Body
- 100mA (with overload and short circuit protection)

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
Diffuse	0.6 m	PNP NO	XUB5APANM12 <input checked="" type="checkbox"/>	3788
		PNP NO	XUB5BPANM12 (Metal) <input checked="" type="checkbox"/>	5020
		PNP NO	XUB5APANL2 <input checked="" type="checkbox"/>	3762
		PNP NO	XUB5BPANL2 <input checked="" type="checkbox"/>	4496
Polarised reflex	2m	PNP NO	XUB9APANM12 <input checked="" type="checkbox"/>	3990
		PNP NO	XUB9BPANM12	4949
		PNP NO	XUB9APANL2	3781
Fixed Diffuse	100 mm	PNP NO	XUB4APANL2	3647
			XUB4APANM12	3647
			XUB4BPANM12 (Metal)	4534
Reflex	4 m	PNP NO	XUB1APANL2 (Without Reflector)*	3647
			XUB1APANM12	3647
		PNP NC	XUB1BPANM12 (Metal)	4179
			XUB1APBNL2 (Without Reflector)*	3647
Receiver Thru Beam	15 m	PNP NO	XUB2APANL2R	3232
			XUB2AKSNL2T	3235
		PNP NC	XUB2AKSNM12T	2200
			XUB2BKSNM12T (Metal)	2818
Receiver Thru Beam	15m	PNP NO	XUB2APANM12R	3232
Receiver Thru Beam			XUB2BPANM12R (Metal)	4349
Transmitter Thru Beam			XUB2AKSNL2T	3235

**Note :**

1. L2 stands for sensors with 2m cable
4. M12 stand for universal connectors.

Principle of operation	Sensing range	Connection	Reference	Unit MRP [₹]
<b>Cylindrical M18</b>				
Multi Mode	> 0...20 m	Cable 2 m	XUB0APSNL2	7180
Multi Mode	> 0...20 m	Connector	XUB0APSNM12	7381
Multi Mode	> 0...20 m	Connector	XUB0BPSNM12 (Metal)	7509

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
<b>Compact 50 x 50 mm</b>				
Reflex	7 m	AC/DC 1C/O Relay	XUK1ARCNL2	7037
Diffuse	1 m	AC/DC 1C/O Relay	XUK5ARCNL2	7037
Reflex polarized	5 m	AC/DC 1C/O Relay	XUK9ARCNL2	6918
Multimode	30 m	pnp/npn no/nc	XUK0AKSAL2	9454
Multimode	30 m	AC/DC 1C/O Relay	XUK0ARCTL2	10856

<b>Compact 92 x 71 mm</b>				
Diffuse	2.1 m	AC/DC 1C/O relay	XUX5ARCNT16	8661
Reflex Polarized	11 m	AC/DC 1C/O relay	XUX9ARCNT16	9583
Reflex	14 m	AC/DC 1C/O relay	XUX1ARCNT16	7761
Thru beam transmitter		AC/DC	XUX0ARCTT16T	7481
Multimode	1.3 m...40 m	PNP/NPN NO/NC	XUX0AKSAT16	14275
Multimode	1.3 m...40 m	AC/DC 1C/O relay	XUX0ARCTT16	15019

\*Reflector to be ordered separately.

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

NORMAL STOCK ITEMS

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**XUK Colour Sensors**



- Supply Voltage 10..30 VDC
- Teach Button Sensitivity Adjustment
- 3 Wire
- IP 65

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
Polarised Reflex 3127	> 1...5 m	Cable 2 m	XUM9APSBL2	4618
Polarised Reflex	> 1...5 m	Connector	XUM9APSBM8	5123
Diffuse	> 0.3...1 m	Cable 2 m	XUM5APCNL2	3524
Diffuse	> 0.3...1 m	Connector	XUM5APCNM8	3221
Thru beam - Transmitter	15m	Cable	XUM2APSBL2	9184
Multi Mode	> 0...10 m	Cable 2 m	XUM0APSAL2	7753

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
Diffuse contrast sensor	19 mm	PNP NO	XUKR1PSMM12	16020

**Fixing Bracket**

Description	Reference	Unit MRP [₹]
For XUB	XUZA118	848
For XUK	XUZA51	773

**Reflector (mm)**

Description	Reference	Unit MRP [₹]
24 x 21	XUZC24	1075
50 x 50	XUZC50 <input checked="" type="checkbox"/>	1102
80 (dia)	XUZC80 <input checked="" type="checkbox"/>	1616
100 x 100	XUZC100 <input checked="" type="checkbox"/>	1563

**OsiSense XU**



SN [mm]	Light Mode	Output	Connection	Reference	Unit MRP [₹]
<b>Fork Sensor</b>					
30mm	Red LED	PNP,[NO]	2m Cable	XUVR0303PANL2	7152
50mm	Red LED	PNP,[NO]	M8 Connector	XUVR0605PANM8	8725

**Fiber Design Amplifier**



- 3 Wire DC, Teach Mode

Depending on fiber	-	PNP NO/NC programmable	2M Cable	XUDA2PSML2 <input checked="" type="checkbox"/>	On Request
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**XU.8 Background Suppression**

SN [m]	Body Type	Output	Connection	Reference	Unit MRP [₹]
1m	Compact 50x50	PNP/NPN,NO/NC programmable	2m Cable	XUK8AKSNL2	7879
1m	Compact 50x50	PNP/NPN,NO/NC programmable	M12 Connector	XUK8AKSNM12 <input checked="" type="checkbox"/>	8796
0.3m	Miniature	PNP NO/NC programmable	2m Cable	XUM8APCNL2 <input checked="" type="checkbox"/>	5307

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

NORMAL STOCK ITEMS

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**Electromechanical Pressure Switches**



Description	Pressure Range	Reference	Unit MRP [₹]
Electromechanical pressure switches for control circuit			
<ul style="list-style-type: none"> <li>• Suitable for air, fresh water, sea water</li> <li>• Adjustable differential</li> <li>• 1 C/O single pole contact</li> <li>• G 1/4 (BSP female) fluid connection</li> <li>• Mechanical durability - 1 x 10<sup>6</sup> operating cycles</li> </ul>			
Setting screw external	1-6 bar	XMAV06L2135	4227
Adjustable range of rising pressure	1.3-12 bar	XMAV12L2135	3611
	3.5-25 bar	XMAV25L2135	4448
Electromechanical pressure switches for power circuits			
<ul style="list-style-type: none"> <li>• Suitable for fresh water &amp; sea water</li> <li>• Adjustable differential</li> <li>• 2 pole 2 N/C contact</li> <li>• Degree of protection - IP20</li> <li>• G 1/4 (BSP female) fluid connection</li> </ul>			
Adjustable range of rising pressure 1.4 - 4.6 bar		FSG2 <input checked="" type="checkbox"/>	1531
Electromechanical pressure switches (Nautilus)			
<ul style="list-style-type: none"> <li>• Conforming to IEC/EN 60947-5-1</li> <li>• 1 C/O single pole contact (4 terminal) snap action with setting scale</li> </ul>			
<b>Fixed differential</b>			
0.4 to 4 bar		XMLA004A2S11 <input checked="" type="checkbox"/>	11355
0.7 to 20 bar		XMLA020A2S11 <input checked="" type="checkbox"/>	8428
1.5 to 35 bar		XMLA035A2S11 <input checked="" type="checkbox"/>	7694
5 to 70 bar		XMLA070D2S11 <input checked="" type="checkbox"/>	8470
<b>Adjustable differential</b>			
0.25 to 4 bar		XMLB004A2S11 <input checked="" type="checkbox"/>	12272
1.3 to 20 bar		XMLB020A2S11 <input checked="" type="checkbox"/>	12272
3.5 to 35 bar		XMLB035A2S11	18140
7 to 70 bar		XMLB070D2S11	13147

**XMLP Pressure Transmitter**

- For Hydraulic Oil, air, fresh water, sea water, gas & Refrigeration fluids



Pressure Range	Output	Connection	Reference	Unit MRP [₹]
0 to 10 bar	4-20mA	DIN 43650	XMLP010BC21F <input checked="" type="checkbox"/>	9718
0 to 400 bar	4-20mA	DIN 43650	XMLP400BC21F	9718
0 to 400 bar	0-10V	M12	XMLP400BD71F	8609

Note: 10, 16, 25, 40, 60, 100, 250, 400 and 600 , bar version available in stock

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

NORMAL STOCK ITEMS

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**XCKD Limit Switches**



- Metal body
- Conforming to IEC60947-5-1, EN60947-5-1, UL 508, CSA
- C22-2 n°14 standards
- Degree of Protection - IP67
- Tapped entry for n°11 cable gland
- 2 pole N/O + N/C, snap action contact available as standard (3 output contacts also available in same size and replaceable at site)

Description	number of Poles	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO		XCKD2102G11 <input checked="" type="checkbox"/>	1879
Cat's whisker - 1 NC + 1 NO		XCKD2106G11	2115
Steel end plunger - 1 NC + 1 NO		XCKD2110G11	2506
Thermoplastic roller lever - 1 NC + 1 NO		XCKD2118G11 <input checked="" type="checkbox"/>	2292
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO		XCKD2121G11 <input checked="" type="checkbox"/>	2096
Thermoplastic adjustable roller lever - 1 NC + 1 NO		XCKD2145G11 <input checked="" type="checkbox"/>	1960
Sub-assemblies Metal Bodies for XCKD			
Body ZCD 1 NC + 1 NO Snap Action	2	ZCD21 <input checked="" type="checkbox"/>	2407
Body ZCD 2 NC + 1 NO Snap Action	3	ZCD39	2764
Gland and Head for ZCD Bodies			
Cable gland entry Pg 11 - metal body		ZCDEG11	221
Head for Limit switch - ZCE without operating lever		ZCE01 <input checked="" type="checkbox"/>	619
Steel roller plunger		ZCE02 <input checked="" type="checkbox"/>	820
Cat's whisker		ZCE06	1102
Steel end plunger		ZCE10	653
Thermoplastic roller lever plunger, horizontal direction		ZCE21 <input checked="" type="checkbox"/>	1045
Thermoplastic roller lever ZCY		ZCY18*	260
Steel roller lever ZCY		ZCY19*	692
Variable length thermoplastic roller lever		ZCY45* <input checked="" type="checkbox"/>	915
*To be used with head ZCE01			
Contact block for ZCD bodies			
1NO + 1NC	2	XE2SP2151 <input checked="" type="checkbox"/>	670
1NO + 2NC	3	XE3SP2141	1652

**XCK-M Limit Switches**



- 1 NO + 1 N/C with positive opening operation
- Heavy duty oil-tight to IP 665
- Up to 20 million operations

Description	Reference	Unit MRP [₹]
<b>Body</b>		
Body - 1 NC + 1 NO - terminals	ZCKM1 <input checked="" type="checkbox"/>	1731
Spare contacts	XE2SP2151 <input checked="" type="checkbox"/>	670
For ordering complete limit switches, please select body and head listed above		
<b>Head</b>		
Head - steel roller plunger	ZCKD02 <input checked="" type="checkbox"/>	884
Head - cat's whisker	ZCKD06 <input checked="" type="checkbox"/>	972
Head - spring rod lever	ZCKD08 <input checked="" type="checkbox"/>	1000
Head - steel end plunger	ZCKD10 <input checked="" type="checkbox"/>	515
Delrin roller lever head	ZCKD15 <input checked="" type="checkbox"/>	1068
Delrin roller lever plunger head	ZCKD21 <input checked="" type="checkbox"/>	1000
Steel roller lever plunger head	ZCKD23	1259
Variable length Delrin roller lever	ZCKD41 <input checked="" type="checkbox"/>	1306

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**XCK-P Thermoplastic**



Conforming to IEC 947-5-1  
 Degree of Protection - IP 653  
 Double insulated  
 Class II conforming to IEC 536  
 15 million mechanical durability  
 1 NO+1 NC 2 pole snap action contacts with positive opening

Description	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO	XCKP2102G11 <input checked="" type="checkbox"/>	1332
Cat's whisker - 1 NC + 1 NO	XCKP2106G11 <input checked="" type="checkbox"/>	2017
Steel end plunger - 1 NC + 1 NO	XCKP2110G11 <input checked="" type="checkbox"/>	1107
Delrin roller lever <sup>(1)</sup>	XCKP2118G11 <input checked="" type="checkbox"/>	1140
Delrin roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKP2121G11 <input checked="" type="checkbox"/>	1368
Delrin roller lever plunger, vertical direction - 1 NC + 1 NO	XCKP2127G11 <input checked="" type="checkbox"/>	2106
Adjustable roller lever - 1 NC + 1 NO (1) (Variable Length)	XCKP2145G11 <input checked="" type="checkbox"/>	1332
Spare contact block	XE2SP2151 <input checked="" type="checkbox"/>	670

**Note :** 1 tapped entry for size 11 cable gland  
 (1) Adjustable through 360° in 5 steps

**XCMD Metal, compact**



Conforming to IEC 947-5-1  
 IP 67 conforming to IEC 529  
 Pre-cabled, 5 x 0.75 mm<sup>2</sup>  
 Single pole 1 C/O contact, snap action

Description	Reference	Unit MRP [₹]
Steel roller plunger	XCMD2102L1 <input checked="" type="checkbox"/>	3151
Metal end plunger	XCMD2110L1 <input checked="" type="checkbox"/>	2664
Thermoplastic roller lever	XCMD2115L1 <input checked="" type="checkbox"/>	2753

**XCK - J Metal**



1NO + 1NC  
 Snap action  
 Positive opening operation  
 30 million operations  
 Heavy Duty Oil Tight to IP 667  
 Accuracy = 0.01 mm

Description	Reference	Unit MRP [₹]
Head - without operating lever - Rotary head	ZCKE05 <input checked="" type="checkbox"/>	1819
Head - cat's whisker	ZCKE06 <input checked="" type="checkbox"/>	1832
Head - spring rod lever	ZCKE08 <input checked="" type="checkbox"/>	1988
Head - steel roller lever	ZCKE23	3219
Head - metal end plunger	ZCKE61	1558
Head - reinforced end plunger	ZCKE67 <input checked="" type="checkbox"/>	2597
Body - 1 NC + 1 NO - terminals	ZCKJ1 <input checked="" type="checkbox"/>	2189
Body - 2 OC - terminals 2 NO + 2 NC	ZCKJ2 <input checked="" type="checkbox"/>	3548
Steel roller lever	ZCKY13 <input checked="" type="checkbox"/>	471
Delrin roller lever Ø 50 mm	ZCKY41 <input checked="" type="checkbox"/>	687
Nylon round rod Ø 6 mm	ZCKY59 <input checked="" type="checkbox"/>	396
spare contacts	XE2SP2151 <input checked="" type="checkbox"/>	670

**Note:**

- For ordering complete Limit Switches, please select body, head and, if necessary, roller listed above

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

NORMAL STOCK ITEMS



**Tiger Limit Switches**

XCJ-Thermoplastic



Conforming to IEC 60947-5-1  
 Degree of Protection - IP 40, IK 04  
 Mechanical durability - 10 million operations  
 Operating frequency - 120 operations per minute  
 Light Duty application

Description	Type of Approach	Reference	Unit MRP [₹]
Steel roller plunger - 1OC	For lateral cam movement	XCJ102C <input checked="" type="checkbox"/>	1083
Steel roller plunger	For transverse cam movement	XCJ103C <input checked="" type="checkbox"/>	1152
Steel end plunger	Vertical cam approach	XCJ110C <input checked="" type="checkbox"/>	970
Short flat roller lever plunger	One way operation	XCJ121C	1448
Short flat lever plunger		XCJ125C	785
Long flat lever plunger		XCJ126C <input checked="" type="checkbox"/>	902
short roller lever plunger - flat		XCJ127C <input checked="" type="checkbox"/>	812
Long roller lever plunger - flat		XCJ128C <input checked="" type="checkbox"/>	908

**XCE-Metal Zinc Alloy**



Conforming to IEC 60947-5-1  
 Degree of Protection - IP 65  
 Mechanical durability - 10 million operations  
 Operating frequency - 120 operations per minute  
 Medium Duty application

Description	Reference	Unit MRP [₹]
Steel roller plunger for lateral cam movement	XCE102C <input checked="" type="checkbox"/>	1454
Steel end plunger	XCE110C <input checked="" type="checkbox"/>	1333
Thermoplastic roller lever	XCE118C <input checked="" type="checkbox"/>	1493
Variable length thermoplastic roller lever	XCE145C <input checked="" type="checkbox"/>	1805
Round rod Ø3 mm steel rod	XCE154C	2606
Spring rod lever	XCE181C	1734

**XCKN Limit Switches**



Plastic body  
 Conforming to IEC60947-5-1, EN60947-5-1, UL 508, CSA  
 C22-2 n°14 standards  
 Degree of Protection - IP65  
 Tapped entry for n°11 cable gland  
 2 pole N/C + N/O, snap action

Description	Type of Approach	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO	Lateral cam approach 2 directions	XCKN2102G11 <input checked="" type="checkbox"/>	934
Cat's whisker - 1 NC + 1 NO	Multi-directional approach	XCKN2106G11 <input checked="" type="checkbox"/>	1116
Spring lever - 1 NC + 1 NO	Multi-directional approach	XCKN2108G11 <input checked="" type="checkbox"/>	1660
Steel end plunger - 1 NC + 1 NO	Vertical approach 1 direction	XCKN2110G11 <input checked="" type="checkbox"/>	787
Thermoplastic roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2118G11 <input checked="" type="checkbox"/>	823
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO	Lateral approach 1 direction	XCKN2121G11 <input checked="" type="checkbox"/>	1028
Variable length adjustable roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2145G11 <input checked="" type="checkbox"/>	989
Variable length adjustable Thermoplastic roller lever Ø 50 mm - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2149G11 <input checked="" type="checkbox"/>	1215
Variable length adjustable Thermoplastic large roller lever Ø 50 mm - 1 NC + 1 NO, snap action	Lateral approach 2 directions	XCKN2149P20S64 <input checked="" type="checkbox"/>	858
Variable length adjustable Thermoplastic large roller lever Ø 50 mm - 1 NC + 1 NO, Slow-break, break before make	Lateral approach 2 directions	XCKN2549P20S64 <input checked="" type="checkbox"/>	866

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**XCMN Limit Switches**



Miniature design  
 Conforming to IEC60947-5-1, EN60947, UL 508, CSA C22-2 n°14 standards  
 Degree of Protection - IP65  
 Plastic body with metal head  
 1 metre PVR cable supplied as standard (4 x 0.75mm<sup>2</sup>)  
 2 pole N/C + N/O, snap action contact  
 Mechanical durability - 5 million operating cycles

Description	Reference	Unit MRP ₹
Steel roller plunger for lateral cam approach	XCMN2102L1	1956
Steel end plunger	XCMN2110L1	1699
Thermoplastic roller lever - 1 NC + 1 NO	XCMN2115L1	1877
roller lever plunger - 1 NC + 1 NO - one direction actuation	XCMN2121L1	2202
Thermoplastic adjustable roller lever - 1 NC + 1 NO	XCMN2145L1	2134

**XCKMR (Metal) Limit Switches**



For Hoisting & material handling Application  
 3 Cable Entry

Type of Operator	Contact Type	Cable Entry	Reference	Unit MRP ₹
With Cruciform metal rod	2x2 pole NC + NC Staggered	M20 x 1.5	XCKMR54D1H29 <input checked="" type="checkbox"/>	11350
With Cruciform metal rod	2x2 pole NC + NC Staggered	PG 13 Cable Gland	XCKMR54D1 <input checked="" type="checkbox"/>	12858

**XCKVR (Plastic) Limit Switch**



Type of Operator	Contact Type	Cable Entry	Reference	Unit MRP ₹
With cruciform metal rod	2x2 pole NC+NC staggered	M20x1.5	XCKVR54D1H29 <input checked="" type="checkbox"/>	4891

**Conveyor Belt Shift Monitoring Switches**



Type of Operator	Tripping Angle	Reference	Unit MRP ₹
Spring return roller zinc plated steel with lever for corrosive atmosphere	10° fault signalling 18° stopping of the conveyor belt	XCRT115	18986
Spring return roller stainless steel with lever	10° fault signalling 18° stopping of the conveyor belt	XCRT215	40760
Spring Return steel roller lever	23° Stopping of the Conveyor Belt (1 C/O)	XCKJ105217H29	4501

**Note:**

- Accuracy = 0.05 mm
- 3 cable entries tapped for CM10 cable glands

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**XCKM.LC Metal**



1NO + 1NC Snap action  
 10 millions operations  
 Heavy Duty Oil tight IP66, IK05

Operation type	Connection	Reference	Unit MRP [₹]
Metal end plunger	Pg11	XCKM110LC	2575
Steel roller plunger	PG11	XCKM102LC	2575
Steel roller lever	Pg11	XCKM116LC	1854
Steel roller lever	M20	XCKM116H29LC	2266
Steel roller lever Horizontal actuation	Pg11	XCKM2023LC	1854

**XCKJ.LC**



1NO + 1NC  
 Snap action  
 10 million operations  
 Heavy Duty Oil Tight to IK07, IP66, IP67

Operation Type	Connection	Reference	Unit MRP [₹]
Metal end plunger	Pg 13.5	XCKJ161LC	1781
Steel roller plunger	M20	XCKJ167H29LC	1836
Steel roller plunger	Pg 13.5	XCKJ167LC	1836
Steel roller lever	M20	XCKJ10513H29LC	1734
Steel roller lever	Pg13.5	XCKJ10513LC	1717
Var.length Thermoplastic roller lever	M20	XCKJ10541H29LC	2130
Var.length Thermoplastic roller lever	Pg13.5	XCKJ10541LC	2130
Polyamide 6 mm rod lever	M20	XCKJ10559H29LC	1980
Var.length Steel roller lever	M20	XCKJ10543H29LC	1794
Var.length Steel roller lever	Pg13.5	XCKJ10543LC	1638

**XCK-T Thermoplastic**



Conforming to IEC 947-5-1  
 Degree of Protection - IP 653  
 Double insulated  
 Class II conforming to IEC 536  
 15 Million Mechanical durability  
 1 NO+1 NC 2 pole snap action contacts with positive opening

Description	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO	XCKT2102G11	1847
Steel end plunger - 1 NC + 1 NO	XCKT2110G11	2207
Delrin - roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKT2121G11	1847

Note : 2 tapped entries for size 11 cable glands  
 (1) Adjustable through 360° in 5 steps

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**Wireless and Batteryless OsiSense XCMW**



Uses Zigbee® protocol for best-in-class communication performance  
 Up to 100m distance in open field  
 Up to 32 transmitters per receiver (ZBRRC and ZBRRD receivers)  
 Top performance with access point receiver:  
 • Through Modbus serial  
 • Through Modbus/TCP protocol

Operation	Reference	Unit MRP [₹]
Metal end plunger	XCMW110	On Request
Steel roller plunger	XCMW102	On Request
Thermoplastic roller lever	XCMW115	On Request
Steel roller lever	XCMW116	On Request
Variable length thermoplastic roller lever	XCMW145	On Request

**XZBW, universal wireless solution for sensors**



Brings wireless transmission to any standard sensor or switch.  
 Savings on cables, cable tray & related maintenance costs.  
 Compatible with any type of PNP/ NPN or contact sensor  
 One digital input per emitter  
 Connect up to two emitters per receiver

Operation	Reference	Unit MRP [₹]
Wireless transmitter for sensors and switches	XZBWE112A24	On Request
Programmable receiver - 4 PNP - 200 mA - 24 V DC - 2 pusbuttons - 6 LEDs	XZBWR2STT24	On Request

**Safety Detection Solution**



Guard Switch, Actuator Operated  
 Plastic, Turret Head  
 Mechanical Durability = >1 Million operating cycle  
 NC contact with positive opening

Operation	Cable Entry	Reference	Unit MRP [₹]
3 Pole NC+ NC + NO - Snap Action	Pg 11	XCSPA491	3324
2 Pole NC + NO - Break Before Make, Slow Break	Pg 11	XCSPA591	2522
2 Pole NC + NO - Break Before Make, Slow Break	½" NTP	XCSPA592 <input checked="" type="checkbox"/>	2052
2 Pole NC + NC - Slow Break	Pg 11	XCSPA791	2264
2 Pole NC + NC - Slow Break	½" NTP	XCSPA792	2479
3 Pole NC+ NO + NO - Slow Break (2NO Staggered)	Pg11	XCSTA591 <input checked="" type="checkbox"/>	3077

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**XCS LE /LF Safety Solenoid Interlock**



Body Type	Contacts	Voltage	Locking	Reference	Unit MRP [₹]
Metal	NO + NC	24V AC/DC	On de-energisation	XCSLF2525312	18138
Plastic	NO + NC	24V AC/DC	On de-energisation	XCSLE2525312 <input checked="" type="checkbox"/>	13969
Plastic	NC + NC + NO	24V AC/DC	On de-energisation	XCSLE3737312	16905

**XCSDM Safety coded Magnetic Switch**



Contact*	Body Size	Connection	Reference	Unit MRP [₹]
2-pole 1 NC + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC5902 <input checked="" type="checkbox"/>	4874
2-pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC7902	5352
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP5902	3896
2-pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP7902	4307
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP700L01M12	10250
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP701L01M12	7131
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR590L01M12	6459

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



**Specifications: Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15 mm**

[Sn] nominal sensing distance	Sensor design	Discrete output function	Discrete Output type	Reference	Unit MRP [₹]
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
1.5mm	M8	1 NO	NPN	XS108BLNAL2	1519
			PNP	XS108BLPAL2 <input checked="" type="checkbox"/>	1255
			PNP	XS108BLPAM12 <input checked="" type="checkbox"/>	1349
			PNP	XS108BLPAM8	1374
<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>					
2.5mm	M8	1 NO	NPN	XS208BLNAL2 <input checked="" type="checkbox"/>	1730
			PNP	XS208BLPAL2 <input checked="" type="checkbox"/>	1746
			PNP	XS208BLPAM12	2568
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
2mm	M12	1NC	PNP	XS112BLPBL2 <input checked="" type="checkbox"/>	2149
		1 NO	NPN	XS112BLNAL2 <input checked="" type="checkbox"/>	1154
			NPN	XS112BLNAM12	1466
			PNP	XS112BLPAL2 <input checked="" type="checkbox"/>	1108
PNP	XS112BLPAM12 <input checked="" type="checkbox"/>	1076			

**Specifications : Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15mm**

[Sn] nominal sensing distance	Sensor design	Discrete output function	Discrete Output type	Reference	Unit MRP [₹]
<b>Two Wire - 12-240V AC Metal, Flush Mountable - Threaded</b>					
<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>					
4 mm	M12	1 NC	NPN	XS212BLNBL2 <input checked="" type="checkbox"/>	1474
			PNP	XS212BLPBL2 <input checked="" type="checkbox"/>	1602
			PNP	XS212BLPAM12	1389
		1 NO	NPN	XS212BLNAL2	1192
			NPN	XS212BLNAM12	1846
			PNP	XS212BLPAL2 <input checked="" type="checkbox"/>	1188
PNP	XS212BLPAL5	1573			
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
5 mm	M18	1NC	PNP	XS118BLPBL2	1774
			NPN	XS118BLNAL2 <input checked="" type="checkbox"/>	1389
			NPN	XS118BLNAM12	1874
		1 NO	PNP	XS118BLPAL2 <input checked="" type="checkbox"/>	1249
			PNP	XS118BLPAL5	2503
			PNP	XS118BLPAM12 <input checked="" type="checkbox"/>	1791
<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>					
8 mm	M18	1 NO	NPN	XS218BLNAL2 <input checked="" type="checkbox"/>	1214
			NPN	XS218BLNAM12	1832
			PNP	XS218BLPAL2 <input checked="" type="checkbox"/>	1188
			PNP	XS218BLPAL5	1573
PNP	XS218BLPAM12 <input checked="" type="checkbox"/>	1330			

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**Specifications : Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15mm**

[Sn] Nominal sensing distance	Sensor design	Discrete Output function	Discrete Output type	Reference	Unit MRP [₹]
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
10mm	M30	1NC	PNP	XS130BLPBL2	2390
		1 NO	NPN	XS130BLNAL2 <input checked="" type="checkbox"/>	2317
			PNP	XS130BLPAL2 <input checked="" type="checkbox"/>	1358
				XS130BLPAM12	2374
		<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>			
15mm	M30	1NC	PNP	XS230BLPBL2	1516
		1 NO	NPN	XS230BLNAL2	2114
			PNP	XS230BLPAL2 <input checked="" type="checkbox"/>	1320
				XS230BLPAL5	2276
		XS230BLPAM12	2390		

**Note :**

1. L2 stands for sensors with 2m cable
2. L5 stands for sensors with 5m cable
3. L10 stands for sensors with 10m cable
4. M8 & M12 stand for universal connectors.
5. Connectors to be ordered seperately.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**Extended Sensing Range**

[Sn] Nominal sensing distance	Sensor design	Discrete Output function	Discrete Output type	Reference	Unit MRP [₹]
<b>Three Wire Metal 10-36V DC, Flush Mountable - Threaded</b>					
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAL2	4206
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAM12 <input checked="" type="checkbox"/>	3948
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAL2 <input checked="" type="checkbox"/>	3490
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAM12 <input checked="" type="checkbox"/>	2979
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAL2 <input checked="" type="checkbox"/>	4001
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAM12 <input checked="" type="checkbox"/>	3647
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAL2 <input checked="" type="checkbox"/>	4776
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAM12 <input checked="" type="checkbox"/>	4537
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
4 mm	M12	1 NO	PNP	XS112B3PAL2	2482
				XS112B3PAM12 <input checked="" type="checkbox"/>	2053
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
8 mm	M18	1 NO	PNP	XS118B3PAL2	2873
				XS118B3PAM12	3519
8 mm	M18	1 NO	PNP	XS118B3PAL2	2873
				XS118B3PAM12	3519
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
15 mm	M30	1 NO	PNP	XS130B3PAM12	3019

**Multi Current/Multi Voltage sensor for AC/DC Application  
2 Wire, Supply voltage 20...264 LED Out Put State Indicator**

[Sn] Nominal sensing distance	Sensor design	Discrete Output function	Reference	Unit MRP [₹]
4 mm	M12	NO	XS612B1MAL2 <input checked="" type="checkbox"/>	6865
8 mm	M18	NO	XS618B1MAL2 <input checked="" type="checkbox"/>	4898
15 mm	M30	NO	XS630B1MAL2 <input checked="" type="checkbox"/>	5327

Multi Current/Multi voltage Sensor for AC/DC Application  
2 wire connection  
Supply voltage 20...264 V

**Flush-Non flush mountable via teach mode**

25 mm	40 x 40 x 15	AC/DC NO	XS8C1A1MAL2	9852
60 mm	80 x 80 x 26	AC/DC NO	XS8D1A1MAL2	14668

**Speed Rotation Monitoring Proximity Switches**

[Us] Rated Supply voltage	Switching capacity	Wiring technique	[Sn] Sensing distance	Operating zone	Adjustable Freq. Impulse/min	Reference	Unit MRP [₹]
24...210 V DC 24...240 V AC 50/60 Hz	5...200 mA DC 5...350 mA AC	2-wire AC/DC	10 mm	0...8 mm	6...150	XSAV11801 <input checked="" type="checkbox"/>	13669
					120...3000	XSAV12801 <input checked="" type="checkbox"/>	22560
12...48 V DC	≤ 200 mA overload and short-circuit protection	3-wire DC PNP	10 mm	0...8 mm	6...150	XSAV11373 <input checked="" type="checkbox"/>	19010
					120...3000	XSAV12373 <input checked="" type="checkbox"/>	15208

**Accessories**

Description	Sensor Design	Reference	Unit MRP [₹]
Fixing for cylindrical sensor	m18	XSZB118	758

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**XS Flat Type [Inductive Sensors]**

Rated Supply voltage-12...24V DC



Description	Output Function	Switching capacity in mA	[Sn] Sensing distance	Reference	Unit MRP [₹]
Flat form 40x40x15	PNP [NO], 3-wire	<=100 mA	Flush-15mm	XS7C1A1PAL2	4034
Flat form 80x80x26	PNP [NO], 3-wire	<=100 mA	Flush-40mm	XS7D1A1PAL2	5609
Flat form 40x40x15	PNP [NO], 3-wire	<=200mA	Non-Flush-25mm	XS8C1A1PAL2	15214
Flat form 80x80x26	PNP [NO], 3-wire	<=200mA	Non-Flush-60mm	XS8D1A1PAL2	9558



XS Cubic C2 Form



XS Turret Form

Sensing range	Output	Connection	Reference	Unit MRP [₹]
<b>XS Cubic C2 Form</b>				
15mm	1 NO	Terminal	XS7C2A1PAM12	3318
20mm	1 NO + 1 NC	Terminal	XS8C2A1PCM12	4206
40mm	1 NO + 1 NC	Terminal	XS8C2A4PCM12 <input checked="" type="checkbox"/>	4834
<b>XS Turret Form</b>				
15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1DPG13	5940
15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1MPG13 <input checked="" type="checkbox"/>	6717
20mm	1NO+ 1NC	Terminals	XS8C4A1PCG13 <input checked="" type="checkbox"/>	5907
20mm	1NO+ 1NC	Terminals	XS8C4A1PCP20	7295
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1DPG13	13912
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPG13	9441
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPP20	7552
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPG13	9441

**XT Capacitive sensor**

Sensing range	Output	Connection	Reference	Unit MRP [₹]
8mm	1 NO	2M Cable	XT218A1PAL2	4053
8mm	1NC + NO	M12 Connector	XT218A1PCM12 <input checked="" type="checkbox"/>	4023
15mm	1NO	2M Cable	XT230A1PAL2 <input checked="" type="checkbox"/>	4428
15mm	1NO + 1 NC	M12 connector	XT230A1PCM12	4153

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**OsiSense Ultrasonic XX**



3 wire connection  
Supply voltage 10-28 V DC  
Plastic case

[Sn] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Reference	Unit MRP [₹]
50 cm	M18	PNP NO	XX518A3PAM12	12583
1 m	M30	PNP NO	XX6V3A1PAM12 <input checked="" type="checkbox"/>	15222

**Sensors with analogue output for DC application**

4 wire connection  
Supply voltage 10..28 V DC  
M12 Connector  
Plastic Case

8 m	M30	4..20 mA	XX930A3A2M12	36029
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**OsiSense XX**



Ultrasonic Sensor for monitoring 2 levels

Sensing Distance	Output	Connection	Reference	Unit MRP [₹]
0.5m	PNP [NO]	M12	XX218A3PHM12	14366





Connector Type	Connection	Shape	Length	Reference	Unit MRP [₹]
Osi Sense XZ PUR cable Industrial high end use Nominal Current 4A Matt Black Colour Operation temperature -35 .. +90OC IP 67					
PUR Pre-wired connector	M8, 3 pins	Straight	2m	XZCP0566L2	844
PUR Pre-wired connector	M8, 3 pins	Straight	5m	XZCP0566L5	1089
PUR Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCP0666L5	1215
PUR Pre-wired connector	M8, 4 pins	Straight	2m	XZCP0941L2	972
PUR Pre-wired connector	M8, 4 pins	Straight	5m	XZCP0941L5	1215
PUR Pre-wired connector	M8, 4 pins	Elbowed	2m	XZCP1041L2	972
PUR Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCP1041L5	1215
PUR Pre-wired connector	M12, 4 pins	Straight	2m	XZCP1141L2 <input checked="" type="checkbox"/>	811
PUR Pre-wired connector	M12, 4 pins	Straight	5m	XZCP1141L5 <input checked="" type="checkbox"/>	1269
PUR Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCP1241L2 <input checked="" type="checkbox"/>	859
PUR Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCP1241L5 <input checked="" type="checkbox"/>	1511
Osi Sense XZ PVC Cable ● General use ● Nominal Current 3A ● Grey Colour ● Operating temperature -25..+80°C ● IP 65					
PVC Pre-wired connector	M8, 3 pins	Straight	2m	XZCPV0566L2	758
PVC Pre-wired connector	M8, 3 pins	Straight	5m	XZCPV0566L5	773
PVC Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCPV0666L5	1163
PVC Pre-wired connector	M8, 4 pins	Straight	2m	XZCPV0941L2 <input checked="" type="checkbox"/>	729
PVC Pre-wired connector	M8, 4 pins	Straight	5m	XZCPV0941L5	1311
PVC Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCPV1041L5	916
PVC Pre-wired connector	M12, 4 pins	Straight	2m	XZCPV1141L2 <input checked="" type="checkbox"/>	569
PVC Pre-wired connector	M12, 4 pins	Straight	5m	XZCPV1141L5 <input checked="" type="checkbox"/>	740
PVC Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCPV1241L2 <input checked="" type="checkbox"/>	649
PVC Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCPV1241L5 <input checked="" type="checkbox"/>	725
Osi Sense XZ Connector ● Protection IP67 ● Connection Type Screw Threaded					
Male connector	M12, 4 Pin	Straight		XZCC12MDM40B	457
Male connector	M12, 4 Pin	Elbowed		XZCC12MCM40B	501
Male connector	M12, 5 Pin	Straight		XZCC12MDM50B	1012
Male connector	M12, 5 Pin	Elbowed		XZCC12MCM50B	1012
Female connector	M12, 4 Pin	Straight		XZCC12FDM40B	449
Female connector	M12, 4 Pin	Elbowed		XZCC12FCM40B <input checked="" type="checkbox"/>	457

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Industrial PC and Displays



- Our comprehensive Magelis iPC range offers industrial PCs for improved productivity and an enhanced user experience. Choose the right industrial PC for your environment, from our wide range and be confident that they are designed to last

Product description	Reference	Unit MRP [€]
Box PC Perf. HDD DC Win 8.1 2 slots	HMIBMPHI74D2801	On Request
Box PC Perf. HDD DC Win 8.1 4 slots	HMIBMPHI74D4801	On Request
Box PC Perf. SSD DC Win 7 4 slots	HMIBMPSI74D470L	On Request
Box PC Perf. SSD DC Win 8.1 4 slots	HMIBMPSI74D4801	On Request
Box PC Univ. DC Base unit 4Gb 2 slots	HMIBMU0I29D2001	On Request
Box PC Universal CFast DC WES 2 slots	HMIBMUJCI29D2W01	On Request
Box PC Universal HDD DC Win 8.1 2 slots	HMIBMUHI29D2801	On Request
Box PC Universal HDD DC Win 8.1 4 slots	HMIBMUHI29D4801	On Request
Box PC Universal SSD DC Win 8.1 2 slots	HMIBMUSI29D2801	On Request
S-BOX PC Optimized CFast DC 1 slot	HMIBSOCND1E01	On Request
S-BOX PC Universal No OS DC 1 slot	HMIBSUOND1001	On Request
S-BOX PC Universal CFast DC 1 slot	HMIBSUCND1W01	On Request
S-BOX PC Universal SSD DC 1 slot	HMIBSUSND1W01	On Request
Box PC Universal Hard Disk DC 2 slots	HMIBUHND2P01	On Request
iDisplay monitor 12" Touch DC DVI	HMIDID64DTD1	On Request
iDisplay monitor 15" Touch DC DVI	HMIDID73DTD1	On Request
Display PC 4:3 12" single t. for HMIBM	HMIDM6421	On Request
Display PC Wide 12" multi-t. for HMIBM	HMIDM6521	On Request
Display PC 4:3 15" single t. for HMIBM	HMIDM7421	On Request
Display PC Wide 15" multi-t. for HMIBM	HMIDM7521	On Request
Display PC Wide 19" multi-t. for HMIBM	HMIDM9521	On Request
Display PC Wide 22" multi-t. for HMIBM	HMIDMA521	On Request
Enclosed PC Perf. W19 DC - Base unit	HMIPPEP0952D1001	On Request
Enclosed PC Perf. SSD W19 DC Win 8.1	HMIPPEPS952D1801	On Request
Panel PC 12" Performance - Base unit	HMIPPO6D0001	On Request
Panel PC Perform. SSD 12" AC 2 slots	HMIPPF6A2701	On Request
Panel PC Perform. F.Disk 15" AC 2 slots	HMIPPF7A2701	On Request
Panel PC Perform. HDD 12" AC 2 slots	HMIPPH6A2701	On Request
Panel PC Perform. H.Disk 15" AC 0 slot	HMIPPH7A0701	On Request
Panel PC Perf 15" stainless HDD AC 2 slt	HMIPRH7A2701	On Request
S-Panel PC Optimized W10 DC - Base unit	HMIPSO0552D1001	On Request
S-Panel PC Optimized W15 DC - Base unit	HMIPSO0752D1001	On Request
S-Panel PC Optimized CFast W15 DC WES	HMIPSOC752D1W01	On Request
S-Panel PC Optimized HDD W10 DC Win 8.1	HMIPSOH552D1801	On Request
S-Panel PC Optimized HDD W15 DC Win 8.1	HMIPSOH752D1801	On Request
S-Panel PC Optimized SSD W10 DC Win 8.1	HMIPSO5552D1801	On Request
S-Panel PC Optimized SSD W15 DC Win 8.1	HMIPSO5752D1801	On Request
S-Panel PC Performance W15 DC -Base unit	HMIPSP0752D1001	On Request
S-Panel PC Performance W19 DC -Base unit	HMIPSP0952D1001	On Request
S-Panel PC Perf. CFast W15 DC WES	HMIPSPC752D1W01	On Request
S-Panel PC Perf. CFast W19 DC WES	HMIPSPC952D1W01	On Request
S-Panel PC Performance HDD W15 DC Win8.1	HMIPSPH752D1801	On Request
S-Panel PC Performance HDD W19 DC Win8.1	HMIPSPH952D1801	On Request
S-Panel PC Performance SSD W15 DC Win8.1	HMIPSPS752D1801	On Request
S-Panel PC Performance SSD W19 DC Win8.1	HMIPSPS952D1801	On Request
Panel PC Univ 15" stainless HDD DC 2 slt	HMIPTH7D2P01	On Request
Panel PC 12" Universal - Base unit	HMIPU06D0001	On Request
Panel PC Universal CFast 12" AC 0 slot	HMIPUC6A0E01	On Request
Panel PC Universal CFast 12" DC 0 slot	HMIPUC6D0E01	On Request
Panel PC Universal SSD 12" AC 0 slot	HMIPUF6A0701	On Request
Panel PC Universal SSD 12" DC 0 slot	HMIPUF6D0701	On Request
Panel PC Universal HDD 12" AC 0 slot	HMIPUH6A0701	On Request
Panel PC Universal HDD 12" DC 0 slot	HMIPUH6D0701	On Request
Panel PC Univ. H.Disk 15" DC 2 slots	HMIPUH7D2P01	On Request
Panel PC Universal H.Disk 19" AC 0 slot	HMIPUH9A0P01	On Request
Panel PC Universal H.Disk 19" AC 2 slots	HMIPUH9A2P01	On Request
Panel PC Univ. H.Disk 19" DC 2 slots	HMIPUH9D2P01	On Request
Panel PC Optimum Compact Flash 15" DC	HMIPWC7D0E01	On Request

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

**RACK IPC**

Product description	Reference	Unit MRP [₹]
Rack PC 2U Optimized HDD AC 3 slots	HMIRSOHPA3W01	On Request
Rack PC 4U Performance SSD AC 6 slots	HMIRSPFXA6701	On Request
Rack PC 4U Perf. SSD AC redund. 6 slots	HMIRSPFXR6702	On Request
Rack PC 4U Performance HDD AC 6 slots	HMIRSPHXA6701	On Request
Rack PC 4U Perf. HDD AC 6 slots PES	HMIRSPHXA67P1	On Request
Rack PC 4U Perf. HDD AC 6 slots server	HMIRSPSXR6S01	On Request
Rack PC 4U Perf. HDD AC 6 slots server	HMIRSPSXR6T01	On Request
Rack PC 2U Universal HDD AC 3 slots	HMIRSUH3A3701	On Request
Rack PC 2U Universal SSD AC 3 slots	HMIRSUS3A3701	On Request
Vijeo XD RT, printed	HMIRTWCZLSPMZZ	On Request
Rack PC 2U Optim. HDD AC 3 slots No OS	HMIRXOHA3001	On Request
Rack PC 2U Optimized HDD AC 3 slots	HMIRXOHA3W01	On Request

**Magelis GTU**



- High performance modular HMI
- Modular HMI with smartphone-like interface and Wireless technology: Unmatched comfort of use without compromise on performance and openness

Product description	Reference	Unit MRP [₹]
7W Touch Advanced Display WVGA	HMIDT351	On Request
10.4 Touch Smart Display SVGA	HMIDT542	On Request
10W Touch Advanced Display WXGA	HMIDT551	On Request
12.1 Touch Smart Display XGA	HMIDT642	On Request
12W Touch Advanced Display WXGA	HMIDT651	On Request
15 Touch Smart Display XGA	HMIDT732	On Request
HMIDT732 Coated	HMIDT732FC	On Request
15W Touch Smart Display FWXGA	HMIDT752	On Request
19W Touch Smart Display FWXGA	HMIDT952	On Request
Premium BOX for Universal Panel	HMIG3U	On Request
HMIG3U Coated	HMIG3UFC	On Request
Open BOX for Universal Panel	HMIG5U	On Request
Open BOX for Universal Panel	HMIG5U2	On Request
Magelis GTU Open BOX for Vijeo XL	HMIG5UL8A	On Request

**Magelis SCU**



- Cut out free HMI controller  
Magelis SCU controller delivers adequate functionality for control of small machines and simple processes, while saving up to 30% in installation and ownership costs

Product description	Reference	Unit MRP [₹]
3.5 Small Controller Panel For Machine	HMISCU6A5	On Request
3.5 Small Controller Panel For Process	HMISCU6B5	On Request
5.7 Small Controller Panel For Machine	HMISCU8A5	On Request
5.7 Small Controller Panel For Porcess	HMISCU8B5	On Request

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

NORMAL STOCK ITEMS

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HMI Panels with Optimised Features



Product description	Reference	Unit MRP [₹]
5.7 Keypad Panel QVGA-TFT	HMIGK2310	On Request
10.4 Keypad Panel VGA-TFT	HMIGK5310	On Request
3.5 Color Touch Panel QVGA-TFT	HMIGTO1300	On Request
3.5 Color Touch Panel QVGA-TFT	HMIGTO1310	On Request
5.7 Color Touch Panel QVGA-TFT	HMIGTO2300	On Request
5.7 Color Touch Panel QVGA-TFT	HMIGTO2310	On Request
5.7 Color Touch Panel QVGA Stainless	HMIGTO2315	On Request
7.0 Color Touch Panel WVGA-TFT	HMIGTO3510	On Request
7.5 Color Touch Panel VGA-TFT	HMIGTO4310	On Request
10.4 Color Touch Panel VGA-TFT	HMIGTO5310	On Request
HMIGTO5310 coated and logo removed	HMIGTO5310FCW	On Request
HMIGTO5310 logo removed	HMIGTO5310FW	On Request
10.4 Color Touch Panel VGA Stainless	HMIGTO5315	On Request
12.1 Color Touch Panel SVGA-TFT	HMIGTO6310	On Request
HMIGTO6310 Coated	HMIGTO6310FC	On Request
12.1 Color Touch Panel SVGA Stainless	HMIGTO6315	On Request
STU rear module	HMIS5T	On Request
STU 3in5 front module	HMIS65	On Request
STU3in5 front module w/o mark on overlay	HMIS65W	On Request
STU 5in7 front module	HMIS85	On Request
STU5in7 front module w/o mark on overlay	HMIS85W	On Request
REAR MODULE SMALL CONTROLLER MACHINE	HMISAC	On Request
REAR MODULE SMALL CONTROLLER PROCESS	HMISBC	On Request
TOUCH PANEL SCREEN 3"4 MONOCHROME G/O/R	HMISTO511	On Request
TOUCH PANEL SCREEN 3"4 MONOCHROME W/P/R	HMISTO512	On Request
Touch Panel Screen 3"4 Mono ETH G/O/R	HMISTO531	On Request
Touch Panel Screen 3"4 Mono ETH W/P/R	HMISTO532	On Request
4.3" touch panel screen RS232C	HMISTO705	On Request
4.3" touch panel screen RS232C/485	HMISTO715	On Request
4.3" touch panel screen Ethernet	HMISTO735	On Request
Customized STO735	HMISTO735AG	On Request
Touch Panel Screen 3"5 Color	HMISTU655	On Request
STU 3in5 without marking on overlay	HMISTU655W	On Request
Touch Panel Screen 5"7 Color	HMISTU855	On Request
STU 5in7 without marking on overlay	HMISTU855W	On Request

Magelis Easy GXU



- Reliable and cost-effective touch-screen terminals Tailored to meet the challenges faced by new economies: <001F> t for purpose at affordable prices with no compromise on ease of use, robustness, and availability.

Product description	Reference	Unit MRP [₹]
GXU Touch Panel, 7"W TFT, SL only	HMIGXU3500	On Request
GXU Touch Panel, 7"W TFT, SL + ETH	HMIGXU3512	On Request
GXU Touch Panel, 10"W TFT, SL only	HMIGXU5500	On Request
GXU Touch Panel, 10"W TFT, SL + ETH	HMIGXU5512	On Request

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

Magelis Easy GXU



- EcoStruxure™ Operator Terminal Expert  
Touchscreen configuration software with the latest UI design and gestures  
EcoStruxure Operator Terminal Expert™ (formerly known as Vijeo XD)  
configuration software enables you to create and edit application Magelis HMIs and iPCs screens  
EcoStruxure™ Machine SCADA Expert  
Lite SCADA for line management  
Vijeo Designer  
Configuration software for the complete HMI range  
HMI configuration software  
EcoStruxure Machine SCADA Expert (formerly known as Vijeo XL) is a powerful software for developing HMI, SCADA, OEE and Dashboard projects dedicated to Line Management & Lite Supervision applications to run in Magelis Industrial PC and GTU Open Box. The bundle offer «Magelis Industrial PC and GTU Open Box» saves you time and resources on validation of hardware, software and OS.

Vijeo XD

Product description	Reference	Unit MRP [€]
Vijeo XD Pro License	HMIPELCZLSPMZZ	On Request
Vijeo XD Pro License Vendor	HMIPELVZLSPMZZ	On Request
Vijeo XD Pro License Vendor	HMIPELVZLSPMZZ	On Request

EcoStruxure™ Machine SCADA Expert

Product description	Reference	Unit MRP [€]
Vijeo XL 1.5K 3rd-PC RT License	HMIVXL3PRT1KLV80	On Request
Vijeo XL 32K 3rd-PC RT License	HMIVXL3PRT32KLV80	On Request
Vijeo XL 4K 3rd-PC RT License	HMIVXL3PRT4KLV80	On Request
Vijeo XL 64K 3rd-PC RT License	HMIVXL3PRT64KLV80	On Request
Upgrade License 3rd-PC RT 4K to 32K	HMIVXL3PUG32KRT	On Request
Upgrade License 3rd-PC RT 1.5K to 4K	HMIVXL3PUG4KRT	On Request
Upgrade License 3rd-PC RT 32K to 64K	HMIVXL3PUG64KRT	On Request
Vijeo XL BT DVD 1.5K	HMIVXLBT1KDV80	On Request
Vijeo XL BT License 1.5K	HMIVXLBT1KLV80	On Request
Vijeo XL 32K BT DVD	HMIVXLBT32KDV80	On Request
Vijeo XL 32K BT License	HMIVXLBT32KLV80	On Request
Vijeo XL BT DVD 4K	HMIVXLBT4KDV80	On Request
Vijeo XL BT License 4K	HMIVXLBT4KLV80	On Request
Vijeo XL BT DVD 64K	HMIVXLBT64KDV80	On Request
Vijeo XL BT License 64K	HMIVXLBT64KLV80	On Request
FactoryTalk Import Wizard	HMIVXLFTTK	On Request
Vijeo XL MA License 4	HMIVXLMA4LV80	On Request
Vijeo XL MA License 8	HMIVXLMA8LV80	On Request
PanelBuilder Import Wizard	HMIVXLPBTK	On Request
PanelMate Import Wizard	HMIVXLPMTK	On Request
Vijeo XL RT License 1.5K	HMIVXLRT1KLV80	On Request
Vijeo XL 32K RT License	HMIVXLRT32KLV80	On Request
Vijeo XL RT License 4K	HMIVXLRT4KLV80	On Request
Vijeo XL RT License 64K	HMIVXLRT64KLV80	On Request
Secure Viewer 4 License	HMIVXLSV4LV80	On Request
Upgrade License BT 4K to 32K	HMIVXLUG32KBT	On Request
Upgrade License RT 4K to 32K	HMIVXLUG32KRT	On Request
Upgrade License BT 1.5K to 4K	HMIVXLUG4KBT	On Request
Upgrade License RT 1.5K to 4K	HMIVXLUG4KRT	On Request
Upgrade License BT 32K to 64K	HMIVXLUG64KBT	On Request
Upgrade License RT 32K to 64K	HMIVXLUG64KRT	On Request
Upgrade License MA 4 to 8	HMIVXLUG8MA	On Request
Vijeo XL USB Hard key	HMIVXLUSBL	On Request

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

NORMAL STOCK ITEMS

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Vijeo Designer

Product description	Reference	Unit MRP ₹
Vijeo Designer internal and partner pack	VJDCLINTSV62M	On Request
VJD V4.6 Facility No Cable	VJDFNDTGSV46M	On Request
Vijeo Designer, Licence Facility, No Cable	VJDFNDTGSV47M	On Request
Vijeo Designer, Facility license	VJDFNDTGSV62M	On Request
Vijeo Designer, Group license	VJGNDTGSV62M	On Request
Vijeo Designer, Single License	VJSDNTGSV62M	On Request
Vijeo Designer Magelis iPC RT	VJDSNRTMPC	On Request
Vijeo Designer Standard PC RT	VJDSNRTSPC	On Request
Vijeo Designer V5.1 I D S	VJDSNTRCKV51M	On Request
Vijeo Designer RT IDS license extension	VJDSNTRCKV62M	On Request
Pack Vijeo Designer RT IDS Report Print	VJDSNTRPKV62M	On Request
Vijeo Designer IDS Report Printing	VJDSNTRPRV62M	On Request
KIT XBTRT500 VJD LITE CBL	VJDSTKXBTRT	On Request
Vijeo Designer,Single License,USB cable	VJDSUDTGAV62M	On Request
Vijeo Designer, Team license	VJDTNDTGSV62M	On Request
Vijeo Designer Update License	VJDUPDTGAV62M	On Request
Vijeo Designer RT IDS Update license	VJDUPTRCKV62M	On Request
VJD IDS Report Printing Update license	VJDUPTPRV62M	On Request

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

NORMAL STOCK ITEMS

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# Acti 9 | Advanced Communication Technology that Inspires

## > Protection devices

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

## > Protection monitoring and supervision

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



Innovative  
Protection monitoring Total control and  
Metering @ DB level



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

## > Control and monitoring

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

## > Installation system

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



### Reliable

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

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

## > Innovative

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

## > Efficient

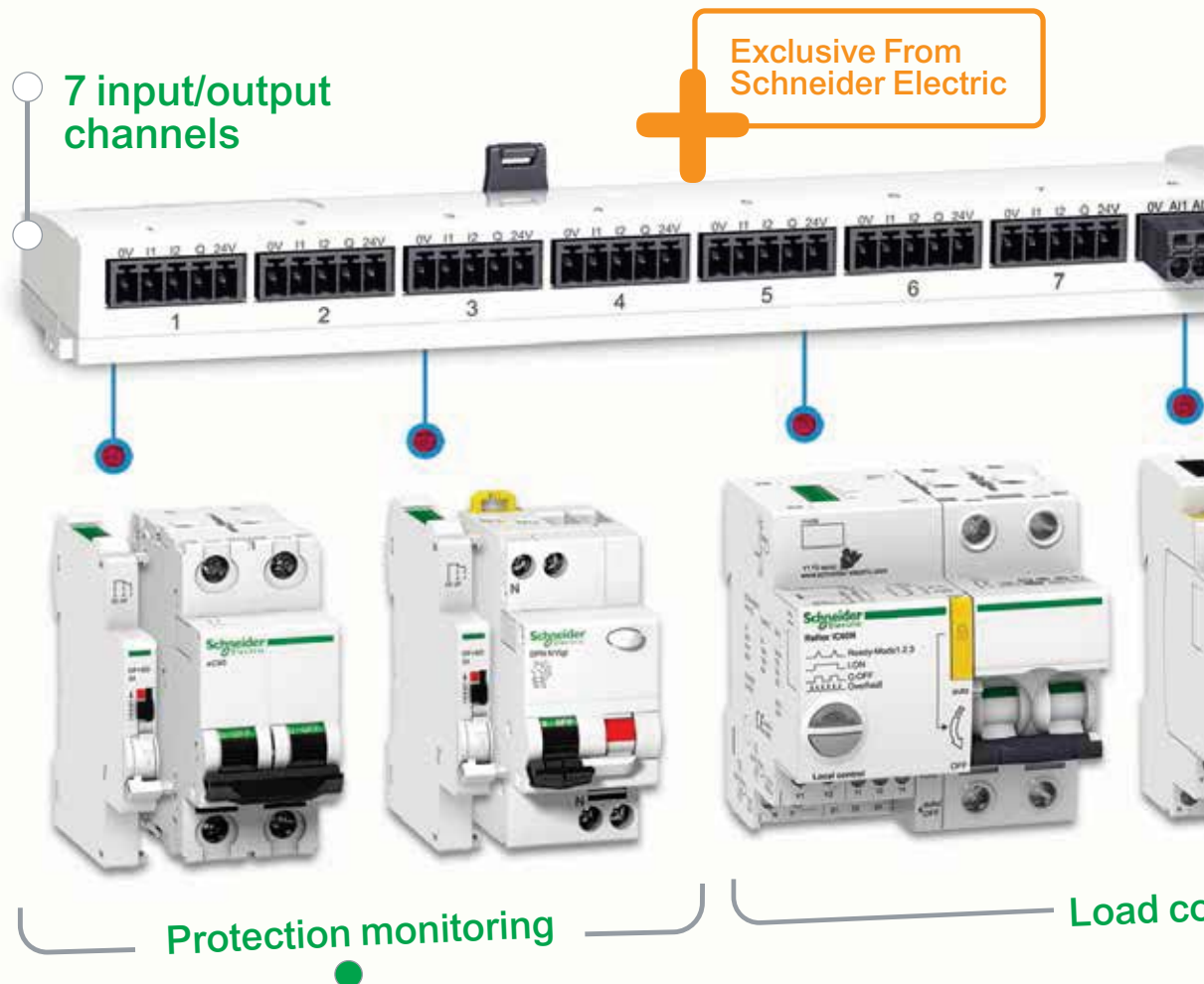
- One-click, prefabricated wiring for comprehensive communication between your distribution board or panel and any facility management system

## > Reliable

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

**NEW**

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



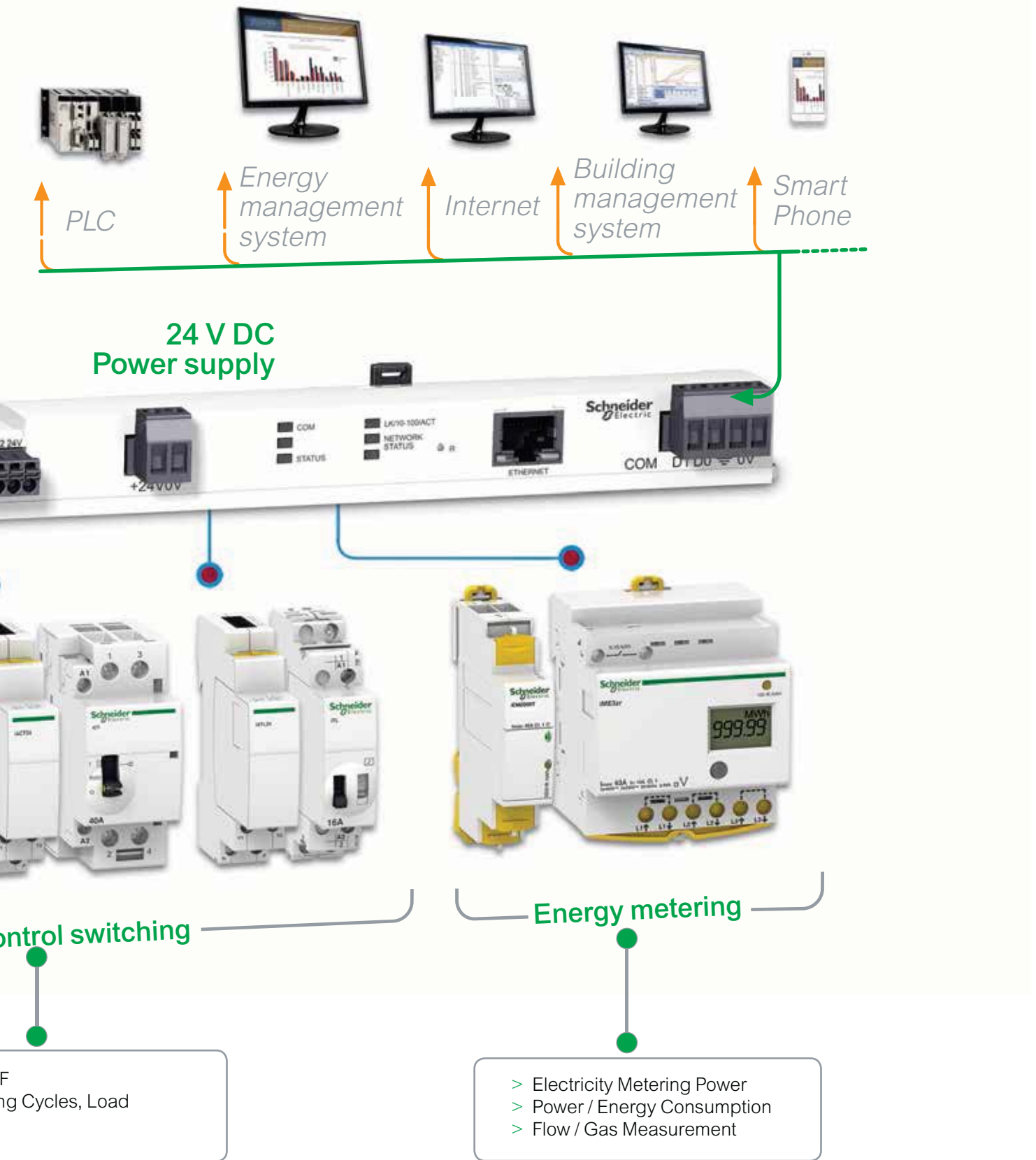
- > Status Monitoring - ON / OFF / TRIP
- > Trip Alarm Indication
- > Load Monitoring - No. of tripping cycles, Running Hours

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



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

# Ready to connect to any facility management solution



## Green Premium Products

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

### AC Miniature Circuit Breakers - xC60



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

[In] Rated Current (A)	1 Pole Reference	Unit 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 ✓	369	A9N2P06B ✓	1097	A9N3P06B ✓	1787	A9N4P06B	2408
10	A9N1P10B ✓	369	A9N2P10B ✓	1097	A9N3P10B ✓	1787	A9N4P10B ✓	2541
16	A9N1P16B ✓	369	A9N2P16B ✓	1097	A9N3P16B ✓	1787	A9N4P16B ✓	2408
20	A9N1P20B ✓	369	A9N2P20B ✓	1097	A9N3P20B ✓	1787	A9N4P20B ✓	2408
25	A9N1P25B ✓	369	A9N2P25B ✓	1097	A9N3P25B ✓	1787	A9N4P25B ✓	2408
32	A9N1P32B ✓	369	A9N2P32B ✓	1097	A9N3P32B ✓	1787	A9N4P32B ✓	2408
40	A9N1P40B ✓	803	A9N2P40B ✓	1766	A9N3P40B ✓	2723	A9N4P40B ✓	3467
50	A9N1P50B	803	A9N2P50B	1766	A9N3P50B	2723	A9N4P50B	3467
63	A9N1P63B ✓	813	A9N2P63B ✓	1782	A9N3P63B ✓	2745	A9N4P63B ✓	3499

#### C curve

1	A9N1P01C ✓	567	A9N2P01C ✓	1519	A9N3P01C ✓	2354	A9N4P01C ✓	2964
2	A9N1P02C ✓	567	A9N2P02C ✓	1519	A9N3P02C ✓	2354	A9N4P02C ✓	2964
3	A9N1P03C ✓	567	A9N2P03C ✓	1519	A9N3P03C ✓	2354	A9N4P03C ✓	2964
4	A9N1P04C ✓	567	A9N2P04C ✓	1519	A9N3P04C ✓	2354	A9N4P04C ✓	2964
6	A9N1P06C ✓	350	A9N2P06C ✓	1097	A9N3P06C ✓	1787	A9N4P06C ✓	2408
10	A9N1P10C ✓	350	A9N2P10C ✓	1097	A9N3P10C ✓	1787	A9N4P10C ✓	2408
16	A9N1P16C ✓	350	A9N2P16C ✓	1097	A9N3P16C ✓	1787	A9N4P16C ✓	2408
20	A9N1P20C ✓	350	A9N2P20C ✓	1097	A9N3P20C ✓	1787	A9N4P20C ✓	2408
25	A9N1P25C ✓	350	A9N2P25C ✓	1097	A9N3P25C ✓	1787	A9N4P25C ✓	2408
32	A9N1P32C ✓	350	A9N2P32C ✓	1097	A9N3P32C ✓	1787	A9N4P32C ✓	2408
40	A9N1P40C ✓	803	A9N2P40C ✓	1766	A9N3P40C ✓	2723	A9N4P40C ✓	3317
50	A9N1P50C	803	A9N2P50C	1766	A9N3P50C	2723	A9N4P50C	3499
63	A9N1P63C ✓	813	A9N2P63C ✓	1782	A9N3P63C ✓	2745	A9N4P63C ✓	3558

#### D curve

1	A9N1P01D ✓	572	A9N2P01D	1535	A9N3P01D ✓	2391	----	----
2	A9N1P02D ✓	572	A9N2P02D ✓	1535	A9N3P02D ✓	2391	A9N4P02D	3064
3	A9N1P03D ✓	572	A9N2P03D ✓	1535	A9N3P03D ✓	2391	A9N4P03D	3146
4	A9N1P04D ✓	572	A9N2P04D ✓	1535	A9N3P04D ✓	2391	A9N4P04D	3146
6	A9N1P06D ✓	482	A9N2P06D ✓	1150	A9N3P06D ✓	1883	A9N4P06D ✓	2498
10	A9N1P10D ✓	482	A9N2P10D ✓	1150	A9N3P10D ✓	1883	A9N4P10D ✓	2498
16	A9N1P16D ✓	482	A9N2P16D ✓	1150	A9N3P16D ✓	1883	A9N4P16D ✓	2498
20	A9N1P20D ✓	482	A9N2P20D ✓	1150	A9N3P20D ✓	1883	A9N4P20D ✓	2498
25	A9N1P25D ✓	482	A9N2P25D ✓	1150	A9N3P25D ✓	1883	A9N4P25D ✓	2498
32	A9N1P32D ✓	482	A9N2P32D ✓	1150	A9N3P32D ✓	1883	A9N4P32D ✓	2498
40	A9N1P40D ✓	867	A9N2P40D ✓	1867	A9N3P40D ✓	2884	A9N4P40D ✓	3617
50	A9N1P50D	908	A9N2P50D	1867	A9N3P50D	2884	A9N4P50D	3617
63	A9N1P63D	877	A9N2P63D ✓	1889	A9N3P63D ✓	2910	A9N4P63D ✓	3654

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

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

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### AC Miniature Circuit Breakers - C120



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

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1.5 mod		3 mod		4.5 mod		6 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	
<b>C120N (10kA)</b>								
80	A9N18357 ✓	2976	A9N18361 ✓	6595	A9N18365 ✓	10362	A9N18372 ✓	13503
100	A9N18358 ✓	3339	A9N18362 ✓	7035	A9N18367 ✓	11044	A9N18374 ✓	14069
125	A9N18359 ✓	3674	A9N18363 ✓	7733	A9N18369 ✓	12249	A9N18376 ✓	15923
<b>C120H (15kA)</b>								
80	A9N18446	3669	A9N18457	8096	A9N18468	12177	A9N18479	16896
100	A9N18447	4048	A9N18458	8300	A9N18469	13266	A9N18480	18733
125	A9N18448	4422	A9N18459	9416	A9N18470	14317	A9N18481	19789

### DC Miniature Circuit Breakers - C60H



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

[In] Rated Current (A)	Module Width 18mm/ module	1 Pole Reference	Unit MRP [₹]	Module Width 18mm/ module	2 Pole Reference	Unit MRP [₹]
MOQ		12 Nos.			6 Nos.	
<b>C60H-DC</b>						
0.5	1	A9N61500	1144	2	A9N61520	2992
1	1	A9N61501 ✓	1012	2	A9N61521 ✓	2090
2	1	A9N61502 ✓	1012	2	A9N61522 ✓	2090
3	1	A9N61503 ✓	1012	2	A9N61523 ✓	2090
4	1	A9N61504 ✓	1012	2	A9N61524 ✓	2090
5	1	A9N61505	1012	2	A9N61525	2090
6	1	A9N61506 ✓	831	2	A9N61526 ✓	1700
10	1	A9N61508 ✓	831	2	A9N61528 ✓	1700
16	1	A9N61511 ✓	831	2	A9N61531 ✓	1700
20	1	A9N61512 ✓	831	2	A9N61532 ✓	1700
25	1	A9N61513 ✓	831	2	A9N61533 ✓	1700
32	1	A9N61515 ✓	957	2	A9N61535 ✓	1700
40	1	A9N61517 ✓	1139	2	A9N61537 ✓	2508
50	1	A9N61518 ✓	1139	2	A9N61538 ✓	2508
63	1	A9N61519 ✓	1139	2	A9N61539 ✓	2508

### Special application MCBs



#### Solar Application – PV DC

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



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

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



#### UL MCB

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

#### Note:

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

\*Rail Application RCDs are also available on demand

\*\*18mm/module

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

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### AC Miniature Circuit Breakers - NG125



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

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

#### NG125N – 25kA Breaking Capacity

10	18610	4373	18621	9620	18632	14592	18649	18535
16	18611	4373	18622	7420	18633	14592	18650	18535
20	18612	4378	18623	9620	18634	14592	18651	18530
25	18613	4373	18624	9620	18635	14597	18652	18535
32	18614	4373	18625	8993	18636	14597	18653	18530
40	18615	5638	18626	11919	18637	18266	18654	24030
50	18616	7035	18627	12386	18638	19085	18655	24266
63	18617	5638	18628	12969	18639	20526	18656	25372
80	18618	5946	18629	13937	18640	21577	18658	26708

#### NG125H – 36kA Breaking Capacity

10	18705	5148	18714	8558	18723	12199	18732	23221
16	18706	5148	18715	8558	18724	12199	18733	23221
20	18707	5143	18716	8558	18725	17430	18734	23221
25	18708	5143	18717	11292	18726	17424	18735	23227
32	18709	5143	18718	11292	18727	17430	18736	23221
40	18710	6298	18719	13052	18728	17749	18737	28221
50	18711	6419	18720	14113	18729	21797	18738	28985
63	18712	6595	18721	15153	18730	18183	18739	31818
80	18713	7255	18722	19785	18731	23524	18740	33556

#### NG125H – 50kA Breaking Capacity

10	18777	6413	18788	14014	18799	22077	18810	29414
16	18778	6413	18789	14014	18800	22077	18811	29414
20	18779	6413	18790	15109	18801	22077	18812	29414
25	18780	6413	18791	15103	18802	22072	18813	29414
32	18781	6413	18792	15103	18803	22072	18814	29414
40	18782	7783	18793	17974	18804	27588	18815	34920
50	18783	10930	18794	18882	18805	29541	18816	35943
63	18784	8173	18795	20202	18806	31015	18817	38467
80	18785	12040	18796	22198	18807	34386	18818	39738

\*\*18mm/module

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

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



**30  
mA**

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



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

**SI  
Type**

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

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

\* for Measures relating to Safety and Electric supply

### AC Residual Current Circuit Breakers - xID



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

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16201	3796	4	A9N16251	5329
	100	2	A9N16203	4137	4	A9N16253	5560
	300	2	A9N16202	4263	4	A9N16252	5723
40	30	2	A9N16204	4468	4	A9N16254	5245
	100	2	A9N16205	4730	4	A9N16255	5591
	300	2	A9N16206	4961	4	A9N16256	5807
63	30	2	A9N16208	5381	4	A9N16258	6074
	100	2	A9N16209	5681	4	A9N16259	6605
	300	2	A9N16210	5796	4	A9N16260	6636
80	30	2	A9N16212	9046	4	A9N16261	10715
	100	2	A9N16213	9030	4	A9N16262	10689
	300	2	A9N16214	9198	4	A9N16263	10747

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



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

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
4P	100	30	4	**A9R11491	13942
		100	4	**A9R12491	14686
	125	30	4	16905	42677
		100	4	16906	41553
		300	4	16907	41746

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

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



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

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
1P+N	6	30	2	A9N19661	5810
		300	2	A9N19681	5901
	10	30	2	A9N19663	5810
		300	2	A9N19683	5901
	16	30	2	A9N19665	5810
		300	2	A9N19685	5901
	20	30	2	A9N19666	5810
		300	2	A9N19686	5901
	25	30	2	A9N19667	5810
		300	2	A9N19687	5901
	32	30	2	A9N19668	5810
		300	2	A9N19688	6195
	40	30	2	A9N19669	7351
		300	2	A9N19689	7479

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

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

✓ NORMAL STOCK ITEMS

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



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

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16234	8512	4	A9N16321	9486
40	30	2	A9N16237	8940	4	A9N16324	9785
63	30	2	A9N16240	9197	4	A9N16327	10047
	300	2	A9N16246	9266	4	A9N16334	10454

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



Suitable for  
ComReady Auxiliary

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

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	1.5	A9N26581	6019	3	A9N26595	7228
	100	1.5	A9N26582	7656	3	A9N26596	7795
	300	1.5	A9N26583	8095	3	A9N26597	8389
63	30	2	A9N26611	8416	3.5	A9N26643	8448
	100	2	A9N26612	8913	3.5	A9N26644	8774
	300	2	A9N26613	9336	3.5	A9N26645	9181

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

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



Suitable for  
ComReady Auxiliary



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

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
1P+N	6	30	2	A9N19631	11567
	10	30	2	A9N19632	11567
	16	30	2	A9N19634	11567
		300	2	A9N19644	11567
	20	30	2	A9N19635	11567
		300	2	A9N19645	11567
	25	30	2	A9N19636	11567
		300	2	A9N19646	11567
	32	30	2	A9N19637	11567
		300	2	A9N19647	13766
	40	30	2	A9N19638	13696
		300	2	A9N19648	15242

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

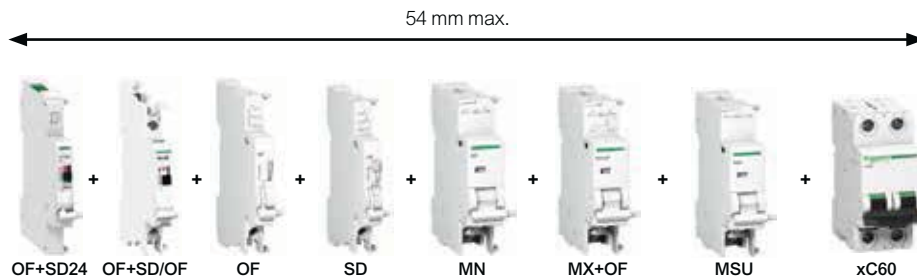
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

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

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



Type	Module Width 18mm/module	Reference	Unit MRP [₹]
<b>Indication Auxiliaries</b>			
OF Auxiliary Switch: for ON/OFF indications	0.5	A9N26924	1134
SD Alarm Switch: for Trip on fault indications	0.5	A9N26927	1332
OF + SD/OF Auxiliary switch	0.5	A9N26929	3536
OF+SD24 auxiliary contact (ComReady)	0.5	A9N26899	2964
<b>Protection Auxiliaries – Trip Indication on front face</b>			
MN Under-voltage Release 220-240V AC	1	A9N26960	4762
MSU Over-voltage Release 275V AC	1	A9N26500	5639
<b>Tripping Auxiliaries – Trip Indication on front face</b>			
MX + OF Shunt Release 110-415V AC: for Remote tripping of Circuit Breaker	1	A9N26946	3098
MX + OF Shunt Release 12-24V AC/DC: for Remote tripping of Circuit Breaker	1	A9N26948	3098
<b>Auxiliary Switch for RCCBs – Mandatory for use of Auxiliaries with RCCBs</b>			
Auxiliary switch for RCCB up to 80A (OF-S)	0.5	A9N26923	1514
Auxiliary switch for RCCBs 125A (OFSP)	0.5	16940	2301

### Accessories



Type	Description	Reference	Unit MRP [₹]
Rotary Handle*	Breaker Switching Sub-Assembly	27046	4227
	Extended, Disconnectable handle	27047	2616
Padlock** (bag of 2)		26970	1017
Multicable terminal for 3 copper cables**		19096	8180
Aluminum cable terminal**		27060	621
Spacer		A9N27062	262

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

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

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Protection Against Lightning Strikes And Switching Surges



For all low voltage switchboards and electrical enclosures:

## Comprehensive range

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

## Continuity of service and certified safety

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

Compliance with standards: IEC/EN 61643-11.



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



# 90%

of power outlets supply equipment incorporating electronic devices.



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



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



### Surge Arresters - Type 1+ 2



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

Type	Pole Description	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD1 25r	1P	2	16329	15344
	1P + N	4	16330	33753
	3P	6	16331	50616
	3P + N	8	16332	62889

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



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

Type	Rated Voltage (V)	Pole Description	Module Width 18mm/module	Reference	Unit MRP [₹]
iPRD8	230	1P	1	A9L08100	4606
	230	1P+N	2	A9L08500	8614
	230/400	3P	3	A9L08300	11626
	230/400	3P+N	4	A9L08600	17548
iPRD8r	230	1P+N	2	A9L08501	10326
	230/400	3P+N	4	A9L08601	21058
iPRD20	230	1P	1	A9L20100	5163
	230	1P+N	2	A9L20500	10828
	230/400	3P	3	A9L20300	13862
iPRD20r	230/400	3P+N	4	A9L20600	19597
	230	1P+N	2	A9L20501	12877
	230/400	3P+N	4	A9L20601	23963
iPRD40	230	1P	1	A9L40100	6104
	230	1P+N	2	A9L40500	12471
	230/400	3P	3	A9L40300	17901
iPRD40r	230/400	3P+N	4	A9L40600	24963
	230	1P	1	A9L40101	7319
	230	1P+N	2	A9L40501	16077
iPRD65r	230/400	3P	3	A9L40301	24091
	230/400	3P+N	4	A9L40601	29960
	230	1P	1	A9L65101	9785
iPRD65r	230	1P+N	2	A9L65501	20491
	230/400	3P	3	A9L65301	26739
	230/400	3P+N	4	A9L65601	34695

### Spare Cartridges for iPRD



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

Type	Spare Cartridges for	Reference	Unit MRP [₹]
iPRD 65-350	iPRD65r	A9L65102	6126
iPRD 40-350	iPRD40, iPRD40r	A9L40102	4713
iPRD 20-350	iPRD20, iPRD20r	A9L20102	3777
iPRD 8-350	iPRD8, iPRD8r	A9L08102	3306
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	4959

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

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

### iQuick PRD - Type 2 with inbuilt MCB



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

Type	Pole Description	Module Width 18mm/module	Reference	Unit MRP [₹]
iQuick PRD 8r	1P+N	4	A9L16298	13231
	3P	6.5	A9L16299	18896
	3P+N	7.5	A9L16300	23513
iQuick PRD 20r	1P+N	4	A9L16295	15429
	3P	6.5	A9L16296	22684
	3P+N	7.5	A9L16297	28216
Quick PRD 40r	1P+N	4	A9L16292	18019
	3P	6.5	A9L16293	26996
	3P+N	7.5	A9L16294	33550

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

### Photovoltaic surge arresters



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

Type	U (cpv) Maximum Operating Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
iPRD 40r	800	3	A9L40271	10261
	1000	3	A9L40281	11727

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

### Surge Arresters for Communication Networks



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

Type	[Ue] Operational Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
PRI	48 V DC	1	A9L16339	18302
PRC	130 V AC	1	A9L16337	11192

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

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

NORMAL STOCK ITEMS

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### Isolator - xSW



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

Poles Description	[In] Rated Current (A)	Module Width 18mm/module	MOQ	Reference	Unit MRP [₹]
2	40	2	6	A9S2P040	699
	63	2	6	A9S2P063	924
	125	2	6	A9S2P125	1760
3	40	3	4	A9S3P040	1221
	63	3	4	A9S3P063	1430
4	40	4	3	A9S4P040	1546
	63	4	3	A9S4P063	1683
	80	4	3	A9S4P080	2233
	100	4	3	A9S4P100	2816
	125	4	3	A9S4P125	3113

### Selector Switch - iSSW



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

No. of positions	Poles Description	Contacts	Module Width 18mm/module	MOQ	Reference	Unit MRP [₹]
2	1	1 C/O	1	12	A9E18070	1469
	2	2 C/O	2	6	A9E18071	2019
		1NO + 1NC	1	12	A9E18072	1177
3	1	1 C/O	1	12	A9E18073	1441
	2	2 C/O	2	6	A9E18074	2437

### 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	1856
8..12V AC	1	A9A15323	1011

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

NORMAL STOCK ITEMS

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### iCT Contactors



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

Type	Rating (A)	No. of Contacts	Module Width 18mm/module	Reference	Unit MRP [₹]
1P	25	1NO	1	A9C20731	2204
	16	2NO	1	A9C22712	2268
2P	25	2NO	1	A9C20732	2712
	40	2NO	2	A9C20842	5527
	63	2NO	2	A9C20862	5928
3P	25	3NO	2	A9C20833	3494
	40	3NO	2	A9C20843	7758
	63	3NO	3	A9C20863	8432
4P	25	4NO	2	A9C20834	3659
	40	4NO	2	A9C20844	9036
	63	4NO	3	A9C20864	9534
	63	2NO + 2NC	3	A9C20868	10620

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

### iTL Impulse Relays



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

Type	Rating (A)	Control Voltage	No. of Contacts	Module Width	Reference	Unit MRP [₹]
1P	16	230-240 VAC	1NO	1	A9C30811	1428
	32	230-240 VAC	1NO	1	A9C30831	1798
2P	16	230-240 VAC	2NO	1	A9C30812	2343
	32	230-240 VAC	2NO	1	A9C30831 + A9C32836	5559
3P	16	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30811 + A9C32816	4445
	32	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30831 + 2* x A9C32836	9320
4P	16	230-240 VAC	4NO	2	A9C30814	4852
	32	230-240 VAC	4NO	2	A9C30831 + 3* x A9C32836	13081

### iIL Indicator Lights



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

Type	Colour	Module Width 18mm/module	Reference	Unit MRP [₹]
Single Indicator light	Red	1	A9E18320	1477
	Green	1	A9E18321	1477
	Blue	1	A9E18323	1477
	Orange	1	A9E18324	1477
3 phase voltage presence light	Red/Red/Red	1	A9E18327	4269
Single Push Button (1 NO+ 1NC)	Grey	1	A9E18033	1990

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

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

NORMAL STOCK ITEMS

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## Smartlink



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

Description	Reference	Unit MRP [₹]
Smartlink EL-D	A9XELC10	24776
Wiser Energy Module IP	EER31800	24776

## Communication Auxiliaries



Auxiliary for Protection Devices (OF+SD24)

Auxiliary for Contactors (iACT24)

Auxiliary for Impulse Relays (iATL24)

Description	Module Width	Reference	Unit MRP [₹]
OF+SD24	0.5	A9N26899	2964
iACT24	1	A9C15924	14745
iATL24	1	A9C15424	15526

## Reflex iC60 - Integrated Control & Overcurrent Protection Device



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

[In] Rated Current (A)	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width **	4.5 mod		5.5 mod		6.5 mod	2275
<b>B Curve</b>						
10	A9C61210	40564	A9C61310	42361	A9C61410	45411
16	A9C61216	40558	A9C61316	42361	A9C61416	45411
25	A9C61225	40558	A9C61325	42361	A9C61425	45411
40	A9C61240	41901	A9C61340	45304	A9C61440	48220
63	A9C61263	44566	A9C61363	47069	A9C61463	50959
<b>C Curve</b>						
10	A9C62210	41018	A9C62310	43656	A9C62410	46342
16	A9C62216	41018	A9C62316	43661	A9C62416	46342
25	A9C62225	41013	A9C62325	43656	A9C62425	46342
40	A9C62240	43196	A9C62340	45325	A9C62440	48252
63	A9C62263	45518	A9C62363	47069	A9C62463	50964
<b>D Curve</b>						
10	A9C63210	41944	A9C63310	44544	A9C63410	48204
16	A9C63216	41944	A9C63316	44544	A9C63416	48204
25	A9C63225	41944	A9C63325	44544	A9C63425	48204

Note: \*\*18mm/module

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Acti 9

## Distribution Boards

### Spectacular Design

*Blends seamlessly with interiors*



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

### Maximized Wiring Space

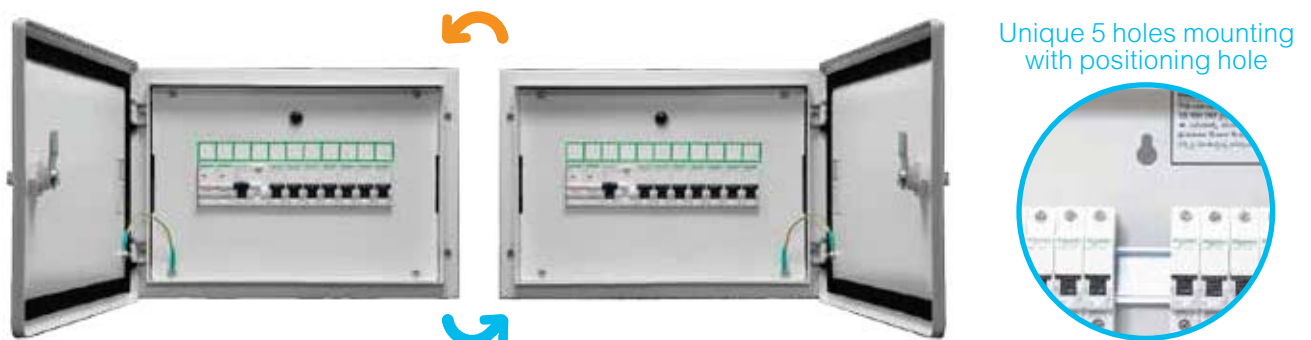
*Convenient and Safe wiring*



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

### Adaptable

*Total Flexibility for ease of installation and usage*



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



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

## Robust Architecture

*Perfect blend of Strength & Weight*



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

## Technically Proven

*Safety Guaranteed*

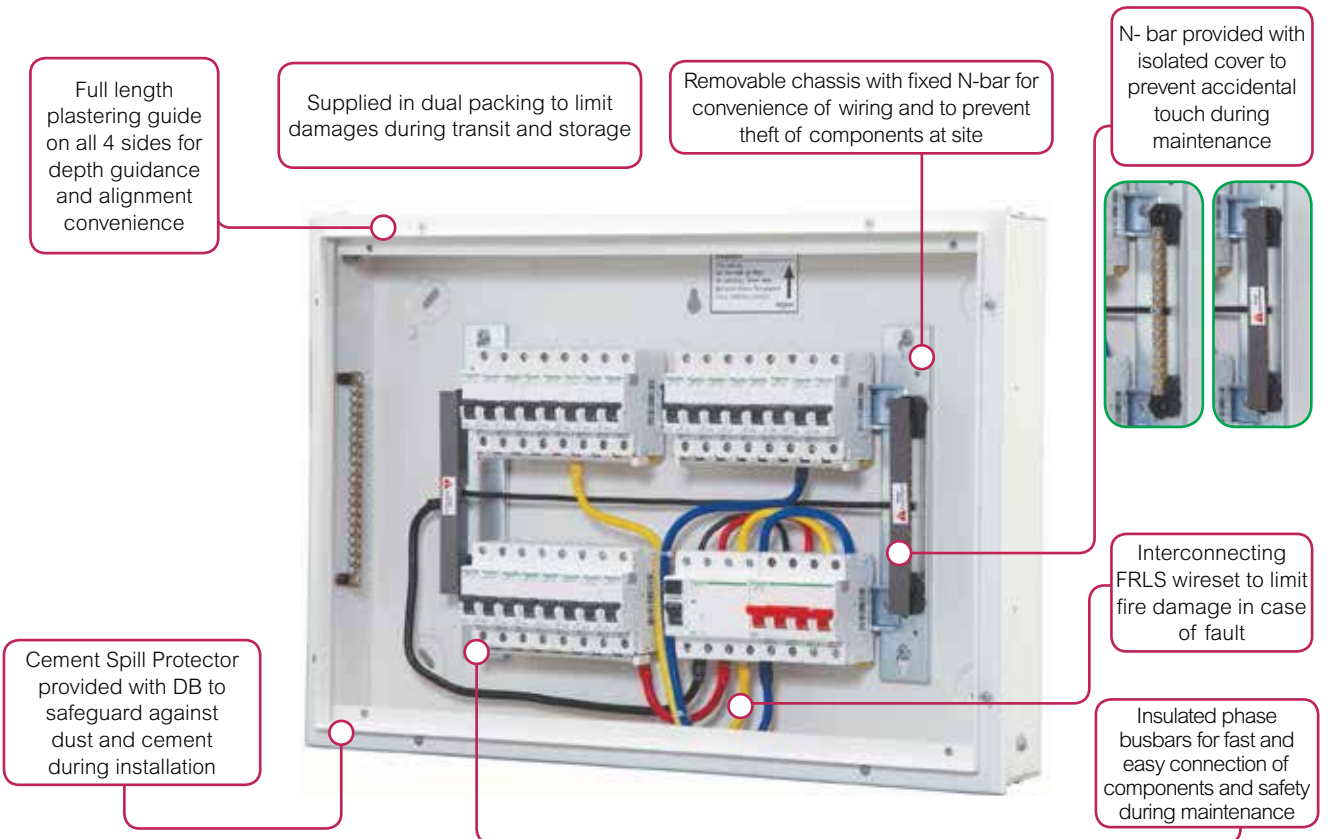
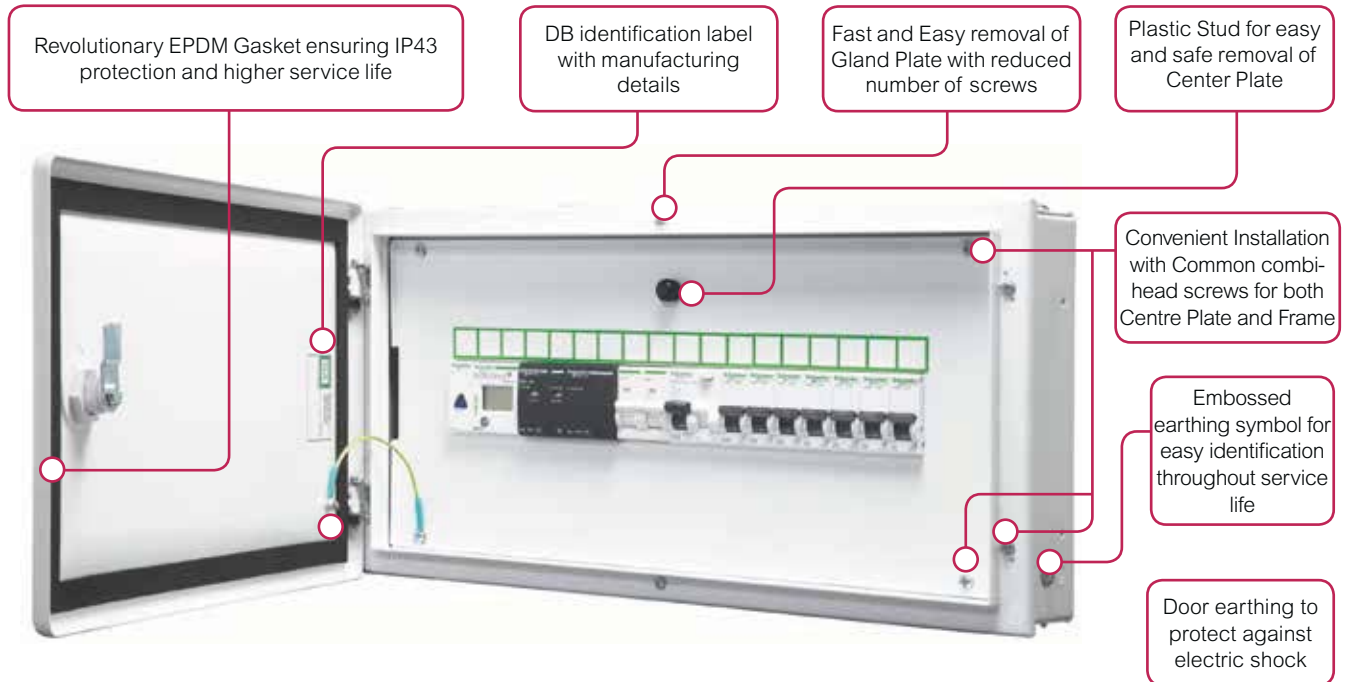


Designed and Manufactured as per IS 8623 - 1&3 | IP and IK test by ERDA & CPRI | Glow wire tested



# Acti 9

## Distribution Boards



### Metal Enclosures



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

Description	Total Module Cutout	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
2 way	1 / 2	A9HMES02 <input checked="" type="checkbox"/>	819	-	-
4 way	3 / 4	A9HMES04 <input checked="" type="checkbox"/>	819	-	-

### SPN DBs



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

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
6 way	6	A9HSNS06	1586	A9HSND06 <input checked="" type="checkbox"/>	2279
8 way	8	A9HSNS08 <input checked="" type="checkbox"/>	1880	A9HSND08 <input checked="" type="checkbox"/>	2483
12 way	12	A9HSNS12	2226	A9HSND12 <input checked="" type="checkbox"/>	2987
18 way	18	A9HSNS18	3061	A9HSND18 <input checked="" type="checkbox"/>	4001

### TPN DBs



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

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
4 way eco	4 + 12	-	-	A9HTND04E <input checked="" type="checkbox"/>	4898
4 way	8 + 12	A9HTNS04	4547	A9HTND04 <input checked="" type="checkbox"/>	4940
6 way	8 + 18	A9HTNS06	*	A9HTND06 <input checked="" type="checkbox"/>	6085
8 way	8 + 24	A9HTNS08	6038	A9HTND08 <input checked="" type="checkbox"/>	7308
12 way	8 + 36	A9HTNS12	9345	A9HTND12 <input checked="" type="checkbox"/>	11456

### Flexi Tier DBs



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

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
2 Tier 24 Modules	2 x 12	-	-	A9HFD224	6426
3 Tier 36 Modules	3 x 12	-	-	A9HFD336	7718
4 Tier 40 Modules	4 x 10	-	-	A9HFD440 <input checked="" type="checkbox"/>	8153
4 Tier 56 Modules	4 x 14	-	-	A9HFD456 <input checked="" type="checkbox"/>	8521

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

\* - Price on Request

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

NORMAL STOCK ITEMS

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### Per Phase Isolation DBs

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

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
12 way	100A MCCB + 6 + 36	-	-	A9HPID12M	16994

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



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

Description	Reference	Unit MRP [₹]
PPI Kit for 6way TPN DB (2+4w PPI DB)	A9HKIT04 <input checked="" type="checkbox"/>	3339
PPI Kit for 8way TPN DB (2+6w PPI DB)	A9HKIT06 <input checked="" type="checkbox"/>	3911
PPI Kit for 12way TPN DB (2+10w PPI DB)	A9HKIT10 <input checked="" type="checkbox"/>	4310
PPI Kit for 4T40M Flexi DB (2+8w PPI DB)	A9HKIT08 <input checked="" type="checkbox"/>	6914
PPI Kit for 4T56M Flx DB (2+12w PPI DB)	A9HKIT12 <input checked="" type="checkbox"/>	7655

### Phase Segregated DBs



- Phase Segregated DBs to provide total safety for installer and maintenance personnel, by compartmentalizing each Phase and separating Incomer, Sub-Incomer and Outgoing
- Offers better continuity of supply in case of faults during maintenance at DB level.
- Incomer - Modular (FP MCB/Isolator) / MCCB 100A (TP/FP during maintenance Compact NSX or EasyPact CVS)
- Sub-Incomer - DP RCCB/RCBO
- Outgoing - SP MCBs

Description	Total Module Cutout (Incomer + Sub-incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
6 way	8 + 12 + 18	-	-	A9HPGD06 <input checked="" type="checkbox"/>	15094
8 way	8 + 12 + 24	-	-	A9HPGD08 <input checked="" type="checkbox"/>	16853
12 way	8 + 12 + 36	-	-	A9HPGD12	21158
12 way with MCCB I/c	100A MCCB + 12 + 36	-	-	A9HPGD12M	28550

### VTPN DBs for Modular Incomer



- Ideal solution to distribute power supply to both 3 Phase and 1 Phase loads in the same DB
- Incomer - FP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs / TP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
4 way	8 + 12	-	-	A9HVTD04 <input checked="" type="checkbox"/>	12773
8 way	8 + 24	-	-	A9HVTD08 <input checked="" type="checkbox"/>	16249
12 way	8 + 36	-	-	A9HVTD12 <input checked="" type="checkbox"/>	21746

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

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

NORMAL STOCK ITEMS

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### VTPN DBs for MCCB Incomer



- DBs for higher incoming current distribution up to 250A
- Incomer - TP/FP Compact NSX or EasyPact CVS MCCB up to 250A
- Outgoing - SP MCBs / TP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
4 way	100A MCCB + 12	-	-	A9HVD04L	13991
8 way	100A MCCB + 24	-	-	A9HVD08L	17729
12 way	100A MCCB + 36	-	-	A9HVD12L	23573
4 way	160A MCCB + 12	-	-	A9HVD04M	15398
8 way	160A MCCB + 24	-	-	A9HVD08M	19184
12 way	160A MCCB + 36	-	-	A9HVD12M	25604
8 way	250A MCCB + 24	-	-	A9HVD08H	33149
12 way	250A MCCB + 36	-	-	A9HVD12H	34944

### ComReady DBs



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

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
1 Tier 24 Modules	24	-	-	A9HCRD124	9224
2 Tier 48 Modules	48	-	-	A9HCRD248	14259

### Metal Clad P&S Units



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

Description	Total Module Cutout	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
10A 1P+N+E P&S	2	A9HMS210	2084	-	-
20A 1P+N+E P&S	2	A9HMS220	2231	-	-
30A 3P+E P&S	3	A9HMS330	4883	-	-

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



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

Description	Total Module Cutout	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
16A 3P PK P&S	2	A9HKS316	1927	-	-
32A 3P PK P&S	2	A9HKS332	3182	-	-
32A 5P PK P&S	4	A9HKS532	3770	-	-
63A 5P PK P&S	4	A9HKS563	7613	-	-

\*upto 32A socket only

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

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

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

NORMAL STOCK ITEMS

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### Locks for Acti 9 DBs



Key Lock

Description	Reference	Unit MRP ₹
Rotary lock	A9HRL801	561
Key Lock	A9HRL802	704
New Rotary Lock**	A9HRL901	561

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

### Accessories for Distribution Boards

Description	Reference	Unit MRP ₹
<b>Busbars</b>		
Fork Busbar 1P 12MOD. 63A	R9XFH112	759
Fork Busbar 1P 57MOD. 63A	R9XFH157	1689
Fork Busbar 2P 12MOD. 63A	R9XFH212	875
Fork Busbar 2P 57MOD. 63A	R9XFH257	3240
Fork Busbar 3P 12MOD. 63A	R9XFH312	1975
Fork Busbar 3P 57MOD. 63A	R9XFH357	7068
Fork Busbar 4P 12MOD. 63A	R9XFH412	1821
Fork Busbar 4P 57MOD. 63A	R9XFH457	7607
<b>Busbar Accessories</b>		
Set of 10 End Caps 1P	R9XE110	*
Set of 10 End Caps 2P	R9XE210	*
Set of 10 End Caps 3P	R9XE310	798
Set of 10 End Caps 4P	R9XE410	*
Set of 4 Connector Fork 63A	R9XFC04	*
Set of 20 Tooth Caps	R9XT20	1023
Blanking Plate	13229B	39

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

\* - Price on Request

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

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

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

NORMAL STOCK ITEMS

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



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

## Mini Enclosures for modular devices



Description	Reference	Unit MRP [₹]
4 module	13441 <input checked="" type="checkbox"/>	2860
6 module	13442	3256
8 module	13443	3834
12 module	13444	6160

## Enclosures for modular devices (with terminal blocks)



Description	Reference	Unit MRP [₹]
1 row 12 module	13431	6798
1 row 18 module	13432	8960
2 row 24 module	13433	10175
2 row 36 module	13434	12881
3 row 36 module	13435	13431
4 row 72 module	13437	25636

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



Description	Reference	Unit MRP [₹]
4 module 1 vertical opening	13175 <input checked="" type="checkbox"/>	1364
4 module 2 horizontal opening	13176	1683
4 module 3 horizontal opening	13177	2118

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

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

NORMAL STOCK ITEMS

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



Description	Reference	Unit MRP [₹]
5 module 2 opening	13178 <input checked="" type="checkbox"/>	3284
8 module 4 horizontal opening	13179	4483
13 module 3 opening	13180	5924
13 module 6 opening	13181	6512
19 module 8 opening	13182	8393

## Functional Plaques



Description	Reference	Unit MRP [₹]
Blank - marked for 1 socket 50x50	13135	424
Blank - marked for 1 socket 65x65 or 75x75	13137	424
Intermediate with 65x85 opening	13136	517
Intermediate with one opening for 65x85 & 90x100	13142	858

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Wander Plugs



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
<b>PratiKa Screw</b>				
<b>IP44</b>				
16	200...250	2P + E	PKE16M423 <input checked="" type="checkbox"/>	471
		2P + E	PKX16M423 ●	954
	380...415	3P + E	PKE16M434 <input checked="" type="checkbox"/>	597
		3P + N + E	PKE16M435 <input checked="" type="checkbox"/>	622
32	200...250	2P + E	PKE32M423 <input checked="" type="checkbox"/>	743
		3P + E	PKE32M434	861
	380...415	3P + N + E	PKE32M435 <input checked="" type="checkbox"/>	849
<b>IP67</b>				
16	200...250	2P + E	PKE16M723 <input checked="" type="checkbox"/>	1031
		2P + E	PKX16M723 ●	1516
	380...415	3P + E	PKE16M734	1164
		3P + N + E	PKE16M735	1244
32	200...250	2P + E	PKE32M723	1458
		3P + E	PKE32M734 <input checked="" type="checkbox"/>	1573
	380...415	3P + N + E	PKE32M735 <input checked="" type="checkbox"/>	1584
<b>PK (63A &amp; 125A available in IP67 only)</b>				
63	200...250	2P + E	81378	4133
		3P + E	81382 <input checked="" type="checkbox"/>	3941
	380...415	3P + N + E	81383 <input checked="" type="checkbox"/>	3946
125	200...250	2P + E	81390	10555
		3P + E	81394	12054
	380...415	3P + N + E	81395	12054

Note: \* Fast Connection

## Small Wall Mounted Sockets



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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
<b>IP44</b>				
16	200...250	2P + E	PKF16W423	826
		3P + E	PKF16W434	958
	380...415	3P + N + E	PKF16W435	1046
32	200...250	2P + E	PKF32W423	1079
		3P + E	PKF32W434	1295
	380...415	3P + N + E	PKF32W435	1368
<b>IP67</b>				
16	200...250	2P + E	PKF16W723	1312
		3P + E	PKF16W734	1647
	380...415	3P + N + E	PKF16W735	1704
32	200...250	2P + E	PKF32W723	1641
		3P + E	PKF32W734	2397
	380...415	3P + N + E	PKF32W735	3180

Note: For all above Reference MOQ = 1

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Wall Mounted Sockets



81178



81183

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
63	200...250	2P + E	81178	5092
	380...415	3P + E	81182 ●	5241
		3P + N + E	81183	5315
125	200...250	2P + E	81190	18197
	380...415	3P + E	81194	18363
		3P + N + E	81195	18453

## Wander Sockets



PKF16M423



81483



PKF32M735

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
<b>PratiKa Screw</b>				
<b>IP44</b>				
16	200...250	2P + E	PKF16M423 ✓	654
		2P + E	PKY16M423	720
	380...415	3P + E	PKF16M434	754
		3P + N + E	PKF16M435	822
32	200...250	2P + E	PKF32M423 ✓	898
	380...415	3P + E	PKF32M434	1090
		3P + N + E	PKF32M435 ✓	1097
<b>IP67</b>				
16	200...250	2P + E	PKF16M723	1209
		2P + E	PKY16M723 ●	1471
	380...415	3P + E	PKF16M734	1516
		3P + N + E	PKF16M735	1584
32	380...415	2P + E	PKF32M723	1663
		3P + E	PKF32M734	1840
	3P + N + E	PKF32M735	1857	
<b>PK (63A &amp; 125A available in IP67 only)</b>				
63	200...250	2P + E	81478	4502
	380...415	3P + E	81482	4542
		3P + N + E	81483	4615
125	200...250	2P + E	81490	14189
	380...415	3P + E	81494	14212
		3P + N + E	81495	14490

## Also Available on Request:

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

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

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

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

✓ NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## Panel Mounted Sockets - Angled



PKF16F423

PKF32F723

81283

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
<b>PratiKa Screw</b>				
<b>IP44</b>				
16	200...250	2P + E	PKF16F423 <input checked="" type="checkbox"/>	506
		2P + E	PKY16F423 ●	545
	380...415	3P + E	PKF16F434	754
		3P + N + E	PKF16F435 <input checked="" type="checkbox"/>	803
32	200...250	2P + E	PKF32F423 <input checked="" type="checkbox"/>	898
	380...415	3P + E	PKF32F434	1042
		3P + N + E	PKF32F435	1038
<b>IP67</b>				
16	200...250	2P + E	PKF16F723 <input checked="" type="checkbox"/>	952
		2P + E	PKY16F723 ●	1153
	380...415	3P + E	PKF16F734	1084
3P + N + E		PKF16F735 <input checked="" type="checkbox"/>	1097	
32	200...250	2P + E	PKF32F723	1238
	380...415	3P + E	PKF32F734	1448
		3P + N + E	PKF32F735	1471
<b>PK (63A &amp; 125A available in IP67 only)</b>				
63	200...250	2P + E	81278	4065
		3P + E	81282 <input checked="" type="checkbox"/>	4071
	380...415	3P + N + E	81283 <input checked="" type="checkbox"/>	4151
125	200...250	2P + E	81290	13366
		3P + E	81294	13712
	380...415	3P + N + E	81295	13780

## Panel Mounted Sockets - Straight



PKF16G423

PKF16G723

81683

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
<b>PratiKa Screw</b>				
<b>IP44</b>				
16	200...250	2P + E	PKF16G423	572
		2P + E	PKY16G423	588
	380...415	3P + E	PKF16G434	822
		3P + N + E	PKF16G435	861
32	200...250	2P + E	PKF32G423	908
	380...415	3P + E	PKF32G434	1046
		3P + N + E	PKF32G435	1133
<b>IP67</b>				
16	200...250	2P + E	PKF16G723	958
		2P + E	PKY16G723 ●	1079
	380...415	3P + E	PKF16G734	1084
3P + N + E		PKF16G735	1097	
32	200...250	2P + E	PKF32G723	1221
	380...415	3P + E	PKF32G734	1375
		3P + N + E	PKF32G735	1426
<b>PK (63A &amp; 125A available in IP67 only)</b>				
63	200...250	2P + E	81678	4048
		3P + E	81682	4111
	380...415	3P + N + E	81683	4111
125	200...250	2P + E	81690	13627
		3P + E	81694	13712
	380...415	3P + N + E	81695	13780

\*Fast Connection

Note: For all above Reference MOQ = 1

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

 NORMAL STOCK ITEMS

W.E.F. January 11, 2021

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

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

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



83047

83081

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
<b>IP44</b>				
16	200...250	2P + E	83031	6871
	380...415	3P + E	83035	9511
32		3P + N + E	83036	9697
	200...250	2P + E	83042 <input checked="" type="checkbox"/>	8920
	380...415	3P + E	83046	10397
		3P + N + E	83047	10510
<b>IP65</b>				
16	200...250	2P + E	83081	7109
	380...415	3P + E	83085	9789
		3P + N + E	83086	9988
32	200...250	2P + E	83092	9317
	380...415	3P + E	83096	11186
		3P + N + E	83097	11186

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



82754

83796

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
16	200...250	2P + E	82754 <input checked="" type="checkbox"/>	8517
	380...415	3P + E	82758	10374
		3P + N + E	82759	10720
32	200...250	2P + E	83791 <input checked="" type="checkbox"/>	10084
	380...415	3P + E	83795	11936
		3P + N + E	83796	12014

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



82766

82771

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

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
32	200...250	2P + E	82766	13303
	380...415	3P + E	82770	15597
		3P + N + E	82771	16069
63		3P + E	82782	17925
	380...415	3P + N + E	82783	17982

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



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

**Construction**

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

**Human Safety**

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

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

**Applications**

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

**Plug**



Rating (A)	Poles Description	Voltage (V)	MOQ	Reference	Unit MRP [₹]
10	2P	250	30	AP10 <input checked="" type="checkbox"/>	229
20	2P	250	30	AP20 <input checked="" type="checkbox"/>	240
20	3P	440	30	BP20 <input checked="" type="checkbox"/>	319
30	3P	440	20	BP30 <input checked="" type="checkbox"/>	582
63	3P+N+E	440	4	CP63 <input checked="" type="checkbox"/>	2633

**Socket**



Rating (A)	Poles Description	Voltage (V)	MOQ	Reference	Unit MRP [₹]
10	2P	250	30	AS10 <input checked="" type="checkbox"/>	240
20	2P	250	30	AS20 <input checked="" type="checkbox"/>	256
20	3P	440	30	BS20 <input checked="" type="checkbox"/>	359
30	3P	440	20	BS30 <input checked="" type="checkbox"/>	617
63	3P+N+E	440	4	CS63 <input checked="" type="checkbox"/>	2790

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

Get ready for  
**GREEN**  
Avatar of Power Monitoring

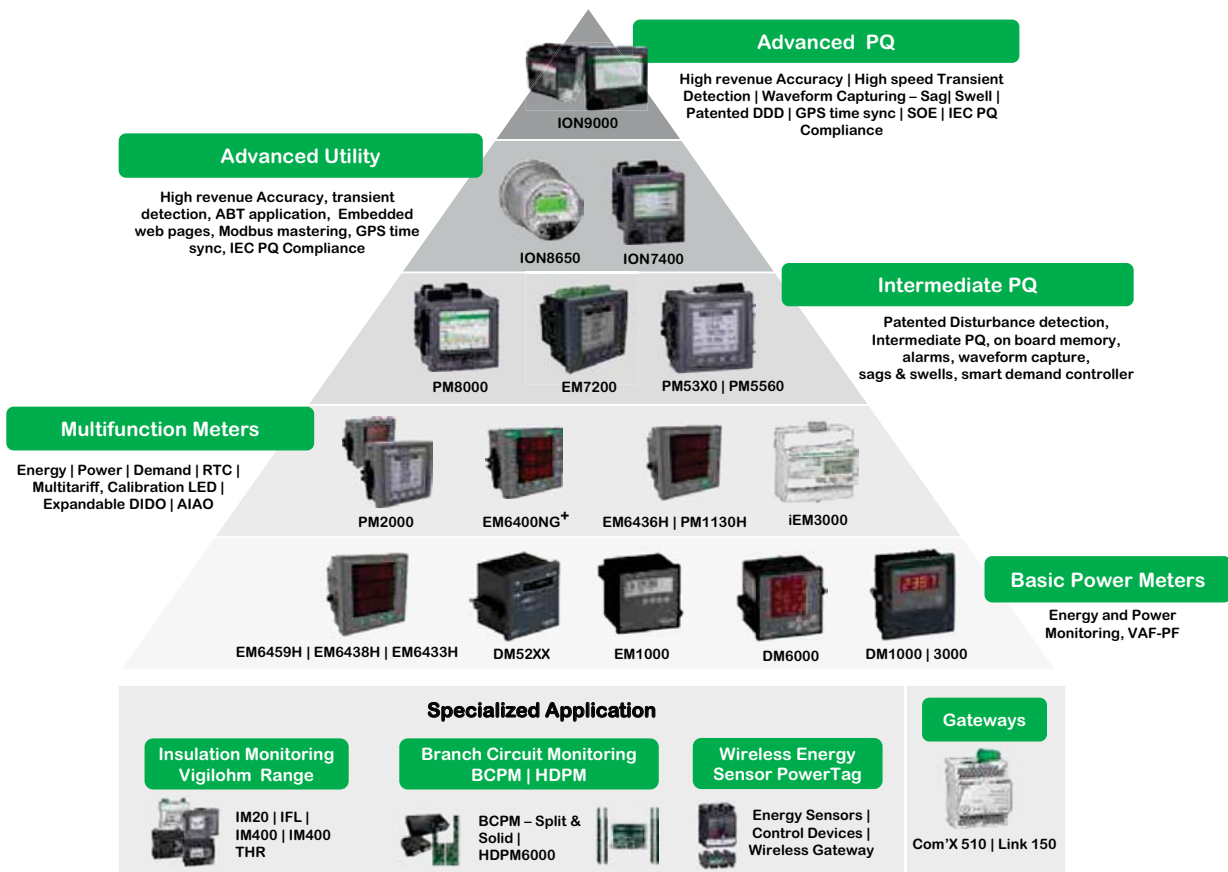
Discover EM6400NG+  
India's Most sold Multifunction Meter





# EcoStruxure Power: thrive in a digital world.

## Discover Our Power Monitoring Solutions



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

☑ NORMAL STOCK ITEMS

W.E.F. January 11, 2021



Gain new  
**INSIGHTS**  
into your  
mission-critical facilities



## Introducing HDPM6000

High density metering solutions for panelboards and busways in large and critical power applications



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

# 1. Tailored Offers for Specific Applications and Segments



## 1.1 HDPM6000 NEW

\*Coming Soon

### Accurate and adaptable branch circuit metering

#### Asset management

- > Monitor up to 192 circuits
- > Identify increased harmonics in the rack servers to detect a potential failure

#### Robust communications

- > Support for MODBUS, SNMP, and BACnet TCP IP

#### Cyber Security

- > Helps minimize vulnerabilities to critical power assets and systems and reinforce security strategy

#### Data logging

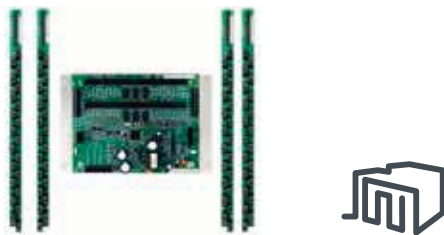
- > On-board memory for data logging
- > Meet the needs of robust code compliance applications

#### Modular and scalable

- > Simplified installation for reduced wiring issues
- > Adapts to expanding electrical networks
- > Scalable, future-proof capabilities

#### Panelboard or busway flexibility

- > Embedded web page for configuration and monitoring
- > Touch screen (optional) for data display
- > EcoStruxure™ Power integration



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

## 1.2 BCPM

\*Price On Request

### The BCPM Provides Data Center Managers with Information to

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

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

**Effectively plan future infrastructure needs** by providing historical usage data, to ensure that new infrastructure projects are sized correctly

- > Track usage at the circuit level
- > Develop reports on historical usage patterns
- > Use reporting to accurately predict future needs

#### Easily allocate costs

- > Allocate costs based on per rack energy consumption
- > Track usage patterns and determine areas of potential savings
- > Create ongoing reporting structures to effectively manage costs

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# 1. Tailored Offers for Specific Applications and Segments



## 1.3 Insulation Monitoring Devices

\*Price On Request

### Vigilohm Range of Insulation Monitoring Devices

- > Guarantees process continuity in case of earth fault,
- > Improves staff and process safety, and
- > Optimizes maintenance.

#### Can be used in 3 levels of insulation monitoring

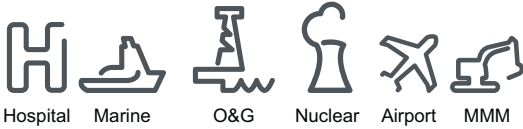
Level 1 : fault detection and signalling, manual fault location (all IMDs)

Level 2 : automatic fault location

Level 3 : feeder measurement + communication

#### Key features

- > Fault detection and signalling
- > Insulation resistance value display
- > Transformer monitoring (current and temperature)
- > Modbus communication
- > Alarm log
- > Insulation fault remote indicator (audible & visual)
- > Electrical fault (transformer overload or circuit breaker tripping ) remote indicator (audible & visual)
- > IEC 60364-4-41 : Electrical standards in buildings
- > IEC 60364-7-10 : Requirements for special installations or locations  
Medical locations.
- > IEC 61557-8 : Insulation Monitoring Devices in IT earthing arrangement
- > IEC 61557-9 : Equipment for insulation fault location in IT earthing arrangements



Hospital

Marine

O&G

Nuclear

Airport

MMM

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021





# High-speed transient detection for your critical power networks

## PowerLogic™ ION9000T

Meet the storyteller of your critical power networks - the PowerLogic ION9000T power quality meter. With high-resolution transient waveform capture, the meter identifies and characterizes high-speed transient voltages that often go undetected and can cause component damage or equipment failure. Modular design, flexible programming, and 0.1S accuracy give the ION9000T the adaptability needed for the IoT-enabled future. Onboard web pages provide meaningful, actionable EN50160 and IEEE519 power quality compliance data. The meters work natively with Ecostruxure™ Power Monitoring Expert to correlate facility-wide, system-level events for decisive power quality information and root cause analysis.

### High-speed transient detection

- Detection and capture of impulsive and oscillatory transients along with onboard power quality analysis
- Transient and disturbance waveform captures, ½ cycle RMS
- Patented disturbance direction detection (DDD) to identify event root cause

### Modular, flexible, and adaptable

- Multiple mounting options: DIN and panel with adapter plate
- Calibration pulses: on meter body
- Native plug-and-play support: for Ecostruxure™ Power Monitoring Expert, Ecostruxure™ Power SCADA Operation, ION Setup
- Two display options and field installable I/O option modules

### Unprecedented accuracy

- 0.1S accuracy: third-party certified, for a new benchmark in high performance metering
- Certified PQI-A (power quality instrument): complies with IEC 62586-1/-2
- Can uncover energy savings and contribute to a new competitive edge
- Ideal for even the most demanding environments

### Cybersecurity features

- Secure protocol support and security event logging that integrate with your architectures
- Helps minimize vulnerabilities to your critical power assets and systems and reinforce your security strategies

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



### 2.1 PowerLogic™ ION9000T NEW

\*Price On Request

- > High-speed transient detection with 10 MHz sampling, ability to measure up to 10 kV peak
- > Patented disturbance direction detection to identify event root cause
- > Unprecedented accuracy of 0.1S accuracy
- > Certified PQI-A (power quality instrument) complies with IEC 62586-1/-2
- > Modular, flexible, and adaptable
- > Secure protocol support and security event logging.
- > Onboard power quality analysis. Complies with: IEC61000-4-30 class A, IEC62586-1 / IEC62586-2, and verified by third-party lab certifications
- > Extended waveform capture
- > High-speed RMS data capture for in-depth analysis of any PQ disturbance
- > Smart power event analysis
- > ION programmability technology allowing tremendous flexibility
- > Protects your infrastructure investment now and in the future
- > Green Premium eco-mark.
- > Makes your power network safer, more reliable, efficient, and compliant.



### 2.2 PowerLogic™ ION9000

\*Price On Request

- > Summarize power quality, set targets, measure and verify results
- > Large Color Display with high resolution
- > Modbus Master functionality to read from downstream Modbus devices and view it via the front panel
- > Detect and capture transients as short as 20µs at 50Hz (17µs at 60 Hz)
- > Power quality compliance monitoring IEC 61000-4-30 Class A , test methods as per IEC 62586-1/2.
- > 2 GB of standard non-volatile memory.
- > Trend curves and short-term forecasting of upcoming values for better decisions
- > Disturbance direction detection with results captured in the event log, with a timestamp and certainty level
- > 50+ definable alarms to log critical event data, trigger waveform recording, or perform control function.
- > Trigger on any condition, with 1/2-cycle and 1-second response time.
- > Support protocol: Modbus, ION, DNP3, DLMS, SNMP, and IEC 61850.
- > Gateway functionality to access downstream meter's readings through ethernet
- > Time synchronization via GPS clock (RS-485) or IRIG-B (digital input) to ±1 millisecond.



Utility/ABT meter



8650

DLMS

### 2.3 PowerLogic™ ION 8800 / 8650

\*Price On Request

- > **Utility grade accurate metering** with IEC 62053-22/23 Class 0.2S with 1024 samples / cycle
- > **Power quality compliance monitoring** for IEC 61000-4-30 Class A/S, EN50160, IEC 61000-4-7, IEC 61000-4-15, IEEE 1159, IEEE 519
- > **Power quality measurements** with Individual Harmonics, sag – swell, transient detection, waveform analysis & logging
- > **Digital fault recording** by capturing voltage and current channels simultaneously for sub-cycle disturbances
- > **Complete communications** through IEC1107 optical port or the optional communications module that supports concurrent Ethernet, serial, and modem communications
- > **Transformer/line loss compensation** for system losses in real time directly in the meter
- > **Instrument transformer correction** to save money and improve accuracy by correcting for less accurate transformers.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# The most versatile meter for your feeder applications



## PowerLogic ION7400

- Compact, 3-phase multifunction energy and power quality compliance meters
- Flexible and modular, with object-oriented intelligence
- Accurate, precise, and highly adaptable

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



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



### 2.4 PowerLogic™ ION7400

Compact energy and power quality meters for feeders or critical loads

\*Price On Request

- > High quality, reliability, and accuracy: 3-phase power and energy measurements with power quality compliance monitoring, data and event logging, and alarming
- > Industry-leading: Class 0.2S revenue metering and network management data
- > Regulatory compliance: meets all North and South American requirements for utility metering
- > Built-in intelligence: RTU polls downstream devices like relays or other telemetry devices
- > Exceptional adaptability: integrates into existing billing/SCADA systems
- > Reduces downtime: pinpoints disturbances with disturbance direction detection as upstream or downstream of the meter
- > High degree of visibility to data and assets: allows for cost savings, rapid response time, and better decisions
- > Monitors and logs parameters in support of multiple international PQ compliance measurement standards
- > Harmonics: high-resolution waveform capture and Flicker influence



### 2.5 PowerLogic™ PM8000 Series

\*Price On Request

- > Patent disturbance detection capability with Sag/Swell / Waveform capture technology
- > **Ideal** for high energy users
- > **Revenue accuracy** of Class 0.2S as per IEC 62053-22
- > **High Sampling rate** of 256 Samples / Cycle, Waveform recording, sag/swell monitoring
- > **Modbus Master** with Single RS485 port & Dual Ethernet
- > **512MB of standard** non-volatile memory for Data and event logging
- > **Harmonics Analysis** upto 63rd for Voltage & current
- > **GPS clock (RS485)** or IRIG-B (digital input)
- > **01 Serial port** (Modbus, ION, DNP3) , Dual Ethernet port (Modbus/TCP, ION TCP, DNP3 TCP, IEC 61850 )
- > **Standard Digital Input**, Expandable Digital IO, Analog IO

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# Simplifying power quality, maximizing versatility

## PowerLogic™ PM8000 series Power Quality Analyser

- Higher Sampling Rate: 256 Samples / Cycle
- Disturbance Direction Detection (DDD): Upstream / Downstream
- Sag/ Swell monitoring with Waveform Capturing functionality
- High Active Accuracy: Class 0.2S as per IEC 62053-22
- Dual Ethernet and 01 RS485 port with Modbus Mastering
- International PQ standards - IEC 61000-4-30 Class S, IEC 62586 PQI-S





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



### 3.1 PowerLogic™ PM5000 Series Power Meters

- > IEC 61557-12 IEC for PMD (Power Measurement Devices)
- > **Accuracy** - Class 0.5S (PM51xx, PM53xx) and Class 0.2S (PM5560) - IEC Specifications
- > **4th CT** for neutral and ground current measurement (PM5560)
- > **Dual Ethernet** ports for daisy chain communication (PM5560)
- > **Internal webpage** (PM5560)
- > **Individual Harmonics** up-to 63rd (PM5560), 31st (PM53xx) & 15th (PM51xx) THD, TDD
- > **Multi-tariff** Schedules 4 tariffs (PM53xx) & 8 tariffs (PM5560)
- > **Two Relay outputs** for circuit breaker monitoring & control (PM5330, PM5340)
- > **Logging** memory (PM53xx, PM5560)
- > **Peak demand** with time stamping D/T for current and powers (PM53xx, PM5560)
- > **Demand prediction** based on sliding, fixed and rolling block, thermal methods (All models)
- > **Battery backed up** Real Time Clock (All models)
- > **Meter Insight-Through QR code**
- > 2DI/2DO/2AI (PM5570), RCM (PM5660), Waveform capture and Sag Swell + 2DI/2DO (PM5650), Waveform capture and Sag Swell + 2DI/2DO + RCM (PM5760)

Product	Description	Reference	Unit MRP [₹]
PM 5560	CI0.2S, 2 Ethernet + 1 RS485 Port, 4th CT, Webpage, 63rd Harmonic (magnitude & direction), 52 alarms, 4 DI, 2 DO, 8 multi tariff, 128 samples / cycle	30003008D	61749
PM 5340	CI0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003007D	36118
PM 5320	CI0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003005D	33664



### 3.2 Smart Demand Controller - EM7200 Series

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

Product	Description	Reference	Unit MRP [₹]
EM 7290	Demand Controller CI0.2* with RS485 Port	30002975	50821
EM 7280	Demand Controller CI0.5S with RS485 Port	30002198	39645
EM 7230	Demand Controller CI1.0 with RS485 Port	30002055	36594

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



The easy choice for quality,  
value, and simplicity.

EasyLogic™ PM2000 series



- Active Accuracy - Class 0.5S/1.0 as per IEC62053-22/21
- Dual Sourcing - Utility or Solar or wind energy monitoring using the DI
- 12am (Configurable) Snapshot - Volt, Amp, Power & Energy
- Rate Counters - Configurable for Energy and KgCO2
- Expandable IO Module - Digital IO/Analog IO
- Calibration and Heart beat LED on the front display

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

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

### 3.3 EasyLogic™ PM2000 Series

#### Multifunction Power and Energy meter with 12am snapshot and Rate counters (kgCO2 / Energy)



- > Energy Standard - Class 0.5S /1.0 as per IEC 62053-22 / 21
- > Power quality analysis with THD & Ind. harmonics up to 31st
  - IO module integration (optional) – Digital Input/ Output, Analog Input/ Output
  - Dual / Multi sourcing - Capable of monitoring Utility & Genset/ Solar/Wind energy using the Multitariff and Digital Input.
  - 12am (Configurable) Snapshot – Snapshot of Avg Volt, Avg Amp, Total active power & energy delivered as measured by the meter at 12am (Configurable) of every day.
  - Rate Counters – Configurable rate counters for displaying kgCO2 or energy cost.
  - Onboard Data Logging – Configurable logging up to 2 parameters
  - Per-phase, avg/ total of Volts, Amps, PF, THD, Hz, W, Wh, VA, VAh, VAR, VARh, Max Demand & Import / Export
  - Min/Max Monitoring with Date/Time stamping
  - Communication : Pulse output or RS485 port

Product	Description	Reference	Unit MRP [₹]
PM2230	PM2230, LCD, RS485, Accuracy Cl0.5S, 31st Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters, Data logging	METSEPM2230D	25124
PM2220	PM2220, LCD, RS485, Accuracy Cl1, 15th Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters	METSEPM2220D	23113
PM2130	PM2130, LED, RS485, Accuracy Cl0.5S, Ind. Harmonics up to 31st over communication, data logging	METSEPM2130D	24064
PM2K2DIDO*	Optional Digital IO card - 2 channel DI & DO for PM2000 Series	METSEPM2KDGTLIO22D	2855
PM2K1AIAO*	Optional Analog IO card - 1 channel AI & AO for PM2000 Series	METSEPM2KANLGIO11D	3385
PM2K2AIAO*	Optional Analog IO card - 2 channel AI & AO for PM2000 Series	METSEPM2KANLGIO22D	4124
PM2K2DI2RO*	EasyLogic™ PM2x30 2DI2RO Module 2-IO	METSEPM2K2DI2ROD	Price On Request

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# The future of multifunction meters is here

The all-new Hexa and EM6400NG<sup>+</sup> Series

All-New  
Hexa  
Now in LCD



All-New  
Hexa



All-New  
EM6400NG<sup>+</sup>



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



### 4.1 Conzerv™ EM6400NG+ Series, The Next Generation Workhorse

Multifunction Energy meter with NextGen features like Harmonics & Min/Max Monitoring, Digital security

- > **Energy Standard** – Class 0.2/0.5S/1 as per IEC 62053-22 / 21
- > **Power quality analysis** with THD & individual harmonics upto 15th over communication
- > **13 different wiring** configuration scheme
- > **Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interupts, Preloaded Demand & Import /Export**
- > **Min/Max Monitoring** with Date/Time stamping
- > **Calibration LED** and Heart beat LED for communication Status
- > **Communication:** POP or RS485 port

Product	Description	Reference	Unit MRP [₹]
EM6400NG+	Class accuracy C10.2, RS485 port	METSEEM6400NGRSC2	27529
EM6400NG+	Class accuracy C10.5S, RS485 port	METSEEM6400NGRSC5	22219
EM6400NG+	Class accuracy C11.0, RS485 port	METSEEM6400NGRSC1	<input checked="" type="checkbox"/> 17538
EM6400NG+	Class accuracy C10.5S, POP	METSEEM6400NGPOCL5	15193
EM6400NG+	Class accuracy C11.0, POP	METSEEM6400NGPOCL1	<input checked="" type="checkbox"/> 13755

Old EM6400 Reference	Equivalent EM6400NG+ Reference
30002021	METSEEM6400NGPOCL1
30002065	METSEEM6400NGPOCL1
30002072	METSEEM6400NGPOCL1
30002081	METSEEM6400NGPOCL1
30002022	METSEEM6400NGPOCL5
30002034	METSEEM6400NGPOCL5
30002049	METSEEM6400NGPOCL5
30002050	METSEEM6400NGPOCL5
30002064	METSEEM6400NGPOCL5
30002085	METSEEM6400NGPOCL5
30002088	METSEEM6400NGPOCL5
30002002	METSEEM6400NGRSC1
30002012	METSEEM6400NGRSC1
30002077	METSEEM6400NGRSC1
30002078	METSEEM6400NGRSC1
30002246	METSEEM6400NGRSC1
30002027	METSEEM6400NGRSC2
30002066	METSEEM6400NGRSC2
30002089	METSEEM6400NGRSC2
30002097	METSEEM6400NGRSC2
30002101	METSEEM6400NGRSC2
30002102	METSEEM6400NGRSC2
30002104	METSEEM6400NGRSC2
30002106	METSEEM6400NGRSC2
30002109	METSEEM6400NGRSC2
30002257	METSEEM6400NGRSC2
30002347	METSEEM6400NGRSC2
30002911	METSEEM6400NGRSC2

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

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



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



### 5.1 Hexa Series EM64XXH and PM1130H Meters Load Managers, Power & Energy, Dual Source Multifunction meters

- > Energy Accuracy - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices
- > Dual Sourcing with demand Monitoring, THD% for voltage & Current, 01 Relay Contact.
- > Configurable Favorite Page.
- > Sampling Rate of 32 Samples / Cycle.
- > Onsite Calibration Verification - Calibration LED.
- > Heart beat LED for communication status & meter healthiness.
- > Modus RS485 communication port.
- > Communication Disable from the front panel of the Meter.
- > Multi colored analog load bar with over load indication.
- > Configurable Password for secured setup of the device.

Product	Description	Reference	Unit MRP [₹]
PM1130H	EASYLOGIC™ PM1130H Dual Source Power & Energy Meter, Class accuracy 0.5, 01 Relay Contact, 01 RS485 port	METSEPM1130HCL05RD	15716
EM6438H	CONZERV™ EM6438H Dual Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6438HCL05RS	7719
EM6438H	CONZERV™ EM6438H Dual Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6438HCL10RS	7166
EM6436H	CONZERV™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6436HCL05RS	11547
EM6436H	CONZERV™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6436HCL10RS	10059
EM6436H	CONZERV™ EM6436H VAF+ PF + Power & Energy Meter, Class accuracy 1.0	METSEEM6436HCL10NC	8606
EM6433H	CONZERV™ EM6433H A+ Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6433HCL05RS	7159
EM6433H	CONZERV™ EM6433H A+ Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6433HCL10RS	6744
EM6459H	CONZERV™ EM6459H VAF+ PF Digital Meter, Class accuracy 0.5, 01 RS485 port	METSEEM6459HCL05RS	7606
EM6459H	CONZERV™ EM6459H VAF+ PF Digital Meter, Class accuracy 1.0, 01 RS485 port	METSEEM6459HCL10RS	7135
EM6459H	CONZERV™ EM6459H VAF+ PF Digital Meter, Class accuracy 1.0	METSEEM6459HCL10NC	5573

Old EM64xx Reference	Equivalent Hexa Reference
30002277	METSEPM1130HCL05RD
30002278	METSEPM1130HCL05RD
30002306	METSEPM1130HCL05RD
30002351	METSEPM1130HCL05RD
30002438	METSEPM1130HCL05RD
30002305	METSEPM1130HCL05RD
30002437	METSEPM1130HCL05RD
30002026	METSEEM6438HCL10RS
30002269	METSEEM6438HCL05RS
30001999	METSEEM6436HCL10RS
30002892	METSEEM6436HCL10RS
30001994	METSEEM6436HCL10NC
30002295	METSEEM6436HCL10NC
30002893	METSEEM6436HCL10NC
30002015	METSEEM6436HCL05RS
30002203	METSEEM6436HCL05RS
30002204	METSEEM6436HCL05RS
30002205	METSEEM6436HCL05RS
30002201	METSEEM6436HCL05RS

Old EM64xx Reference	Equivalent Hexa Reference
30002930	METSEEM6436HCL05RS
30002931	METSEEM6436HCL05RS
30002932	METSEEM6436HCL05RS
30002933	METSEEM6436HCL05RS
30002016	METSEEM6433HCL10RS
30002031	METSEEM6433HCL10RS
30002000	METSEEM6433HCL05RS
30002336	METSEEM6433HCL05RS
30002436	METSEEM6433HCL05RS
30002926	METSEEM6433HCL05RS
30002927	METSEEM6433HCL05RS
30001804	METSEEM6459HCL10RS
30002008	METSEEM6459HCL10NC
30002220	METSEEM6459HCL05RS
30002221	METSEEM6459HCL05RS
30002224	METSEEM6459HCL05RS
30002934	METSEEM6459HCL05RS
30002935	METSEEM6459HCL05RS
30002936	METSEEM6459HCL05RS

\* Few references may not be the exact equivalent, Please contact local sales representative before ordering.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

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



### 5.2 Hexa Series LCD Range: OEM Specialized applications

EasyLogic™ EM1220H | PM1225H | PM1230H meters are ideal replacements for multiple analog meters for stand-alone metering in OEM Panel Boards, Genset panels, Motor Control Centers, power factor improvement panels

- > **Energy Accuracy** - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices
- > Power quality analysis (THD %) | Phase angle between the voltage and current
- > **LCD display:** Elegant single row, bright back lit graphical LCD display 132 \* 32 pixels, Fast in-line view, three parameters name and value at one glance
- > **Suppression current:** To disregard the measurement of induced and panel auxiliary load current in the circuit (settable from 5 to 99 mA).
- > **Protective cover:** Tamper-proof terminal screws do not detach from housing.
- > **Control power options:** Universal range 44 to 300V LN AC/DC or Low voltage DC control power option of 9 to 36V DC
- > Sampling Rate of 32 Samples / Cycle
- > Onsite Calibration Verification - Calibration LED
- > Heart beat LED for communication status & meter healthiness.
- > Modbus RS485 communication port
- > Communication Disable from the front panel of the Meter
- > Configurable Password for secured setup of the device
- > Smart line indicators in LCD display meter to check the presence of input supply voltage

Product	Description	Reference	Unit MRP [₹]
PM1230H	EasyLogic™ PM1230H Dual Source Power & Energy, Class Accuracy 0.5, 01 RS485 Port	METSEPM1230HCL5	14148
PM1225H	EasyLogic™ PM1225H Restricted MFM Meter, Class Accuracy 0.5, 01 RS485 Port	METSEPM1225HCL5	19997
PM1225H	EasyLogic™ PM1225H Restricted MFM Meter, Class Accuracy 1.0, 01 RS485 Port	METSEPM1225HCL1	15784
EM1220	EasyLogic™ EM1220H Load Manager, Class Accuracy 0.5, 01 RS485 Port	METSEEM1220HCL5	10623
EM1220	EasyLogic™ EM1220H Load Manager, Class Accuracy 1.0, 01 RS485 Port	METSEEM1220HCL1	9254

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

Stay on top of it  
with **PowerTag**



## Give your business a competitive edge with PowerTag wireless energy sensors

With PowerTag Energy, you can add innovation to any project with one simple action. Even in panels where space is at a premium, you can easily tag circuit breakers up to 630 A to help your customers reduce costs and improve efficiency. As a connected product, PowerTag Energy is a key part of ExoStruxure Power – Schneider Electric's IoT-enabled, open and interoperable architecture. And a small-but-impressive solution your customers will appreciate.



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

\* Secure it: As part of the Acti 9 communication system, PowerTag monitors loads and identifies load imbalances and overload levels before a trip occurs. PowerTag also alerts you to voltage losses, so you save time recovering your installation in the event of load downtime. An email alert means you can take preventive action thus avoiding potential downtime. © 2020 Schneider Electric. All Rights Reserved. Life Is On Schneider Electric is a trademark and the property of Schneider Electric SE, its subsidiaries and affiliated companies. 998-20959054\_GMA\_630A\_image63A\_PanelBuilder\_print.ad.indd

## 6. PowerTag - World's Smallest Energy Sensor



### 6.1 PowerTag for MCB

#### Monitor Your Energy

- > Real time U, V, I, P, PF
- > Active energy metering (Class 1 EN 61557-12) partial and total
- > Load balance overview for 3P

#### Improve your Maintenance

- > Pre Alarm on overload
- > Specific "alarms" for U, I, P
- > Alarm on feeder voltage loss

Product	Description	Reference	Unit MRP [₹]
PowerTag	PowerTag Energy M63 1P+W	A9MEM1520	7802
PowerTag	PowerTag Energy M63 1P+N Top	A9MEM1521	7802
PowerTag	PowerTag Energy M63 1P+N Bottom	A9MEM1522	7802
PowerTag	PowerTag Energy M63 3P	A9MEM1540	15749
PowerTag	PowerTag Energy M63 3P+N Top	A9MEM1541	15749
PowerTag	PowerTag Energy M63 3P+N Bottom	A9MEM1542	15749
PowerTag	PowerTag Energy F63 1P+N	A9MEM1560	8573
PowerTag	PowerTag Energy F63 3P+N	A9MEM1570	17166
PowerTag	PowerTag Energy Sensor 63A -3P/3P+N	A9MEM1573	16349
PowerTag	PowerTag Energy Sensor 160A -F160 - 3P/3P+N	A9MEM1580	21111
PowerTag	PowerTag Energy Sensor Rope 200A - R200 - 3P/3P+N	A9MEM1590	39556
PowerTag	PowerTag Energy Sensor Rope 600A - R600 - 3P/3P+N	A9MEM1591	41330
PowerTag	PowerTag Energy Sensor Rope 800A - R1000 - 3P/3P+N	A9MEM1592	44180
PowerTag	PowerTag Energy Sensor Rope 2000A - R2000 - 3P/3P+N	A9MEM1593	46318



### 6.2 PowerTag for MCCB

- > Can also be installed in existing panels, designed to enhance the monitoring of your electrical assets
- > Simplifies the connectivity of individual breakers to a Building Management System (BMS) along with ease of installation
- > Visualize in real-time on your Smartphone or PC

Product	Description	Reference	Unit MRP [₹]
PowerTag	ENERGY SENSOR POWERTAG NSX - 250A 3P	LV434020	27066
PowerTag	ENERGY SENSOR POWERTAG NSX - 250A 3P+N	LV434021	29664
PowerTag	ENERGY SENSOR POWERTAG NSX - 630A 3P	LV434022	46781
PowerTag	ENERGY SENSOR POWERTAG NSX - 630A 3P+N	LV434023	51237



### 6.3 Smartlink

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

Product	Description	Reference	Unit MRP [₹]
Smartlink	Smartlink Modbus	A9XMSB11	37491
Smartlink	Smartlink SI-D	A9XMWD20	21993
Smartlink	Smartlink SI-B	A9XMZA08	42171

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## 6. PowerTag - World's Smallest Energy Sensor (cont.)

### 6.4 Communication Auxiliaries

Description	Reference	Unit MRP [₹]
Mounting Kit for Din Rail	A9XMFA04	1533
Prefabricated Cables M	A9XCAM06	5662
Locking Clips for Multiclip 80	A9XMLA02	668
Connectors 5 Pin	A9XC2412	7800
Prefabricated Cables L	A9XCAL06	6439
Prefabricated Cables S	A9XCAS06	5606
SEMI - Prefabricated Cables U	A9XCAU06	3870

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



## 7. DIN Rail Mount Meters - Accurate, Flexible Power Meters

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



### 7.1 PowerLogic™ PM3200 Series CI 0.5S Power Meters MV / LV Distribution

- > **Know network health through** all measurement parameters (I, In, U, V, PQS, E, PF, Hz, THD)
- > **Four-quadrant metering to differentiate energy**
  - Target green technologies (delivered/received)
  - Help reduce utility penalties (active/reactive)
- > **Up to 4 different time slots to manage multiple tariffs**
  - Peak, off-peak, workday, weekend
- > **DI/DO provide access to other areas of the electrical network & allow for more applications**
  - WAGES counting, remote reset, tariff control and energy pulse outputs
  - status input (circuit breaker trip or panel door opening), DO alarm for sound or light alert
- > **Data logging (PM3255)**
  - Save last 32 days, last 20 weeks and last 13 months consumption data in separate registers
  - Longer historical record helps create an accurate load profile, making benchmarking and trending easier

Product	Description	Reference	Unit MRP [₹]
PM 3255	Din rail Power meter Modbus	METSEPM3255	17215
PM 3210	Din rail Power meter pulse	METSEPM3210	15688

### 7.2 PowerLogic™ iEM3000 Series Class Meters - LV Distribution



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

iEM3110 iEM3210 iEM3310	iEM3150 iEM3250 iEM3350	iEM3165, 3175 iEM3265, 3275
<ul style="list-style-type: none"> <li>&gt; Total kWh</li> <li>&gt; Partial kWh + date and time of last reset</li> <li>&gt; Pulse output up to 1000pulse/kWh</li> <li>&gt; 1 Digital Out</li> <li>&gt; Date and time of last reset</li> <li>&gt; MID legal metrology certification</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Modbus</li> <li>&gt; Total kWh</li> <li>&gt; Partial kWh + date and time of last reset</li> <li>&gt; Self powered</li> <li>&gt; By communication: kWh, A, V, kW, PF</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Total kWh, kVAR</li> <li>&gt; Four quadrant</li> <li>&gt; Partial kWh+ date and time of last reset</li> <li>&gt; By communication: kWh, kVArh, P, Q, S, Kv, PF, 4 tariffs, digital input status, date/clock</li> <li>&gt; 1 DI for circuit breaker status, input WAGES, 1 DO</li> </ul>

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

Product	Description	Reference	Unit MRP [₹]
iEM33xx	Three Phase, 125A Direct Current, Lonwork	A9MEM3375	22575
iEM33xx	Three Phase, 125A Direct Current, BACnet	A9MEM3365	20979
iEM33xx	Three Phase, 125A Direct Current, Modbus	A9MEM3350	17851
iEM33xx	Three Phase, 125A Direct Current, PulseO/P	A9MEM3310	16842

### Three phase CT Operated, Din Rail Meter / Direct Current-Three phase (upto 63A)

Product	iEM 32xx CI0.5S CT		iEM 31xx CI1.0 - Direct current	
	Reference	Unit MRP [₹]	Reference	Unit MRP [₹]
iEM 3x65	A9MEM3265	18185	A9MEM3165	17643
iEM 3x55	A9MEM3255	12746	A9MEM3155	14083
iEM 3x50	A9MEM3250	11952	A9MEM3150	13292
iEM 3x10	A9MEM3210	10949	A9MEM3110	12168

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

## 8. Ethernet Communication Gateways and Meters



### Com'X 510 Energy management in a box

- > Com'X 510 collects and stores consumption of WAGES (water, air, gas, electricity and steam) and environmental factors like temperature, humidity, and CO2 levels.
- > Its embedded energy management software provides immediate visibility of energy consumption that helps identify opportunities for saving energy and lowering power bills.
- > Users can analyze real-time and historical data, provide stakeholders with a comprehensive view of their energy usage.

### 8.1 Ethernet Communication Gateway Server / Converters

#### □ Com'X 510 Gateway Server



- > Dual Ethernet
- > Onboard storage
- > Wireless WiFi / GPRS Support
- > Cloud hosted platform
- > Local and Customized Web pages with trending and dashboard visualization
- > Modbus Gateway
- > On-Board 6 DI, 2 AI

#### □ LINK150 Protocol Converter



- > Protocol Converter from Modbus RS485 to TCP/IP
- > Two (2) Ethernet ports for daisy chain Ethernet
- > Setup through built-in web pages
- > HTTP, HTTPS, FTP, SMTP, IPV6 Support
- > 24V DC and/or POE power supply

Product	Description	Reference	Unit MRP [₹]
ComX'510	Energy Gateway Server – EMS in a BOX	EBX510	52300
Link150	Protocol Converter	EGX150	30618

### 8.2 Ethernet – TCP/IP Protocol Meters & Accessories

Product	Description	Reference	Unit MRP [₹]
ION Products	ION 8800, ION 8650, ION 9000T, ION 9000, PM8000 with Ethernet		On Request
PM 5560	Two Ethernet ports with single IP, CI0.2S, Web dashboard	30003008D	61749
PM 5340	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs, 2 Relays	30003007D	36118
PM 5320	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs	30003005D	33664

## Accessories for Power Monitoring NEW

Description	Reference	Unit MRP [₹]
Adaptor Plate 144X144 mm	30000089	96
ELF adaptor plate	30001808	58
DM52XX Tamper protection kit - Set of 36 nos in 01 KIT	METSEDM5240TK	1095
IP65 protection cover for PM5XXX, PM2XXX, NG+ and Hexa	METSEIP65OP96X96FD	On Request

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

NORMAL STOCK ITEMS

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## 9. Specialized Small Form Factor Meters - ELF Series



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

- > Accuracy C11.0, C10.5
- > Aux Supply - 80 to 270Vac
- > Size - 96X48mm
- > Parameters - VAF, W/VA/VAr/PF
  - a) ELF3259 - VAF meter
  - b) ELF3234 - W/VA/VAr/PF
  - c) ELF3234\_3 - W/VA/VAr & PF

Product	Description	Reference	Unit MRP [₹]
ELF3234-3	ELF3234-3 C10.5	30000619	6835
ELF3234	ELF3234 C10.5	30000621	5850
ELF3259	ELF3259 C10.5	30000620	2936
ELF3234-3	ELF3234-3 C11.0	30000409	5460
ELF3234	ELF3234 C11.0	30000859	4678
ELF3259	ELF3259 C11.0	30000860	2342

## 10. Specialized Counter Energy Meters- Conzerv™ DM52xx



### 10.1 \*Conzerv™ DM52xx

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

Product	Description	Unit MRP [₹]
30002666	DM5240 0.5 415V-415V 100-1A 240VAX	5325
30002707	DM5240 1.0 415V-415V 1-1A 240VAX	4533
30002622	DM5240 1.0 415V-415V 40-5A 240VAX	4490
30002506	DM5240 1.0 415-415V 100-5A 240AX	4490
30002507	DM5240 1.0 415-415V 200-5A 240AX	4490
30002626	DM5240 1.0 415V-415V 3200-5A 240VAX	4490
30002505	DM5240 1.0 415-415V 5-5A 240AX	4490
30002655	DM5240 1.0 415V-110V 5-5A 110VAX	4533
30002661	DM5240 1.0 415V-110V 100-5A 240VAX	4533

\* For DM5240 quoted references here only shall be available for ordering

## 11. LCD Display Energy Meters & VAF+PF Meters



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

### 11.1 EM1000 / EM1200 Series

- > Accuracy C10.5, C11.0
- > **Parameters** - KW, kWh & PF
- > **Pulse output** - for basic tracking on EMS systems
- > **RS 485** - for native integration into EMS

Product	Description	Reference	Unit MRP [₹]
EM1200	EM1200 C10.5 RS	30002572	4578
EM1000	EM1000 C10.5 POP	30002571	3929
EM1200	EM1200 C11.0 RS	30002565	3773
EM1000	EM1000 C11.0 POP	30002568	3108

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

NORMAL STOCK ITEMS

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## 11.2 DM 6100 Series – VAF, PF Meters

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

Product	Description	Reference	Unit MRP [₹]
DM6300	DM6300 CI0.5 RS	30002570	3809
DM6100	DM6100 CI0.5	30002569	3006
DM6300	DM6300 CI1.0 RS	30002566	3627
DM6100	DM6100 CI1.0	30002567	2863

## 12. CE compliance - Volt/Amp/ frequency meter



### 12.1 EasyLogic™ DM3000 / DM1000

- > **CE compliance** as per latest IEC 61010-1
- > **50Hz** or 60Hz
- > **AC or DC** control power
- > **LED indicators** for phase identification in 3-ph meters
- > **Plus all** features of Conzerv range DM3000 / DM1000

Product	Description	Reference	Unit MRP [₹]
DM3210	Three phase Voltmeter CI0.5	30002965	2663
DM3110	Three phase Ammeter CI0.5	30002964	2663
DM1210	Single phase Voltmeter CI0.5	30002962	1807
DM1110	Single phase Ammeter CI0.5	30002961	1807
DM1310	Frequency meter CI0.2	30002963	1375

## 13. Just the Basics - Voltage / Ampere / Frequency Meters



### 13.1 Conzerv™ DM3000 / DM1000

#### Accuracy

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

#### Bright red LED Display

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

#### User-friendly

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

Product	Description	Reference	Unit MRP [₹]
DM3210	Three phase Voltmeter CI0.5	30002462	2171
DM3110	Three phase Ammeter CI0.5	30002461	2171
DM3210	Three phase Voltmeter CI1.0	30002386	1735
DM3110	Three phase Ammeter CI1.0	30002385	1735
DM1210	Single phase Voltmeter CI0.5	30002460	1470
DM1110	Single phase Ammeter CI0.5	30002459	1470
DM1210	Single phase Voltmeter CI1.0	30002366	1092
DM1110	Single phase Ammeter CI1.0	30002365	1092
DM1310	Single phase Frequency CI0.2	30002367	1092

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

☑ NORMAL STOCK ITEMS

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# VarPlus Box Xtreme

## Built to perform in **Xtreme** conditions

- Designed for 60°C, offers upto 60% more life than products designed at 55°C
- Tested to perform upto 150,000 hrs life in standard operating conditions
- Xtreme inrush withstand of upto 350 x In
- Designed to work in Xtreme environments

**New**

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



# Power Factor Correction Products



## VarPlus Can

- **Performance:** high performance and flexibility
- **Offer configuration:** Available in three configurations as FastOn, ClampTite and Stud Offer
- **Product range:** 1-50 kvar from 440V-525V
- **Product compliance:** IEC 60831 Part 1-2014 and 2-2014 compliant, **BIS Certified**, CE, CQC, UL, ASTA, Rohs and Green Premium
- **Type tested:** from LCIE France and ASTA Intertek
- **Temperature class:** Class D (+55°C for VarPlus Can)
- **Reliability:** self healing, unique 3-phase disconnection mechanism with pressure sensitive disconnection (PSD)
- **Safety:** tamper-proof discharge resistor, IP20 for FastOn and ClampTite offer
- **Robust design:** Al Can for casing, hermetically sealed, resin as coolant - better than gas
- **Enhanced life:** 130K hours with better current handling capacity due to wave cut films with slope metalization

## Can (Cylindrical) Type 440V Capacitors

Description	kVAR Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
<b>EasyCan (S Duty) 440V Range</b>				
MPP - Standard Duty Can 3Ph 1kVAr 440V 50Hz	1	3	MEHVCSY010A44 <input checked="" type="checkbox"/>	469
MPP - Standard Duty Can 3Ph 2kVAr 440V 50Hz	2	3	MEHVCSY020A44 <input checked="" type="checkbox"/>	652
MPP - Standard Duty Can 3Ph 3kVAr 440V 50Hz	3	3	MEHVCSY030A44 <input checked="" type="checkbox"/>	979
MPP - Standard Duty Can 3Ph 4kVAr 440V 50Hz	4	3	MEHVCSY040A44 <input checked="" type="checkbox"/>	1307
MPP - Standard Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCSY050A44 <input checked="" type="checkbox"/>	1325
MPP - Standard Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCSY075A44 <input checked="" type="checkbox"/>	1871
MPP - Standard Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCSY100A44 <input checked="" type="checkbox"/>	2187
MPP - Standard Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCSY125A44 <input checked="" type="checkbox"/>	2732
MPP - Standard Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCSY150A44 <input checked="" type="checkbox"/>	3277
MPP - Standard Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCSY200A44 <input checked="" type="checkbox"/>	4369
MPP - Standard Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCSY250A44 <input checked="" type="checkbox"/>	5463
<b>VarPlus Can (H Duty) 440V Range</b>				
MPP - Heavy Duty Can 3Ph 1kVAr 440V 50Hz	1	3	MEHVCHDY010A44 <input checked="" type="checkbox"/>	627
MPP - Heavy Duty Can 3Ph 2kVAr 440V 50Hz	2	3	MEHVCHDY020A44 <input checked="" type="checkbox"/>	982
MPP - Heavy Duty Can 3Ph 3kVAr 440V 50Hz	3	3	MEHVCHDY030A44 <input checked="" type="checkbox"/>	1473
MPP - Heavy Duty Can 3Ph 4kVAr 440V 50Hz	4	3	MEHVCHDY040A44 <input checked="" type="checkbox"/>	1963
MPP - Heavy Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCHDY050A44 <input checked="" type="checkbox"/>	2049
MPP - Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCHDY075A44 <input checked="" type="checkbox"/>	2988
MPP - Heavy Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCHDY100A44 <input checked="" type="checkbox"/>	3737
MPP - Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCHDY125A44 <input checked="" type="checkbox"/>	4672
MPP - Heavy Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCHDY150A44 <input checked="" type="checkbox"/>	5604
MPP - Heavy Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCHDY200A44 <input checked="" type="checkbox"/>	7474
MPP - Heavy Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCHDY250A44 <input checked="" type="checkbox"/>	9341
MPP - Heavy Duty Can 3Ph 30kVAr 440V 50Hz	30	1	MEHVCHDY300A44 <input checked="" type="checkbox"/>	11208
MPP - Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00)	40	1	MEHVCHDY400A44 <input checked="" type="checkbox"/>	14561
MPP - Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00)	50	1	MEHVCHDY500A44 <input checked="" type="checkbox"/>	18202
<b>VarPlus Can (GH Duty) 440V Range</b>				
MPP - Gas Heavy Duty Can 3Ph 5kVAr 440V 50Hz	5	3	MEHVCGSF050A44	2091
MPP - Gas Heavy Duty Can 3Ph 7.5kVAr 440V 50Hz	7.5	3	MEHVCGSF075A44	3133
MPP - Gas Heavy Duty Can 3Ph 10kVAr 440V 50Hz	10	1	MEHVCGSF100A44	3865
MPP - Gas Heavy Duty Can 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVCGSF125A44	4829
MPP - Gas Heavy Duty Can 3Ph 15kVAr 440V 50Hz	15	1	MEHVCGSF150A44	5793
MPP - Gas Heavy Duty Can 3Ph 20kVAr 440V 50Hz	20	1	MEHVCGSF200A44	9046
MPP - Gas Heavy Duty Can 3Ph 25kVAr 440V 50Hz	25	1	MEHVCGSF250A44	9657
MPP - Gas Heavy Duty Can 3Ph 30kVAr 440V 50Hz	30	1	MEHVCGSF300A44	11583
MPP - Gas Heavy Duty Can 3Ph 40kVAr 440V 50Hz (Single unit with IP00)	40	1	MEHVCGSF400A44	14995
MPP - Gas Heavy Duty Can 3Ph 50kVAr 440V 50Hz (Single unit with IP00)	50	1	MEHVCGSF500A44	18741

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Power Factor Correction Products



## VarPlus Box

- **Performance:** high performance and flexibility
- **Product range:** 5-50 kvar from 440V-525V
- **Product compliance:** IEC 60831 Part 1-2014 and 2 -2014 compliant, **BIS Certified**, CE, CQC, UL, ASTA, Rohs and Green Premium
- **Type tested:** from LCIE France and ASTA Intertek
- **Temperature class:** +50°C for VarPlus Box APP, Class D (60°C for VarPlus Xtreme Box, 70°C for MD-XL)
- **Reliability:** self healing, unique 3-phase disconnection mechanism with pressure sensitive disconnection (PSD)
- **Robust design:** Steel enclosure, resin as coolant - better than gas
- **Enhanced life:** 150K hours with better current handling capacity due to wave cut films with slope metalization

## Box (Square) Type 440V Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
<b>VarPlus Box Xtreme H Duty 440V Range</b>				
MPP - Xtreme Heavy Duty Box 3Ph 5kVAr 440V 50Hz	5	1	MEHVBHDY050A44 <input checked="" type="checkbox"/>	2616
MPP - Xtreme Heavy Duty Box 3Ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBHDY075A44	3922
MPP - Xtreme Heavy Duty Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBHDY100A44 <input checked="" type="checkbox"/>	4489
MPP - Xtreme Heavy Duty Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBHDY125A44	5593
MPP - Xtreme Heavy Duty Box 3Ph 15kVAr 440V 50Hz	15	1	MEHVBHDY150A44 <input checked="" type="checkbox"/>	6711
MPP - Xtreme Heavy Duty Box 3Ph 20kVAr 440V 50Hz	20	1	MEHVBHDY200A44 <input checked="" type="checkbox"/>	8989
MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 440V 50Hz	25	1	MEHVBHDY250A44 <input checked="" type="checkbox"/>	11237
MPP - Xtreme Heavy Duty Box 3Ph 30kVAr 440V 50Hz	30	1	MEHVBHDY300A44	13419
<b>VarPlus Box Energy (MD-XL) 440V Range</b>				
Energy - MD-XL Box 3Ph 5kVAr 440V 50 Hz	5	1	MEHVBENY050A44 <input checked="" type="checkbox"/>	4251
Energy - MD-XL Box 3Ph 7.5kVAr 440V 50 Hz	7.5	1	MEHVBENY075A44	6438
Energy - MD-XL Box 3Ph 10kVAr 440V 50 Hz	10	1	MEHVBENY100A44 <input checked="" type="checkbox"/>	8118
Energy - MD-XL Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBENY125A44	10153
Energy - MD-XL Box 3Ph 15kVAr 440V 50 Hz	15	1	MEHVBENY150A44 <input checked="" type="checkbox"/>	12164
Energy - MD-XL Box 3Ph 20kVAr 440V 50 Hz	20	1	MEHVBENY200A44 <input checked="" type="checkbox"/>	16218
Energy - MD-XL Box 3Ph 25kVAr 440V 50 Hz	25	1	MEHVBENY250A44 <input checked="" type="checkbox"/>	20304
<b>VarPlus Box APP 440V Range</b>				
APP - Box 3Ph 5kVAr 440V 50Hz	5	1	MEHVBAPP050A44 <input checked="" type="checkbox"/>	3866
APP - Box 3Ph 7.5kVAr 440V 50Hz	7.5	1	MEHVBAPP075A44 <input checked="" type="checkbox"/>	5800
APP - Box 3Ph 10kVAr 440V 50Hz	10	1	MEHVBAPP100A44 <input checked="" type="checkbox"/>	6784
APP - Box 3Ph 12.5kVAr 440V 50Hz	12.5	1	MEHVBAPP125A44 <input checked="" type="checkbox"/>	8482
APP - Box 3Ph 15kVAr 440V 50Hz	15	1	MEHVBAPP150A44 <input checked="" type="checkbox"/>	10179
APP - Box 3Ph 20kVAr 440V 50Hz	20	1	MEHVBAPP200A44 <input checked="" type="checkbox"/>	13572
APP - Box 3Ph 25kVAr 440V 50Hz	25	1	MEHVBAPP250A44 <input checked="" type="checkbox"/>	16965
APP - Box 3Ph 30kVAr 440V 50Hz	30	1	MEHVBAPP300A44	20394

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

# Power Factor Correction Products



## Detuned Filter Application Capacitors

Description	kVAR Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
<b>* Capacitors for 7%/5.7% , 440V Detuned Filter Application</b>				
<b>VarPlus Can (H Duty) 480V Range</b>				
MPP - Heavy Duty Can 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVCHDY056A48 <input checked="" type="checkbox"/>	2229
MPP - Heavy Duty Can 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVCHDY067A48	2668
MPP - Heavy Duty Can 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVCHDY113A48 <input checked="" type="checkbox"/>	4217
MPP - Heavy Duty Can 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVCHDY125A48	4665
MPP - Heavy Duty Can 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVCHDY144A48	5380
MPP - Heavy Duty Can 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVCHDY155A48	5790
MPP - Heavy Duty Can 3Ph 17kVAr 480V 50Hz	17	1	MEHVCHDY170A48 <input checked="" type="checkbox"/>	6353
MPP - Heavy Duty Can 3Ph 19kVAr 480V 50Hz	19	1	MEHVCHDY190A48	7100
MPP - Heavy Duty Can 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVCHDY224A48 <input checked="" type="checkbox"/>	8369
MPP - Heavy Duty Can 3Ph 25kVAr 480V 50Hz	25	1	MEHVCHDY250A48 <input checked="" type="checkbox"/>	9342
MPP - Heavy Duty Can 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVCHDY281A48 <input checked="" type="checkbox"/>	10490
MPP - Heavy Duty Can 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVCHDY315A48 <input checked="" type="checkbox"/>	11760
<b>VarPlus Can (GH Duty) 480V Range</b>				
MPP - GasHeavy Duty Can 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVCGSF056A48 <input checked="" type="checkbox"/>	2340
MPP - GasHeavy Duty Can 3Ph 6.7kVAr 480V 50Hz	6.7	1	MEHVCGSF067A48	2800
MPP - GasHeavy Duty Can 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVCGSF113A48 <input checked="" type="checkbox"/>	4362
MPP - GasHeavy Duty Can 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVCGSF125A48	4825
MPP - GasHeavy Duty Can 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVCGSF144A48	5656
MPP - GasHeavy Duty Can 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVCGSF155A48	5984
MPP - GasHeavy Duty Can 3Ph 17kVAr 480V 50Hz	17	1	MEHVCGSF170A48 <input checked="" type="checkbox"/>	6564
MPP - GasHeavy Duty Can 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVCGSF224A48 <input checked="" type="checkbox"/>	8648
MPP - GasHeavy Duty Can 3Ph 25kVAr 480V 50Hz	25	1	MEHVCGSF250A48 <input checked="" type="checkbox"/>	9651
MPP - GasHeavy Duty Can 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVCGSF281A48 <input checked="" type="checkbox"/>	10888
MPP - GasHeavy Duty Can 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVCGSF315A48 <input checked="" type="checkbox"/>	12206
<b>VarPlus Box Xtreme H Duty 480V Range <span style="background-color: green; color: white; padding: 2px;">New</span></b>				
MPP - Xtreme Heavy Duty Box 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVBHDY056A48	2929
MPP - Xtreme Heavy Duty Box 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVBHDY113A48 <input checked="" type="checkbox"/>	5054
MPP - Xtreme Heavy Duty Box 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVBHDY144A48	6533
MPP - Xtreme Heavy Duty Box 3Ph 17kVAr 480V 50Hz	17	1	MEHVBHDY170A48	7601
MPP - Xtreme Heavy Duty Box 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVBHDY224A48	9978
MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 480V 50Hz	25	1	MEHVBHDY250A48 <input checked="" type="checkbox"/>	11140
MPP - Xtreme Heavy Duty Box 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVBHDY281A48 <input checked="" type="checkbox"/>	12580
MPP - Xtreme Heavy Duty Box 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVBHDY315A48	14033
<b>VarPlus Box Energy (MD-XL) 480V Range</b>				
Energy - MD-XL Box 3Ph 5.6kVAr 480V 50 Hz	5.6	1	MEHVBENY056A48	4756
Energy - MD-XL Box 3Ph 6.7kVAr 480V 50 Hz	6.7	1	MEHVBENY067A48	5746
Energy - MD-XL Box 3Ph 11.3kVAr 480V 50 Hz	11.3	1	MEHVBENY113A48 <input checked="" type="checkbox"/>	9171
Energy - MD-XL Box 3Ph 14.4kVAr 480V 50 Hz	14.4	1	MEHVBENY144A48	11694
Energy - MD-XL Box 3Ph 15.5kVAr 480V 50 Hz	15.5	1	MEHVBENY155A48	12709
Energy - MD-XL Box 3Ph 17kVAr 480V 50 Hz	17	1	MEHVBENY170A48	13806
Energy - MD-XL Box 3Ph 22.4kVAr 480V 50 Hz	22.4	1	MEHVBENY224A48	18193
Energy - MD-XL Box 3Ph 25.0kVAr 480V 50 Hz	25	1	MEHVBENY250A48	20312
Energy - MD-XL Box 3Ph 28.1kVAr 480V 50 Hz	28.1	1	MEHVBENY281A48 <input checked="" type="checkbox"/>	22831

\* Refer to Selection chart for Reactors & Capacitors available on page 283

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

NORMAL STOCK ITEMS

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# Power Factor Correction Products



## Detuned Filter Application Capacitors

Description	kVar Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
<b>VarPlus Box APP 480V Range</b>				
APP - Box 3Ph 5.6kVAr 480V 50Hz	5.6	1	MEHVBAPP056A48 <input checked="" type="checkbox"/>	4324
APP - Box 3Ph 11.3kVAr 480V 50Hz	11.3	1	MEHVBAPP113A48 <input checked="" type="checkbox"/>	7678
APP - Box 3Ph 12.5kVAr 480V 50Hz	12.5	1	MEHVBAPP125A48	8494
APP - Box 3Ph 14.4kVAr 480V 50Hz	14.4	1	MEHVBAPP144A48	9785
APP - Box 3Ph 15.5kVAr 480V 50Hz	15.5	1	MEHVBAPP155A48	10520
APP - Box 3Ph 17kVAr 480V 50Hz	17	1	MEHVBAPP170A48	11566
APP - Box 3Ph 22.4kVAr 480V 50Hz	22.4	1	MEHVBAPP224A48 <input checked="" type="checkbox"/>	15239
APP - Box 3Ph 25kVAr 480V 50Hz	25	1	MEHVBAPP250A48 <input checked="" type="checkbox"/>	16969
APP - Box 3Ph 28.1kVAr 480V 50Hz	28.1	1	MEHVBAPP281A48 <input checked="" type="checkbox"/>	19071
APP - Box 3Ph 31.5kVAr 480V 50Hz	31.5	1	MEHVBAPP315A48	21380
<b>* Capacitors for 7%/ 5.7%/ 14% , 440V Filter Application</b>				
<b>VarPlus Can (H Duty) 525V Range</b>				
MPP - Heavy Duty Can 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVCHDY069A52 <input checked="" type="checkbox"/>	2750
MPP - Heavy Duty Can 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVCHDY125A52 <input checked="" type="checkbox"/>	4668
MPP - Heavy Duty Can 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVCHDY138A52 <input checked="" type="checkbox"/>	5154
MPP - Heavy Duty Can 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVCHDY154A52 <input checked="" type="checkbox"/>	5750
MPP - Heavy Duty Can 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVCHDY172A52	6426
MPP - Heavy Duty Can 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVCHDY185A52	6909
MPP - Heavy Duty Can 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVCHDY206A52 <input checked="" type="checkbox"/>	7693
MPP - Heavy Duty Can 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVCHDY226A52	8441
MPP - Heavy Duty Can 3Ph 25kVAr 525V 50Hz	25	1	MEHVCHDY250A52 <input checked="" type="checkbox"/>	9341
MPP - Heavy Duty Can 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVCHDY275A52	10274
MPP - Heavy Duty Can 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVCHDY306A52 <input checked="" type="checkbox"/>	11431
MPP - Heavy Duty Can 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVCHDY331A52 <input checked="" type="checkbox"/>	12414
MPP-Heavy Duty Can 3Ph 37.7 kVAr 525V 50Hz	37.7	1	MEHVCHDY377A52 <input checked="" type="checkbox"/>	14071
<b>VarPlus Can (GH Duty) 525V Range</b>				
MPP - GasHeavy Duty Can 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVCGSF069A52	2891
MPP - GasHeavy Duty Can 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVCGSF125A52	4841
MPP - GasHeavy Duty Can 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVCGSF138A52	5344
MPP - GasHeavy Duty Can 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVCGSF154A52	5925
MPP - GasHeavy Duty Can 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVCGSF172A52	6669
MPP - GasHeavy Duty Can 3Ph 18.5kVAr 525V 50Hz	18.5	1	MEHVCGSF185A52	7134
MPP - GasHeavy Duty Can 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVCGSF206A52 <input checked="" type="checkbox"/>	7986
MPP - GasHeavy Duty Can 3Ph 25kVAr 525V50Hz	25	1	MEHVCGSF250A52	9685
MPP - GasHeavy Duty Can 3Ph 27.5kVAr 525V50Hz	27.5	1	MEHVCGSF275A52	10663
MPP - GasHeavy Duty Can 3Ph 30.6kVAr 525V50Hz	30.6	1	MEHVCGSF306A52	11862
MPP - GasHeavy Duty Can 3Ph 33.1kVAr 525V50Hz	33.1	1	MEHVCGSF331A52 <input checked="" type="checkbox"/>	12833
MPP - GasHeavy Duty Can 3Ph 37.7kVAr 525V50Hz	37.7	1	MEHVCGSF377A52	14586

\* Refer to Selection chart for Reactors & Capacitors available on page 283

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

NORMAL STOCK ITEMS

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# Power Factor Correction Products



## Detuned Filter Application Capacitors

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP
<b>VarPlus Box Xtreme H Duty 525V Range <span style="color: green; font-weight: bold;">New</span></b>				
MPP - Xtreme Heavy Duty Box 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVBHDY069A52	3082
MPP - Xtreme Heavy Duty Box 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVBHDY125A52	5573
MPP - Xtreme Heavy Duty Box 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVBHDY138A52	6163
MPP - Xtreme Heavy Duty Box 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVBHDY172A52	7932
MPP - Xtreme Heavy Duty Box 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVBHDY206A52	9202
MPP - Xtreme Heavy Duty Box 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVBHDY226A52	10391
MPP - Xtreme Heavy Duty Box 3Ph 25kVAr 525V 50Hz	25	1	MEHVBHDY250A52	11183
MPP - Xtreme Heavy Duty Box 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVBHDY275A52	12294
MPP - Xtreme Heavy Duty Box 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVBHDY306A52	13637
MPP - Xtreme Heavy Duty Box 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVBHDY331A52	14872
MPP - Xtreme Heavy Duty Box 3Ph 37.7kVAr 525V 50Hz	37.7	1	MEHVBHDY377A52	16800
<b>VarPlus Box Energy (MD - XL) 525V Range</b>				
Energy - MD-XL Box 3Ph 6.9kVAr 525V 50 Hz	6.9	1	MEHVBENY069A52	5860
Energy - MD-XL Box 3Ph 12.5kVAr 525V 50 Hz	12.5	1	MEHVBENY125A52	10239
Energy - MD-XL Box 3Ph 13.8kVAr 525V 50 Hz	13.8	1	MEHVBENY138A52	11209
Energy - MD-XL Box 3Ph 15.4kVAr 525V 50 Hz	15.4	1	MEHVBENY154A52	12616
Energy - MD-XL Box 3Ph 20.6kVAr 525V 50 Hz	20.6	1	MEHVBENY206A52	16707
Energy - MD-XL Box 3Ph 22.6kVAr 525V 50 Hz	22.6	1	MEHVBENY226A52	18488
Energy - MD-XL Box 3Ph 25kVAr 525V 50 Hz	25	1	MEHVBENY250A52	20290
Energy - MD-XL Box 3Ph 27.5kVAr 525V 50 Hz	27.5	1	MEHVBENY275A52	22510
Energy - MD-XL Box 3Ph 30.6kVAr 525V 50 Hz	30.6	1	MEHVBENY306A52	24824
Energy - MD-XL Box 3Ph 33.1kVAr 525V 50 Hz	33.1	1	MEHVBENY331A52	26840
Energy - MD-XL Box 3Ph 37.7kVAr 525V 50 Hz	37.7	1	MEHVBENY377A52	30874
<b>VarPlus Box APP 525V Range</b>				
APP - Box 3Ph 6.9kVAr 525V 50Hz	6.9	1	MEHVBAPP069A52	5328
APP - Box 3Ph 12.5kVAr 525V 50Hz	12.5	1	MEHVBAPP125A52	8483
APP - Box 3Ph 13.8kVAr 525V 50Hz	13.8	1	MEHVBAPP138A52	9361
APP - Box 3Ph 15.4kVAr 525V 50Hz	15.4	1	MEHVBAPP154A52	10447
APP - Box 3Ph 17.2kVAr 525V 50Hz	17.2	1	MEHVBAPP172A52	11691
APP - Box 3Ph 20.6kVAr 525V 50Hz	20.6	1	MEHVBAPP206A52	13982
APP - Box 3Ph 22.6kVAr 525V 50Hz	22.6	1	MEHVBAPP226A52	15515
APP - Box 3Ph 25kVAr 525V 50Hz	25	1	MEHVBAPP250A52	16971
APP - Box 3Ph 27.5kVAr 525V 50Hz	27.5	1	MEHVBAPP275A52	18666
APP - Box 3Ph 30.6kVAr 525V 50Hz	30.6	1	MEHVBAPP306A52	21009
APP - Box 3Ph 33.1kVAr 525V 50Hz	33.1	1	MEHVBAPP331A52	22465
APP - Box 3Ph 37.7kVAr 525V 50Hz	37.7	1	MEHVBAPP377A52	25884

Refer to Selection chart for Reactors & Capacitors available on page 283

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

NORMAL STOCK ITEMS

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# VarPlus MAX Detuned Reactors

MAXimize Efficiency  
MAXimize Savings




# PFC - Detuned Reactors



## VarPlus Max Detuned Reactor

- **Performance:** Designed to operate at a stringent harmonic spectrum as per IEEE 519
- **Offer configuration:** 6.5 - 100 kvar, 440V
- **Product range:** single footprint from 6.5 - 100 kvar
- **Product compliance:** Compliant to IEC 60076-6
- **Type tested:** certified by CPRI
- **Temperature class:** Class H for insulation  $\leq 180^{\circ}\text{C}$
- **Reliability:** Conductor design, designed as per maximum permissible current ( $I_{mp}$ )
- **Safety:** Built-in thermal protection

## Detuned Reactor 440V Range

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP 
<b>VarPlus MAX Detuned Reactor 5.7%, 440V Range</b>				
VarPlus MAX AL Detuned reactor 5 kVAr 440V 5.7 % 50Hz	5	1	LVR05050A44LO	10887
VarPlus MAX AL Detuned reactor 10 kVAr 440V 5.7 % 50Hz	10	1	LVR05100A44LO	15737
VarPlus MAX AL Detuned reactor 12.5 kVAr 440V 5.7 % 50Hz	12.5	1	LVR05125A44LO	17996
VarPlus MAX AL Detuned reactor 15 kVAr 440V 5.7 % 50Hz	15	1	LVR05150A44LO	19730
VarPlus MAX AL Detuned reactor 20 kVAr 440V 5.7 % 50Hz	20	1	LVR05200A44LO	20941
VarPlus MAX AL Detuned reactor 25 kVAr 440V 5.7 % 50Hz	25	1	LVR05250A44LO	21638
VarPlus MAX AL Detuned reactor 50 kVAr 440V 5.7 % 50Hz	50	1	LVR05500A44LO	32375
VarPlus MAX AL Detuned reactor 100 kVAr 440V 5.7 % 50Hz	100	1	LVR05X00A44LO	65686
<b>VarPlus MAX Detuned Reactor 7%, 440V Range</b>				
VarPlus MAX AL Detuned reactor 5 kVAr 440V 7% 50Hz	5	1	LVR07050A44LO <input checked="" type="checkbox"/>	9406
VarPlus MAX AL Detuned reactor 10 kVAr 440V 7% 50Hz	10	1	LVR07100A44LO <input checked="" type="checkbox"/>	13594
VarPlus MAX AL Detuned reactor 12.5 kVAr 440V 7% 50Hz	12.5	1	LVR07125A44LO <input checked="" type="checkbox"/>	15544
VarPlus MAX AL Detuned reactor 15 kVAr 440V 7% 50Hz	15	1	LVR07150A44LO <input checked="" type="checkbox"/>	16483
VarPlus MAX AL Detuned reactor 20 kVAr 440V 7% 50Hz	20	1	LVR07200A44LO <input checked="" type="checkbox"/>	17495
VarPlus MAX AL Detuned reactor 25 kVAr 440V 7% 50Hz	25	1	LVR07250A44LO <input checked="" type="checkbox"/>	17502
VarPlus MAX AL Detuned reactor 50 kVAr 440V 7% 50Hz	50	1	LVR07500A44LO <input checked="" type="checkbox"/>	27027
VarPlus MAX AL Detuned reactor 75 kVAr 440V 7% 50Hz	75	1	LVR07750A44LO <input checked="" type="checkbox"/>	42155
VarPlus MAX AL Detuned reactor 100 kVAr 440V 7% 50Hz	100	1	LVR07X00A44LO <input checked="" type="checkbox"/>	54602
<b>VarPlus MAX Detuned Reactor 14%, 440V Range</b>				
VarPlus MAX AL Detuned reactor 10 kVAr 440V 14 % 50Hz	10	1	LVR14100A44LO	14605
VarPlus MAX AL Detuned reactor 15 kVAr 440V 14 % 50Hz	15	1	LVR14150A44LO	25163
VarPlus MAX AL Detuned reactor 25 kVAr 440V 14 % 50Hz	25	1	LVR14250A44LO <input checked="" type="checkbox"/>	26763
VarPlus MAX AL Detuned reactor 50 kVAr 440V 14 % 50Hz	50	1	LVR14500A44LO <input checked="" type="checkbox"/>	44640
VarPlus MAX AL Detuned reactor 100 kVAr 440V 14 % 50Hz	100	1	LVR14X00A44LO	92315

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021





# Introducing VarPlus MAX Copper Wound Reactors



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


# Copper Wound Detuned Reactor



## VarPlus Max Copper Detuned Reactors

- **MAXimize your selection**
  - Wide range available in Copper windings.
- **MAXimize your OPEX optimization**
  - Up to 30% lower losses to reduce your OPEX
- **MAXimize your thermal efficiency**
  - Up to 20% lower working temperatures
- **MAXimize your operational efficiency**
  - Design current up to 1.3 x Rated Current
  - Saturation current limit up to 2.0 x Rated Current
  - Designed for Harsh environments (Maximum voltage harmonic limit up to 9%)

## Copper Wound Detuned Reactor 440V Range

Description	kVAr Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP 
<b>Varplus Copper Detuned Reactor 5.7%, 440V Range</b>				
DetunedReactor CU 5kVAr 440V 5.7% 50Hz	5	1	LVR05050A44CU	12190
DetunedReactor CU 10kVAr 440V 5.7% 50Hz	10	1	LVR05100A44CU	18386
DetunedReactor CU 12.5kVAr 440V 5.7% 50Hz	12.5	1	LVR05125A44CU	22778
DetunedReactor CU 15kVAr 440V 5.7% 50Hz	15	1	LVR05150A44CU	26010
DetunedReactor CU 20kVAr 440V 5.7% 50Hz	20	1	LVR05200A44CU	27608
DetunedReactor CU 25kVAr 440V 5.7% 50Hz	25	1	LVR05250A44CU	27743
DetunedReactor CU 50kVAr 440V 5.7% 50Hz	50	1	LVR05500A44CU	46391
DetunedReactor CU 100kVAr 440V 5.7% 50Hz	100	1	LVR05X00A44CU	86595
<b>Varplus Copper Detuned Reactor 7%, 440V Range</b>				
DetunedReactor CU 5kVAr 440V 7% 50Hz	5	1	LVR07050A44CU	10686
DetunedReactor CU 10kVAr 440V 7% 50Hz	10	1	LVR07100A44CU	17460
DetunedReactor CU 12.5kVAr 440V 7% 50Hz	12.5	1	LVR07125A44CU	19907
DetunedReactor CU 15kVAr 440V 7% 50Hz	15	1	LVR07150A44CU	21170
DetunedReactor CU 20kVAr 440V 7% 50Hz	20	1	LVR07200A44CU	22472
DetunedReactor CU 25kVAr 440V 7% 50Hz	25	1	LVR07250A44CU	25905
DetunedReactor CU 50kVAr 440V 7% 50Hz	50	1	LVR07500A44CU	44060
DetunedReactor CU 100kVAr 440V 7% 50Hz	100	1	LVR07X00A44CU	80920
<b>Varplus Copper Detuned Reactor 14%, 440V Range</b>				
DetunedReactor CU 10kVAr 440V 14% 50Hz	10	1	LVR14100A44CU	21330
DetunedReactor CU 15kVAr 440V 14% 50Hz	15	1	LVR14150A44CU	31361
DetunedReactor CU 25kVAr 440V 14% 50Hz	25	1	LVR14250A44CU	41492
DetunedReactor CU 50kVAr 440V 14% 50Hz	50	1	LVR14500A44CU	69210
DetunedReactor CU 100kVAr 440V 14% 50Hz	100	1	LVR14X00A44CU	121701

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021

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

Effective kVAr output of Detuned Filter @ 440V	Selection of 480V capacitors for 7%/ 5.7% detuned Reactor for 440V	Selection of 525V capacitors for 7%/ 5.7% detuned Reactor for 440V	Selection of 525V capacitors for 14% detuned Reactor for 440V
5	5kVAr 7%/5.7% Reactor + 5.6kVAr, 480V Capacitor	5kVAr 7%/5.7% Reactor + 6.9kVAr, 525V Capacitor	5kVAr 14% Reactor + 6.9kVAr, 525V Capacitor
10	10kVAr 7%/5.7% Reactor + 11.3kVAr, 480V Capacitor	10kVAr 7%/5.7% Reactor + 13.8kVAr, 525V Capacitor	10kVAr 14% Reactor + 12.5kVAr, 525V Capacitor
12.5	12.5kVAr 7%/5.7% Reactor + 14.4kVAr, 480V Capacitor	12.5kVAr 7%/5.7% Reactor + 17.2kVAr, 525V Capacitor	12.5kVAr 14% Reactor + 15.4kVAr, 525V Capacitor
15	15kVAr 7%/5.7% Reactor + 17kVAr, 480V Capacitor	15kVAr 7%/5.7% Reactor + 20.6kVAr, 525V Capacitor	15kVAr 14% Reactor + 18.5kVAr, 525V Capacitor
20	20kVAr 7%/5.7% Reactor + 22.4kVAr, 480V Capacitor	20kVAr 7%/5.7% Reactor + 27.5kVAr, 525V Capacitor	20kVAr 14% Reactor + 25kVAr, 525V Capacitor
25	25kVAr 7%/5.7% Reactor + 28.1kVAr, 480V Capacitor	25kVAr 7%/5.7% Reactor + 33.1kVAr, 525V Capacitor	25kVAr 14% Reactor + 30.6kVAr, 525V Capacitor
50	50kVAr 7%/5.7% Reactor + 2 x 28.1kVAr, 480V Capacitor	50kVAr 7%/5.7% Reactor + 2 x 33.1kVAr, 525V Capacitor	50kVAr 14% Reactor + 2 x 30.6kVAr, 525V Capacitor
75	75kVAr 7%/5.7% Reactor + 3 x 28.1kVAr, 480V Capacitor	75kVAr 7%/5.7% Reactor + 3 x 33.1kVAr, 525V Capacitor	75kVAr 14% Reactor + 3 x 30.6kVAr, 525V Capacitor
100	100kVAr 7%/5.7% Reactor + 4 x 28.1kVAr, 480V Capacitor	100kVAr 7%/5.7% Reactor + 4 x 33.1kVAr, 525V Capacitor	100kVAr 14% Reactor + 4 x 30.6kVAr, 525V Capacitor

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021





# VarPlus Logic APFC relay



- Automatic Initialization & sequence detection
- Measurement of Step kVAr & THDv up to 19th
- RS485 port as default feature
- 4 Quadrant measurement
- Dual Cos phi settings for two source operation

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

# Power Factor Correction Products



## APFC Relays

Description	No. of Step	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
<b>Varlogic APFC Relays - Classic Range</b>				
RT6 , 6 step, 440V, 5A	6	1	51207 <input checked="" type="checkbox"/>	15327
RT8 , 8 step, 440V, 5A	8	1	51209 <input checked="" type="checkbox"/>	19866
RT12 , 12 step, 440V, 5A	12	1	51213 <input checked="" type="checkbox"/>	23047
<b>VarPlus Logic APFC Relays - Advanced Range</b>				
VPL06, 6 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485	6	1	VPL06N <input checked="" type="checkbox"/>	34143
VPL12, 12 step LCD Display , 90V - 550V 50/60Hz 1A/5A with RS485	12	1	VPL12N <input checked="" type="checkbox"/>	36867

## Capacitor Duty Contactor



Nominal Reactive Power 440V	Auxiliary Contacts	Reference	Unit MRP [₹]
<b>LC1-D•K - with Damping Resistors &amp; Block of Early Make poles</b>			
12.5 KVAR	1NO + 2NC	LC1DFK*	3375
16.7 KVAR	1NO + 2NC	LC1DGK*	4740
20 KVAR	1NO + 2NC	LC1DLK*	5325
25 KVAR	1NO + 2NC	LC1DMK*	5840
32 KVAR	1 NO + 2NC	LC1DPK*	12720
40 KVAR	1NO + 2NC	LC1DTK*	17525
60 KVAR	1NO + 2NC	LC1DWK12*	19730

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

\* Reference to be completed by adding coil voltage code

### \* Coil Voltage Code

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

**Note:** (1) For non standard coil voltage prices please consult customer care.

(2) It is recommended to check availability with Customer Care team.

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



Go  
**DIGITAL**  
with your  
power factor correction



PowerLogic™ VarSet Smart: A new, IoT-connected innovation for realtime power factor control

#WhatsYourBoldIdea

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# Power Factor Correction Equipment - VarSet



## Reliable

- > Achieves Target set PF
- > Reduces demand kVA
- > Eliminates PF Penalty
- > Specify what exactly it means
- > Fuel savings in DG

## Safe

- > Burst proof capacitors
- > Detuned Reactors- No Harmonic Amplification
- > Minimum switching transient

## Embedded Intelligence

- > Auto start, Auto detection, Auto polarity check, Auto c/k
- > Thermal intelligence
- > Harmonic intelligence
- > Asset management and performance
- > PQ Disturbance detection (Optional)

## Digitize

- > Flexible to move to connected world
- > Web page monitor facility through Schneider Gateway devices (Optional)
- > Seam less integration with PME, PSE

## Quality of construction

- > Compliance to and which Indian Standards
- > Stringent quality control measures
- > Best Engineering practices
- > Best thermal design for heat dissipation



ISO 9001 ISO 14001  
ISO 50001



IGBC Green building  
Gold medal



IEC



RoHS



REACH



Indian Standards

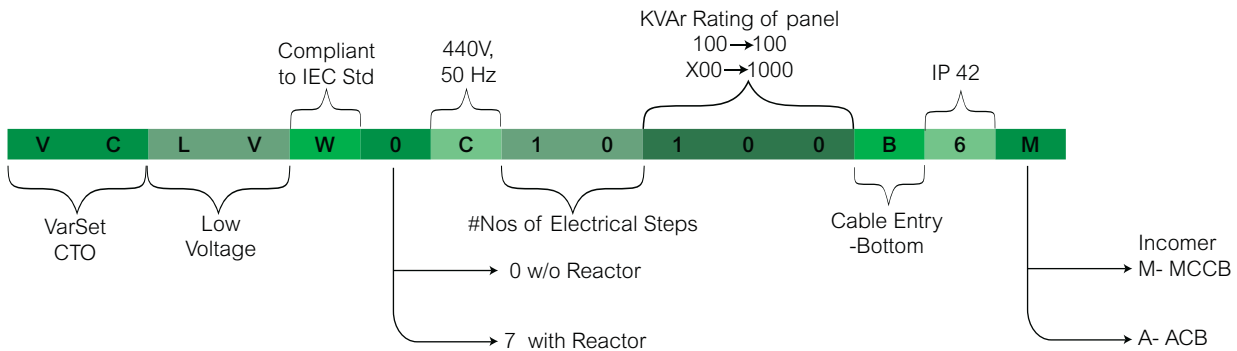
# Power Factor Correction Equipment - VarSet

## VarSet LV APFC panels without reactors



Panel Ratings	Step Configuration in kVAr	Cat Reference No.	Dimensions (in mm) W x D x H	Unit MRP [₹]
<b>Incomer MCCB</b>				
100	3x10kVAr + 1x20kVAr + 1x50kVAr	VCLVW0C10100B6M	800 x 800 x 2325	On Request
125	2x12.5kVAr + 2x25kVAr + 1x50kVAr	VCLVW0C10125B6M	800 x 800 x 2325	On Request
150	2x12.5kVAr + 1x25kVAr + 2x50kVAr	VCLVW0C12150B6M	800 x 800 x 2325	On Request
200	2x12.5kVAr + 1x25kVAr + 3x50kVAr	VCLVW0C16200B6M	800 x 800 x 2325	On Request
250	2x12.5kVAr + 1x25kVAr + 4x50kVAr	VCLVW0C20250B6M	1200 x 800 x 2325	On Request
300	2x12.5kVAr + 1x25kVAr + 5x50kVAr	VCLVW0C24300B6M	1200 x 800 x 2325	On Request
350	2x12.5kVAr + 1x25kVAr + 6x50kVAr	VCLVW0C28350B6M	1200 x 800 x 2325	On Request
400	2x25kVAr + 3x50kVAr + 2x100kVAr	VCLVW0C16400B6M	1200 x 800 x 2325	On Request
500	2x25kVAr + 3x50kVAr + 3x100kVAr	VCLVW0C20500B6M	1200 x 800 x 2325	On Request
<b>Incomer ACB</b>				
500	2x25kVAr + 3x50kVAr + 3x100kVAr	VCLVW0C20500B6A	1200 x 800 x 2325	On Request
600	2x25kVAr + 3x50kVAr + 4x100kVAr	VCLVW0C24600B6A	1400 x 800 x 2325	On Request
700	2x25kVAr + 3x50kVAr + 5x100kVAr	VCLVW0C28700B6A	1400 x 800 x 2325	On Request
750	2x25kVAr + 4x50kVAr + 5x100kVAr	VCLVW0C30750B6A	1400 x 800 x 2325	On Request
800	2x25kVAr + 3x50kVAr + 6x100kVAr	VCLVW0C32800B6A	2000 x 800 x 2325	On Request
900	2x25kVAr + 3x50kVAr + 7x100kVAr	VCLVW0C36900B6A	2000 x 800 x 2325	On Request
1000	2x25kVAr + 1x50kVAr + 9x100kVAr	VCLVW0C40X00B6A	2000 x 800 x 2325	On Request

## Cat Reference Creation



<b>Product offer:</b> VarSet LV APFC panels with 7% / without Reactors  Ratings = 100kVAr to 1000kVAr Capacitor = MPP HD Can 440/480V, with 3ph simultaneous PSD	<b>General Features:</b> System voltage = 440V Frequency = 50Hz Phase = 3 Design = Modular IP = IP42 Switching = Random	<b>Incomer:</b> Upto 350kVAr = MCCB, 36kA From 350 to 500kVAr = MCCB, 50kA From 500 to 1000kVAr = ACB, 65kA Step protection = MCCBs, 36kA	<b>Switching:</b> Capacitor duty Contactor - without Reactor design Power Contactors - with Reactor design
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Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS


W.E.F. January 11, 2021



# Power Factor Correction Equipment - VarSet

## VarSet LV APFC panels with 7% reactors



Panel Ratings	Step Configuration in kVAr	Cat Reference No.	Dimensions (in mm) W x D x H	Unit MRP 
<b>Incomer MCCB</b>				
100	3x10kVAr + 1x20kVAr + 1x50kVAr	VCLVW7C10100B6M	1200 x 800 x 2325	On Request
125	2x12.5kVAr + 2x25kVAr + 1x50kVAr	VCLVW7C10125B6M	1200 x 800 x 2325	On Request
150	2x12.5kVAr + 1x25kVAr + 2x50kVAr	VCLVW7C12150B6M	1200 x 800 x 2325	On Request
200	2x12.5kVAr + 1x25kVAr + 3x50kVAr	VCLVW7C16200B6M	1200 x 800 x 2325	On Request
250	2x12.5kVAr + 1x25kVAr + 4x50kVAr	VCLVW7C20250B6M	1800 x 800 x 2325	On Request
300	2x12.5kVAr + 1x25kVAr + 5x50kVAr	VCLVW7C24300B6M	1800 x 800 x 2325	On Request
350	2x12.5kVAr + 1x25kVAr + 6x50kVAr	VCLVW7C28350B6M	1800 x 800 x 2325	On Request
400	2x25kVAr + 3x50kVAr + 2x100kVAr	VCLVW7C16400B6M	1800 x 800 x 2325	On Request
500	2x25kVAr + 3x50kVAr + 3x100kVAr	VCLVW7C20500B6M	1800 x 800 x 2325	On Request
<b>Incomer ACB</b>				
500	2x25kVAr + 3x50kVAr + 3x100kVAr	VCLVW7C20500B6A	1800 x 800 x 2325	On Request
600	2x25kVAr + 3x50kVAr + 4x100kVAr	VCLVW7C24600B6A	2200 x 800 x 2325	On Request
700	2x25kVAr + 3x50kVAr + 5x100kVAr	VCLVW7C28700B6A	2200 x 800 x 2325	On Request
750	2x25kVAr + 4x50kVAr + 5x100kVAr	VCLVW7C30750B6A	2200 x 800 x 2325	On Request
800	2x25kVAr + 3x50kVAr + 6x100kVAr	VCLVW7C32800B6A	3200 x 800 x 2325	On Request
900	2x25kVAr + 3x50kVAr + 7x100kVAr	VCLVW7C36900B6A	3200 x 800 x 2325	On Request
1000	2x25kVAr + 1x50kVAr + 9x100kVAr	VCLVW7C40X00B6A	3200 x 800 x 2325	On Request

**Note:**

VarSet prices will be On Request


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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021



# Accusine PCS+

- All in one: Harmonics, PF, Load unbalance, Flicker
- Fully selectable harmonics: 2<sup>nd</sup> to 50<sup>th</sup>
- Flexible CT connection: Load side/ source side
- Suitable to work in Harsh environment including marine application
- Parallel connection up to 99 units - any combination of models
- Standards compliance / certification:  (UL508, CSA 22.2 No.14) CE Certified
- PCBA Protection - conformal coating on all PCBAs pollution Degree 2

## Industry segment



Heavy Industry



Oil & Gas (on/off shore)



Marine



Water Wastewater



Processing plants



Mining

## Infrastructure & Building segment



Nuclear plants



Airport



HVAC



Healthcare

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





# Accusine PCSn

## Discover the new AccuSine PCSn

Your 3-phase + neutral active harmonic filter

Clean up your current

- Units design to work in high ambient temp up to 50 Deg C
- 3 Level IGBT to meet tough target requirements from Utilities
- 3-in-1 Harmonic Correction, PF improvement, Main current balancing



### Building segment



Heavy Industry



Retail space



Healthcare



Hotel & Casino



Life sciences & University



Datacenter Cloud Farm

### Industry segment



Light Industry



Food & Beverage

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

# Active Harmonic Filtering Solutions

## AccuSine PCS+



- 3 Ph, 3 wire connection
- From 208V to 690V supply
- Parallel connection up to 99 units - any combination of models
- Harmonic cancellation spectrum from 2nd to 50th harmonic order
- Load balancing of source current
- DPF correction
- Can be used with PF capacitors as Hybrid VAR compensation (HVC) system

### Accusine PCS+

Description	AMPS	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
<b>AccuSine PCS+</b>				
AccuSine PCS+ 60A 380V- 480V 50- 60Hz IP31	60	1	PCSP060D5IP31	On Request
AccuSine PCS+ 120A 380V - 480V 50- 60Hz IP31	120	1	PCSP120D5IP31	On Request
AccuSine PCS+ 200A 380V- 480V 50- 60Hz IP31	200	1	PCSP200D5IP31	On Request
AccuSine PCS+ 300A 380V- 480V 50- 60Hz IP31	300	1	PCSP300D5IP31	On Request
<b>AccuSine PCS+ IP54</b>				
AccuSine PCS+ 60A 380V-480V 50- 60Hz IP54	60	1	PCSP060D5IP54	On Request
AccuSine PCS+ 120A 380V-480V 50- 60Hz IP54	120	1	PCSP120D5IP54	On Request
AccuSine PCS+ 200A 380V- 480V 50- 60Hz IP54	200	1	PCSP200D5IP54	On Request
AccuSine PCS+ 300A 380V- 480V 50- 60Hz IP54	300	1	PCSP300D5IP54	On Request

**Note:** Active Harmonic Filter prices On Request

## AccuSine PCSn



- Clean up your current
- Units design to work in high ambient temp up to 50 Deg C
  - 3 Level IGBT to meet tough target requirements from Utilities
  - 3-in-1 Harmonic Correction, PF improvement, Main current balancing

### AccuSine PCSn

Description	AMPS	Minimum Ordering Quantity (No.)	Reference	Unit MRP [₹]
<b>AccuSine PCSn</b>				
AccuSine PCSn 30A 208-415Vac 3ph+N chassis IP00	30	1	PCSN030Y4CH00	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N chassis IP00	60	1	PCSN060Y4CH00	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N chassis IP00 expansion module	60	1	PCSN060Y4CH00E	On Request
AccuSine PCSn 30A 208-415Vac 3ph+N wall mount IP20	30	1	PCSN030Y4W20	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N wall mount IP20	60	1	PCSN060Y4W20	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N wall mount IP20 expansion module	60	1	PCSN060Y4W20E	On Request
AccuSine PCSn 30A 208-415Vac 3ph+N rack mount 19"	30	1	PCSN030Y4R19	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N rack mount 19"	60	1	PCSN060Y4R19	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N rack mount 19" expansion module	60	1	PCSN060Y4R19E	On Request

**Note:** Active Harmonic Filter prices On Request

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

NORMAL STOCK ITEMS

W.E.F. January 11, 2021









Life Is On

**Schneider**  
Electric

## Schneider Electric India Pvt. Ltd.

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Ahmedabad, Gujarat - 380015  
Tel.: 079-66826701

### Coimbatore

Schneider Electric India (P) Ltd.  
Hanudev Info Tech Park, 6<sup>th</sup> Floor  
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### Lucknow

Schneider Electric India (P) Ltd.  
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Uttar Pradesh - 226010  
Tel.: 0522-3500334

### Nashik

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401, 4<sup>th</sup> Floor, Rishi Raj Towers  
Jehan Circle, Gangapur Road  
Nashik- 422013  
Tel.: 0253-2344333

### Bengaluru

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

### Hyderabad

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

### Ludhiana

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

### New Delhi

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

### Bhubaneswar

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

### Indore

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

### Mohali

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

### Pune

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

### Chennai

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

### Jaipur

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

### Mumbai

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

### Vadodara

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

### Cochin

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

### Kolkata

Schneider Electric (I) Pvt.Ltd,  
BP-4, Sector-V, Technopolis  
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### Nagpur

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### Vishakhapatnam

Schneider Electric India (P) Ltd.  
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Ratnam's Business Centre,  
Siripuram Fort, C.B.M.Compound  
Visakhapatnam - 530016  
Tel.: 0891-6675500

### Customer Care Centre

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

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

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

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

- All Prices are in Indian Rupees.
- Prices are subject to change without notice.
- Product evolution is a continuous process and Schneider Electric reserves the right to modify/withdraw any product at any time without prior notice.
- Prices charged will be as prevailing on the date of dispatch.
- Maximum Retail Price (MRP) is inclusive of all taxes.
- Tax incidence on invoices is basis applicable GST rates. Invoice amount not to exceed MRP

Distributor