

Life Is On

Schneider
Electric

 Price List

Panel Builder

With effect from January 30th, 2023



se.com/in

EasyPact CVS	
Range Overview	15
MCCBs for Distribution Network	16
EasyPact CVS Switch Disconnecter Version	21
Accessories	22
Range Overview	25
MCCBs for Distribution Network	27
Moulded Case Circuit Breakers:	
ComPact NSX & NSXm:	
Range Overview	30
MCCBs for Distribution Network	34
MCCB with Integrated Earth Leakage Protection	35
Accessories	36
MCCB for Motor Protection:	
GV4LE	37
GV4PE	37
Accessories for GV4	38
Auxiliary Contact Blocks	38
ComPact NSX:	
Range Overview	40
MCCBs for Distribution Network	41
Circuit Breakers for Motor Protection	44
MCCB with Integrated Earth Leakage Protection	45
Accessories	46
Unique Modular Ground Fault Protection	49
ComPact NS:	
Range Overview	51
EasyPact EZC:	
Range Overview	54
MCCBs for Distribution Network	55
Accessories	57
Earth Leakage Protection:	
Vigirex - Earth Leakage Protection Relay	58
Switch Disconnecter:	
ComPact- INS & INV Switch Disconnectors	59
Switch Disconnecter fuse units - range overview	60
FuPact Switch Disconnecter and Accessories	61
Air Circuit Breakers:	
MasterPact MTZ:	
Range Overview	63
Overview of Micrologic X Trip Unit	65
MasterPact NT/NW:	
Range Overview	67
Micrologic Trip system	68
ATS Kit range	68
EasyPact MVS:	
Range Overview	70
ET/ETA/ETV Trip System	71
Draw-out type Circuit breakers and Switch Disconnectors	72
Fixed type Circuit breakers and Switch Disconnectors	74
Accessories	76
EasyPact SPS:	
Range Overview	77
Draw-out type Circuit breakers and Switch disconnecter	78
Fixed type Circuit breaker and Switch disconnecter	79
Accessories	79
Automatic Transfer Switch:	
Range Overview	80
ATS (ASCO) Series 7000/300	83
ATS (ASCO) Series 230	84
ATS WOTPC	85
TransferPact Active Automatic	86
WATSN (ATS and RTS)	87

Switching
and
Controlling
Products

EasyPact TVS:	
EasyPact TVS Power Contactors (3 Pole)	88
EasyPact TVS Power Contactors (4 Pole)	90
EasyPact TVS Contactor Accessories	91
EasyPact TVS Thermal Overload Relay	92
EasyPact TVS Circuit Breaker for Motor Protection	93
TeSys Control:	
TeSys K Control Relays	98
TeSys K Power Contactors	98
TeSys K Accessories	99
TeSys Deca Control Relays	100
TeSys Deca Power Contactors (3 Pole)	100
TeSys Deca Power Contactors (4 Pole)	101
TeSys Deca Green	102
TeSys Deca Green Electric Coil Contactor	103
TeSys Deca Accessories	104
TeSys Giga Power Contactors	111
TeSys H Ultra compact	112
TeSys Protect:	
TeSys Overload Relay	115
TeSys Electronic Over Current Relay	117
TeSys Power:	
TeSys Motor Circuit Breakers	120
GV4LE	121
GV4FE	121
Accessories for GV4	122
Auxiliary Contact Blocks	122
Circuit Breakers for Motor Protection Accessories	123
TeSys Switches:	
TeSys Switches	127
TeSys Active:	
TeSys island	129
TeSys U	132
TeSys T -IMCC Relays	135
Selection Table:	
Type 2 Co-ordination Charts	137 to 142
Type 2 Co-ordination chart with TeSys Giga range	143 to 147
Type 2 Recommended Selection Charts	148 to 154

Industrial
Automation
Products

Phaseo:	
Phaseo Power Supplies	155
Phaseo Transformers	157
Harmony:	
Harmony Smart Relays	159
Altivar™	
Altivar™ Variable Frequency Drives	164
Altistart™ 	
Altistart™ Soft Starters	178
Harmony:	
Harmony Plug - In Relays	183
Harmony Electronic Timers/Control Relays	187
Harmony Control & Signalling Units XA2 Series	189
Harmony Control & Signalling Units XB5/XB7 Series (Lot size 20 nos.)	190
Harmony Control & Signalling Units XB2 Series	196
Harmony Control Stations & Enclosures	197
Signalling:	
Signalling Illuminated Beacons and Indicator Banks	198
Signalling Monoethic Tower Light	203

Industrial
Automation
Products

Osisense	
Osisense Photoelectric Sensors	208
Osisense Pressure Switches	211
Osisense Limit Switches	212
Osisense Inductive Sensors	219
Osisense Application Sensors	223
Osisense Cable Accessories	224
Harmony	
Harmony Basic HMI Panels for Single Machines	227
Harmony Advanced HMI Panels for Performance Machines	230
Harmony FP6 Industrial Flat Panel Monitors	232
Harmony HMI Software and Services	234

Final
Distribution
Products

Acti 9 Distribution System	
Miniature Circuit Breakers (MCBs)	242
Residual Current Devices (RCDs)	246
Auxiliaries and Accessories for MCBs/RCDs	248
Surge Protection Devices (SPDs)	250
Control and Command Products	252
ComReady Control and Command Products	254
Modular Distribution Boards - Metallic	262
Kaedra Enclosures	
Kaedra Enclosures Weather Proof	268
PratiKa	
PratiKa Plugs & Sockets	270
Electra	
Electra Metal Clad Plugs & Sockets	274

Power
Monitoring
Products

Tailored Offers for Specific Applications and Segment:	
BCPM Data Center Management with Information	277
Vigilant Range of Insulation Monitoring Devices	277
High Accuracy, Specialized Solutions - for MV/LV Distribution:	
PowerLogic™ ION900T	280
PowerLogic™ ION9000	280
PowerLogic™ ION 8650	280
PowerLogic™ ION7400	281
PowerLogic™ PM8000 Series Power Quality Analyser	281
High Accuracy, Compact, Power Meters - for HV/MV/LV Distribution:	
PowerLogic™ PM5000 Series Power Meters	283
Smart Demand Controller - EM7200 Series	283
High Accuracy, Specialized Solutions- for MV/LV Distribution:	
EasyLogic PM2000 Series	285
India's Most Trusted, Reliable and Accurate Multifunction Meters:	
Conzery EM6400NG Series, The Next Generation Workhorse	287
Hexa Series EM6400H and PM1130H Meters	287
Hexa Series LCD Range: OEM Specialized Applications	288
Hexa Series PM112XH Series	290
PowerTag - World's Smallest Energy Sensor:	
PowerTag for MCB	292
PowerTag for MCCB	292
Smartlink	293
Communication Auxiliaries	293
DIN Rail Mount Meters - Accurate, Flexible Power Meters:	
PowerLogic™ PM3200 Series CT 0.5S Power Meters MV / LV Distribution	294
PowerLogic™ IEM3000 Series Class Meters - LV Distribution	294
IEM 33xx - CT1.0, Direct current 125 A, Din Rail Meter	294
Three phase CT Operated, Din Rail Meter / Direct Current-Three phase (up to 63A)	294
Ethernet Communication Gateways and Meters:	
Ethernet Communication Gateway Server / Converters	297
Accessories for Power Monitoring	297

Power Monitoring Products	Specialized Small Form Factor Meters - ELF:	
	ELF32xx Series - VAF, Power & Energy Meters	298
	LCD Display Energy Meter & VAF+PF Meter:	
	EM1000 / EM1200 Series	298
	DM 6100 Series - VAF, PF Meters	298
	CE compliance - Volt/Amp/ frequency meter:	
	EasyLogic™ DM3000 / DM1000	299
	Just the Basics - Voltage / Ampere / Frequency Meters:	
	Conzerv™ DM3000 / DM1000	299
	Power Quality Products	LV Power Quality Products and Equipment:
EasyLogic™ H Duty Can Capacitors		304
Can (Cylindrical) Type 440V Capacitors		306
Box (Square) Type 440V Capacitors		307
Detuned Filter Application Capacitors		308
Detuned Reactor 440V Range		312
Copper Wound Detuned Reactor 440V Range		314
Selection of capacitor (kVAR & Voltage) for Detuned filter Application		315
APFC Relays		317
PowerLogic DVR 380/400/415 V, 50/60 Hz		319
Harmonic Filtration Equipment- AccuSine		322
Power Factor Correction Equipment- VarSet		326

One stop shop for all your electrical needs



 Flexible Payments

 Express Delivery

 Online Tech Support



Explore more at

shop.schneider-electric.co.in

Life Is On

Schneider
Electric



Green Premium™

An industry leading portfolio of offers delivering sustainable value



More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACH substance information
- Industry leading # of PEP's*
- Circularity instructions



Discover what we mean by green
[Check your products!](#)

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

CO2 and P&L impact through... Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO₂ emissions.

Cost of ownership optimization through... Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

Peace of mind through... Well-being Performance

Green Premium products are RoHS and REACH compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

Improved sales through... Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.

Protect uptime and business continuity

From Preventive to Predictive Maintenance

Minimize downtime, increase safety

Problems in electrical equipment continue to be one of the leading causes of fires in commercial and industrial properties.

The European Fire Academy (EFA) estimates that 25% of building fires are electrical in origin⁽¹⁾, while 56% of industrial disasters in India are due to electrical faults.

Wireless LV thermal monitoring solution



Schneider Electric LV switchboard Thermal Monitoring minimizes downtime and increases safety while reducing insurance premiums related to fire risks.

Given such risks, keeping critical equipment up and running is a priority in buildings and facilities worldwide. The objectives are three-fold:

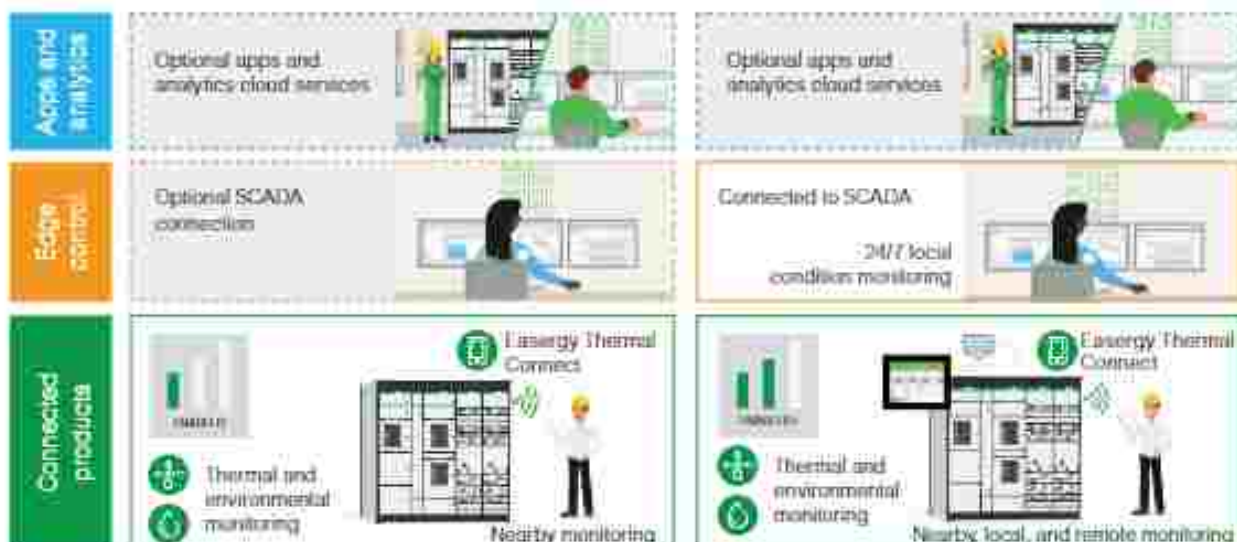
- **Maintain** operational uptime and business continuity
- **Reduce** operational expenses and total cost of ownership
- **Protect** building occupants and electrical distribution equipment

The Thermal Monitoring design combines a robust and proven architecture, standardized modules, and Schneider Electric devices. Permanently installed sensors on busbar connections, cable compartments, and breaker contacts provide continuous monitoring to perform predictive maintenance.

While IR inspections may miss critical conditions that happen between scheduled scans, Thermal Monitoring not only detects potential hazards but immediately sends alerts to operations and maintenance teams, allowing them to respond before any unsafe or damaging conditions occur.

(1) European Fire Academy

Schneider Electric LV switchboard Thermal Monitoring with Scalable Connectivity

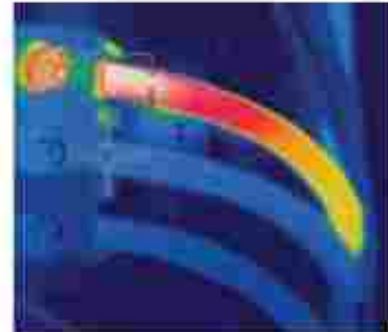


Improve safety with early detection of cable overheating

Electrical fires can generate huge losses in commercial buildings from the loss of business continuity, business opportunity costs, assets, and production loss. These losses can be so significant that they can even destroy companies.

Mechanism	Frequency
Poor connections	Most ↓ Least
Arcing across a carbonized path	
Arcing in air	
Excessive thermal insulation	
Overload	
Ejection of hot particles	
Dielectric breakdown in solid or liquid insulators	
Miscellaneous phenomena	

Typical connection issues in LV electrical assemblies



A thermographic image of a cable connection on a MCCB showing how a loose connection causes the connection point and cable to overheat.

The equipment inside LV switchgear and panels is susceptible to a range of fire risks, as defined by the IEC 60054 standard. Of these risks, poor connections are the most frequent.



HeatTag™ smart insulation decomposition detection (IDD) device

Detection of abnormal heating (loose cable connections can contribute to thermal runaway). PowerLogic HeatTag sensors identify potential problems before they get out of control.

HeatTag is a Smart Sensor for Early Detection of Overheating wire connections or cables.

HeatTag helps preventing electrical cabinets from being damaged, by analyzing gas and particles in the air and sending alerts before any smoke or insulator browning.



PVC insulation material behavior with increasing temperature



PowerLogic™ HeatTag

Switchboard condition analysis:

- Analyzes gases and micro-particles emitted by overheating cable
- 3 level of alerts depending on severity
- Measures ambient temperature and humidity
- Provides switchboard air quality index

Sensor self-diagnosis:

- Fan maintenance alert
- Sensor health alert

PowerLogic HeatTag helps prevent electrical cabinets from being damaged by analyzing airborne gas and particles and sending alerts before smoke appears or an electrical fire starts.

HeatTag is much more than a fire or smoke detector – it scientifically detects overheating in electrical installations before any damage is done.



EcoStructure™ Facility Expert

EcoStruxure™ Facility Expert

Designed to keep you in touch with your equipment

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

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

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



Collaborate and get things done!

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



Simplify and manage maintenance activities

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

Scan and Download

For free access to EcoStruxure™ Facility Expert



Scan to know more

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





Product Selector

-Select Schneider products through digital tool

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

- Easy access:** no login, direct access on Schneider's website or on the website of distributor
- Reliable:** the compatibility between the main product and the accessories is constantly tested
- Wide coverage:** more than 130 Schneider ranges are available (MasterPact)

Choose Products in simple steps:

1. Go to range page on se.com



2. Click on Launch Product Selector



Future of Power Distribution



MasterPact™ MTZ Circuit Breaker

FUTURE READY



...CONNECTIVITY READY

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



...PRECISION READY

Access new energy saving capabilities – AccuSized Class T power meter gives you precise power measurements for greater efficiency.



...UPGRADE READY

Customize Micrologix X control unit options – Digital modules make it easy to upgrade and tailor your system.



...INSTALLATION READY

Streamline configuration and commissioning with EcoGestation Power Configuration Tool.



...SUSTAINABILITY READY

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



...ENVIRONMENT READY

Keep your electrical system cool as ever in harsh environments – MasterPact MTZ circuit breakers give you proven reliability by going beyond standards.



...INTEGRATION READY

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



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



EasyPact™ CVS

Molded-case circuit breakers and
switch-disconnectors from 16 to 630A



se.com/in


Life Is On

Schneider
Electric

EasyPact CVS

Easy Choice for Quality and Value



- EasyPact CVS MCCBs upto 630A is the easy choice for all your most common electrical distribution applications
- EasyPact CVS also available with Electronic Trip release (LSi) from 40A to 250A 
- Encapsulated double break roto technique ensures outstanding current limiting capability
- High electrical / mechanical endurance for enhanced service life
- Single accessory reference for different functions – on/off, trip and fault trip – improves shop floor efficiency
- Separate electrical fault indication for ease of fault diagnosis
- Class 2 front face, Locking in off position, Suitable for isolation
- Optimized footprint in two frame sizes

Range Details:

- Breaking capacity 25kA to 50kA, Ics = 100% Icu
- TMD, MA, Electronic trip units (LSi) protection 40A to 630A)
- Electronic trip units (LSIG protection 25A to 630A)
- 3P & 4P versions available
- Common accessories upto 630A

EasyPact CVS 100 BS

Moulded Case Circuit Breakers for Distribution Network



With Thermal Magnetic Trip Unit (TMD)

- Rating up to 100A
- 3P and 4P version available

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
EasyPact CVS 100 BS Overload Setting (I_n) 0.9 - 1 x I_n					
25kA*	20A	1V510931	2910	1V510961	17540
	25A	1V510932		1V510962	
	32A	1V510933		1V510963	10150
	40A	1V510934		1V510964	17540
	50A	1V510935		1V510965	
	63A	1V510936		1V510966	
	80A	1V510937		1V510967	10150
100A	1V510938		1V510968		

* I_{cs} = 15kA

Accessories

Description	CVS100BS Reference	Unit MRP [₹]
Auxiliary contacts (changeover) Multifunction		
Auxiliary Switch 1 C/O	EZAS101	1140
Alarm Switch 1 C/O	EZAL001	
Alarm / Auxiliary Switch	EZAUX11	
Spreaders		
Spreaders *(Set Of 3) 3P	EZASPR3P	450
Spreaders *(Set Of 4) 4P	EZASPR4P	510
Rotary Handle		
Direct Rotary handle	EZAR015	1030
Extended Rotary handle	EZAR01E	2430
Shunt Release		
AC		
100-130 V	EZASH110AC	2410
200-277 V	EZASH120AC	
380-480 V	EZASH130AC	
DC		
24 V	EZASH101DC	2210

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

85 NORMAL STOCK ITEMS

WEF: January 30th, 2023

* Ics = 100% Icu as per IEC 60947-2

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)	
EasyPact CVS 100 to 630A Overload Setting (IP) 0.7 - 1 x In						
25kA	16A	LV510300	8400	LV510310	11720	
	25A	LV510301		LV510311		
	32A	LV510302		LV510312		
	40A	LV510303		LV510313		
	50A	LV510304		LV510314		
	63A	LV510305		LV510315		
	80A	LV510306		LV510316		
	100A	LV510307		LV510317		
	125A	LV516307		LV516317		15180
	160A	LV516303		LV516313		19400
200A	LV525307	21430	LV525317	25790		
25kA	250A	LV525303	25000	LV525313	30000	

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)		
EasyPact CVS 100 to 630A Overload Setting (IP) 0.7 - 1 x In							
30kA	16A	LV510330	11530	LV510340	14400		
	25A	LV510331		LV510341			
	32A	LV510332		LV510342			
	40A	LV510333		LV510343			
	50A	LV510334		LV510344			
	63A	LV510335		LV510345			
	80A	LV510336		LV510346			
	100A	LV510337		LV510347			
	125A	LV516332		12810		LV516342	16900
	160A	LV516333		16000		LV516343	20200
200A	LV525332	21430	LV525342	26770			
30kA	250A	LV525333	27100	LV525343	33540		
	320A	LV540305	35000	LV540308	43520		
	400A	LV540306	35700	LV540309	43900		
	500A	LV563305	39000	LV563308	50550		
	630A**	LV563306	45310	LV563309	56000		

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)		
50kA	16A	LV510470	1620	LV510480	19240		
	25A	LV510471		LV510481			
	32A	LV510472		LV510482			
	40A	LV510473		LV510483			
	50A	LV510474		LV510484			
	63A	LV510475		LV510485			
	80A	LV510476		LV510486			
	100A	LV510477		LV510487			
	125A	LV516467		21250		LV516467	27270
	160A	LV516463		22000		LV516468	28500
200A	LV525457	28500	LV525457	36110			
50kA	250A	LV525453	30000	LV525458	37600		
	320A	LV540315	37000	LV540318	46000		
	400A	LV540316	38000	LV540319	47800		
	500A	LV563315	44300	LV563318	56000		
	630A**	LV563316	47340	LV563319	59000		

Note:

** 50kA @ 30°C & 60kA @ 40°C for 1ME630A MCCB



EasyPact CVS 40 to 630A with Electronic Trip Unit ETS 2.2 and ETS 2.3

- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.4 to 1 x In
- Adjustable Short Circuit from 1.4 to 10 x In
- Adjustable Neutral Protection - N, N2, OFF for 4 Pole MCCB
- Inbuilt Thermal Memory

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
EasyPact CVS 40 to 250A					
75KA	40	1V510550	27000	1V510500	26300
	100	1V510551	27030	1V510501	26360
	160	1V515505	28130	1V515506	30000
	250	1V525505	36970	1V525508	47420
36KA	40	1V510552	27300	1V510502	26400
	100	1V510553	27300	1V510503	26400
	160	1V515506	28630	1V515509	30670
	250	1V525506	38270	1V525509	53040
50KA	40	1V510554	26800	1V510504	26200
	100	1V510555	26800	1V510505	26200
	160	1V515507	34040	1V515510	44200
	250	1V525507	44210	1V525510	57800

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
EasyPact CVS 400 to 630A					
36 kA	400A	1V540505 33	42020	1V540506 33	51300
	630A	1V560505 33	46810	1V560506 33	52100
50 kA	400A	1V540510 33	46780	1V540511 33	60600
	630A	1V560510 33	50870	1V560511 33	68610

Circuit Breakers for Motor Protection Breaking Capacity 50kA, Ics=100%Icu



Current Rating	Magnetic setting	2.5	6.3	12.5	25	50	100	150	220	320	500	
CVS 100	III - III x	E_14 x M										
CVS 160/250							E_14 x M					
CVS 400									E_13 x M			
CVS 500											E_13 x M	



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 (₹)
10kA	2.5A	UV10450	11600
	6.3A	UV10451	12640
	12.5A	UV10452	13680
	25A	UV10453	14720
	50A	UV10454	15760
	100A	UV10455	16800
50kA	150A	UV10456	21960
	220A	UV20457	23100
	320A	UV40557	34650
	500A	UV50557	42840



EasyPact CVS with built-in LSIG Electronic trip unit ETS 6

- Rated Current, in (A) – 25, 40, 100, 160, 250, 400, 630
- Breaking capacity (cu-lcs) (kA) at 415V – 25 (only up to 250A), 36, 50
- 3-Pole and 4-pole versions
- Built-in µP based trip unit having protection functions (LSIG)
Variable current setting for I_S and I_G and variable time delay setting for I_S and I_G.
- Neutral O/L protection possible with 3P MCCB (with External neutral CT) and 4P MCCB
- Last Fault trip history on LCD screen of MCCB i.e. Faulty phase, Type of Fault and interrupted current.

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

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)
25kA	25A	1V510600	3330	1V510610	3960
	40A	1V510608		1V510618	
	100A	1V510609		1V510619	
	160A	1V510609		1V510619	
36kA	250A	1V525600	45100	1V525610	5540
	400A	1V540600	52130	1V540610	6310
36kA	25A	1V510620	On Request	1V510630	On Request
	40A	1V510628	34730	1V510638	40320
	100A	1V510629	30670	1V510639	36000
	160A	1V510629	30670	1V510639	36000
36kA	250A	1V525620	47000	1V525630	56800
	400A	1V540620	52130	1V540630	63100
	630A	1V563620	62500	1V563630	76200
50kA	25A	1V510640	On Request	1V510650	On Request
	40A	1V510648	39000	1V510658	45300
	100A	1V510649	40620	1V510659	47000
	160A	1V510649	40620	1V510659	47000
50kA	250A	1V525640	49110	1V525650	59500
	400A	1V540640	59700	1V540650	71500
	630A	1V563640	69200	1V563650	83700

Easy-Pact CVS Switch Disconnecter Version



- Suitable for location 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 Easy-Pact CVS circuit breaker.

Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)
100A	LV10023	5420	LV10400	10210
160A	LV16423	10050	LV16426	12640
Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)
250A	LV25423	21050	LV25476	28800
400A	LV40400	30360	LV40471	39210
630A	LV63400	36000	LV63401	47110

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

☑️ MRRM2 STOCK ITEMS

W.E.F. January 30th, 2023



Indication contacts



Voltage Release



Padlocking accessory



Direct Rotary Handle



Extended Rotary Handle

Accessories for EasyPact CVS 100 - 630A

Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP [€]
OF or SD or SOE or SIV	29450 00	1000
OF or SD or SOE or SIV low level	29452	1770
SEI adapter for trip unit TM or MA or ETS 2.3 a	LV429461 00	990

* To be considered along with SEI contact for MCCB with 1MD4/10 2.3MA trip Unit

Voltage Releases

Description	Smart Release Reference	Unit MRP [€]	Undervoltage Reference	Unit MRP [€]
AC				
24 V 50/60 Hz	LV429381 00	3170	LV429401	3600
48 V 50/60 Hz	LV429382		LV429405	
110-130 V 50/60 Hz	LV429386 00		LV429409 00	
220-240 V 50/60 Hz	LV429387 00		LV429407 00	
380-415 V 50 Hz	LV429388 00		LV429408 00	
525 V 50 Hz	LV429389	LV429409	6620	
DC				
12 V	LV429387	3170	LV429402	3880
24 V	LV429390 00		LV429410 00	5620
30 V	LV429391		LV429411	5620
48 V	LV429392	4490	LV429412	3600
60 V	LV429393	4490	LV429403	6620
126 V	LV429393	3170	LV429413	3880
250 V	LV429394	3170	LV429414	3600

Rotary Handles

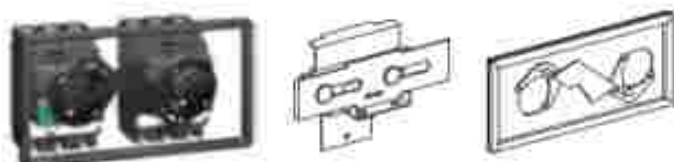
Description	100/160/250A Reference	Unit MRP [€]	400/630A Reference	Unit MRP [€]
Direct rotary handle:				
Standard black handle	LV429337 00	1500	LV429337 00	2500
Extended rotary handle				
Standard extended rotary handle	LV429338 00 IN 00	2100	LV429338 00 IN 00	3170

Installation Accessories

Description	100/160/250A Reference	Unit MRP [€]	400/630A Reference	Unit MRP [€]
Spreaders & Phase Barriers				
Spreaders (Set of 3) 3P	LV431563 00	730	32492 00	1650
Spreaders (Set of 4) 4P	LV431564 00	910	32493 00	2100
Phase Barriers (Set of 6)	*		LV432570 00	960
Interlocking				
For Breaker with Rotary Handle	LV429360	11340	LV432621	14200
For Breaker with Toggle	LV429364	13650	LV432614	11420
Mechanical interlocking with Base Plate	20349**		30609**	
Locking of Rotary Handle				
Locking Device	LV429344 00	730	LV432604 00	900
Basic Keylock (1 Lock + 1 Key set)	41940 00	590	41940 00	590
Basic Keylock (2 Locks + 1 Key set)	41940 00	910	41940 00	910
Profiled Keylock (1 Lock + 1 Key set)	42988	850	42988	850
Profiled Keylock (2 Locks + 1 Key set)	42976	10710	42976	10710

* supplied as standard with spreaders

** Mechanical interlocking with Base Plate to be ordered with Safety trip interlock (LV42970 for 20349 and LV432520 for 30609)



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 [€]
Mechanical interlocking for circuit breakers		
With toggles 100A to 250A	1V429254	13000
With rotary handles 100A - 250A	1V429259	10805
With toggles 400A to 630A	1V432514	13700
With rotary handles 400A to 630A	1V432521	

Accessories for ETS 6 Trip unit

Description	CVS100/180/250 Reference number	Rating	Unit MRP [€]	CVS400/630 Reference number	Rating	Unit MRP [€]
External neutral CT for 3 pole breaker with ETS 6	1V429221	25 - 100 A	14800	1V432515	400 - 630 A	21400
	1V432522	150 - 250 A	22000			
Description		CVS 100 to 630 Reference number		Unit MRP [€]		
Pocket battery for MCCB With ETS 6		1V434206		28300		
24 VDC terminal block for MCCB With ETS 6		1V434210		22000		

New Launch
Easy Series

EasyPact™ CVS

Molded-Case Circuit Breaker
from 800 to 1250 A



se.com/in

Life Is On

Schneider
Electric

Introduction Overview

State-of-the-art design, user-friendly features and a wide spectrum of protection releases of the MCCB range. Also recognised for its ergonomics, aesthetics and compactness. Specially designed and developed for extreme tropical conditions, it promises reliable performance in high ambient and humid environment.

Unfailingly caters to the ever-evolving needs of customers, derived after in-depth analysis and customer feedback. Because we understand our customers' requirements and demands, our contemporary range of MCCBs never falls short of ensuring complete customer satisfaction. Moreover, complemented by a host of accessories, the EasyFact CVS range delivers comprehensive solutions to customer applications ensuring operational safety, reliability and versatility.



Features

- Range available from 800 to 1250 A
- Available in 3 pole and 4 pole
- Range of 50 kA breaking capacity
- Electronic trip unit release and Switch Disconnecter
- MCCBs for Distribution and SO version
- Wide range of Internal and External accessories
- RoHS compliant

Schneider Electric do not recommend the mix of different ranges of breakers.

Codes and standards

CVS range of MCCB series and accessories comply with:

- IEC 60947-1: General rules
- IEC 60947-2: Circuit-breakers

EasyFact CVS MCCB

Current rating	800 A, 1000 A, 1250 A
Release	Electronic trip unit, Switch Disconnecter

Trip Units

NA - Switch Disconnecter (SD)



LSI Protection - Electronic Trip Unit (ETS 2)



LSIG - Electronic Trip Unit (ETS G)



Marking and Configuration:



EasyPact CVS MCCB offers

Enhanced features

- Snap-fit accessories up to 800 to 1250 A
- Auxiliary contact for ON/OFF and Trip Indication
- Shunt coil for remote tripping
- Under Voltage coil

Accessories





**EasyPact Molded Case Circuit Breaker
800 - 1250 N**

Breaking Capacity I_{bn} as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP [€]	Four Pole Reference	Unit MRP [€]
ETS 2					
50 kA at 415 V AC	800 A	LV508231	On Request	LV508241	On Request
	1000 A	LV510231		LV510241	
	1250 A	LV512231		LV512241	
ETS 0					
50 kA at 415 V AC	800 A	LV508232	On Request	LV508242	On Request
	1000 A	LV510232		LV510242	
	1250 A	LV512232		LV512242	



**EasyPact Molded Case Circuit Breaker
800 - 1250 SD**

Breaking Capacity I_{bn} as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP [€]	Four Pole Reference	Unit MRP [€]
SD					
415 V AC	800 A	LV508230	On Request	LV508240	On Request
	1000 A	LV510230		LV510240	
	1250 A	LV512230		LV512240	

Spreader links



Breaking Capacity I_{bn} as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP [€]	Four Pole Reference	Unit MRP [€]
	800 A	LV508530 (Set of 6)	On Request	LV508540 (Set of 6)	On Request
	1000 A	LV510530 (Set of 12)		LV510540 (Set of 10)	
	1250 A	LV512530 (Set of 6)		LV512540 (Set of 6)	

* two runs per phase



Extended Rotary Handle

Rated Current	Reference	Unit MRP [€]
800 A	LV00800	On Request
1000 A		
1250 A		



External Neutral CT

Rated Current	Reference	Unit MRP [€]
800 A	LV508600	On Request
1000 A	LV510600	
1250 A	LV512600	

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

SEE M3RMA2 STOCK ITEMS

WEF: January 30th, 2023



**Adaptor kit for
External Neutral CT**

Rated Current	Reference	Unit MRP [€]
800 A	1V500K03	
1000 A	1V5105r0	On Request
1250 A	1V5125r0	



**Auxiliary 1 C/O + Trip Alarm
Contact 1 C/O**

Rated Current	Reference	Unit MRP [€]
800 A		
1000 A	1V500004	On Request
1250 A		



Auxiliary Switch 1 C/O

Rated Current	Reference	Unit MRP [€]
800 A		
1000 A	1V500001	On Request
1250 A		



**Shunt Release
(110/240/415 V AC)**

Rated Current	Reference	Unit MRP [€]
800 A		
1000 A	1V500005	On Request
1250 A		



Auxiliary Switch 2 C/O

Rated Current	Reference	Unit MRP [€]
800 A		
1000 A	1V500002	On Request
1250 A		



**Under Voltage release
(240 V AC)**

Rated Current	Reference	Unit MRP [€]
800 A		
1000 A	1V500006	On Request
1250 A		



Trip Alarm Contact

Rated Current	Reference	Unit MRP [€]
800 A		
1000 A	1V500003	On Request
1250 A		

Energy
Performance
Protecting & Improving Your Level

ComPacT NSX & NSXm

Molded-Case Circuit Breakers
And Switch-Disconnectors
From 16 To 630 A - Up To 690 V

se.com/in

Life Is On

Schneider
Electric

ComPact NSXm & NSX

Schneider Electric is proud to introduce the new generation of ComPact MCCBs. These breakers talk to you, wherever you are, in all transparency. New design complements new wireless connectivity capabilities with our latest wireless auxiliary contact.

ComPact Design



New signature design

- Schneider Electric green signature style for the entire ComPact range
- Estimated 40% reduction of wiring time for panel builders
- Experience easier installation thanks to a new ergonomic front-plate design
- Gain the confidence that all auxiliaries are on the right spot, and simply double check that you have the right coil rating
- Ergonomic new toggle for easier breaker manual operation

Wireless Auxiliary Contact



Wireless breaker status

- Plug & play technology for clear connection status (0 or 1, no half-way wired)
- Placed in the same position as the wired version; its LED light will give you direct indication in case of a tripping
- If you are away, your ComPact will send you an immediate notification via EcoStructure Facility Expert for instance
- Wireless auxiliary accelerates overall wiring time: status communication is done very simply and commissioned wirelessly
- Communication architecture is fully EcoStructure Power validated, with any application

Ready to meet the new face of ComPact?



Meet the new generation of ComPact™ circuit breakers with semi-transparent faceplate, screwless auxiliaries and remote monitoring features.

Learn about the benefits of the ComPact range here:
se.com/compact-nsx

ComPact NSXm & NSX

Contribute to a better world. Enhance sustainability with ComPact range

Achieve Green Building certification with Green Premium ecolabel

In compliance with ISO 14025 PEP ecosaisport program, we publish a comprehensive Life Cycle Analysis of our product, providing the environmental data you need to achieve Green Building certifications.

For example, ComPacT NSX & NSXm contribute to 31 EED™ points in the Building Product Enclosure and Optimization section.

- Environmental Product Declaration
- Material Ingredients



ComPacT NSX range is now enriched with the new ComPacT NSXm, designed according to the EcoDesign Way™ by Schneider. It now features new space saving frame size for reduced resource consumption, and more.



New Packaging

- The ComPacT range comes in plastic-less packaging: not only to reduce our carbon footprint, but it also means less waste in the workshop
- Simplified instruction sheets included in all packaging
- 100% recycled carton
- Scan QR codes for access to digital documentation
- This product is REACH and RoHS compliant



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

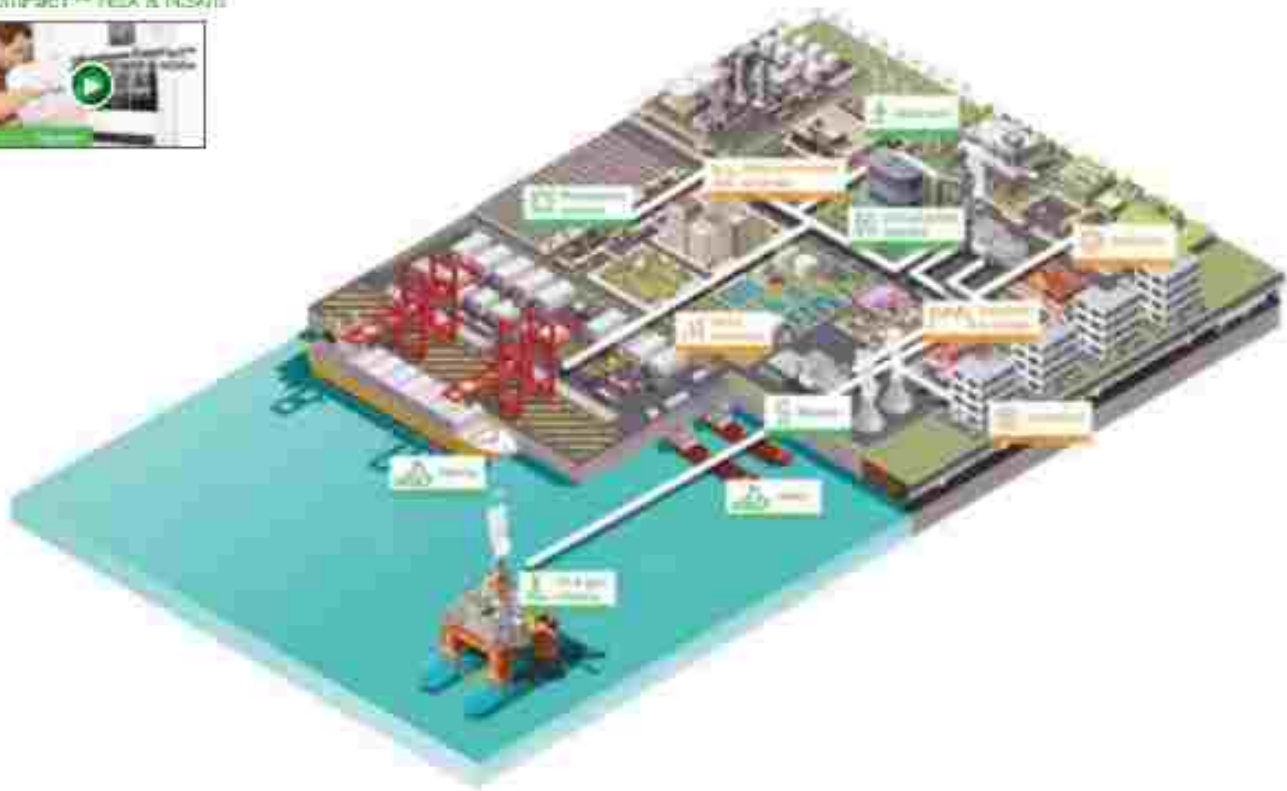
[SEE MORE STOCK ITEMS](#)

WEF January 30th 2023

ComPact NSXm & NSX Application Overview

The ComPact NSX and NSXm circuit breakers and switch-disconnectors are the best choice for all standards and specific applications.

ComPact™ NSX & NSXm



> ComPact INS/INV ⁽¹⁾



LVPE213024EN

> FuPacT ⁽¹⁾



LVPE216031EN

> Substitution and Technical Guide
ComPact NSX High Performances ⁽¹⁾



LVPE2508026EN

> ComPact NSX, ComPact INS/INV,
MasterPact NW DC - DC PV - DC EP ⁽¹⁾



LVPE221002EN

> TransferPacT
(Source-changeover systems) ⁽¹⁾



LVPE216028EN

> Complementary technical information



LVPE2318033EN

ComPact NSXm & NSX

New generation, simpler commercial references

New meaningful references to make your life easier

We understand any change in commercial references will be an adjustment, but in the long run we believe this change is needed, and will make your life easier.

Type (1)	Frame rating (2)	Breaking capacity (1)	Bus Poles (2)	Trip Unit (2)	Trip Unit Ratings (2)	Suffix (1)
NSX-C	100m - 11	16kA - E	1P - 1	1MD - 1M	16 - 016	EverLink - L
NSXm-C	100m - 12	25kA - B	2P - 2	MA - MA	20 - 020	Turner - B
	100 - 10	30kA - C	3P30 - 3	1MG - MG	25 - 025	Fixed - F
	160 - 10	50kA - N	4P40 - 4	1.3M - 1M	30 - 030	DC - D
	250 - 25	70kA - H	3P25 - 5	2.2 - 2D	40 - 040	Switch - S
	400 - 40	100kA - S	4P30 - 6	2.3 - 2D	50 - 050	DC PV - DP
	630 - 63	150kA - L		4.1 - 4V	63 - 063	
				4.2 - 4V	80 - 080	Acc with ID
				100 - 100	change - T	

For instance (VC25C20) will become C10F 31M100
ComPact Breaker NSX100F 30kA AC 3P30 100A 1MD

Scan QR code for breaker updates

Each breaker is equipped with a QR code that allows you to get the latest information on your breaker.





NSXm Thermal Magnetic Trip Unit (TMD)

- $I_{cs} = 100\% I_{cu}$ as per IEC 60947-2
- Adjustable thermal setting 0.7 to 1 x In
- Fixed magnetic settings
- Single frame size upto 100A
- 6 breaking capacities from 10kA to 70kA
- With compression lug connectors
- All the circuit breakers have a transparent lead-sealable cover

Breaking Capacity I_{cu} as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MDP €	Four Pole Reference	Unit MDP €
15kA	16A	C11E31M016B	129.00	C11E31M016B	186.00
	25A	C11E31M025B	129.00	C11E31M025B	186.00
	32A	C11E31M032B	129.00	C11E31M032B	186.00
	40A	C11E31M040B	129.00	C11E31M040B	186.00
	50A	C11E31M050B	129.00	C11E31M050B	186.00
	63A	C11E31M063B	129.00	C11E31M063B	186.00
	80A	C11E31M080B	129.00	C11E31M080B	186.00
	100A	C11E31M100B	129.00	C11E31M100B	186.00
	125A	C12E31M125B	229.00	C12E31M125B	280.00
	160A	C12E31M160B	245.00	C12E31M160B	304.00
25kA	16A	C11B31M016B	129.00	C11B31M016B	186.00
	25A	C11B31M025B	129.00	C11B31M025B	186.00
	32A	C11B31M032B	129.00	C11B31M032B	186.00
	40A	C11B31M040B	129.00	C11B31M040B	186.00
	50A	C11B31M050B	129.00	C11B31M050B	186.00
	63A	C11B31M063B	129.00	C11B31M063B	186.00
	80A	C11B31M080B	129.00	C11B31M080B	186.00
	100A	C11B31M100B	129.00	C11B31M100B	186.00
	125A	C12B31M125B	229.00	C12B31M125B	280.00
	160A	C12B31M160B	245.00	C12B31M160B	304.00
35kA	16A	C11F31M016B	168.00	C11F31M016B	200.00
	25A	C11F31M025B	168.00	C11F31M025B	200.00
	32A	C11F31M032B	168.00	C11F31M032B	200.00
	40A	C11F31M040B	168.00	C11F31M040B	200.00
	50A	C11F31M050B	168.00	C11F31M050B	200.00
	63A	C11F31M063B	168.00	C11F31M063B	200.00
	80A	C11F31M080B	168.00	C11F31M080B	200.00
	100A	C11F31M100B	168.00	C11F31M100B	200.00
	125A	C12F31M125B	238.00	C12F31M125B	294.00
	160A	C12F31M160B	247.00	C12F31M160B	312.00
50kA	16A	C11N31M016B	182.00	C11N31M016B	226.00
	25A	C11N31M025B	182.00	C11N31M025B	226.00
	32A	C11N31M032B	182.00	C11N31M032B	226.00
	40A	C11N31M040B	182.00	C11N31M040B	226.00
	50A	C11N31M050B	182.00	C11N31M050B	226.00
	63A	C11N31M063B	182.00	C11N31M063B	226.00
	80A	C11N31M080B	182.00	C11N31M080B	226.00
	100A	C11N31M100B	182.00	C11N31M100B	226.00
	125A	C12N31M125B	283.00	C12N31M125B	326.00
	160A	C12N31M160B	299.00	C12N31M160B	347.00
70kA	16A	C11H31M016B	240.00	C11H31M016B	308.00
	25A	C11H31M025B	240.00	C11H31M025B	308.00
	32A	C11H31M032B	240.00	C11H31M032B	308.00
	40A	C11H31M040B	240.00	C11H31M040B	308.00
	50A	C11H31M050B	240.00	C11H31M050B	308.00
	63A	C11H31M063B	240.00	C11H31M063B	308.00
	80A	C11H31M080B	240.00	C11H31M080B	308.00
	100A	C11H31M100B	240.00	C11H31M100B	308.00
	125A	C12H31M125B	447.00	C12H31M125B	478.00
	160A	C12H31M160B	457.00	C12H31M160B	484.00

Note: For 4-pole type NSXm MCCBs add prices of V4269/0 (3Pole) or V4269/1 (4Pole) 2 Sem in above MCCBs

For details on stockable and non stockable status, technical parameter, please contact Customer Care Centre

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023



NSXm integrated Earth Leakage protection (MicroLogic Vigi 4.1 Trip Unit)

- Standard protection of distribution cables
- Earth leakage protection
- Indication of:
 - Overload alarming (via LEDs and via S3x module)
 - Overload tripping (via the S3x module)
- Earth leakage alarming (via the S3x module)
- Earth leakage tripping (via front face screen and the S3x module)

Breaking Capacity I_{bn} as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MPP [N]	Four Pole Reference	Unit MPP [N]
15kA	25A	C11E34V025B	20170	C11E44V025B	40100
	50A	C11E34V050B		C11E44V050B	
	100A	C11E34V100B		C11E44V100B	
	160A	C12E34V160B		C12E44V100B	
25kA	25A	C11B34V025B	40670	C11B44V025B	81340
	50A	C11B34V050B		C11B44V050B	
	100A	C11B34V100B		C11B44V100B	
	160A	C12B34V160B		C12B44V100B	
39kA	25A	C11F34V025B	40670	C11F44V025B	81340
	50A	C11F34V050B		C11F44V050B	
	100A	C11F34V100B		C11F44V100B	
	160A	C12F34V160B		C12F44V100B	
50kA	25A	C11N34V025B	44360	C11N44V025B	88720
	50A	C11N34V050B		C11N44V050B	
	100A	C11N34V100B		C11N44V100B	
	160A	C12N34V160B		C12N44V100B	
70kA	25A	C11H34V025B	48910	C11H44V025B	97820
	50A	C11H34V050B		C11H44V050B	
	100A	C11H34V100B		C11H44V100B	
	160A	C12H34V160B		C12H44V100B	



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

ComPact NSXm NA switch-disconnector

With Compression Lug connectors

Rated Current	Three Pole Reference	Unit MRP [€]	Four Pole Reference	Unit MRP [€]
50A	C113000BS	1000	C114000BS	1900
100A	C113100BS	1700	C114100BS	3000
160A	C123160BS	2700	C124160BS	3800

ComPact NSXm NA switch-disconnector

With EverLink™ connectors

Rated Current	Three Pole Reference	Unit MRP [€]	Four Pole Reference	Unit MRP [€]
50A	C113050LS	1000	C114050LS	2000
100A	C113100LS	1700	C114100LS	2900
160A	C123160LS	2600	C124160LS	3800

Accessories for ComPact NSXm 16A to 160A



NSXm Accessories

Auxiliary contacts (changeover)

Description	Reference	Unit MRP [€]
Standard CH or CD	LV426960	1100

Rotary Handles

Description	Reference	Unit MRP [€]
Direct rotary handle		
Standard black handle	LV426930 / LV426931	140
Extended rotary handle		
Standard extended rotary black handle	LV426932 / LV426933	200
Side rotary handle		
Standard side rotary black handle	LV426934 / LV426935	300

Voltage Releases

Description	Shunt Release Reference	Unit MRP [€]	Under Voltage Reference	Unit MRP [€]
AC				
24 V 50/60 Hz	LV426841	290	LV426801	380
48 V 50/60 Hz	LV426842	400	LV426802	430
110/120 V 50/60 Hz	LV426843	290	LV426803	340
220-240 V 50/60 Hz	LV426844	390	LV426804	340
360-415 V 50 Hz	LV42684E	350	LV42680E	340
DC				
24 V	LV426841	290	LV426801	380
48 V	LV426842	400	LV426802	430
125 V	LV426843	290	LV426803	340
250 V	LV426844	390	LV426815	420

Spreader Links

Description	Reference	Unit MRP [€]
Spreaders & Phase Barriers		
Spreaders (Set of 3) 3P	LV426940	80
Spreaders (Set of 4) 4P	LV426941	100

Everlink Accessories

Description	Reference	Unit MRP [€]
Everlink Connectors		
Everlink connector with control wire terminal for 3P (Set of 3)	LV426970	100
Everlink connector with control wire terminal for 4P (Set of 4)	LV426971	130

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

SEE NORMAL STOCK ITEMS

WE1 January 30th, 2023

TeSys Power

Circuit Breakers for Motor Protection

GV4LE



- IEC/EN 60897-1, IEC/EN 60897-2, CCC, EAC
- Can be used with class 5, 10 or 20 trip
- Short Circuit Protection with an adjustable pick-up $I_n = 6$ to 14 I_n
- From 0.25 - 55kW

Magnetic Toggle Control

Motor Power AC-3 (400V/15V 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	12-20		GV4LE02NE		GV4LE02SE		
0.55-1.5	0.7-2	3.5	21-49		GV4LE03NE		GV4LE03SE		
1.5-3	2-4	7	42-96		GV4LE07NE		GV4LE07SE		
3.5-5	4-7.5	12.5	75-175		GV4LE12NE		GV4LE12SE		
6.5-11	7.5-14	25	150-360	GV4LE25NE		GV4LE25NE	On Request	GV4LE25SE	On Request
11-22	15-30	50	300-700	GV4LE50NE	On Request	GV4LE50NE		GV4LE50SE	
18.5-37	25-50	80	480-1120	GV4LE80NE		GV4LE80NE		GV4LE80SE	
30-55	40-75	115	600-1610	GV4LE115NE		GV4LE115NE		GV4LE115SE	

Note: For Evedlink termination please order after removing the E at the end. Eg. GV4LE11AN

GV4PE



- IEC/EN 60897-1, IEC/EN 60897-2, IEC/EN 60897-4-1, UL 60197-4-1, CCC, EAC, CSA
- Overload or thermal protection
- Short time delay protection
- Short circuit protection
- Fixed Ground fault protection
- Phase unbalance or phase loss
- Front indicators through LED
- Variable trip class : trip Class 10/ trip Class 20

Thermal Magnetic Protection Toggle Control

Motor Power AC-3 (400V/15V 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	0.8-2		GV4PE02NE		GV4PE02SE		
0.55-1.5	0.7-2	3.5	1.4-3.5		GV4PE03NE		GV4PE03SE		
1.5-3	2-4	7	2.9-7		GV4PE07NE		GV4PE07SE		
3.5-5	4-7.5	12.5	5-12.5		GV4PE12NE		GV4PE12SE		
6.5-11	7.5-14	25	10-25	GV4PE25NE		GV4PE25NE	On Request	GV4PE25SE	On Request
11-22	15-30	50	20-50	GV4PE50NE	On Request	GV4PE50NE		GV4PE50SE	
18.5-37	25-50	80	40-80	GV4PE80NE		GV4PE80NE		GV4PE80SE	
30-55	40-75	115	80-115	GV4PE115NE		GV4PE115NE		GV4PE115SE	

Note: For Evedlink version please order after removing the E at the end. Eg. GV4PE11AN

Crimp Lug/Busbar connection

Description	Sold in lots of	Reference
Crimped lug connector + screws	1	GV4LUG
Transparent terminal shield for crimped lug connector	1	LAD0600
Interphase barriers	6	TV42000
Spreader 3-pole	To increase the pitch to 35 mm	LV42040

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

☑️ M8/M12 STOCK ITEMS

W.E.F. January 30th 2023

TeSys Power

Circuit Breakers for Motor Protection

Accessories for GV4



MX Shunt Trip

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

MN Under Voltage Release

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

Description	Mounting	Voltage	Reference	Unit MRP [€]
Mx Shunt Trip	Internal, Plug-In	220-280 VAC 50 Hz, 208-240 VAC 60 Hz, 277 VAC 60 Hz	GVMA397	On Request
Mn Under Voltage Release	Internal, Plug-In	440-480 VAC 60 Hz	GVMA486	

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/Under-voltage release
- "Push In 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	GVMA11	On Request

Rotary Handles

Description	Type	Degree of Protection	Reference	Unit MRP [€]
Direct Mounting Rotary Handle	BLACK	IP40	GVMA0N01	On Request
	BLACK	IP54	GVMA0N01	
Front Extended Rotary Handle (Min Shaft Length 214mm/Max Shaft Length 621mm)	RED HANDLE ON YELLOW BEZEL	IP54	GVMAFN02	
	RED HANDLE ON YELLOW BEZEL	IP65	GVMAFN04	
	RED HANDLE ON YELLOW BEZEL	IP65	GVMAFN04	
	RED HANDLE ON YELLOW BEZEL	IP65	GVMAFN04	

Connection Accessories

Description	Reference
Spreader 3-pole (to increase pitch to 36mm) (1 pole)	GVK0940

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

COMPACT

Moulded Case Circuit Breaker

The new generation of reliable ComPacT circuit breakers features improved performance and easier installation.

- Gain a competitive edge with easy-to-upgrade, wireless connectivity of circuit breakers and panels.
- Experience easier installation thanks to a new ergonomic front-plate design.
- Improve build and installation times with screwless, plug-and-play auxiliaries.

se.com/compact-nxx



ComPacT™ molded-case circuit breaker

Life Is On

Schneider
Electric

ComPact NSX

New generation of ComPacT MCCBs



- Ethernet based communication system for monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for precise measurement
- Wireless auxiliary Contacts accelerates overall wiring time: status communication is done very simply and commissioned wirelessly
- Intelligent discrimination for continuity of service and enhanced discrimination by cascading
- Patented reflex tripping, independent of other protection functions, ensures ultra fast tripping in the event of very high short circuit
- Encapsulated roto-active double break contact system limits fault current for extended system life
- Best in class electrical life (30k cycles for NSX 100 @ 640 V) reduces operational expenditure
- High performance $\Rightarrow I_{cs} = I_{cu} = 100\text{kA}$ @ 690V AC

Range Details:

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



NSX Thermal Magnetic Trip Unit (TM-D)

- $I_{cs} = 100\% I_{co}$ as per IEC 60947-2
- Adjustable thermal setting 0.7 to 1 x In
- Adjustable magnetic setting 5 to 10 x In **
- transparent cover for trip unit as standard
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)

Breaking Capacity I_{cs} as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MCBP [A]	Four Pole Reference	Unit MCBP [A]
25kA	16A	C10031M016	13230	C10061M016	19010
	25A	C10031M025	13230	C10061M025	19010
	32A	C10031M032	13230	C10061M032	19010
	40A	C10031M040	13230	C10061M040	19010
	50A	C10031M050	13230	C10061M050	19010
	63A	C10031M063	13230	C10061M063	19010
	80A	C10031M080	13230	C10061M080	19010
	100A	C10031M100	13230	C10061M100	19010
	125A	C10031M125	23850	C10061M125	23850
	160A	C10031M160	26090	C10061M160	31470
	200A	C25031M200	36180	C25061M200	43660
	250A	C25031M250	36840	C25061M250	44340
30kA	16A	C10131M016	16120	C10161M016	20410
	25A	C10131M025	16120	C10161M025	20410
	32A	C10131M032	16120	C10161M032	20410
	40A	C10131M040	16120	C10161M040	20410
	50A	C10131M050	16120	C10161M050	20410
	63A	C10131M063	16120	C10161M063	20410
	80A	C10131M080	16120	C10161M080	20410
	100A	C10131M100	16120	C10161M100	20410
	125A	C10131M125	24090	C10161M125	30000
	160A	C10131M160	25290	C10161M160	31260
	200A	C25131M200	36810	C25161M200	45120
	250A	C25131M250	37600	C25161M250	46040
50kA	16A	C10N31M016	19120	C10N61M016	24040
	25A	C10N31M025	19120	C10N61M025	24040
	32A	C10N31M032	19120	C10N61M032	24040
	40A	C10N31M040	19120	C10N61M040	24040
	50A	C10N31M050	19120	C10N61M050	24040
	63A	C10N31M063	19120	C10N61M063	24040
	80A	C10N31M080	19120	C10N61M080	24040
	100A	C10N31M100	19120	C10N61M100	24040
	125A	C10N31M125	28070	C10N61M125	33310
	160A	C10N31M160	29680	C10N61M160	34970
	200A	C25N31M200	39460	C25N61M200	48200
	250A	C25N31M250	40210	C25N61M250	49140
70kA	16A	C10H31M016	24510	C10H61M016	31610
	25A	C10H31M025	24510	C10H61M025	31610
	32A	C10H31M032	24510	C10H61M032	31610
	40A	C10H31M040	24510	C10H61M040	31610
	50A	C10H31M050	24510	C10H61M050	31610
	63A	C10H31M063	24510	C10H61M063	31610
	80A	C10H31M080	24510	C10H61M080	31610
	100A	C10H31M100	24510	C10H61M100	31610
	125A	C10H31M125	34670	C10H61M125	43480
	160A	C10H31M160	36110	C10H61M160	45050
	200A	C25H31M200	47490	C25H61M200	59100
	250A	C25H31M250	48910	C25H61M250	60780

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

☑️ MCB/MCCB STOCK ITEMS

W.E.F. January 30th, 2023



NSX Micrologic 2 (μ P -ASIC based)

- Protection type I,SDIN
- Ics = 100% Icu as per IEC 60947-2
- Adjustable overload from 0.40 to 1 x In
- Adjustable short circuit from 1.5 to 10 x It
- Innovative front indication (LED's) (Ready, Overload pre-alarm & Overload)
- Two frames (ranging 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 Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP ₹	Four Pole Reference	Unit MRP ₹
25kA	40A	C10E320040 M	23670	C10E420040	30270
	100A	C10E320100 M	23670	C10E420100 M	30270
	160A	C16E320160 M	30040	C16E420160 M	35020
	250A	C25E320250 M	39400	C25E420250 M	50640
	40A	C10F320040	23910	C10F420040	30410
35kA	100A	C10F320100 M	23910	C10F420100 M	30410
	160A	C16F320160 M	30670	C16F420160 M	42250
	250A	C25F320250 M	41330	C25F420250 M	54280
	400A	C40F320400 M	51920	C40F420400 M	66020
	630A	C63F320630 M	61000	C63F420630 M	78530
50kA	40A	C10H320040	28690	C10H420040	36870
	100A	C10H320100 M	28690	C10H420100 M	36870
	160A	C16H320160 M	36340	C16H420160	47200
	250A	C25H320250 M	47210	C25H420250 M	61300
	400A	C40H320400 M	58910	C40H420400 M	77810
75kA	630A	C63H320630 M	67100	C63H420630 M	82000
	40A	C10H320040	36220	C10H420040	46870
	100A	C10H320100	36220	C10H420100	46870
	160A	C16H320160	46660	C16H420160	61860
	250A	C25H320250	54640	C25H420250	70710
100kA	400A	C40H320400 M	68160	C40H420400	80110
	630A	C63H320630 M	69960	C63H420630	81960

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

NSX Micrologic 2 (μ P -ASIC based) / TMD / MA+ shunt +GFP

- Protection type I,SDICN
- Ics = 100% Icu as per IEC 60947-2
- Fault indication for GF (LED type) meant for human safety
- Adjustable overload from 0.36 to 1 x In
- Adjustable short circuit from 1.5 to 10 x It
- 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 3P,3W & 3P,4W 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 ₹
CVSNSX100	32, 40, 50, 63, 80, 100	CFP11CT13P M	7300	CFP11CT14P M	8070
CVSNSX160 / 250	125, 160, 200, 250	CFP12CT23P M	8370	CFP12CT24P M	9460
CVSNSX400 / 630	400, 630	CFP13CT33P M	12670	CFP13CT34P M	13920

Note: Kindly order NSXCNS MCCB +GFP + Shunt trip coil.



NSX Micrologic 6E

Protection

- Ics = 100% Icn as per IEC 60947-2
- Breaking Capacity enhancement up to 150kA with a higher capacity upstream (Cascading)
- External Neutral CT required for highly unbalanced 1P-N system (CT has to be ordered at extra price)
- Adjustable neutral protection - N, N/2, OFF and overvoltage neutral (standard feature) for 4 Pole MCCB
- Adjustable overvoltage from 0.4 to 1 x Un and Ir = 0.5 to 10 s
- Adjustable short circuit from 1.5 to 10 x In and t_{sd} ON/OFF 0.1 to 0.4s
- Adjustable earth fault 0.4 to 1 x In (for In=40A) & 0.2 to 1 x In (for In=40A) and t_g ON/OFF 0.1 to 0.4s
- Instantaneous protection II 1.5 x In to 15 x In (40 - 100A), 12 x In (250 to 400A) and 11 x In (630A)
- Zone Selective Interlocking (ZSI) as standard

Measurement & Diagnostics

- Current, Voltage, Power factor and Frequency measurement
- Power Quality Indicator (THD for Current and Voltage)
- Active, Reactive and Apparent Power measurement and Embedded Energy metering
- Demand and maximum demand values
- Indicators for fault types, Alarms and Histories with timestamping
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and fault phase)
- Operation, trip and alarm counters; Operating Hours counter
- Contact wear: Load profile and thermal image

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MSP [T]	Four Pole Reference	Unit MSP [T]
36kA	100A	C10F36E100	On Request	C10F48E100	On Request
	160A	C16F36E160		C16F48E160	
	250A	C25F36E250		C25F48E250	
	400A	C40F36E400		C40F48E400	
	630A	C63F36E630		C63F48E630	
50kA	100A	C10N50E100	On Request	C10N63E100	On Request
	160A	C16N50E160		C16N63E160	
	250A	C25N50E250		C25N63E250	
	400A	C40N50E400		C40N63E400	
70kA	100A	C10H70E100	On Request	C10H80E100	On Request
	160A	C16H70E160		C16H80E160	
	250A	C25H70E250		C25H80E250	
	400A	C40H70E400		C40H80E400	
	630A	C63H70E630		C63H80E630	



NSX Magnetic Trip Unit MA type

- Ics = 100% Icu Ics per IEC 60847-2
- Adjustable magnetic setting in 6 to 14 x in (7.5 to 100A) & 9 to 14 x in (150 to 200A)
- Type - Z (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 60847-2	Rated Current	Three Pole Reference	Unit MRP [₹]
30kA	150A	C16F3MA150	25170
	220A	C25F3MA220	41300
50kA	150A	C16N3MA150	30160
	220A	C25N3MA220	46000
70kA	150A	C16I3MA150	46110
	220A	C25I3MA220	71510



MCCBs for DC Network Protection

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

- Up to 1200 A for ComPact NSX DC, protection is provided by thermal-magnetic trip units
- IM-D up to 160 A: fixed thermal threshold and magnetic pick-up
- IM-D up to 63 A: adjustable thermal threshold and fixed magnetic pick-up
- IM-DC from 80 to 250 A: fixed or adjustable (for 200 and 250 A) magnetic pick-up and adjustable thermal threshold
- IM-DC from 250 A to 1200 A: adjustable magnetic pick-up and adjustable thermal threshold
- IM-C, up to 250 A: adjustable thermal threshold and fixed low magnetic pick-up to protect long cables

Breaking Capacity Icu as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
30kA	400A	C40F3TM000	6620	C40F4TM000	6620
	600A	C63F3TM000	9940	C63F4TM000	9960
	800A	C83F3TM000	12720	C83F4TM000	12940
100kA	400A	C40S3TM000	7610	C40S4TM000	8610
	600A	C63S3TM000	11200	C63S4TM000	9310
	800A	C83S3TM000	17200	C83S4TM000	18120



NSX Micrologic 4 Vigi

- Standard protection for electrical distribution- overload, short circuit & neutral protection
- Earth leakage protection-Adjustable leakage threshold (I_{Δn}) and adjustable time delay threshold
 - Sensitivity I_{Δn} (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 I _{cn} as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MSDF (*)	Four Pole Reference	Unit MSDF (*)
25kA	40A	C10B3V040	On Request	C10B4V040	On Request
	100A	C10B3V100		C10B4V100	
	160A	C16B3V160		C16B4V160	
	250A	C25B3V250		C25B4V250	
30kA	40A	C10F3V040		C10F4V040	
	100A	C10F3V100		C10F4V100	
	160A	C16F3V160		C16F4V160	
	250A	C25F3V250		C25F4V250	
	400A	C40F3V400		C40F4V400	
50kA	570A	C63F3V570		C63F4V570	
	40A	C10N3V040		C10N4V040	
	100A	C10N3V100		C10N4V100	
	160A	C16N3V160	C16N4V160		
	250A	C25N3V250	C25N4V250		
70kA	400A	C40N3V400	C40N4V400		
	570A	C63N3V570	C63N4V570		
	40A	C10E3V040	C10E4V040		
	100A	C10E3V100	C10E4V100		
	160A	C16E3V160	C16E4V160		
70kA	250A	C25E3V250	C25E4V250		
	400A	C40E3V400	C40E4V400		
	570A	C63E3V570	C63E4V570		



Auxiliary contacts



SDTAM remote indication relay module



SDx remote indication relay module



Voltage Release



Motor Mechanism

Description	Reference	Unit MRP [€]
Auxiliary contacts (changeover) Multifunction		
CF or SD or SDE or SDV	29450 SE	1000
CF or SD or SDE or SDV low level	29452	1700
SDx adaptor for trip unit TM or MA or Micrologic 2 SS	LV429451 SS	940
SDx 2-Programmable Contacts for Micrologic		
SDx module 24V/15 V AC/DC	LV429502	16200
SDTAM contactor tripping module for Micrologic 2- M6 E-M		
SDTAM 24V/15 V AC/DC overload fault indication	LV429424	10000

[SE](#) to be considered alongside SDx contact for MCCB with 1MDMA/Micrologic 2 protection.

Voltage Releases

Description	Shunt Release Reference	Unit MRP [€]	Undervoltage Reference	Unit MRP [€]
AC				
24 V 50/60 Hz	LV429384	3170	LV429404	2000
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 SS		LV429406 SS	
220-240 V 50/60 Hz	LV429387 SS		LV429407 SS	
380-415 V 50 Hz	LV429388 SS		LV429408 SS	
525 V 50 Hz	LV429389		LV429409	
DC				
12 V	LV429392	3170	LV429402	3880
24 V	LV429390 SE		LV429410 SE	
30 V	LV429391		LV429411	
48 V	LV429393		LV429412	
60 V	LV429393	4400	LV429403	1420
175 V	LV429394	3170	LV429413	3880
250 V	LV429394		LV429414 SS	

Installation Accessories

Description	105/180/250A Reference	Unit MRP [€]	400V/300A Reference	Unit MRP [€]
Spreaders & Phase Barrier				
Spreaders (Set of 3) 30	LV431563 SE	720	32492 SE	1620
Spreaders (Set of 4) 40	LV431564 SE	970	32493 SE	2100
Phase Barrier (Set of 6)	*		LV432570 SE	980
Interlocking				
For Breaker with Rotary Handle	LV429359	11340	LV432621	14260
For Breaker with Toggle	LV429354	13600	LV432614	14420
Mechanical Interlocking with Base Plate	29349**		32609**	
Locking of Rotary Handle:				
Locking Device	LV429344 SE	720	LV432504 SE	900
Round Keylock (1 Lock + 1 Key set)	41940 SE	5400	41940 SE	5400
Round Keylock (2 Locks + 1 Key set)	41960 SE	9190	41960 SE	9190
Profile Keylock (1 Lock + 1 Key set)	42088	8600	42088	8630
Profile Keylock (2 Locks + 1 Key set)	42079	10710	42079	10770

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

[SE](#) NORMA STOCK ITEMS

W.E.F. January 30th, 2023



IOM121 Front Display Module



test Battery



Power Supply Module



SCM Breaker Status and Control Module

Motor Mechanism

Type	Voltage	100/100A Reference	Unit MPPT (1)	250A Reference	Unit MPPT (1)	400/630A Reference	Unit MPPT (1)
Motor Mechanism Modules with SDE Adaptor (1)							
AC 50/60 Hz	48-60 V	LV429440	3000	LV431548	4000	LV432640	4000
	110-130 V	LV429433		LV431540	3000	LV432640	
	220-240 V	LV429434		LV431541		LV432641	
	380-415 V	LV429435	2500	LV431542	3000	LV432642	
	440-480 V	LV429435		LV431542		LV432642	
DC	24-30 V	LV429436		LV431543		LV432643	4000
	48-60 V	LV429437	4000	LV431544	4000	LV432644	4000
	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	100/100/250A Reference	Unit MPPT (1)	400/630A Reference	Unit MPPT (1)
Locking of Motor Mechanism				
Keylock adaptor + Montix keylock (special)	LV429449	4000		
Locking Device			LV432649	1500
Form Keylock			41940	5000
Protolux Keylock			42688	8500
Longer Limiting Screws (Set of 12)	LV429413	3000	LV432613	3600

Monitoring and Control, test tools- ComPact and NSX100 - 630 Monitoring and Control (Remote Operation)

Description	Reference	Unit MPPT (1)
ULP Display Module		
Switchboard front display module IOM121	11W00121	10000
ULP Wiring Accessories		
NSX cord L = 0.75 m	LV434250	3000
NSX cord L = 1.5 m	LV434251	3000
START/STOP M/E Cord L = 1m	11W00810	3000
10 Stacking connectors for CDM interface	11W00717	5000
ULP Communication Module		
IPM MODBUS Interface Module	LV434000	13500
RSCM (Breaker Status and Control Module)	LV434205	12500
Power Supply Modules		
External power supply module 24 V DC-1 A OVC IV		
200-240 V AC	LV434444	19000
Packet battery for Micrologic NSX100-630	LV434356	28300

Maintenance Module for advanced configuration and testing, contact our nearest Sales office.
ULP = Universal Logic Plug

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

⚠ MINIMAL STOCK ITEMS

W.E.F. January 30th, 2023



Direct Rotary Handle



Extended Rotary Handle



Plug in Base



Draw Out Chassis Kit

Description	100A/1600V/50A Reference	Unit MRP [€]	400V/50A Reference	Unit MRP [€]
Rotary Handles				
Standard direct black handle	LV429337 [E]	1500	LV432597 [E]	2300
Standard extended rotary handle	LV429338 [E]	2100	LV432598 [E]	3130
Plug in Base (Complete Kit)				
3 Pole	LV429285 [E]	12000	LV432538 [E]	21120
4 Pole	LV429290 [E]	15840	LV432539 [E]	28560
Draw-Out Chassis Kit				
3 Pole				
Plug in base	LV429285 [E]	12000	LV432538 [E]	21120
Chassis Side Plate for base	LV429287 [E]	15950	LV432532 [E]	30200
Chassis Side Plate for breaker	LV429283 [E]	8400	LV432533 [E]	11100
4 Pole				
Plug in base	LV429290 [E]	15840	LV432539 [E]	28560
Chassis Side Plate for base	LV429287 [E]	15950	LV432532 [E]	30200
Chassis Side Plate for breaker	LV429283 [E]	8400	LV432533 [E]	11100
Plug in / Withdrawable version Accessories				
Automatic Auxiliary Connectors				
1 9 wire fixed connector (for base)	LV429273	1600	LV432573 [E]	1600
1 9 wire moving connector (for circuit breaker)	LV429274	1100	LV432572 [E]	1250
1 support for 2 moving connectors	LV429275	900	LV432575 [E]	900
Manual Auxiliary Connectors				
9 wire manual auxiliary connector (fixed + moving)	LV429277	1800	LV432577 [E]	1800

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

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 (tr) 0.5 - 3 sec
- System healthiness check through I.F.D. indication
- Individual fault indication for OI/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 3rd & 3rd MW electrical distribution network

MCCB Frame	Relay Module rated current	3 Ph + 3W Reference	Unit MVA* (V)	3 Ph + 4W Reference	Unit MVA* (V)
CVS/NSX100	32, 40, 50, 63, 80, 100	CFP11CT10P 48	2370	CFP11CT11P 48	8070
CVS/NSX 160 / 250	125, 160, 200, 250	CFP12CT20P 48	8370	CFP12CT21P 48	9000
CVS/NSX 400 / 630	400, 630	CFP13CT30P 48	12670	CFP13CT31P 48	13820

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

Earth Leakage Protection

ComPact NSX VigiPacT Add-on Module



- Compliance with standards - IEC60947-2 Annex B, IEC 61756, Type A, immunity to DC components up to 5 mA
- Sensitivity in (A) 0.02, 0.1, 0.2, 0.5, 1, 3
- Time delay (ms) 0, 60, 150, 300, 500, 800, 1.2s, 4s
- VigiPacT add-on may be equipped with an auxiliary contact (5A) to instantly signal tripping due to an earth fault
- Self powered - "no external supply required"

MCCB Frame	Three Pole P Reference	Unit MVA* (V)	Four Pole Reference	Unit MVA* (V)
NSX - 100/160	LV420488 38	25640	LV420489	28110
NSX - 250	LV429492	28050	LV429493	29000
NSX - 400/630	LV430464	43460	LV430465	42340

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

88 MCB/MS STOCK ITEMS

W.E.F. January 30th, 2023

New PacT Series

ComPacT NS

Molded Case Circuit Breakers
and Switch-Disconnectors
from 630b to 3200 A



ComPact NS

Deliver the best solution for your customers



- **Enhance power availability** with total control of selectivity and power management with advanced trip unit.
- **Optimize panel cost with cascading**; the Compact NS technology covers all your needs from 630 to 3200 A, with a breaking capacity from 50 to 200 kA.
- Equipped with electronic control units, the Compact NS circuit breakers **ensure protection and measurement of your electrical installation**.
- **Provide efficiency to your customer** with small size and multi-ways of installation and highly immune protection system insensitive to disturbances (IEC 60947-2 Annex F).

Standards:

Compact NS circuit breakers and auxiliaries comply with:

- IEC/EN 60947-1: General rules
- IEC/EN 60947-2: Circuit-breakers
- IEC/EN 60947-3: Switch-disconnectors
- IEC/EN 60947-4-1: Contactors and motor-starters
- IEC/EN 60947-6-1: Control circuit devices

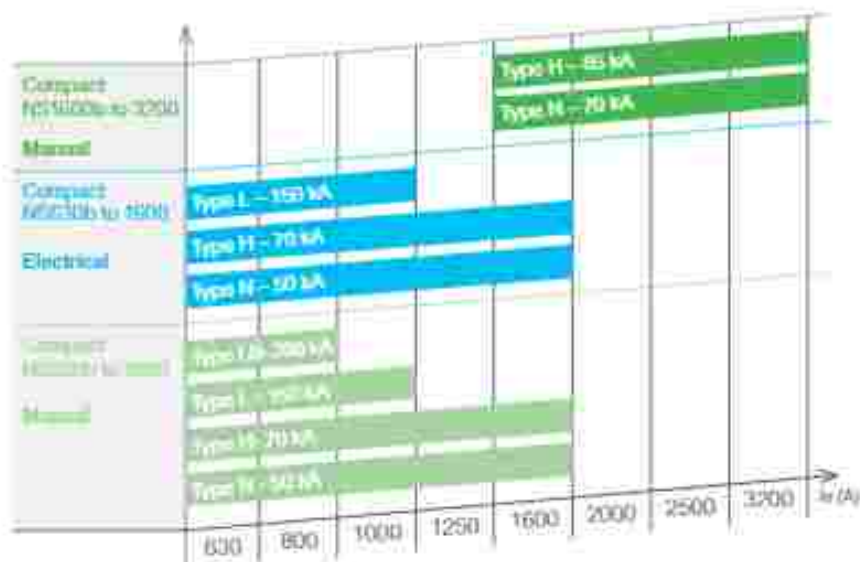
The Compact NS range covers all ratings from 630 to 3200 A

Compact NS630b to 1600

- Compact NS from 630 to 1600 A, fixed or withdrawable, front or rear connection, manual operating mechanism or motor mechanism. A 200 kA breaking performance completes the Compact NS range

Compact NS1600b to 3200

- Compact NS from 1600 to 3200 A, fixed, front connection, with manual operating mechanism



ComPact NS

Contribute to a Better World. Enhance Sustainability with ComPacT Range

Achieve Green Building Certification with Green Premium Ecolabel

In compliance with ISO 14025 PEP ecospassport program, we publish a comprehensive Life Cycle Analysis of our product, providing the environmental data you need to achieve Green Building certifications.

For example, ComPacT NS contribute to 3 LEED™ points in the Building Product Disclosure and Optimization section:

- Environmental Product Declaration
- Material Ingredients



ComPacT range is now enriched with the new ComPacT NS, designed according to the EcoDesign Way™ by Schneider. It now features new space saving frame size for reduced resource consumption, and more.



Micrologic Control Units - Salient Features

Circuit breakers and switch-disconnectors from 800 to 3200A

- Category B MCCBs
- Ethernet based monitoring, control, alarm notification for energy, asset and network management
- Built-in energy metering with combined accuracy class of 2% for improved energy efficiency
- Total Discrimination
- With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature
- Available in both fixed & drawout versions, manually & electrically operated



Micrologic

With Micrologic 2.0

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



Micrologic A

Micrologic 6.0.A Manual & Electrical Fixed

- Features over and above Micrologic 2.0
- Earth fault protection 0.3 to 1 x In (for In < 400A) & 0.2 to 1 x In (for 400A < In < 1250A), 500A to 20A x In (for In >= 1250A), time setting I2t ON/OFF 0.1 - 0.4s and time delay
- With ammeter display & bargraph (unique feature of Schneider MCCB)
- Internal fault (Ap), Individual fault indication by LED
- Zone Selective Interlocking
- Optional Communication



Micrologic E

Micrologic 6.0E (Embedded Energy Metering)

- Features over and above Micrologic 6.0 A
- Current measurement: Ammeter, current demand,
- Voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)



Micrologic P

Micrologic 6.0P

- Micrologic P control units include all the functions offered by Micrologic E
- Measure voltages and calculate power and energy values
- New protection functions based on currents, voltages, frequency
- Power reinforce load protection in real time

EasyPact EZC

Safe, Reliable and Easy



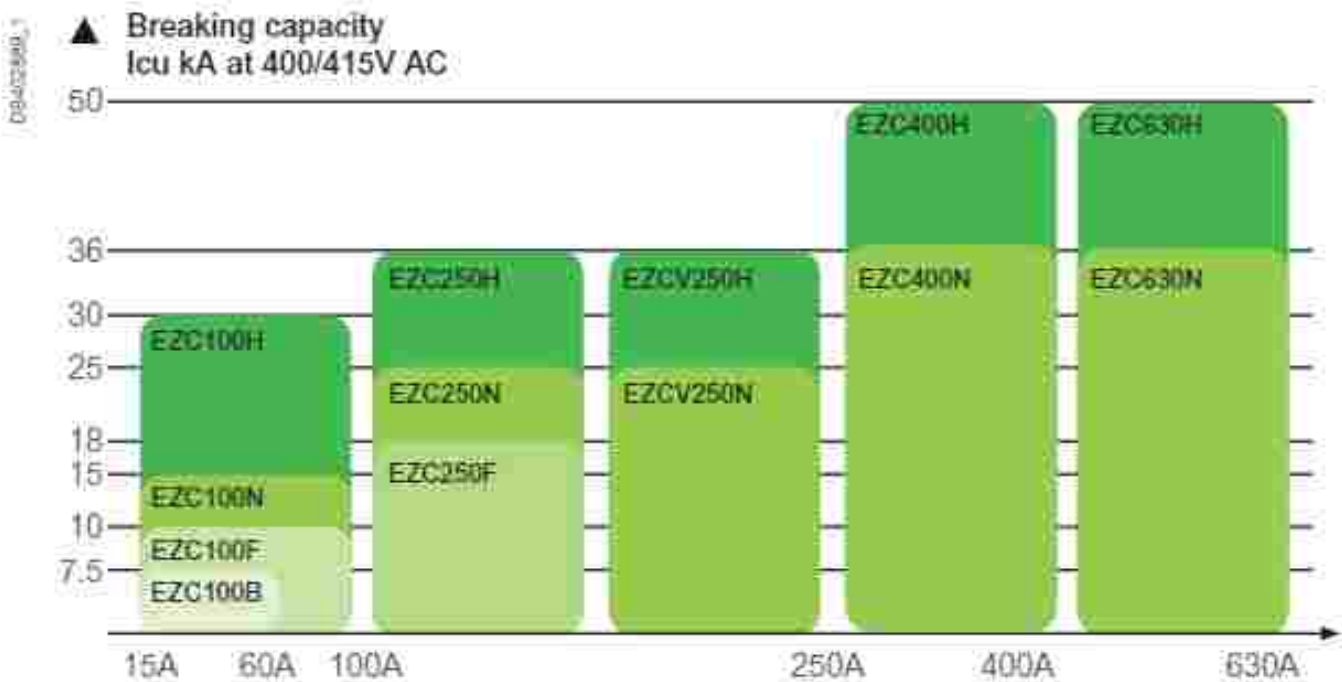
With just three sizes of circuit breakers, Schneider Electric's EasyPact EZC system is the simple, universal solution, particularly

adapted to Buildings and OEM segments:

- Suitability for location ensures safety
- Compliance to RoHS (Restriction of Hazardous Substances) for environmental safety

Range Details:

- Global MCCB offer from 15A to 600A
- Breaking capacity up to 50kA @ 415 V AC
- 1P, 2P, 3P and 4P versions available
- EZC AC version is suitable for DC applications up to 280V DC (15A to 250A breaking capacity up to 30kA)



EZC Fixed Thermal Magnetic Trip Unit (TMD)

- Complies to IEC60947-2
- Suitable for isolation

BREAKING CAPACITY (CU AS PER IEC 60947-2)	Rated Current	Three Pole Reference	Unit MRP [₹]	
10 kA @ 115V AC 5kA @ 250V DC (2pole in series)	10A	EZC100I 3010	3610	
	20A	EZC100I 3020		
	25A	EZC100I 3025		
	32A	EZC100I 3032		
	40A	EZC100I 3040		
	50A	EZC100I 3050		
	63A	EZC100I 3063		
	80A	EZC100I 3080		
10 kA @ 115V AC 5kA @ 250V DC (2pole in series)	100A	EZC100I 3100	9200	
	125A	EZC250I 3125	9250	
	150A	EZC250I 3150	10300	
	160A	EZC250I 3160	10300	
	175A	EZC250I 3175	13000	
	200A	EZC250I 3200		
Breaking Capacity (CU as per IEC 60947-2)	Rated Current	Three Pole Reference	Unit MRP [₹]	
10 kA @ 115V AC 5kA @ 250V DC (2pole in series)	250A	EZC250I 3250	15200	
Breaking Capacity (CU as per IEC 60947-2)	Rated Current	Single Pole	Unit MRP [₹]	
10 kA @ 240V AC 5kA @ 125V DC	10A	EZC100N1010	4800	
	20A	EZC100N1020	2000	
	25A	EZC100N1025	3340	
	32A	EZC100N1032		
	40A	EZC100N1040	2000	
	50A	EZC100N1050		
	63A	EZC100N1063	3300	
	80A	EZC100N1080	2000	
10 kA @ 240V AC 5kA @ 125V DC	100A	EZC100N1100	2000	
	Breaking Capacity (CU as per IEC 60947-2)	Rated Current	Two Pole Reference	Unit MRP [₹]
	50 kA @ 240V AC 10kA @ 250V DC (2pole in series)	10A	EZC100I 0010	4770
		20A	EZC100I 0020	
		25A	EZC100I 0025	
		32A	EZC100I 0032	
40A		EZC100I 0040		
50A		EZC100I 0050		
63A		EZC100I 0063		
80A		EZC100I 0080		
50 kA @ 240V AC 10kA @ 250V DC (2pole in series)	100A	EZC100I 0100	9000	
	125A	EZC250I 0125	11570	
	150A	EZC250I 0150	13210	
	160A	EZC250I 0160	13210	
	175A	EZC250I 0175	13900	
	200A	EZC250I 0200		
Breaking Capacity (CU as per IEC 60947-2)	Rated Current	Three Pole Reference	Unit MRP [₹]	
50 kA @ 240V AC 10kA @ 250V DC (2pole in series)	250A	EZC250I 0250	14200	

Note:

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

Breaking Capacity Ico as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)
*30 kA @ 415V AC 10kA @ 240V DC (2pole in series)	15A	EZC100H0015	6620	EZC100H0020	9680
	20A	EZC100H0020		EZC100H0025	
	25A	EZC100H0025		EZC100H0030	
	30A	EZC100H0030		EZC100H0035	
	40A	EZC100H0040		EZC100H0050	
	50A	EZC100H0050		EZC100H0060	
	63A	EZC100H0063		EZC100H0075	
	80A	EZC100H0080		EZC100H0090	
	100A	EZC100H0100		EZC100H1100	
	125A	EZC250H0125		9620	
*25 kA @ 415V AC 20kA @ 240V DC (2pole in series)	160A	EZC250H0160	11630	EZC250H0160	15440
	200A	EZC250H0200	13690	EZC250H0200	17200
Breaking Capacity Ico as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)
*25 kA @ 415V AC 20kA @ 240V DC (2pole in series)	250A	EZC250H0250	14640	EZC250H0250	20230
	Breaking Capacity Ico as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference
*35 kA @ 415V AC 30kA @ 240V DC (2pole in series)	125A	EZC250H0125	8700	EZC250H0125	13070
	160A	EZC250H0160	12700	EZC250H0160	16860
	200A	EZC250H0200	16770	EZC250H0200	21310
Breaking Capacity Ico as per IEC 60847-2	Rated Current	Three Pole Reference	Unit MRP (₹)	Four Pole Reference	Unit MRP (₹)
*35 kA @ 415V AC 30kA @ 240V DC (2pole in series)	250A	EZC250H0250	14640	EZC250H0250	20230
	375A	EZC400H0375N	26630	EZC400H0375N	36720
*50 kA @ 415V AC	400A	EZC400H0400N	27480	EZC400H0400N	36780
	500A	EZC500H0500N	36400	EZC500H0500N	47380
	630A	EZC500H0630N	37940	EZC500H0630N	48620

Note:

- Contact customer care for 1P (up to 100A) and 3P (up to 250A) requirements.

Description	EZC100 Reference	Unit MRP [€]	EZC250 Reference	Unit MRP [€]
Auxiliary Contacts (changeover) Multifunction				
Auxiliary Switch 1 C/O	EZALX10	1150	EZLAK	1400
Alarm Switch 1 C/O	EZALX01		EZLAN	
Alarm - Auxiliary Switch	EZALX11	1710	EZLAXA	2030
Spreaders				
Spreaders * (Set Of 3) 3P	EZASPR3P	400	EZLSPR3P	700
Spreaders * (Set Of 4) 4P	EZASPR4P	570	EZLSPR4P	890
Phase Barriers				
	EZAFASB	390	EZLAFASB	410
Rotary Handle				
Direct Rotary handle	EZAR011S	1630	EZLRO11S	2030
Extended Rotary handle	EZAR01E	2400	EZLRO1E	2400
Shunt Release				
AC				
100-130 V	EZASH1100AC		EZLSH1100AC	2450
200-277 V	EZASH1200AC	2470	EZLSH1200AC	
380-480 V	EZASH1380AC	2810		2470
DC				
24 V	EZASH1024DC	2710	EZLSH1024DC	2900

Description	EZC 400/600 Reference	Unit MRP [€]
Auxiliary Contacts		
OF or SO or BOE	29450	1000
Spreaders		
Spreaders (Set of 3) 3P	32492	1650
Spreaders (Set of 4) 4P	32493	2100
Phase Barriers (Set of 6)		
	LV432570	900
Rotary Handle		
Direct Rotary handle	LV432597	2300
Extended Rotary handle	LV432598	3700
Shunt Release		
AC 220-240 V 50/60 Hz	LV429087	3170

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

☑️ MRRM: STOCK ITEMS

WEF: January 30th, 2023

Earth Leakage Protection is obtained by:

- Installing a Micrologic 7.0A control unit (CortiPaet HS800) - 3200A MasterPaet N (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
- Cased 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 Systems

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

Type	Control Voltage	Typical mount Reference	Unit MRP (£)	Front panel mount Reference	Unit MRP (£)
R11D with local manual fault reset	220/240VAC	56130	15000	56230	17500
Sensitivity - 0.03A	380/415VAC	56140		56240	20000
R11D with local manual fault reset	220/240VAC	56173	20000	56273	25130
Sensitivity - 0.03-30A & time delay - 0-4.5s	380/415VAC	56174		56274	27440
R11R/P with local manual or automatic fault reset	220/240VAC			56307*	29070
Sensitivity - 0.03-30A & time delay - 0-4.5s	380/415VAC			56308*	67000
R11R/P with local manual or automatic fault reset	220/240VAC			56312**	65110
Sensitivity - 0.03-30A & time delay - 0-4.5s	380/415VAC			56313**	31000

* alarm at 50% of fault threshold

** alarm at 100% of fault threshold

Vigirex Sensors



Type	mA Rated Operational Current	Circle Diameter (mm)	Reference	Unit MRP (£)
TA30	60	30	50432	10100
TA50	95	50	50438	16200
TA80	160	80	50439	10000
MAT70	250	170	50440	20330
SA200	400	200	50441	31500
GA300	630	300	50442	65810

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



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

- Complies to IEC 60947-3/5 13017 - 3
- Rated operational voltage 500V/690V
- Range 40A to 2500A
- Rated operational current @ AC 23A
- No operation upto 60° C
- Positive contact indication
- Common accessories with ComPact NSX(single auxiliary contact)
- Making capacity enhanced with ComPact NSX upstream

Pole Description	Rated Operational Current	Reference	Unit MSRP €
Interpact Range of Switch Disconnectors			
3 Pole	40 A AC 23A	28900	6880
	63 A AC 23A	28902	8070
	100 A AC 23A	28906	9620
	125 A AC 23A	28910	10360
	160 A AC 23A	28912	11550
	200 A AC 23A	31102	20990
	250 A AC 23A	31106	21210
	320 A AC 23A	31108	24550
	400 A AC 23A	31110	38920
	630 A AC 23A	31114	60250
4 Pole	40 A AC 23A	28901	7460
	63 A AC 23A	28903	8930
	100 A AC 23A	28909	10380
	125 A AC 23A	28911	11150
	160 A AC 23A	28913	12770
	200 A AC 23A	31103	25430
	250 A AC 23A	31107	25650
	320 A AC 23A	31109	30020
	400 A AC 23A	31111	41330
	630 A AC 23A	31115	63220
Interpact Changeover Systems (Complete Assembly)			
3 Pole	100 A AC 23A	31140	64020
	160 A AC 23A	31144	69680
	200 A AC 23A	31142	76830
	250 A AC 23A	31146	77760
	320 A AC 23A	31148	120040
	400 A AC 23A	31150	120060
	630 A AC 23A	31154	141460
4 Pole	100 A AC 23A	31141	73820
	160 A AC 23A	31145	79860
	200 A AC 23A	31143	90430
	250 A AC 23A	31147	91570
	320 A AC 23A	31149	142960
	400 A AC 23A	31151	146060
	630 A AC 23A	31155	167960

Description	Reference	Unit MSRP [€]
Accessories		
Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)	(V451060)	5040
Optional front extended rotary handle INS 320, 400 - black handle (Switch Disconnector)	31067	8000
Optional front extended rotary handle INS 40, 160 - black handle (Switch Disconnector)	(V452941)	3000
6 phase separators - INS100, 160	28969	1300
6 phase separators - INS250	29309	1460
6 phase separators - INS400, 630	(V452570)	990

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

MSRMS: STOCK ITEMS

W.E.F. January 30th, 2023



Fuse solutions from the world leader in electrical distribution

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

Range Details: NX range Switch Disconnecter Fuse

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

Range Details: ISFT range Fuse Switch Disconnecter

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

Range Details: ISFL range Vertical Fuse Switch Disconnecter

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

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

Without Enclosure

Rated Operational Current	Fuses Description	DIN Type Reference	Unit Price [€]
32 A	3P + N	NX032TT(NC) 00	3865
63 A	3P + N	NX063TT(NC) 00	4500
80 A	3P + N	NX080TT(NC) 00	6640
100 A	3P	NX100TT(NC) 00	9020
	3P + N	NX100TT(NC) 00	9600
125 A	3P	NX125TT(NC) 00	11230
	3P + N	NX125TT(NC) 00	12150
160 A	3P + N	NX160TT(NC) 00	13250
200 A	3P + N	NX200TT(NC) 00	17010
	3P	NX200TT(NC) 00	20950
250 A	3P + N	NX250TT(NC) 00	20450
	4P	NX250TT(NC) 00	24510
315 A	3P + N	NX315TT(NC) 00	26335
400 A	3P + N	NX400TT(NC) 00	34650
	3P	NX400TT(NC) 00	40145
630 A	3P + N	NX630TT(NC) 00	50420

Accessories/Spares

Description	Reference	Unit Price [€]
NX032/NX063/NX080		
Auxiliary contact for FuPact	NX03A11 00	620
Handle operating mechanism (HOM) NX032...NX080	N0011	670
NX100/NX125/NX160		
Auxiliary contact for FuPact	NX03A11 00	600
Fuse holder DIN for RIS type NX100...NX160	N001B21	300
Handle operating mechanism NX100...NX160	N0012 00	1260
NX200		
Auxiliary contact for FuPact	NX03A11 00	600
Fuse holder for RIS type NX200	N001B22	340
Fuse holder for DIN NX200	N001B22	190
Handle operating mechanism NX200	N0012 00	1260
NX250/315/400		
Auxiliary contact for FuPact	NX03A11 00	600
Handle operating mechanism for NX250...NX400	N0013	1300
NX630		
Auxiliary contact for FuPact	NX03A11 00	600

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

Future of Power Distribution

MasterPact MTZ

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



NOW, YOU'RE READY...

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

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

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



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

- Available from 630A to 6300A
- Breaking capacity up to 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



EcoStructure Power Design software
Single line diagram design software that calculates and sizes your electrical installation.

EcoStructure 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



EcoStructure Power Commission software
Commission and upgrade easily with protection setting and factory acceptance test.



OPERATE AND MAINTAIN



Monitor with EcoStructure 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



 EcoStructure Power monitoring software
Power Monitoring Expert
Power SCADA Operation
Building Operation
Facility Advisor



CUSTOMIZE OR UPGRADE



Operate with MicroLogic X control unit

 Locally in the facility room
Order on my.se

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

MasterPact MTZ

Overview of MicroLogic X Trip Unit

Measurement

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

Maintenance & Diagnostics

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

Protection

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



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

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

Communication

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

The Benchmark for Power Circuit Breakers around the world

MasterPact NT/NW

LV power circuit breakers 630 to 6300 A



Network Protection



Supervision



ComPact

MasterPact NT and NW

The Benchmark For Power Circuit Breakers Around The World



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

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



Building Energy Industry Datacenter
& Infrastructure

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

Range Details:

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

*Not Applicable for 4000A and 6300A

Micrologic Trip System Overview of functions

Micrologic name codes

2.0 E
X Y Z

X: type of protection

- 2 for basic protection
- 5 for selective protection
- 6 for sensitive + 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"



Measurements and programmable protection

- 3rd and 4th harmonics measurement and multiplier 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 section).

P: E + power meter + programmable protection

- measurements of V, A, W, VAR, VA, Wh, VAh, VAh, I_{cr}, V_{peak}, A_{peak}, power factor and maximums and minimums
- ICM (L): 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 instructions, event histories and time-stamping, etc.

H: P + harmonics

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

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: 1 or ATS with MasterPact NT/NW ACB, order 2 nos. of ACB's with ready to close I²t contact + 1 no. ATS Kit



ACP Unit



IVE Unit



Controller



Mechanical interlocking using cable

Description	Reference	Unit (MTR) [1]
ATS Kit for MasterPact NT EDD type with UA 415VAC controller	INA MTR004	2000A
ATS Kit for MasterPact NT EDD type with UA 415VAC controller	INA MTR004	2500A
ATS Kit for MasterPact NW EDD type with UA 415VAC controller	INA MTR004	2500A
ATS Kit for MasterPact NW EDD type with UA 415VAC controller	INA MTR004	2000A

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

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

The easy choice for reliable performance

EasyPact MVS

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



EasyPact MVS

The easy choice for reliable performance



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

Range Details:

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

ET/ETA/ETV Trip System

A step towards intelligent Electrical Distribution Network



	ET TRIP UNIT	ETA Trip Unit	ETV TRIP UNIT
Features	Current Measuring	●	●
	Energy Measuring	●	●
	ZSI	●	●
	% Loading Bar Graph for each phase	●	●
	Thermal Memory	●	●
Protection	Last 10 Trip History		●
	2(I, U)	2I	2A
		6C	6A

EasyPact ACB Communication Module



Connect



Control



Manage

Make Communication architecture affordable and Easy to maintain

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



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



Material Description

EasyPact MVS Communication module EasyCom

Reference

MVS21430

Unit MRP [1]

16250

EasyPact MVS Draw-out ACB

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



- Complies to IEC 60897-2 & 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 protection
- Icu-Ics-Icw(1sec) = 50kA @ 440V AC

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

Rating In (A)	3P Draw-Out Manual Reference	Unit MPP (T)	3P Draw-Out Electrical Reference	Unit MPP (T)	4P Draw-Out Manual Reference	Unit MPP (T)	4P Draw-Out Electrical Reference	Unit MPP (T)
800	MVS08N3MWEL	24500	MVS08N3NWEEL	33100	MVS08N4MWEL	37400	MVS08N4NWEEL	39780
1100	MVS11N3MWEL	26900	MVS11N3NWEEL	34400	MVS11N4MWEL	37900	MVS11N4NWEEL	41760
1250	MVS12N3MWEL	30660	MVS12N3NWEEL	37300	MVS12N4MWEL	38400	MVS12N4NWEEL	46200
1600	MVS16N3MWEL	34160	MVS16N3NWEEL	41600	MVS16N4MWEL	41600	MVS16N4NWEEL	49100
2000	MVS20N3MWEL	45900	MVS20N3NWEEL	53000	MVS20N4MWEL	60600	MVS20N4NWEEL	63800
2500	MVS25N3MWEL	56700	MVS25N3NWEEL	66200	MVS25N4MWEL	69400	MVS25N4NWEEL	75200
3200	MVS32N3MWEL	68060	MVS32N3NWEEL	76000	MVS32N4MWEL	84100	MVS32N4NWEEL	91600
4000	MVS40N3MWEL	83060	MVS40N3NWEEL	91000	MVS40N4MWEL	102200	MVS40N4NWEEL	115200

EasyPact MVS Draw out ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET6G trip unit		How to arrive at new reference number*
Switch Disconnector version (without trip unit)	Reduce	†19300	Example - ACB reference with ET6G trip unit - MVS08N3MWEL. For switch disconnector reference replace 6L by 0D i.e. MVS08N3MW0D
ACB with ET6A trip unit (LCD display with Current Metering)	Add	†6200	Example - ACB reference with ET6G trip unit - MVS08N3MWEL. For ACB reference with ET6A trip unit replace 6L by 6A i.e. MVS08N3MW6A
ACB with ET6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	†21200	Example - ACB reference with ET6G trip unit - MVS08N3MWEL. For ACB reference with ET6V trip unit replace 6L by 6V i.e. MVS08N3MW6V

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

Note:

All draw out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
 - 1 No. Electrical fault indication Contact (SEI).
 - No. Auxiliary contact block (AI) with 4 CO contacts.
 - Safety shutters on Chassis & door sealing frame - Escutcheon (COP).
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (CC) & shunt release (MR).
 - External Neutral CT required for highly unbalanced TN-N system has to be ordered at extra price.
 - Any other accessories are optional at extra price.
 - The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example:
 - MVS08N3NWEEL can be represented as MVS08N3EWEEL
 - MVS08N3NWEEL can be represented as MVS08N3EWEEL

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

88 NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

EasyPact MVS Draw-out ACB

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



- Complies to IEC 60897-2 & 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 protection
- Icu=105-100(150k) = 50KA @ 440V AC

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

Rating In (A)	3P Draw-Out Manual Reference	Unit MRP (₹)	3P Draw-Out Electrical Reference	Unit MRP (₹)	4P Draw-Out Manual Reference	Unit MRP (₹)	4P Draw-Out Electrical Reference	Unit MRP (₹)
800	MVS0803MW2L	248530	MVS0803NW2L	204300	MVS0804MW2L	245000	MVS0804NW2L	200000
1000	MVS1003MW2L	257520	MVS1003NW2L	207310	MVS1004MW2L	300450	MVS1004NW2L	205250
1250	MVS1253MW2L	293180	MVS1253NW2L	267230	MVS1254MW2L	365310	MVS1254NW2L	241000
1600	MVS1603MW2L	334180	MVS1603NW2L	288970	MVS1604MW2L	409380	MVS1604NW2L	284170
2000	MVS2003MW2L	451520	MVS2003NW2L	376310	MVS2004MW2L	556200	MVS2004NW2L	333900
2500	MVS2503MW2L	549950	MVS2503NW2L	434450	MVS2504MW2L	665400	MVS2504NW2L	396200
3200	MVS3203MW2L	678660	MVS3203NW2L	533340	MVS3204MW2L	803680	MVS3204NW2L	508470
4000	MVS4003MW2L	831550	MVS4003NW2L	668340	MVS4004MW2L	1070350	MVS4004NW2L	668580

EasyPact MVS Draw out ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET2L trip unit	Unit MRP (₹)	How to arrive at new reference number*
ACB with 1.17A trip unit (LCD display with Current Metering)	Add	₹4800	Example: ACB reference with ET2L trip unit - MVS0803MW2L. For ACB reference with 1.17A trip unit replace 2L by 2A i.e. MVS0803MW2A
ACB with 1.17V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹13800	Example: ACB reference with ET2L trip unit - MVS0803MW2L. For ACB reference with 1.17V trip unit replace 2L by 2V i.e. MVS0803MW2V

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

Note:

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

- Top and Bottom horizontal terminations
 - 1 No. Electrical fault indicator Contact (SEI)
 - 1 No. Auxiliary contact block (OT) with 4 C/O contacts
 - Safety shutters on Chassis & door sealing frame: Touchless (CLP)
- All electrical operated breakers are supplied with motor mechanism (MCI), closing coil (CC) & shunt release (MX)
 - External Neutral CT required for highly unbalanced 3P N system has to be ordered at extra price.
 - Any other accessories are optional at extra price.
 - The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
MVS0803NW2L can be represented as MVS0803EHWL
MVS0803NW2L can be represented as MVS0803EHWL

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

☑️ MVRMA: STOCK ITEMS

W.E.F. January 30th, 2023

EasyPact MVS Fixed ACB

Fixed type Circuit breakers & Switch Disconnectors 800-4000A



- Complies to IEC 60897-2 & 3
- Microprocessor based IT 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 indications (EDS)
- Icu-Ics=low (Sec) =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	MVS080MFE	191500	MVS080NFE	260300	MVS080MFE	242500	MVS080NFE	310300
1100	MVS110MFE	200700	MVS110NFE	280500	MVS110MFE	265500	MVS110NFE	330500
1250	MVS125MFE	341050	MVS125NFE	375800	MVS125MFE	321100	MVS125NFE	370900
1600	MVS160MFE	267500	MVS160NFE	342300	MVS160MFE	346800	MVS160NFE	400600
2000	MVS200MFE	345500	MVS200NFE	420000	MVS200MFE	451500	MVS200NFE	520300
2500	MVS250MFE	471200	MVS250NFE	600500	MVS250MFE	522200	MVS250NFE	601500
3200	MVS320MFE	600000	MVS320NFE	677800	MVS320MFE	744000	MVS320NFE	818800
4000	MVS400MFE	742500	MVS400NFE	817200	MVS400MFE	909000	MVS400NFE	1005700

EasyPact MVS Fix ACB

ACB variants	LP changes for product Configuration w.r.t. ACB having ET6G trip unit		How to arrive at new reference number*
Switch Disconnector version (without trip unit)	Reduce	₹19300	Example : ACB reference with ET6G trip unit - MVS080MFE6L. For switch disconnector reference replace 6L by 00 i.e. MVS080MFE00
ACB with 1 T6A trip unit (LCD display with Current Metering)	Add	₹9200	Example : ACB reference with ET6G trip unit - MVS080MFE6L. For ACB reference with 1 T6A trip unit replace 6L by 6A i.e. MVS080MFE6A
ACB with 1 T6V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	₹21200	Example : ACB reference with ET6G trip unit - MVS080MFE6L. For ACB reference with 1 T6V trip unit replace 6L by 6V i.e. MVS080MFE6V

* 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 (SEI)
 - 1 No. Auxiliary contact block (OF) with 4 C/O contacts
 - door sealing frame - Escutcheon (CDF)
- All switch disconnectors are without protection
 - All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XC) & shunt release (MX)
 - External Neutral CT required for highly un-balanced 11 kV N system has to be ordered at extra price
 - Any other accessories are optional at extra price
 - The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
MVS080NFE6L can be represented as MVS080NFEW6L
MVS080MFE6L can be represented as MVS080MFE6L

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

88 NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

- Complies to IEC 60847-2 & 3
- Microprocessor based I.T. trip systems with thermal memory
- No derating up to 50° C
- Fully rated neutral with insull protection
- Pre trip alarm & individual fault indicating LEDs
- Icu = Ics = Icw (3sec) = 50KA @ 440V AC

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

Rating in (A)	3P Fix. Manual Reference	Unit MRP (₹)	3P Fix. Electrical Reference	Unit MRP (₹)	4P Fix. Manual Reference	Unit MRP (₹)	4P Fix. Electrical Reference	Unit MRP (₹)
800	MVS08NMF 2L	184100	MVS08NEF 2L	258800	MVS08NMF 2L	236100	MVS08NEF 2L	310800
1000	MVS10NMF 2L	207030	MVS10NEF 2L	277120	MVS10NMF 2L	257100	MVS10NEF 2L	331950
1250	MVS12NMF 2L	233650	MVS12NEF 3L	308440	MVS12NMF 2L	293400	MVS12NEF 2L	368500
1600	MVS16NMF 2L	269170	MVS16NEF 2L	334960	MVS16NMF 2L	338470	MVS16NEF 2L	413200
2000	MVS20NMF 2L	338140	MVS20NEF 2L	412900	MVS20NMF 2L	444100	MVS20NEF 2L	518970
2500	MVS25NMF 2L	413660	MVS25NEF 2L	486650	MVS25NMF 2L	524810	MVS25NEF 2L	609000
3200	MVS32NMF 2L	666210	MVS32NEF 2L	679800	MVS32NMF 2L	736610	MVS32NEF 2L	811400
4000	MVS40NMF 2L	725000	MVS40NEF 2L	800000	MVS40NMF 2L	822500	MVS40NEF 2L	908700

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	+4000	Example: ACB reference with ET2L trip unit - MVS08NMF 2L. For ACB reference with ET2A trip unit replace 2L by 2A i.e. MVS08NMF 2A
ACB with ET2V trip unit (LCD display with Current Metering & Voltage Metering and Last 10 Trip History)	Add	+13000	Example: ACB reference with ET2L trip unit - MVS08NMF 2L. For ACB reference with ET2V trip unit replace 2L by 2V i.e. MVS08NMF 2V

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

Note:

All Fix type circuit breakers will be supplied with

- horizontal / vertical installation
- 1 No. Electrical fault indication Contact (SDE)
- 1 No. Auxiliary contact block (OF) with 4 CO contacts
- door sealing frame / Facutcheon (GDF)

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MC), closing coil (CC) & shunt release (MR)
- External Neutral GI required for highly un-balanced TN-N system has to be ordered at extra price
- Any other accessories are optional at extra price
- The product label on all electrical operated breakers may have different reference number than above printed however both references will have same functionalities. For example
MVS08N3NWEI can be represented as MVS08N3EWEI
MVS08N3NEI can be represented as MVS08N3EIEI

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

☎ **MRBML STOCK ITEMS**

W.E.F. January 30th, 2023

Component	Specification	Reference	Unit MRP ₹
Gear Motor (MCH)			
AC 50/60 Hz	100/130 V	4r883	51400
	200/240 V	4r884 g	
	300/415 V	4r886	
	2400 V	4r888	
	4800 V	4r889	
DC	100/125 V	4r890	51400
	200/250 V	4r891	
Closing Release (XF)			
AC 50/60 Hz DC	24/30 V DC	33668	8350
	48/60 V DC	33669	
	100/130 V AC/DC	MVS 1sz11 g	
	200/250 V AC/DC	MVS 1sz12 g	
	380/480 V AC	MVS 1sz13	
Opening Release (MX)			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33669	8350
	48/60 V DC, 48 V AC	33670	
	100/130 V AC/DC	33671 g	8350
	200/250 V AC/DC	33672 g	
	380/480 V AC	33674 g	
Terminal Block			
For drawout circuit breaker		4r949	310
Under Voltage Release (MN)			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33668	8350
	48/60 V DC, 48 V AC	33669	
	100/130 V AC/DC	33670 g	
	200/250 V AC/DC	33671 g	
	380/480 V AC	33673 g	
MN Delay Unit			
AC 50/60 Hz DC	48/60 V AC/DC	33680	12100
	100/130 V AC/DC	33681	
	200/250 V AC/DC	33682	
	380/480 V AC/DC	33683	11300
	100/130 V AC/DC	33684	
	200/250 V AC/DC	33685 g	
ON/OFF Indication Contacts (Additional OF contact)			
1 additional block of 4 contacts		4r887	7300
Door Interlock (VPECI)/1 part			
On right hand side of chassis		4r914 g	800
Operation Counter			
Operation Counter CDM		48576	11000

EasyPact SPS

Standard Protection System for your electrical distribution network



Schneider Electric Global specialist in the field of ACBs and MCCBs, introduces **EasyPact SPS** range of ACBs

- Single Frame size from 800-1600A
- ASIC Based Microprocessor trip unit with OL, SC & EF protection features, which offer fastest short circuit tripping time in its class
- 25 ms short circuit tripping time ensure low let through energy increase the longevity of an electrical distribution network, cables and equipment
- Offer highest standards of safety for operator as well as Electrical distribution network
- Pollution category -III along with modular technology ensure high operating cycles without maintenance
- Simple to choose and easy to install



- All EasyPact SPS Air Circuit Breakers are equipped with terminal adaptors
- Confirms 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 protection
- ET2B provides Overload & Short-circuit protection
- Short circuit breaking capacity 50KA @ 440V AC

Draw-out Type circuit breaker with Microprocessor based ET6G Trip Unit

Rating in (A)	3P Draw-Out Manual Reference	Unit MRP (₹)	3P Draw-Out Electrical Reference	Unit MRP (₹)	4P Draw-Out Manual Reference	Unit MRP (₹)	4P Draw-Out Electrical Reference	Unit MRP (₹)
800	SPS08F3PMW6L	211380	SPS08F3PEW6L	265340	SPS08F4PMW6L	294000	SPS08F4PEW6L	319030
1000	SPS10F3PMW6L	222540	SPS10F3PEW6L	276770	SPS10F4PMW6L	281750	SPS10F4PEW6L	325980
1250	SPS12F3PMW6L	348820	SPS12F3PEW6L	393130	SPS12F4PMW6L	317420	SPS12F4PEW6L	331080
1600	SPS16F3PMW6L	280880	SPS16F3PEW6L	326030	SPS16F4PMW6L	368300	SPS16F4PEW6L	413680

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	208880	SPS08F3PEW2B	262940	SPS08F4PMW2B	262070	SPS08F4PEW2B	316630
1000	SPS10F3PMW2B	220140	SPS10F3PEW2B	274370	SPS10F4PMW2B	279360	SPS10F4PEW2B	332660
1250	SPS12F3PMW2B	246510	SPS12F3PEW2B	300730	SPS12F4PMW2B	315870	SPS12F4PEW2B	360980
1600	SPS16F3PMW2B	278880	SPS16F3PEW2B	332610	SPS16F4PMW2B	369660	SPS16F4PEW2B	411120

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	192480	SPS08F3PEW0D	246410	SPS08F4PMW0D	281140	SPS08F4PEW0D	301150
1000	SPS10F3PMW0D	203670	SPS10F3PEW0D	257780	SPS10F4PMW0D	262730	SPS10F4PEW0D	319800
1250	SPS12F3PMW0D	229910	SPS12F3PEW0D	284110	SPS12F4PMW0D	298800	SPS12F4PEW0D	357680
1600	SPS16F3PMW0D	261700	SPS16F3PEW0D	315970	SPS16F4PMW0D	342260	SPS16F4PEW0D	396670

Note:

All draw out type circuit breakers will be supplied with:

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

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MC), closing coil (CC) and shunt release (RX).
- External Neutral CI required for highly un-balanced 3P-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.



- All EasyPact SPS Air Circuit Breakers are equipped with terminal adapters
- Complies to IEC/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 protection
- ET2B provides Overload & Short-circuit protection
- Short circuit breaking capacity 50kA @ 440V AC

Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit

Rating in (A)	3P Fixed Manual Reference	Unit MRP (₹)	3P Fixed Electrical Reference	Unit MRP (₹)	4P Fixed Manual Reference	Unit MRP (₹)	4P Fixed Electrical Reference	Unit MRP (₹)
800	SPS08F3PMF6L	162360	SPS08F3PEF6L	216330	SPS08F4PMF6L	194100	SPS08F4PEF6L	261310
1000	SPS10F3PMF6L	171750	SPS10F3PEF6L	225840	SPS10F4PMF6L	212670	SPS10F4PEF6L	287190
1250	SPS12F3PMF6L	196580	SPS12F3PEF6L	262260	SPS12F4PMF6L	247080	SPS12F4PEF6L	331260
1600	SPS16F3PMF6L	229330	SPS16F3PEF6L	293560	SPS16F4PMF6L	282450	SPS16F4PEF6L	398880

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	118870	SPS08F3PEF2B	210930	SPS08F4PMF2B	169210	SPS08F4PEF2B	248960
1000	SPS10F3PMF2B	169260	SPS10F3PEF2B	223680	SPS10F4PMF2B	210660	SPS10F4PEF2B	284100
1250	SPS12F3PMF2B	196630	SPS12F3PEF2B	248660	SPS12F4PMF2B	238670	SPS12F4PEF2B	328070
1600	SPS16F3PMF2B	226940	SPS16F3PEF2B	281140	SPS16F4PMF2B	268060	SPS16F4PEF2B	354060

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	SPS08F3PMF00	113660	SPS08F3PEF00	191110	SPS08F4PMF00	118870	SPS08F4PEF00	222440
1000	SPS10F3PMF00	162180	SPS10F3PEF00	200960	SPS10F4PMF00	162960	SPS10F4PEF00	248180
1250	SPS12F3PMF00	190440	SPS12F3PEF00	233240	SPS12F4PMF00	229070	SPS12F4PEF00	282300
1600	SPS16F3PMF00	210200	SPS16F3PEF00	264540	SPS16F4PMF00	263440	SPS16F4PEF00	317670

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

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

All switch disconnectors are without protection. All electrical operated breakers are supplied with make mechanism (MCI), closing coil (CC) and shunt release (MC) [Lateral Neutral CT required for highly unbalanced TP N system has to be ordered at extra price.] Any other accessories are optional at extra price.

Accessories

Point Description	Rated Operational Current	Reference	Unit MRP ₹
Gear Motor (MCH)			
AC 50/60 Hz	100/130 V	33176	57440
	200/240 V	33177	
	220/245 V	33178	
	240/0 V	33185	
	40/60 V	33186	
DC	100/125 V	33187	
	200/250 V	33188	
Terminal Block			
For Fixed circuit breaker		4/0/4	300
For Drawout circuit breaker		23008	
ON/OFF Indication contacts (OF) 1Part			
Changeover contact 6A	240V	4/0/6	1500
Ready to close contact			
Changeover contact 5A	240V	4/0/0	300
Door interlock (VPECD) 1 part			
Right side of chassis		33172	5260

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 30th, 2023



ASCO - Automatic Transfer Switches

Power available always when you need it

ASCO Transfer Switches make backup power possible. They enhance power availability by transferring electrical loads to alternate sources of power. From simple backup solutions to mission-critical facilities, transfer switches connect backup power to enhance safety and sustain operations.

se.com/in

Life Is On

Schneider
Electric

Launching soon

Advanced transfer switch to maximize

UPTIME

TransferPacT Active Automatic is now ready to deliver maximum uptime and safety with a complete range from 32A to 630A

- Conforming to IEC 60947-6-1
- Optimize panel space by up to 30%, saving cost and improving efficiency
- Ultra fast transfer speed for better power availability
- Solenoid operated, Built-in microprocessor Controller
- Robust design
- Utilization Category: AC 33B
- Poles: 3,4
- Scalable with plug and play – 10 function modules
- Connectivity with compliant to cyber security standard IEC 62443, SL1 Level

TransferPacT™ Active Automatic



#SourceManagement

se.com/in

Life Is On

Schneider
Electric



Life Is On

Schneider
Electric

ASCO Power Technologies*

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

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

Series 7000/300, Automatic Transfer Switch (ASCO)

7000/300 Series Power Transfer Switches are available in open and enclosed variants, ranging from 30 to 4000 amps (LV) & 1200 to 3000A (MV) with wide range of accessories. All switching configurations (OTTS, DTTS, CTTS) are available with optional integrated bypass-isolation switch.



Open/Closed/Delayed Transition with Bypass



Open/Closed/Delayed Transition with Switch



UL JMB51 - 2 Section Medium Voltage ATS



IEC Design - 3 Section Medium Voltage ATS

Series 7000/300, Automatic Transfer Switch (ASCO)

Frame	Rating(A)	Controller Type	Reference (4P, Overlapping Neutral)	Unit MRP (€)	Controller Type	Reference (4P, Overlapping Neutral)	Unit MRP (€)
D	30	Series 7000 Group S Controller	D0/A1SC30030K500	On Request	Series 300 Group G Controller	D03ATSC30030K200	On Request
	75		D07A1SC30075K500			D03ATSC30075K200	
	104		D07A1SC30104K500			D03A1SC30104K200	
	150		D07A1SC30150K500			D03A1SC30150K200	
	200		D07A1SC30200K500			D03A1SC30200K200	
J	200	J07A1SC30200K500	J03A1SC30200K200				
	260	J07A1SC30260K500	J03A1SC30260K200				
	400	J07A1SC30400K500	J03A1SC30400K200				
	600	J07A1SC30600K500	J03A1SC30600K200				
	900	J07A1SC30900K500	J03A1SC30900K200				
H	1000	H07A1SC31000K500	H03A1SC31000K200				
	1200	H07A1SC31200K500	H03A1SC31200K200				
	1600	C07A1SC31600K500	C03A1SC31600K200				
G	2000	C07A1SC32000K500	C03A1SC32000K200				
	2500	C07A1SC32500K500	C03A1SC32500K200				
	3000	C07A1SC33000K500	C03A1SC33000K200				
	3200	C07A1SC33200K500	C03A1SC33200K200				
	4000	G7A1SC34000K5400M					

- Conforming to UL 1008
- Fast & Consistent Transfer (Less than 100ms)
- Single Solenoid True Double Throw Design
- High Withstanding & Closing On Fault Currents (WCR)
- Neutral Overlap to eliminate Voltage Transients
- In-Phase Monitor to avoid Motor Inrush current

- Engine Start/Stop, AMF Logic & Time Delay Setting
- Programmable Duty/Weekly Engine Exerciser
- 4 Line LCD + LED Display
- 99 Events Log & Diagnostics with Date/Time
- Statistical ATS System Monitoring Information
- Communication Compatible (Modbus/ethercat)

- 2P, 3P & 4P with solid neutral/switched Neutral are available
- ATS with standard Tyger listed NEMA Enclosures available
- For Series 7000 Close Transition, Bypass Option & Medium Voltage ATS offer please contact Customer Care Centre

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

☑️ **MRMA STOCK ITEMS**

WEF January 30th 2023

Series 230, Automatic Transfer Switch (ASCO)

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



Rating (Amp)	Controller Type	Reference	Unit MRP (₹)	Controller Type	Reference	Unit MRP (₹)	Notes
	C1000			C2000			
100	 <ul style="list-style-type: none"> • Under/Over Voltage • Under/Over Frequency • Time Delay Engine start/stop • LED Display • RS485 Port (optional) 	E2A011E00B00K0	On Request	 <ul style="list-style-type: none"> • 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 	F2A011E00000K0	On Request	10

*For 2P & 3P4W, please contact Customer Care Centre.

Series 230 Accessories



4 Pole Bridging Busbar



Auxiliary Contact



72 D

72D RS-485 communication

Suffix '72D' in the part reference for inbuilt RS485 communication port. Applicable for C300 and C1000 Series controller based transfer switching equipments. RS485 port option available factory fit only. For Price please contact Customer Care Centre

Accessory Type	Description	Reference	Unit MRP (₹)
LAP11100	Aux.Contact (NO)	9/29/0	On Request
LAP11010	Aux.Contact (NC)	9/29/0.001	
10LJ2	4P Bridging Busbar for 10A/11L Frames	9/29/1.002	

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

IS NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

WOTPC, Automatic transfer switch

- Conforming to IEC 60947-6-1
- Solenoid operated, Built-in Microprocessor Controller
- 1000-4000 Amps in same compact frame
- Utilization Category: AC 33A
- Mechanical Endurance: 20,000 ops
- Rated Short circuit withstand of 65 kA, 3sec
- Built in RS 485 port for communication



Rating (amps)	Poles	Reference	Unit MRP [€]	Poles	Reference	Unit MRP [€]
1000	3P	OT1000035V	On Request	4P	OT1000435V	On Request
1250		OT1250035V			OT1250435V	
1600		OT1600035V			OT1600435V	
2000		OT2000035V			OT2000435V	
2500		OT2500035V			OT2500435V	
3200		OT3200035V			OT3200435V	
4000		OT4000035V			OT4000435V	

*above references are with vertical termination, for horizontal terminal please contact customer care

WOTPC Accessories



The transfer switch unit relates to the controller through its cable to realize the detection of the power supply. The controller automatically completes the transfer between the power supply through the set program.

Description	Reference	Unit MRP [€]
Phase Partition (3 act)	WOC100001	On Request
Extension Harness (1m)	WOC100001	
Copper Bar for Vertical Wiring	WOC100001	

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

€ MRP (STOCK ITEMS)

W.E.F. January 30th, 2023

TransferPacT Active Automatic

TransferPacT is an Ecostruxure-ready advance transfer switch to maximize reliability and uptime for your facility

- Conforming to IEC 60947-6-1
- Solenoid operated, Built-in Microprocessor Controller
- Fast transfer time of <500ms
- 2,3 and 4 Pole configuration ranging within 32-160A
- Three position, Open transition transfer switch
- Extreme Environment proof with operating temperature of -25 to 70 °C
- Utilization Category: AC 33B
- Tested for Total Discrimination with ComPacT NSXm Circuit breakers for seamless integration.
- Scalable with plug and play - 10 function modules
- Connectivity with compliant to cyber security standard IEC 62443, SL 1 Level



Frame		TA15				TA16			
Rating (amps)	Poles	Reference	Unit MRP [€]	Poles	Reference	Unit MRP [€]	Poles	Reference	Unit MRP [€]
32	2P	TA102M032M1PE	On Request	4P	TA102M032M1PE	On Request	4P		
40		TA102M040M1PE			TA102M040M1PE				
50		TA102M050M1PE			TA102M050M1PE				
63		TA102M063M1PE			TA102M063M1PE				
80		TA102M080M1PE			TA102M080M1PE			TA162M080M1PE	
100		TA102M100M1PE			TA102M100M1PE			TA162M100M1PE	On Request
125								TA162M125M1PE	
160								TA162M160M1PE	

*For 3P ATS, please contact Customer Care Centre

TransferPacT Active Automatic Accessories



HMI cable



External HMI



Function Module

TransferPacT Active Automatic is designed to provide maximum scalability with plug and play function modules (no increase in the footprint) and intuitive external HMI. Please contact Customer Care Centre

Accessory Type	Description	Reference	Unit MRP [€]
Communication function modules	Modbus RTU (Serial Port)	TPCOM16	On Request
	BUS interfaces and 24 Vdc auxiliary supply	TPCOM15	
Fire Protection function modules	Fire protection,24VDC pulse	TPCOM10	
	Fire protection,24VDC constant	TPCOM11	
	Fire protection,230VAC constant	TPCOM13	
	Fire protection,dry contact	TPCOM14	
Control and Signalling function modules	Genset start and Alarm	TPCOM17	
	Load shedding and Availability warning	TPCOM25	
	Transfer inhibit and Remote testing	TPCOM27	
Display Modules	Voluntary Remote Control	TPCOM08	
	External HMI	TPCF04	
	LED display	TPCF01	
	Rotary display	TPCF02	
	IPM cover	TPCOM17	

*For more details on accessories, please contact Customer Care Centre.

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

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

WATSN (ATS and RTS)

WATSN is a Compact, Easy and Scalable Transfer Switch for safe and reliable source management.

- Conforming to IEC 60947-6-1
- Automatic and Remote Transfer switches
- Three Position, Open Transition Switch
- 2,3,4 pole configurations ranging within 63 - 630A
- Fast Transfer Speed of <100ms
- Solenoid operated, Built-in Microprocessor Controller (for ATS)
- Reduced size and footprint upto 30%
- Tested for Total Discrimination with EasyPac F CVS Circuit breakers for seamless integration in the power train.
- Utilization Category: AC 33B



WATSN Automatic Transfer Switch

Rating (amps)	Poles	Reference	Unit MRP (₹)	Poles	Reference	Unit MRP (₹)	Poles	Reference	Unit MRP (₹)
63	2P	NA0063V	36517	3P	NA0063V	37681	4P	NA0064V	39264
100		NA0100V	45298		NA0100V	47001		NA0100V	48304
160		NA0160V	71509		NA0160V	73300		NA0160V	75281
250					NA0250V	136746		NA0250V	143813
400					NA0400V	238811		NA0400V	250888
630					NA0630V	291247		NA0630V	302914

WATSN Remote Transfer Switch

Rating (amps)	Poles	Reference	Unit MRP (₹)	Poles	Reference	Unit MRP (₹)	Poles	Reference	Unit MRP (₹)
63	2P	NR0063	37682	3P	NR0063	38831	4P	NR0064	39131
100		NR0100	42208		NR0100	43441		NR0100	44002
160		NR0160	51917		NR0160	53440		NR0160	55003
250					NR0250	115331		NR0250	124002
400					NR0400	180094		NR0400	211154
630					NR0630	251061		NR0630	268082

WATSN Accessories



Function Module



T-Helper

WATSN is a simple and scalable transfer switch with add-on function modules. (Any two function modules can be connected at a time)

Accessory Type	Description	Reference	Unit MRP (₹)
Fire Protection function modules	DC24V Constant voltage fire linkage	NF 001	On Request
	DC24V Pulse fire linkage	NF 002	
	AC220V Constant voltage fire linkage	NF 003	
	AC220V Pulse fire linkage	NF 004	
	Pulse fire linkage	NF 005	
Control and Signaling function modules	Genset control module	NF 006	On Request
	Genset control & Communication module	NF 008	
	Remote control to SP	NF 012	
Communication accessories	Modbus communication module with RS485 interface	NF 007	On Request
	T-Helper Operation and maintenance Helper	NF 028	

For more details on accessories, please contact 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

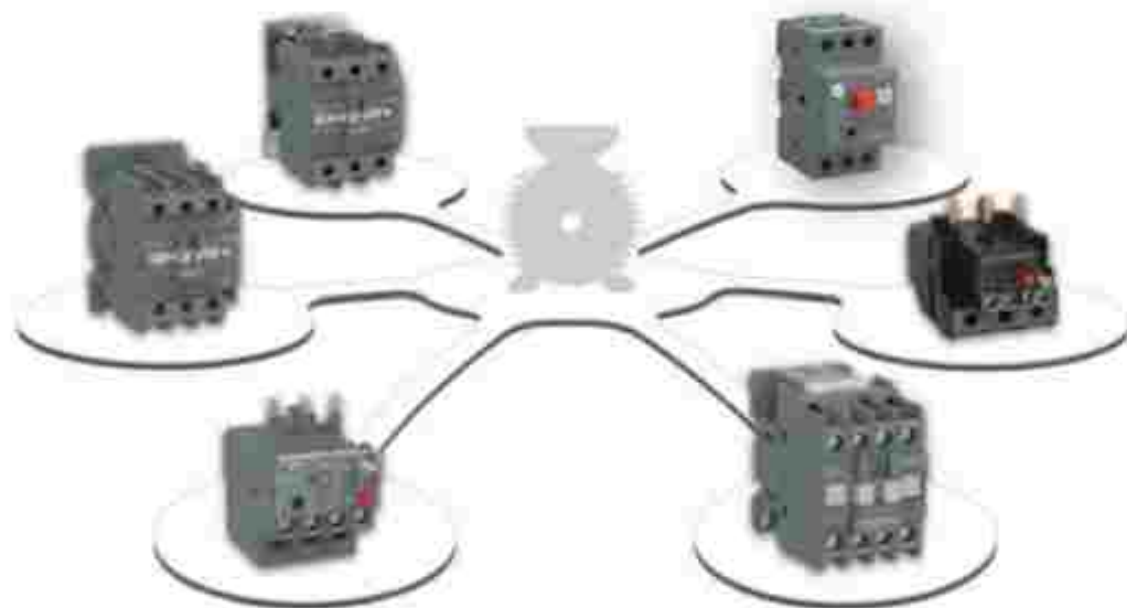
W.E.F. January 30th, 2023

EasyPact TVS

The Easy choice for simplicity and flexibility

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

A2L certified
up to 50A
for HVAC
applications



EasyPact TVS
Catalogue

Designed for the Essential



Selection Charts for
Motor Feeders for
IE2/IE3 Motors with
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, MFCB and MCCB

Frame	[a] Rated Operational Current - Motor Power at 415V, 3Ph, 50Hz		Auxiliary Contacts		Reference	Unit MRP [3]		
	AC-1	AC-3	NO	NC				
FRAME 1	20	6	3	2.2	1	1	IC1E0001* M	1250
	25	9	5.5	4	1	1	IC1E0010* M	1250
	25	12	7.5	5.5	1	1	IC1E1201* M	1475
	32	18	12	9	1	1	IC1E1810* M	1700
	36	25	16	11	1	1	IC1E2510* M	2000
FRAME 2	50	32	20	15	1	1	IC1E3210* M	4500
	50	38	25	18.5	1	1	IC1E3810* M	5750
	50	40	29	22	1	1	IC1E40101** IC1E401010**	6125
FRAME 3	60	40	29	22	1	1	IC1E40* M	7810
	70	50	34	25/30	1	1	IC1E50* M	9250
	80	63	50	37	1	1	IC1E63* M	12940

Frame	[a] Rated Operational Current - Motor Power at 415V, 3Ph, 50Hz		Auxiliary Contacts		Reference	Unit MRP [3]		
	AC-1	AC-3	NO	NC				
FRAME 4	110	80	60	45	1	1	IC1E80* M	16205
	120	95	60	45	1	1	IC1E95* M	19540
FRAME 5	150	120	75	55	1	1	IC1E120* M	23285
	200	160	120	90	1	1	IC1E160* M	30245
FRAME 6	250	200	150	110	-	-	IC1E200* M	42315
	300	250	175	132	-	-	IC1E250* M	50765
FRAME 7	320	300	215	160	-	-	IC1E300* M	68650
	500	400	295	220	-	-	IC1E400* M	95670
FRAME 8	700	500	375	280	-	-	IC1E500* M	120625
FRAME 9	1000	630	500	375	-	-	IC1E630* M	160155

* Prices indicated above are for standard coil voltage rating, for non standard coil rating please check the prices with Customer Care

Spare Coil for Contactors

Contactors	Reference
3 Pole Contactors	
IC1E06-125	IAFX12**
IC1E32/38	IAJ32**
IC1E40/45	IAFX3**
IC1E50/55	IAFX3**
IC1E120/160	IAFX3**
IC1E200/250	IAFX3**
IC1E300	IAFX3**

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

Coil Voltage Code

VOLTAGE (V AC)	24	110	220	415
IC1E06, IC1E35	B7	F7	M7	N5
IC1E120, IC1E300	B5	F5	M5	N5
IC1E400, IC1E630	B7	F7	M7	N7
IC1E06, IC1E400	-	-	M3WB	N3WB

Please check with customer care for price and availability of non standard voltages (J except 110 and 220 V AC)

** 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

MEIRAM STOCK ITEMS

W.E.F. January 30th, 2023

Power Contactors - ETVS (4 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 20A to 125A, AC-3 rating
- Available in 4NO and 2NO+2NC Power Pole combination
- Wide Band Coil for all ratings in 220 & 415V AC

Frame	AC-3 Rating	Power Poles	Reference	Unit MSRP (€)	Power Poles	Reference	Unit MSRP (€)
FRAME 1	20	4NO	LC1E06001*IN	1615	2NO + 2NC	LC1E06008*IN	1830
	25	4NO	LC1E08001*IN	1715	2NO + 2NC	LC1E08008*IN	2080
	32	4NO	LC1E12001*IN	1785	2NO + 2NC	LC1E12008*IN	2225
	40	4NO	LC1E18001*IN	2225	2NO + 2NC	LC1E18008*IN	2540
FRAME 2	50	4NO	LC1E25001*IN	2820	2NO + 2NC	LC1E25008*IN	3205
	55	4NO	LC1E30001*IN	3755	2NO + 2NC	LC1E30008*IN	4245
	60	4NO	LC1E38001*IN	5505	2NO + 2NC	LC1E38008*IN	6170
FRAME 3	75	4NO	LC1E40001*IN	8675	2NO + 2NC	LC1E40008*IN	11085
	85	4NO	LC1E55001*IN	11025	2NO + 2NC	LC1E55008*IN	14575

Frame	AC-3 Rating	Power Poles	Reference	Unit MSRP (€)	Power Poles	Reference	Unit MSRP (€)
FRAME 4	110	4NO	LC1E80001*IN	14895	2NO + 2NC	LC1E80008*IN	20025
	125	4NO	LC1E95001*	18760			

* Prices indicated above are for standard coil voltage rating, for non standard coil rating please check the prices with Customer Care

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

Auxiliary Contacts		Reference	Unit MSRP (€)
NO	NC		
1	0	CAE40*	1360
3	1	CAE51*	
2	2	CAE22*	

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

Prices indicated above are for standard coil voltage rating, for non standard coil rating please check the prices with Customer Care

Spare Coil for Contactors

Contactors	Reference
4 Pole Contactors:	
LC1E0600* ... LC1E1800*	LALX11**
LC1E2500* ... LC1E3800*	LALX21**
LC1E4000* ... LC1E9500*	LALX41**
Control Contactors:	
CAE*	LALX12**

* 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* ... 9xXP 50/60 Hz	B7	F7		
LC1E0600* ... 9xX0* 50 Hz Wide Band			M5W0	N5W0
Control relay CAE: 50 Hz	B5	F5	M5	N5

Note:

For non standard voltages (except 110 and 220 V AC) please consult Customer Care for prices

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

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

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

Accessories - For ETVS Contactors

Description	For Use with	Mounting	Contacts	Reference	Unit Price [€]
Auxiliary contact block	LC1E06...E30 & LC1E000...E9s00	FRONT	1NO+1NC	LAEN11 s1	400
			2NO	LAEN20 s2	
			2NC	LAEN02 s1	425
			2NO+2NC	LAEN22 s1	730
			4NO	LAEN40 s2	
Star delta timer	LC1E25...E630			LAET10 s1	3310

For 415v control supply please contact customer care team

Description	For Use with	Coil Voltage	Reference	Unit Price [€]
Surge suppressor	LC1E06...E9s	24-48V AC	LAENCE	2100
	LC1E06...E9s	110-240V AC	LAENCU	300

For higher rating contactors, contact nearest sales office

Description	For Use with	Reference	Unit Price [€]
Mechanical interlock	LC1E06...E9s & LC1E000P...E300P	LAEM1	830
	LC1E001s5 & LC1E000P...LC1E9s0P	LAEM4	2100
	LC1E120...E160	LAEM5	405
	LC1E000E2s0	LAEM6	5100

*Reference to be completed by adding coil voltage

3 Pole Accessories Compatibility

Contactors	Built in contacts	LAEN+	LAERC+	LAEM
LC1E06	1NO or 1NC	1		
LC1E09				
LC1E12				
LC1E18				
LC1E26				
LC1E30				
LC1E38	1			
LC1E40				
LC1E50				
LC1E66				
LC1E80				
LC1E96				
LC1E120	1			
LC1E160				
LC1E200				
LC1E250				
LC1E300				
LC1E400				
LC1E500	3			
LC1E630				

4 Pole Accessories Compatibility

Contactors	LAEN+	LAEM	LAERC+
LC1E06	1	1	1
LC1E09			
LC1E12			
LC1E18			
LC1E26			
LC1E30			
LC1E38			
LC1E40			
LC1E50			
LC1E66			
LC1E80			
LC1E96			
LC1E120			
LC1E160			

Control Relay Accessories Compatibility

Control Relay	LAEN+	LAERC
CA1	1 of LAEN11 or LAEN20 or LAEN22 or LAEN27	1

Thermal Overload Relay - ETVS



- Conformance to IEC 60947-4-1, CE-Marking
- Range : 0.1A to 830A
- Tripping Class : 10A
- Direct & independent mounting

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP (₹)	
LRE				
0.25..0.4	E05..E30	LRE03	2150	
0.4..0.63	E06..E30	LRE04		
0.63..1	E06..E30	LRE05 w/		
1..1.6	E06..E30	LRE06 w/		
1.6..2.5	E06..E30	LRE07 w/		
2.5..4	E06..E30	LRE08 w/		
4..6	E06..E30	LRE10 w/		
5.5..8	E09..E30	LRE12 w/		
7..10	E09..E30	LRE14 w/		
9..12	E12..E30	LRE16 w/		
12..16	E18..E30	LRE21 w/		2300
16..24	E25..E30	LRE22 w/		2450
22..32	E25..E30	LRE32 w/		3600
30..38	E30	LRE36 w/		4150
17..25	E40..E90	LRE372	6000	
22..32	E40..E90	LRE353		
30..40	E40..E90	LRE355		
37..50	E50..E90	LRE367 w/		
40..60	E60..E90	LRE379		8100

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP (₹)	
LRE				
56..70	E90..E90	LRE361	7200	
63..90	E90..E90	LRE363	14200	
90..104	E90	LRE365		
97..111	E120..E300	LRE400		
102..99	E120..E300	LRE481		
84..135	E120..E300	LRE482		
124..198	E160..E300	LRE483		
146..234	E200..E300	LRE404		
174..279	E260..E300	LRE485		
208..333	E300	LRE486		16000
258..414	E300..E400	LRE487		18000

Accessories for Relay

Accessory	For Relay	Reference	Unit MRP (₹)
Separate Mounting Block	LRE04..LRE26	LAEB1	150
	LRE322..LRE360	LAEB3	1725

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			
GZ1-E Thermal Magnetic - With Pushbutton Control					
100 kA	-	-	0.1 - 0.16	GZ1E01	2015
	0.06	-	0.16 - 0.25	GZ1E02	
	0.09	-	0.25 - 0.40	GZ1E03	
	0.18	-	0.40 - 0.63	GZ1E04	4500
	0.37	0.5	0.63 - 1.0	GZ1E05	
	0.55	0.75	1.0 - 1.6	GZ1E06	6500
	0.75	1	1.6 - 2.5	GZ1E07	4500
	1.1	2	2.5 - 4	GZ1E08	
10 kA*	2.2	3	4 - 6.3	GZ1E09	5500
	3	5.5	6 - 10	GZ1E14	
	5.5	7.5	9 - 14	GZ1E16	5500
	7.5	10	13 - 18	GZ1E20	
	9	12.5	17 - 25	GZ1E21	6500
	11	15	20 - 25	GZ1E22	8100
	15	20	24 - 32	GZ1E32	11500

Breaking Capacity at 415 V 50 Hz	Motor Power AC3*		Magnetic Protection (A)	Reference	Unit MRP [₹]
	kW	HP			
GZ1-LE Magnetic - With Pushbutton Control					
100 kA	0.09	-	0.4	GZ1LE03	2800
	0.18	-	0.63	GZ1LE04	
	0.37	0.5	1	GZ1LE05	
	0.55	0.75	1.6	GZ1LE06	3000
	0.75	1	2.5	GZ1LE07	
	1.1	2	4	GZ1LE08	3000
	2.2	3	6.3	GZ1LE10	
	3	5.5	10	GZ1LE14	3000
5.5	7.5	14	GZ1LE16		
10 kA*	7.5	10	18	GZ1LE20	3000
	11	15	25	GZ1LE22	
	15	20	32	GZ1LE32	3600

* 10kA With current limiter type GV1.3

Accessories - ETVS Circuit Breaker for Motor Protection

Description	Mounting	Contacts	Reference	Unit MRP [₹]
Auxiliary Contact Block	LH side Mounted	1NO + 1NC	GZ1AN11	700
		2NO	GZ1AN09	950

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

☑️ MMRM STOCK ITEMS

W.E.F. January 30th, 2023

TeSys

>Control >Protect >Power >Active

Innovative and connected solutions for motor starters

TeSys is an innovative motor control and management solution from the global market leader. TeSys offers connected, efficient products and solutions for switching and protection of motors and electrical loads in compliance with all major global electrical standards.

TeSys Function Names

TeSys components are grouped by function name, for easier identification. These functions are related to motor, power, control and protection.

> TeSys **Power**:

Components for powering motors.



> TeSys **Control**:

Components for controlling motors.



> TeSys **Protect**:

Components for protecting motors.



> TeSys **Active**:

Connected components for motor circuits.



Start smart. Run smart. With TeSys motor controls.

Stay smart with the world's best-selling motor control solutions from the inventor of the world's first contactor - Schneider Electric™.

For almost a century, TeSys motor controls have driven the industry with innovations in motor protection, monitoring, and control.

It started with the introduction of the industry's first BAR contactor in 1924, and today, the legacy of innovation is built into every TeSys motor control device.

Best-in-class safety and reliability, plug-and-play architecture, and flexible functionality mean TeSys motor control solutions can meet your requirements across a wide range of applications, from the most common to the most advanced.

Wherever you are and anywhere your projects come together, you can trust Schneider Electric and TeSys contactors, circuit breakers, relays, and switches for unmatched reliability, complete compatibility with international standards, and the robust support of the Schneider Electric global supply network.

Start smart, run smart and stay smart with TeSys motor controls.



How do everlinks improve power connection reliability?

For more information on switching and motor management scan!



Superior safety for all industries

TeSys motor controls come with all of the isolation, protection and emergency handling you need to comply with international codes. High-contrast covers identify safety-critical devices to prevent inadvertent manual operation. Every TeSys contactor is both mechanically linked and equipped with mirror contacts for safety applications and wherever auxiliary contact state reliability is critical.



HVAC

Ensure 24/7 availability of your HVAC system with reliable products that can reach high ambient temperatures without derating.



Conveying

Decentralize the control cabinet of your conveyor line and benefit from up to 80% space reduction.



Genset

Make certain your generator starts even in the harshest conditions with our robust solutions.



Pumping

Optimize single or multi-drive boosters for industry or infrastructure with energy and cost-effective solutions.



Packaging

Keep pace with the most demanding, high-end packing applications with our solutions.



Oil and Gas

Keep your employees and assets safe and improve uptime in onshore and offshore applications: pipeline operations; LNG and natural gas processing; and refining and petrochemical applications.



Water and Wastewater

Optimize the treatment and delivery of safer water by reducing energy usage and lowering operating costs.



Food and Beverage

Serve your customers with environmentally friendly products to improve sustainability, efficiency, and flexibility, allowing you to adapt to changing customer habits.

Online selection tool

EcoStruxure™ Motor Control Configurator

For Direct-On-Line and Star-Delta starters, motor circuit breakers with advanced protection, motor management relays, configurations for total coordination, drives, and soft starters.

No matter what kind of starting method you need, our online EcoStruxure™ Motor Control Starter Configurator will help you to quickly and easily select the optimal combination of components to ensure maximized motor safety, protection, and uptime.



Scan or click on the QR code

TeSys Range

TeSys Component Series Names

Series names are now grouped as per the current ratings

- Series names group conventional components (circuit breakers, contactors, relays, overcurrent relays) by current rating ranges:
 - 0 to 16 A > TeSys **K** Series
 - 9 to 150 A > TeSys **Deca** Series
 - 185 to 800 A > TeSys **Giga** Series
- TeSys advanced components have a specific classification:
 - 0 to 38 A All-in-one starters > TeSys **Ultra** Series
 - 0 to 80 A Motor Control/Protection/Monitoring system > TeSys **Island** Series
- Other TeSys component names remain unchanged (TeSys F, TeSys B, TeSys T).

> TeSys **K** Series

The essential line for motors up to 7.5kW/16A direct on TeSys K series of Motor Starters



> TeSys **Deca** Series

The industrial standard for motors up to 75kW/150A direct on TeSys Deca series of Motor Starters



> TeSys **Giga** Series

For large motors up to 450kW/800A direct on TeSys Giga Series



> TeSys **Ultra** Series

The most compact totally coordinated solution for Motor Starters. For Direct On Line or Reversing Motor Control and Drive Protection up to 18.5kW/38 A on TeSys Ultra series



> TeSys **Island** Series

Digitally powered monitoring, control and protection of electrical motors up to 37kW/80 A on TeSys Island Series



TeSys Control

TeSys K

Control Relays - K Model (AC & DC Control)



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

No of Poles	AC Control Reference	Unit MRP [€]	DC Control Reference (1)	Unit MRP [€]	DC low consumption Reference (2)(3)	Unit MRP [€]
2NO + 2NC	CA2KN22*	1700	CA2KN22**	230A	CA2KN22***	230A
3NO + 1NC	CA2KN31*		CA2KN31**		CA2KN31***	
4NO	CA2KN40*				CA2KN40***	

(1) Compatible with PEO outputs

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

(3) 7 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⁽⁴⁾ coil options

(a) Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit MRP [€]	DC Control Reference (1)	Unit MRP [€]
6	3	1NC	LC1K0601*	1430	LP1K0601**	2240
		1NO	LC1K0610*		LP1K0610**	
9	5.5	1NC	LC1K0901*	1490	LP1K0901**	2400
		1NO	LC1K0910*		LP1K0910**	
12	7.5	1NC	LC1K1201*	1650	LP1K1201**	2790
		1NO	LC1K1210*		LP1K1210**	
16	10	1NC	LC1K1601*	1950		
		1NO	LC1K1610*			

(a) 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⁽⁴⁾ coil options

(a) Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit MRP [€]
6	3	1NC	LC2K0601*	4700
		1NO	LC2K0610*	
9	5.5	1NC	LC2K0901*	5070
		1NO	LC2K0910*	
12	7.5	1NC	LC2K1201*	5290
		1NO	LC2K1210*	
16	10	1NC	LC2K1601*	7030
		1NO	LC2K1610*	

* Reference to be completed by adding coil voltage code

(a) For current rating and coil please contact Customer Care

Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CA20L, LC1 K06 to K16, 50/50 Hz	07	-	-	F7	M7	N7
	LC2 K06 to K16, 50/50 Hz	-	-	-	F7	M7	N7
DC**	CA20L (P1) K06 to K12	00	-	-	E0	M0	-
DC low consumption*** - CA2KN		0W3	1W3	5W3			

Note: (1) For Non standard coil voltage (if except 110, 240 V AC and 24 V DC) prices please contact customer care

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

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

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

TeSys Control

TeSys K

Accessories - K Model

Description	Mounting	Contacts	Reference	Unit MOP ¹ [1]
Auxiliary contact block	Front	2NC	LA1KN02	170
		1NO + 1NC	LA1KN11 ¹⁾	170
		2NO	LA1KN00	170
		4NC	LA1KN04	1100
		1NO + 3NC	LA1KN13	
		2NO + 2NC	LA1KN22 ¹⁾	
		3NO + 1NC	LA1KN31	
		4NO	LA1KN03	

Description	Control Voltage	Range	Reference	Unit MOP ¹ [1]
On Delay Electronic Timer	24...110V AC/DC	1...30S	LA2K121 ¹⁾	3000
	110...240V AC	1...30S	LA2K121A ¹⁾	

Description	Coil Voltage	Reference	Unit MOP ¹ [1]
Surge Suppressor - RC Circuit	220...250V AC	LA9KA10 ¹⁾	121
Surge Suppressor - Varistor	130...250V AC/DC	LA9K1102 ¹⁾	
Surge Suppressor - Varistor	50...125V AC/DC	LA9K111C ¹⁾	

¹ Lot size 5

(1) Front mounted with common point chargeover contact

TeSys Control

TeSys Deca

The next generation TeSys Deca series motor starters offer a reliable and robust solution for a faster machine time-to-market. It has a new modern look & feel and is designed to meet the requirements of Electro domestic applications. Ease of operation and reliability is guaranteed with the new multi-standard screws. Digital customer experience is enhanced with a QR embedded from product to packaging.

TeSys Deca Control Contactors (AC & DC Control)



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

No of Poles	AC Control Reference	Unit MRP [€]	DC Control Reference**	Unit MRP [€]	DC low consumption Reference***	Unit MRP [€]
3NO + 2NC	CAE32*	1810	CAE32**	2500	CAE32***	3740
3NO	CAE30*		CAE30**		CAE30***	

- (1) Compatible with PLC outputs
 (2) Wide range coil (0.1 - 1.2kVdc), suppressor fitted as standard
 (3) 2 pole auxiliary block can be mounted

TeSys Deca Power Contactors (3P AC & DC)



- Conformance to IEC, UL, CSA
- Current Rating : 0A 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 Z Co-ordination Charts available
- Event table terminal for 40, 50, 65 & 80A contactors
- Inbuilt surge suppressor in DC coil for 0-80A

[1] Rated Operational Current AC-1	AC-3 Duty			Auxiliary Contacts	AC Control Reference	Unit MRP [€]	DC Control Reference**	Unit MRP [€]
	kW	HP	A					
25	4	5.5	9	1NO + 1NC	LC1D09* w	1815	LC1D09** w	2065
	5.5	7.5	12	1NO + 1NC	LC1D12* w	2040	LC1D12** w	3225
32	9	12.5	18	1NO + 1NC	LC1D18* w	2370	LC1D18** w	3970
40	11	15	25	1NO + 1NC	LC1D25* w	2500	LC1D25** w	5020
	15	20	32	1NO + 1NC	LC1D32* w	5780	LC1D32** w	10275
50	18.5	25	38	1NO + 1NC	LC1D38* w	6220	LC1D38** w	12095
	22	30	40	1NO + 1NC	LC1D40A* w	8625	LC1D40A** w	14490
60	25	35	50	1NO + 1NC	LC1D50A* w	11240	LC1D50A** w	18180
	37	50	65	1NO + 1NC	LC1D65A* w	15685	LC1D65A** w	20615
80	37	50	80	1NO + 1NC	LC1D80A* w	19400	LC1D80A** w	25005
	45	60	97	1NO + 1NC	LC1D97* w	25685	LC1D97** w	29000
125	45	60	95	1NO + 1NC	LC1D95* w	25100	LC1D95** w	30585
	69	80	115	1NO + 1NC	LC1D115* w	36890	LC1D115** w	36265
160	80	110	150	1NO + 1NC	LC1D150* w	38615	LC1D150** w	45570

* Prices indicated above are for standard coil voltage rating, for non-standard coil rating please check the prices with Customer Care

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

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

TeSys Control

TeSys Deca

TeSys Deca Power Contactors (3 Pole DC Low Consumption)

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

[a] Rated Operational Current AC-1	kW	Motor Power AC-3 HP	A	Auxiliary Contacts	Reference	Unit MRP [1]
25	4	5.5	9	1NO + 1NC	LC1D09****	3160
32	5.5	7.5	12	1NO + 1NC	LC1D12****	3620
40	9	12.5	18	1NO + 1NC	LC1D18****	4380
50	11	15	25	1NO + 1NC	LC1D25****	5060
63	15	20	32	1NO + 1NC	LC1D32****	5820
[a] Rated Operational Current AC-1	kW	Motor Power AC-3 HP	A	Auxiliary Contacts	Reference	Unit MRP [1]
80	22	30	40	1NO + 1NC	LC1D40A	7180
100	25	35	50	1NO + 1NC	LC1D50A	8180
125	37	50	65	1NO + 1NC	LC1D65A	9585
160	37	50	80	1NO + 1NC	LC1D80A	12075

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

TeSys Deca Power Contactors (4 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 20A to 250A, AC-1 Rating
- Available with AC (50/60Hz Dual frequency), 17C & DC low consumption (1) coil options
- High Operating ambient temperature, no derating upto 60 deg C

[a] Rated Operational Current AC-1	Poles Composition	AC Control Reference	Unit MRP [1]	DC Control Reference	Unit MRP [1]
20	4NO	-	-	LC1D120**	3620
	2NO + 2NC	-	-	LC1D090**	3020
25	4NO	-	-	LC1D125**	4150
	2NO + 2NC	-	-	LC1D128**	4400
32	4NO	-	-	LC1D132**	4650
	2NO + 2NC	-	-	LC1D180**	6150
40	4NO	-	-	LC1D140**	7150
	2NO + 2NC	-	-	LC1D250**	9450
60	4NO	-	-	LC1D160A	14280
	2NO + 2NC	-	-	LP1D8000**	18750
[a] Rated Operational Current AC-1	Poles Composition	AC Control Reference	Unit MRP [1]	DC Control Reference	Unit MRP [1]
80	4NO	-	-	LC1D180A	21300
	2NO + 2NC	-	-	LP1D6500**	26200
125	4NO	-	-	LP1D8000**	27320
	2NO + 2NC	-	-	LP1D8000**	31530
250	4NO	LC1D1150046*	36480	LC1D1150046*	38280

* Prices indicated above are for standard coil voltage rating, for non standard coil rating please check the prices with Customer Care

Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CAE LC1D09 D150 50/60 Hz	BF	-	-	FF	MF	NF
	LC1D1150046 50/60 Hz	-	-	-	FF	MF	NF
DC*	CAE LC1D09 (38, LC1D09) D150	BF	-	-	FD	MD	-
	LC1D120 D140, LC1D09E D250	BF	-	-	FD	MD	-
	LP1D40 D30, LC1D115	BF	-	-	FD	MD	-
DC Low Consumption**	CAE	BF	-	-	FF	MF	-
	LC1D09 D32	BF	FF	FF	-	-	-

Type	Voltage	24V DC Low consumption	24-60V AC/DC	48-130V AC/DC	100-250V AC/DC
TeSys Deca Green	LC1D40A-80A, LC1D70A-D100A	EEE	ONE	EFE	KJF

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

MINIMUM STOCK ITEMS

W.E.F. January 30th, 2023



TeSys Deca Green

The Revolutionary Electronic Coil Contactor



Complete range in 3 frame sizes:

09-12-18A

25-32-38A

40-50-65-80A

 -80%

Up to 80% less energy consumption than a traditional electromechanical motor starter

10X Reduction
in references

Only 3 references to cover the complete voltage range for AC and DC

 -35%

Highest currents in smallest size, e.g.

PLC Compatible

Direct connection to a PLC without the need for an interposing relay

SEMIF47

High uptime thanks to wide band coil with high resistance to voltage surges (SEMIF47 conform)



Scan to see TeSys Deca Green under voltage performance.

TeSys Control

TeSys Deca

TeSys Deca Green Contactor (3 Pole AC/DC Universal Coil)



- Current Rating: 9-60A
- Universal AC/DC coil from 24 - 250V
- Special low consumption offer from 40-60A
- Fuseless Type 2 Co-ordination charts available

The Revolutionary Electronic Coil Contactor

[In] 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*	3235
	5.5	7.5	12	1NO + 1NC	LC1D12*	3610
20	9	12.5	18	1NO + 1NC	LC1D18*	4110
	11	15	25	1NO + 1NC	LC1D25*	6160
40	15	20	32	1NO + 1NC	LC1D32*	12385
	18.5	25	38	1NO + 1NC	LC1D38*	13275
60	22	30	40	1NO + 1NC	LC1D40A*	14490
80	25	35	50	1NO + 1NC	LC1D50A*	16180
100	37	50	75	1NO + 1NC	LC1D65A*	20615

TeSys Deca Green Power Contactors (4 Pole AC & DC Control)

[In] Rated Operational Current AC-1	Poles Composition	Auxiliary Contacts	DC Control Reference	Unit MRP [€]
60	4NO	1NO + 1NC	LC1D160A*	11280
80	4NO	1NO + 1NC	LC1D180A*	21300

Coil Voltage Code:

Type	Voltage	24-60V AC/DC	48-120V AC/DC	100-250V AC/DC
AC/DC*	LC1D09 - 118, LC1D12A - 60A, LC1D160A - 60A	BBE	BBE	KLS
24V DC Low Consumption*	LC1D40A - 60A, LC1D160A - 60A	BBE (24V DC only)		

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



Check the features of
the TeSys Deca Green

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

84 MERBME STOCK ITEMS

WEF January 30th 2023

TeSys Control

TeSys Deca

Description	For use with	Reference	Unit MRP [1]
Power connection accessories			
Terminal block	For supply to one or more GV2 C busbar sets	GV1009	2725
Set of 63A busbars for paralleling of contactors	2 contactors LC1D09...D18 or D25...D38	GV2245	2165
	4 contactors LC1D09...D18 or D25...D38	GV2445	3405
Set of 115A busbars for paralleling of contactors	2 contactors LC1D40A...D80A	GV2264	3890
	3 contactors LC1D40A...D80A	GV2364 ^(*)	2880
Set of S shape busbars	For circuit breakers GV3 ^{PM} & GV3 TM and contactors LC1D0A...D65A	GV35	1555

*Not applicable for GV3(GV3) 75A and 80A



GV2245



GV2364

Description	For use with	Reference	Unit MRP [1]
Mechanical interlock	LC1D09 to D38(1)	LAD9V7	795
	LC1D40A to D65A(1)	LAD1CM	1820
	LC1D09 and D25 (for AC control voltage)	LAD9002	5545
	LC1D38 and D38 (for DC control voltage)(?)	LAD9002	5290
	LC1D115 and D150(2)	LAD11502	6355

(1) With this set of busbars, any one contactor can be supplied directly by its Level InS 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



LAD9002

Description	For use with	Reference	Unit MRP [1]
Power Connection for Reversing			
Kit Comprising:			
1. A set of parallel bars	LC1D09 to D38	LAD9V5	660
2. A set of reverse bars		LAD0V6	825
	LC1D40A to D65A	LAD05A69	3145
	LC1D60 and D65 (for AC control voltage)	LAD08080	7310
	LC1D80 and D65 (for DC control voltage)	LAD08099	7310
	LC1D115 and D150	LAD11569	12280



LAD08080

Description	For use with	Reference	Unit MRP [1]
Reversing Kit			
Kit Comprising:			
1. A mechanical interlock LAD 9V2 with electrical interlocking LAD 9V1	LC1D09 to D38	LAD9R1V	1655
2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing)			
Kit Comprising:			
1. A mechanical interlock LAD 9V2 without electrical interlocking	LC1D09 to D38	LAD9R11	1610
2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing)			
Kit Comprising:			
1. A mechanical interlock LAD 1CM	LC1D40A to D65A	LAD1R1C	3830
2. A set of power connections LAD 05A69			



LAD9R1V



LAD1R1C

Description	For use with	Reference	Unit MRP [1]
Star Delta Kit			
Time delay contact Block LAD 82 (LC1D09...D38)	LC1D09 and D12	LAD91217	6275
Power circuit connections (LC1D09...D38)	LC1D18 to D32	LAD9217	795
(Hardware required for fixing the contactors onto the mounting plate (LC1D80))	LC1D40A and D60A	LAD95LD	16145
	LC1D80	LAD9817	17995



LAD91217



LAD9217



LAD95LD

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

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

TeSys Control

TeSys Deca

Description	Time Delay Range	Timer Type	Reference	Unit MRP [7]
On delay timer ⁽¹⁾	1s...30 s	on delay	LA1012U	58%
On delay timer ⁽¹⁾	0.1...2 s	on delay	LA1010U	58%
On delay timer ⁽¹⁾	2s...500 s	on delay	LA1014U	66%
Relay interface module - 24V DC ⁽¹⁾			LA1019	54%

(1) For LC1 D09...20A (3P AC coils only) add mounting adaptor LA1019B and for LC1 D40A...65A (3P AC coils only), add mounting adaptor LA1019C.
 (2) For LC1D09...150 (3P), direct mounting, for 100-250V AC Coils only

Description	For use with	Reference	Unit MRP [7]
TeSys Deca Model Mechanical Latch Blocks			
Front, Clip-on	LC1D09...120 (a or c) LC1D120...D140 (a or c) LC1D40A...D65A (3P a or c) LC1D100A and D180A (4P a or c) LC1D80...D150 (3P a) LC1D80 and D115 (3P c) LC1D80 (4P a) LC1D80 and D115 (4P a) LP1D80 and LC1D115 (4P c)	LA08K10*	71%
		LA08K20*	74%

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

Coil Voltage Code

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

Spare Coils TeSys Deca Model

Product Compatibility	Reference
AC Coils	
CAD, LC1 D09...D30, D120...40	LX01*
LC1D40A, D65A, D65A & LC1D100A, D180A	LX03*
D80 & D95 (3P & 4P)	LX106*
LC1 D115, D150	LX108*
DC Coils	
LC1 D80 (3P)	LX01**
LC1 D115, D150	LX03**

* 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...120, D120...40, LC1 D150, LC1D40A, D65A, D65A & LC1D100A, D180A, LC1D150-LC1D80, D95, D115	Rr	Fr	Mr	Nr

TeSys Control

TeSys Deca

Accessories

Description	For use With	Contacts	Reference	Unit MRP (€)	
Add On Blocks					
Additional instantaneous auxiliary contact blocks	LC1D09...LC1D16 & LC1F*	Front Mounted	1NO + 1NC	LACN1	50%
			2NO	LACN20 ⁽¹⁾	85%
			2NC	LACN3	85%
			2NO + 2NC	LACN22 ⁽¹⁾	95%
			4NC	LACN4	180%
			4NO	LACN6 ⁽¹⁾	95%
	LC1D80...LC1D96 & LC1F	Front Mounted	1NO + 2NC	LACN13	95%
			3NO + 1NC	LACN31 ⁽¹⁾	95%
			1NO	LACN10	47%
			1NC	LACN01	47%

Description		Contacts	Reference	Unit MRP (€)
Add On Blocks				
Additional instantaneous auxiliary contact blocks	Side Mounted ⁽¹⁾	1NO + 1NC	LACN11	200%
		2NO	LACN20	
Pneumatic timer blocks front mounted	ON delay	1NO + 1NC 0.1...3s	LAD10	30%
		1NO + 1NC 0.1...30s	LAD12	
		1NO + 1NC 10...180s	LAD14	
	OFF delay	1NO + 1NC 1...30s ⁽²⁾	LAD12 ⁽¹⁾	41%
		1NO + 1NC 0.1...3s	LAD10	30%
		1NO + 1NC 0.1...30s	LAD12 ⁽¹⁾	
		1NO + 1NC 10...180s	LAD14	

(1) Suitable for mounting on TeSys Deca single 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

Connectors	Type	Number of Poles and Size	Instantaneous Auxiliary Contacts				Time delay Front Mounted	
			Side mounted	Front mounted				
				1 contact	2 contact	4 contacts		
AC & A/NC	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 D96A (50/60 Hz)	1 on each side	or	2	and 1	or 1	or 1
		LC1D80 and D96A (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	LC1D70...D140	1 on LH side	and	-	1	or 1	or 1
		LC1D160A and D180A	1 on LH or 1 on RH side	and	-	1	or 1	or 1
		LC1D400R, D500R 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 D96	-	-	-	1	or 1	or 1
		LC1D115 and D150	1 on LH side	and	-	1	or 1	or 1
		LC1D70...D140	-	-	-	1	or 1	or 1
	4P	LC1D160A and D180A	-	-	-	1	or 1	or 1
		LC1D400R, D500R and D80	-	-	2	and 1	or 1	or 1
		LC1D115	1 on each side	-	-	and 1	or 1	or 1
		LC1D09...D38	-	-	-	1	-	-
LC ⁽¹⁾	3P	LC1D70...D140	-	-	-	1	-	
	3P	LC1D70...D140	-	-	-	1	-	

(1) LC: Low consumption

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

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

TeSys Control

TeSys Deca

Accessories

Description	For use with	Reference	Unit MRP [1]
For Contactor D115/150			
Contacts set - 3P	IC10115	LA601150031	23680
Contacts set - 3P	IC10150	LA60150003	24340
Contacts set - 4P	IC101150046	LA60115004	30765

Product Compatibility	Facing	Control Circuit Voltage	Suppressor Type	Reference	Unit MRP [1]
Coil Suppressor Modules					
IC1012...D25 (4P)	Screw	110...240V AC	RC Circuit AC	LA40A1U	1880
IC1012...D25 (4P)		12...250V DC	Diode DC	LA40C1U	2060
IC1029...D38, IC1009...D38, IC10170...D140, IC20120...D140 (3P)		24...48V AC	Varistor AC/DC	LA40V5	1760
		24...48V AC 400Hz	RC Circuit AC	LA40RC1	1615
CAD		60...127V AC 200Hz	RC Circuit AC	LA40RC2	1615
		110...240V AC 100Hz	RC Circuit AC	LA40RC3 vs	1760
IC1080, IC1086, IC2080, IC2086 (3P), IC2088 (4P), IC10M0000, IC10G2000		110...250V AC	Varistor AC/DC	LA40V3	1840
		24...250V DC	Diode DC	LA40C3U	1940
IC1080, IC1086, IC2080, IC2086 (3P), IC2088 (4P), IC10M0000, IC10G2000		110...250V AC	Varistor AC/DC	LA40V2U	1760
		24...48V AC 400Hz	RC Circuit AC	LA40A2	1775
		60...127V AC 200Hz	RC Circuit AC	LA40A3G	2275
		110...240V AC 100Hz	RC Circuit AC	LA40A2U	1840
		300...415V AC 150Hz	RC Circuit AC	LA40A2N	2275
24...48V DC		Varistor AC/DC	LA40V3E	1840	

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

☑ MRP: STOCK ITEMS

WEF: January 30th, 2023

TeSys Control

TeSys Deca

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

Simple, customisable modular marking system

Standard TeSys Deca contactors

Easy-to-attach covers:



Auxiliary blocks with safety chain identification also available for more contact points:

Standard TeSys Ultra motor starters

Translucent labels to identify safety-chain devices:



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



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles

Complete safety-chain identification system

TeSys Deca range				TeSys Ultra range
Retrofit contactor safety covers		Auxiliary contact block		Retrofit identification label
LAD0E11S 5A upto 65A	LAD0E135 80A to 95A	LAD0E14S 110A to 150A	LAD0G2S 2NO + 2NC	LURE11S
Not available in CANADA/USA				

Built in Safety

TeSys Ultra motor starters are certified according to IEC 60947-4-1 for safety applications thanks to integrated mm2 contact

Description	For use with	Reference	Unit MRP (€)
Red Cover (For safety chain indication)	LC1D00...125A and 0120...0180A	LAD0E11S	>8€
Auxiliary Contact block with red front face for safety chain indication	2NO + 2NC	LAD0G2S	109€

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

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023



New TeSys Giga Contactors and Relays Futuristic ready...

- **New generation** of high power contactors: 115-800 A (AC-3)
- **Advanced contact wear diagnosis** for **predictive maintenance**
- **Modular design** for easy maintenance and short down times
- **Compact design** for less installation space consumption
- **Less product references** for **easier selection** and **reduced inventory**
- **Right choice** for a wide range of **demanding applications!**



se.com/fr/TeSys

TeSys Control

TeSys Giga

A comprehensive range of TeSys Giga Contactors that are available in 'Advanced' and 'Standard' versions, in 3 sizes, covering several ratings.

A common range of auxiliary contacts and accessories, enabling high flexibility and simplicity.

> TeSys Giga Contactors - Standard version



Power & control

- 3 or 4 power poles
- 115 to 800A (AC-3)
- 200 to 1050A (AC-1)
- Embedded 1 NO + 1 NC auxiliary contacts
- Push-in type terminals for coils & control

Remote control

- 48-130V, 100-250V AC/DC coils
- Wide voltage range coils (direct coil control)
- Embedded surge-suppressor

Diagnostic

- Embedded wear diagnostic
- Embedded control voltages diagnostic
- Self diagnosis function
- Local alarm signaling (LED)

Mounting

- 'Cabling memory' adapter enables maintenance without removing power cables and busbar connections. (Provided as an accessory in standard version)

> TeSys Giga Contactors - Advanced version



Power & control

- 3 or 4 power poles
- 115 to 800A (AC-3)
- 200 to 1050A (AC-1)
- Embedded 1 NO + 1 NC auxiliary contacts
- Push-in type terminals for coils & control

Remote control

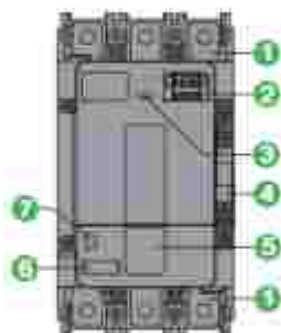
- 24-48V, 48-130V, 200-500V AC/DC coils
- Low consumption coils
- Wide voltage range coils (direct coil control)
- Digital control input (PLC output digital coil control)
- Embedded surge-suppressor

Diagnostic

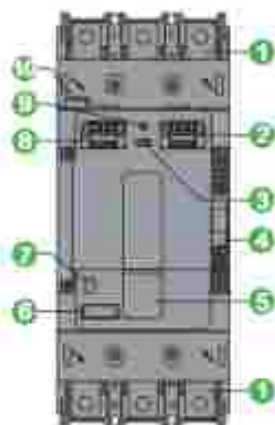
- Embedded wear diagnostic
- Embedded control voltages diagnostic
- Self diagnosis function
- Local alarm signaling (LED)
- Remote wear diagnostic signaling kit (accessory)

Mounting

- 'Cabling memory' adapter enables maintenance without removing power cables and busbar connections. (Provided as default in advanced version)



Standard ('N') version



Advanced ('A') version

- 1 Power connection (cable memory kit, provided with Advanced version contactor)
- 2 A1-A2 coil terminal
- 3 Contact wear diagnosis LED
- 4 1 NO + 1 NC auxiliary contact
- 5 QR code
- 6 Label holder
- 7 Status indicator
- 8 PLC control terminal
- 9 PLC control ON/OFF switch
- 10 connector for Remote Wear Diagnostic (RWD) module

*Product finishes: finishing by A or N

TeSys Control

TeSys Giga

TeSys Giga Power Contactors (3 Pole AC and DC)



Future ready:

Continuous local and remote monitoring of contact wear optimizes the predictive maintenance by allowing you to replace contacts only when necessary, facilitated by diagnostic visual indicator

- Current Rating: 115-800¹⁾ A AC3 rating; and AC1 upto 1050¹⁾ A
- Universal AC/DC electronic wideband coil
- Fuseless Type 2 Co-ordination charts as per IEC60947-4-1 available
- Conformity to international Standards – IEC, UL, CSA, CE

[a] Rated Operational Current AC-1	Motor Power (Long Life) AC-3			Standard version Reference	Unit MRP ²⁾ [€]	Advanced version Reference	Unit MRP ²⁾ [€]
	kW	HP	A				
250	55	80	115	LC1G115 ¹⁾ **N	2950	LC1G115 ¹⁾ **A	On Request
275	80	110	150	LC1G150 ¹⁾ **N	3005	LC1G150 ¹⁾ **A	
305	100	135	185	LC1G185 ¹⁾ **N	4080	LC1G185 ¹⁾ **A	
330	110	150	225	LC1G225 ¹⁾ **N	5075	LC1G225 ¹⁾ **A	
385	140	190	265	LC1G265 ¹⁾ **N	6170	LC1G265 ¹⁾ **A	
440	180	245	330	LC1G330 ¹⁾ **N	7465	LC1G330 ¹⁾ **A	
560	275	380	400	LC1G400 ¹⁾ **N	9075	LC1G400 ¹⁾ **A	
700	280	380	500	LC1G500 ¹⁾ **N	12510	LC1G500 ¹⁾ **A	

TeSys Giga Power Contactors (4 Pole AC and DC)

[a] Rated Operational Current AC-1	Power Pole Configuration		Standard version Reference	Unit MRP ²⁾ [€]	Advanced version Reference	Unit MRP ²⁾ [€]
250	4 NO		LC1G115 ¹⁾ **N	4080	LC1G115 ¹⁾ **A	On Request
275	4 NO		LC1G150 ¹⁾ **N	3675	LC1G150 ¹⁾ **A	
305	4 NO		LC1G185 ¹⁾ **N	5080	LC1G185 ¹⁾ **A	
330	4 NO		LC1G225 ¹⁾ **N	8180	LC1G225 ¹⁾ **A	
385	4 NO		LC1G265 ¹⁾ **N	9115	LC1G265 ¹⁾ **A	
440	4 NO		LC1G330 ¹⁾ **N	10650	LC1G330 ¹⁾ **A	
560	4 NO		LC1G400 ¹⁾ **N	13250	LC1G400 ¹⁾ **A	
700	4 NO		LC1G500 ¹⁾ **N	16650	LC1G500 ¹⁾ **A	

Standard Coil Reference¹⁾**N

E1EN

K1EN

Voltages (AC/DC)

48-130

100-250

Standard Coil Reference¹⁾**A

1SEA²⁾

BETA²⁾

Voltages (AC/DC)

200-500

24-40

1: Advanced version (Price on request)

2: Available up to 500 A

Contactor prices are for the standard version (100-250 V AC/DC) and inclusive of coil.

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

Accessories - TeSys Giga

Add On Blocks	Flush to Type Terminal	Position	Contacts	Reference	Unit MRP ²⁾ [€]
Auxiliary contact module	1st left or 1st right	Side Mounted ¹⁾	1 NO+1 NC	LAC2N113P	1325
		Side Mounted	2 NO	LAC2N203P	1720
	2nd left or right	Side Mounted	1 NO+1 NC	LAC2N113	1325
		Side Mounted	2 NO	LAC2N203	1720

[1] Always supplied with TeSys Giga AC/DC contactors, fitted to the right side lateral face.

Mechanical interlock between contactors ¹⁾	Reference	Unit MRP ²⁾ [€]
For Use With Contactor		
Between identical contactor frames	LAC2P/0	2405
Between LC1G(265-500) and LC1G(185-325)	LAC2P/1	
LC1G265 to LC1G400 and LC1G265 to LC1G500	LAC2P/2	On Request

[1] Maximum 3 auxiliary contacts can be installed between 2 contactors with mechanical interlock kit.



EcoStruxure™ Motor Control Configuration



Product Selector for TeSys Giga



EcoStruxure™ Motor Management Design

TeSys H - Ultra Compact Hybrid Motor Starters

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



Up to 75 % of space reduction

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

Long electrical durability

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

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

Easy Design

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

Easy to integrate








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

It is recommended to check with Customer care team for selection, recommendation and availability of stockable and non stockable references.

TeSys Protection Range

TeSys has the most rugged and reliable solution to manage motors.

Please find a quick range overview below.

Features	TeSys Power		TeSys Protect				TeSys Actus			
	Motor Protection Circuit Breakers		Overload Relays		Multi function Relays		TeSys Ultra	TeSys T	TeSys Island	
TeSys Range of Products	GV2P, GV4P GV3P;GV2ME	GV4PEM	LR2K, LR2, LR3D, LR3F	LR2	LR3D	LR3C	EOCR	TeSys Ultra	TeSys T	TeSys Island
										
Short circuit										
Causes of overheating										
Slight overload										
Locked rotor										
Ventilation fault With probes								With Probes	With Probes	
Abnormal temperature rise									With Probes	
Shaft bearing seizure										
Insulation fault						With OICI				
Long starting time Adjustable Adjustable		Adjustable				Adjustable	Adjustable	Adjustable	Adjustable	
Heavy duty				LR3D only						
Voltage variation (reset)										
Causes of phase variation										
Phase reversal										
Phase losses										
Phase imbalance										
Earth fault	GV2P only									
Historic fault, Pre-Alarm						Possible to alarm				

Protection Relays for Motor Safety

Providing Motor Safety
tailored to your needs



TeSys Protect

TeSys K, TeSys Deca, TeSys F, TeSys Giga

Thermal Overload Relays - TeSys K Series (Direct Mounting)



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

Thermal Protection Adjustment Range	For Use With	For Use With	Unit AMP [A]
0.11...0.16		LRK0301	20A
0.16...0.25		LRK0302	
0.25...0.36		LRK0303	
0.36...0.54		LRK0304	
0.54...0.8		LRK0305	
0.8...1.2		LRK0306	
1.2...1.8	LC1K, LP1K, LMK, LPSK, LC2K	LRK0307	
1.8...2.6		LRK0308	
2.6...3.7		LRK0310	
3.7...5.5		LRK0312	
5.5...8		LRK0314	
8...11.5	LRK0316	70A	
10...14	LRK0321		
12...16	LRK0322		

*Note: Terminal Block for Clip on Mounting (A/X0064)

Thermal Overload Relays - TeSys Deca Series



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit AMP [A]		
LRD Model (Direct Mounting)					
0.1...0.16		LRD01	20A		
0.16...0.25		LRD02			
0.25...0.4		LRD03			
0.4...0.63		LRD04			
0.63...1		LRD05 sd			
1...1.6	CV200, LC03, LC1000...LC1000	LRD06 sd			
1.6...2.5		LRD07 sd			
2.5...4		LRD08 sd			
4...6		LRD10 sd			
5.5...8		LRD12 sd			
7...10	LRD14 sd	27A			
9...13	LRD16 sd				
12...16	LRD18 sd				
16...24	CV207, LC1025...1030	LRD22 sd	70A		
25...32	LC1025...LC1038, LC1032	LRD27 sd		60A	
36...38	LC1032, LC1038	LRD28			
36...38	LC1040A...1060	LRD32			
25...32	LC1000...LC1095	LRD35 sd	50A		
36...40	LC1040A...1060	LRD40			
36...40	LC1000...LC1095	LRD35 sd			
37...50	LC1040A...1060	LRD50 sd			100A
40...50	LC1000...LC1095	LRD357			
40...65	LC1040A...1060	LRD38			100A
62...80	LC1000A	LRD380			
40...65	LC1080...LC1095	LRD3359			100A
63...80	LC1000...LC1095	LRD360			
80...104	LC1080...LC1095	LRD365			115/5

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

MINIMUM STOCK ITEMS

W.E.F. January 30th, 2023

Electronic Overload Relay - TeSys Deca Series

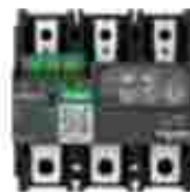


- Conformance to IEC, UL, CSA
- Range : 0.1A to 32A
- 0:1 Adjustment range
- High Operating temperature
- Fixed secondary tripping class : 5, 10, 20 & 30
- Type 1 & type 2 Co-ordination chart available

Current Range	For Use With	Reference*	Unit AMP [A]
0.1...0.5		LRD001	10/25
0.4...2.0	LC1000 - 30A Direct Mounting	LRD002	10/15
1.6...8.0		LRD006	10/15
6.4...32		LRD032	10/15

*Note: For LR001 to LR002 - Terminal Block for Clip on Mounting (A/X0065)

Electronic Overload Relay - TeSys Giga Series



- Wide range of protection with only 4 references (25A to 630A)
- Switchable protection against ground fault and phase imbalance
- CN status and overload alarm signaling by LED
- Direct mounting of relay with contactors saving in panel space and installation time
- Selectable trip class from 5E to class 30F to suit different application needs

Thermal Protection Adjustment Range	Reference	Unit AMP [A]
25...115 A	LRG015	1000
57...225 A	LRG025	2250
125...500 A	LRG050	2000
160...630 A	LRG0630*	on request

*Note:

- For LR001...LR006 - Terminal block for clip on Mounting (A/X0065)
- For LR000** - Terminal Block for clip on Mounting (A/X0064)
- For LR002, LR050, LR060 & LR065 - Connection block for separate mounting (A0065C)
- 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.

Advanced Motor Protection

High performance protection
for your application



EOLR Electronic Overload Relay

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



EOCR Electronic Over Current Relay

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

TeSys Protect

EOLR, EOCR

EOLR

Electronic Overload Relay

- Conformance to IEC, UL, CSA
- Range : 0.1A to 630A
- High Operating Temperature
- Field selectable tripping class : 5, 10, 20 & 30
- Type 1 & Type 2 Co-ordination chart available

Current Range	For Use With	Reference*	Unit MPP [3]
LR9-D Electronic Protection Relays			
0.1 - 0.5		LR9D01	11215
0.4 - 2.0	IC1000 - 38A Direct Mounting	LR9D32	11515
1.6 - 6.0		LR9D08	
0.4 - 32		LR9D32	12880
LR9-G Electronic Protection Relays			
28 - 116		LR9G116	18340
57 - 229	IC10115 - 630A Direct Mounting	LR9G225	22160
125 - 500		LR9G500	26170
160 - 630		LR9G300	On Request

Note: for LR9D01 to LR9D32 terminal block for Clip on Mounting LAD76295.

Analog EOCR

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

EOCR SS

- Without Display



Current Range	Control Voltage	Reference	Unit MPP [3]
0.5-6	24-240V AC/DC	EOCRSS-05S	6170
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 O C R S S - 0 5 S

Current Setting Range	S	0.5-6A	For 60A or higher, combine (S) type and an external CT (secondary 5A) for use
	30	3.0-30A	
	60	5.0-60A	
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

MINIMUM STOCK ITEMS

Protection Relay Selection Table

Function/option	EOLR		EOCR	
	LR9D/LR9G	SS/SSD	30MM2/30MM2	380MM2/380MM2/380MM2
Precise Overload Protection (Inverse Time)				
Over Current Protection (Definite Time)				
Selectable Trip Class 5-30				
Current Imbalance Protection	LR9D Only			
Locked Rotor Phase Loss				
Under current Protection				
Ground Current Protection	LR9D Only			
Current Measurement	3CT	2CT	3CT	3CT
Current Display				
Direct Mounting on Contacts	\$			
Trip History				
Configurable protection functions				

* - over current based protection

w - with SSD

\$ - upto 38 Amps

Possible solution

Ideal solution

EOCR SSD

- With Display (Operating Current & Trip Cause)



Current Range	Control Voltage	Reference	Unit MPP [3]
0.5-6	24-240V AC/DC	EOCRSSD-05S	9080
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 O C R S S D - 0 5 S

Current Setting Range	S	0.5-6A	For 60A or higher, combine (S) type and an external CT (secondary 5A) for use
	30	3.0-30A	
	60	5.0-60A	
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.

TeSys Protect EOCR

Digital EOCR



Selection Table for Digital EOCR

3 D M 2 - W R D U W Z

Digital Electronic Over-current Relay	3DM2	Without Ground Fault Protection	
	FDM2 3M22/ FM22/ 3B22/ FB22	With Ground Fault Protection with External ZCI	
Built-in display	3••Z	Flush mounting display, F••Z	
No. Items	Type	Current Range	
Standard	WR	0.5...10A	
Relay Output	D	b (95-96), a (97-98), a (97-98) 3UM2, FDM2	
	A	a (97-98), OI, a (97-98), OI*	3M22, 1M22
	C	b (95-96), a (97-98), OI, OI*	
	D	b (95-96), OI, a (97-98), OI*	
Control Power	B	AC/DC 24V	
	U	AC/DC 100-240V	
Wiring Method	W	Window hole type	
	H	Bottom hole type	
Version	Z	New version	

* Not Possible with 3M22/FB22

- Micro-controller unit based
- Real time processing / High precision
- Protections : Over current, Under current, Phase loss, Phase reversal, Stall, Jam, Current imbalance, Earth fault (3M22 / 1M22/3B22/ FB22)
- Current Rating - 0.5 to 400A
- Bar graph indication of a load current to the current setting
- Ancillary functions : Trip rate, Accumulated running hour & faults records & limitation of auto-test etc.
- Individual phase i-THD monitoring
- Suitable low Frequency Operation
- Communication capable RS485 (Optional)

Digital EOCR				
Current Range	Control Voltage	Reference	Description	Unit MRP (€)
0.5-80A	100-240V AC/DC	3DM2 WRDUWZ		2040
		3DM2 WRDUH2	Without ground fault protection	2204
		FDM2 WRDUWZ		
		FDM2 WRDUH2		
		3M22 WRDUWZ		3002
		3M22 WRDUH2		
		3M22 WRDUWZ		
		3M22 WRDUH2		
		3M22 WRDUWZ		
		3M22 WRDUH2		
		3M22 WRDUWZ		
		3M22 WRDUH2		
		3M22 WRDUWZ		
		3M22 WRDUH2		
		3M22 WRDUWZ	With ground fault protection	2404
		1M22 WRDUWZ		
		1M22 WRDUH2		
		1M22 WRDUWZ		
		1M22 WRDUH2		
		1M22 WRDUWZ		
1M22 WRDUH2				
1M22 WRDUWZ				
1M22 WRDUH2				
3B22 WRDUH2	With ground fault protection	30040		
1B22 WRDUH2	With ground fault protection (built ZCI)	3005		
1B22 WRDUH2				

EOCR Accessories

ZCI - Ground Fault Protection			
Reference	Description	Unit MRP (€)	
ZCI 025-Z	ZCI EP 25 mm (On Request)		
ZCI 080-Z	ZCI EP 80 mm	5195	
ZCI 120-Z	ZCI EP 120 mm	14410	

Display Cable for FDM2/FM22/FB22		
Reference	Description	Unit MRP (€)
CABE1-10M-001Q	CABLE 1M	236

ZCI - Ground Fault Protection				
3CT - H1 - 100 - Z				
C				
Reference	Description	Unit MRP (€)		
C CT ratio	H1-100-Z	Square 3CT 100A	5200	
	H1-150-Z	Square 3CT 150A	8640	
	H2-200-Z	Square 3CT 200A	1100	
	H3-300-Z	Square 3CT 300A	7475	
	H4-400-Z	Square 3CT 400A	8795	

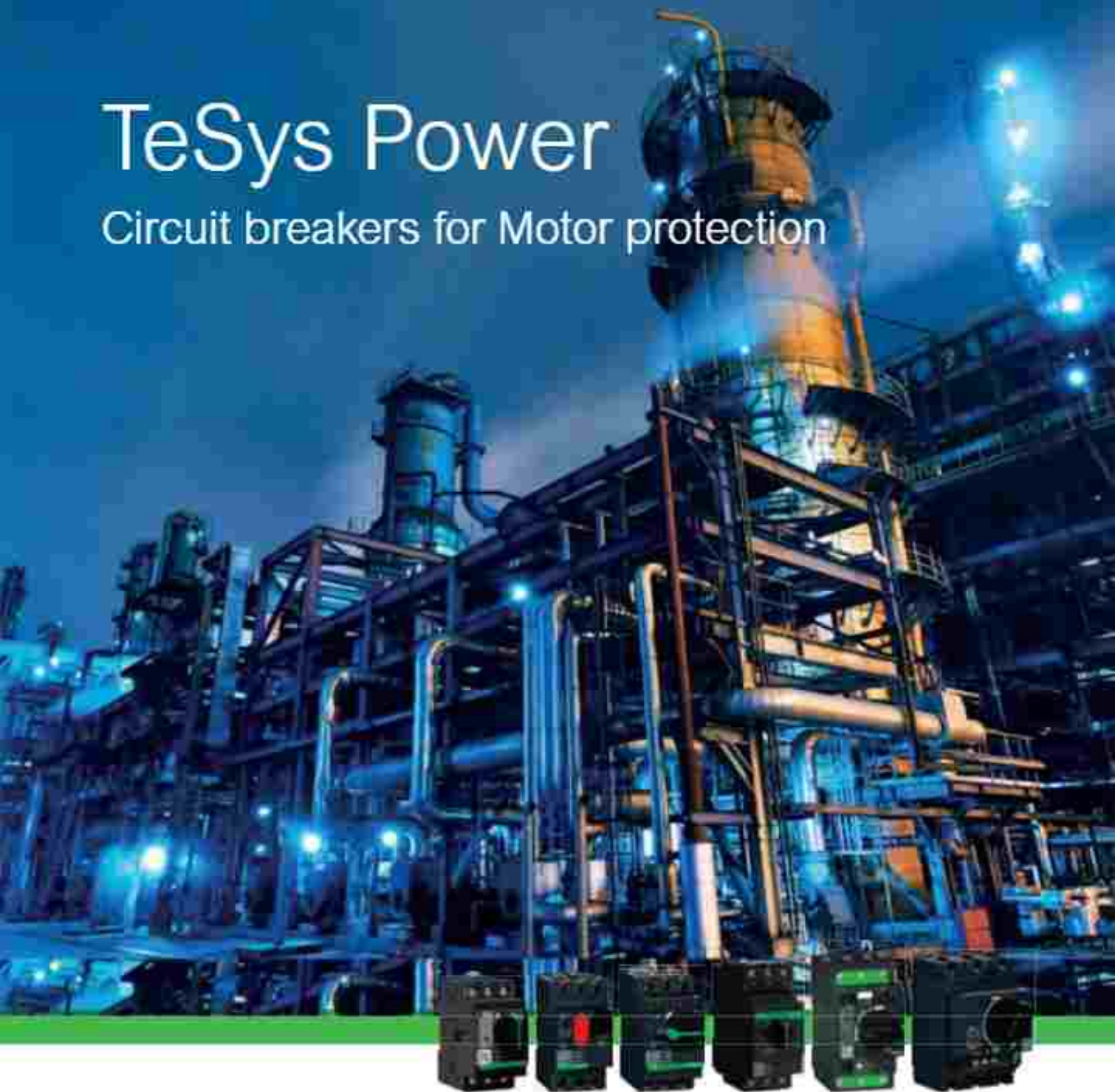
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

88 NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

TeSys Power

Circuit breakers for Motor protection



Circuit breakers for motor protection and control

TeSys Deca and TeSys Giga Circuit Breakers provide compact, reliable and efficient solutions:

- Isolation
- Protection against short circuits and overloads
- Control of motors from 0.06 to 250 kW
- Conforming to global standards (IEC/EN/UL/CSA)



For more information on motor protection circuit breakers

se.com/fr/TeSys

TeSys Power

Circuit Breakers for Motor Protection

Magnetic Circuit Breaker



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

Breaking Capacity at 415V 50Hz	Motor Power AC-3**		Magnetic Protection Rating (A)	Reference	Unit MIP* (7)
	kW	HP			
With Rocker Lever Control (Economy)*					
100kA	0.09	-	0.4	GV2L03	s715
	0.18	-	0.63	GV2L04	
	0.37	0.5	1	GV2L05	
	0.55	-	1.6	GV2L06	
	1.1	1.5	2.5	GV2L07	
	1.5	2	4	GV2L08	
	2.2	3	6.3	GV2L10	
	3	4.5	10	GV2L14	
16kA	5.5	7.5	14	GV2L16	6016
	7.5	10	18	GV2L20	
	11	15	25	GV2L22	
10kA	15	20	32	GV2L32	10200
With Rotary Handle Control*					
100kA	0.09	-	0.4	GV2L03	s885
	0.18	-	0.63	GV2L04	
	0.37	0.5	1	GV2L05	
	0.55	-	1.6	GV2L06	
	1.1	1.5	2.5	GV2L07	
	1.5	2	4	GV2L08	
	2.2	3	6.3	GV2L10	
	4	5.5	10	GV2L14	
50kA	5.5	7.5	14	GV2L16	16720
	7.5	10	18	GV2L20	
	11	15	25	GV2L22	
30kA	15	20	32	GV2L32	17115
	18.5	25	40	GV2L40	
	22	29	50	GV2L50	
	30	40	65	GV2L65	
	37	50	75	GV2L75	
With Toggle Control					
50kA	37	50	80	GV2L80M6	On Request
	55	75	115	GV2L115M6	
	75	101	150	GV2L150	
	110	147	220	GV2L220	
	160	214	320	GV2L320	
	200	268	500	GV2L500	

* Conforming to IEC 60947-2:3-4

** s(160Hz - 415V)

• GV2-L with the TeSys Deca contactor and LND overload relay provides Type 2 Co-ordination

** s(60Hz - 415V)

(1) With GV2-L 32mm frame, breaking capacity can be increased to 100kA. Combination of the GV2-M with the TeSys Deca provides Type 2 Co-ordination.

(2) With GV2-L 32mm frame, breaking capacity can be increased to 100kA. Combination of the GV2-F with the TeSys Deca provides Type 2 Co-ordination.

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**		Thermal Protection Adjustment Range	Reference	Unit MIP* (7)		
	kW	HP					
With Push Button Control (Economy)							
100kA	-	-	0.1 - 0.16	GV2ME01	s405		
	0.09	-	0.16 - 0.25	GV2ME02			
	0.18	-	0.25 - 0.40	GV2ME03			
	0.37	0.5	0.40 - 0.63	GV2ME04 M			
	0.55	-	0.63 - 1.0	GV2ME05 M			
	1.1	1.5	1.0 - 1.6	GV2ME06 M			
	1.5	2	1.6 - 2.5	GV2ME07 M			
	2.2	3	2.5 - 4	GV2ME08 M			
16kA	5.5	7.5	4 - 6.3	GV2ME10 M	6180		
	7	10	6 - 10	GV2ME14 M			
	11	15	8 - 14	GV2ME16 M			
10kA	7.5	10	10 - 18	GV2ME20 M	2450		
	11	15	14 - 21	GV2ME21 M			
	15	20	20 - 25	GV2ME22 M			
10kA*	15	20	24 - 32	GV2ME32 M	12805		
	With Rotary Handle Control						
	100kA	-	-	0.1 - 0.16		GV2R01	s375
0.09		-	0.16 - 0.25	GV2R02			
0.18		-	0.25 - 0.40	GV2R03			
0.37		0.5	0.40 - 1.0	GV2R05 M			
0.55		0.75	1.0 - 1.6	GV2R06			
1.1		1.5	1.6 - 2.5	GV2R07			
1.5		2	2.5 - 4	GV2R08 M			
2.2		3	4 - 6.3	GV2R10 M			
50kA	5.5	7.5	6 - 10	GV2R14 M	6250		
	7.5	10	8 - 14	GV2R16 M			
	11	15	10 - 18	GV2R20 M			
35kA**	15	20	24 - 32	GV2R32 M	16185		
	18.5	25	30 - 40	GV2R40 M			
	22	30	40 - 50	GV2R50 M			
10kA	30	40	48 - 65	GV2R65 M	24105		
	37	50	62 - 75	GV2R75			
	With Toggle Control						
50kA	37	49.58	40 - 80	GV2R80M6	22140		
	55	73.7	60 - 115	GV2R115M6			
With Direct Rotary Handle							
10kA	75	101	70 - 150	GV2R150H	6500		
	110	147	100 - 220	GV2R220H			
	160	214	160 - 320	GV2R320H			
	200	268	250 - 500	GV2R500H			

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2020

TeSys Power

Circuit Breakers for Motor Protection

GV4LE



- IEC/EN 60817-1, IEC/EN 60817-2, CCC, EAC
- Can be used with class 5, 10 or 20 motor
- Short Circuit Protection with an adjustable pick-up I_n = 6 to 14 In
- From 0.25 – 55kW

Magnetic Toggle Control

Motor Power AC-3 (400V/15V 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	12-20			GV4LE02NE		GV4LE02SE	
0.55-1.5	0.7-2	3.5	21-49			GV4LE03NE		GV4LE03SE	
1.5-3	2-4	7	42-96			GV4LE07NE		GV4LE07SE	
3.5-5	4-7.5	12.5	75-175			GV4LE12NE	On Request	GV4LE12SE	On Request
5.5-11	7.5-14	25	150-360	GV4LE25SE		GV4LE25NE		GV4LE25SE	
11-22	15-30	50	300-700	GV4LE50SE	On Request	GV4LE50NE		GV4LE50SE	
18.5-37	26-50	80	480-1120	GV4LE80SE		GV4LE80NE		GV4LE80SE	
30-55	40-75	115	800-1610	GV4LE115SE		GV4LE115NE		GV4LE115SE	

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

GV4PE



- IEC/EN 60817-1, IEC/EN 60817-2, IEC/EN 60817-4-1, UL 60197-4-1, 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 (400V/15V 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	0.8-2			GV4PE02NE		GV4PE02SE	
0.55-1.5	0.7-2	3.5	1.4-3.5			GV4PE03NE		GV4PE03SE	
1.5-3	2-4	7	2.9-7			GV4PE07NE		GV4PE07SE	
3.5-5	4-7.5	12.5	5-12.5			GV4PE12NE	On Request	GV4PE12SE	On Request
5.5-11	7.5-14	25	10-25	GV4PE25SE		GV4PE25NE		GV4PE25SE	
11-22	15-30	50	20-50	GV4PE50SE	On Request	GV4PE50NE		GV4PE50SE	
18.5-37	26-50	80	40-80	GV4PE80SE		GV4PE80NE		GV4PE80SE	
30-55	40-75	115	80-115	GV4PE115SE		GV4PE115NE		GV4PE115SE	

Note: For Everlink version please order after removing the E 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	LAD06S/00
Interphase barriers	6	TV426920
Spreader 3-pole	To increase the pitch to 35 mm	LV426960

It is recommended to check with Customer care team for selection, recommendations, and availability of stockable and non stockable references.

SEE MORE STOCK ITEMS

W.E.F. January 30th, 2023

TeSys Power

Circuit Breakers for Motor Protection

Accessories for GV4



MX Shunt Trip

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

MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 25% of its rated voltage

Description	Mounting	Voltage	Reference	Unit MRP [€]
Mx Shunt Trip	Internal, Plug-In	220-280 VAC 50 Hz, 268-280 VAC 60 Hz, 277 VAC 60 Hz	GVMA397	On request
Mn Under Voltage Release	Internal, Plug-In	440-480 VAC 60 Hz	GVMA486	

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/Under-voltage 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	GVMA11	On request

Rotary Handles

Description	Type	Degree of Protection	Reference	Unit MRP [€]
Direct Mounting Rotary Handle	BLACK	IP40	GVMA0N01	On request
	BLACK	IP54	GVMA0R01	
Front Extended Rotary Handle (Max Shunt Length 214mm/Max Shunt Length 621mm)	RED HANDLE ON YELLOW BEZEL	IP54	GVMAFN02	
	RED HANDLE ON YELLOW BEZEL	IP65	GVMAFN04	
	RED HANDLE ON YELLOW BEZEL	IP65	GVMAFN04	
	RED HANDLE ON YELLOW BEZEL	IP65	GVMAFN04	

Connection Accessories

Description	Reference
Spreader 3-pole (to increase pitch to 36mm) (1 pole)	GVK0940

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2025

TeSys Power

Circuit Breakers for Motor Protection

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [€]	
For GV2			
Front contact NO or NO ⁽¹⁾	GVAE1	102s	
Front contact NO + NC	GVAE11 M	128s	
	GVAF20	162s	
Side contact NO + NC	GVAN11 M	166s	
	GVAN20		
Fault signalling contact + 1NO contact ⁽²⁾	GVAF1010 M	217s	
Fault signalling contact + 1NC contact ⁽²⁾	GVAF1001		
Short circuit signalling contact block 1 CO	GVAM11	200s	
Under voltage	110 ... 115V 50Hz	GVU111b	480s
	220 ... 240V 50Hz	GVU225	
trip	380 ... 400V 50Hz	GVU38b	
Shunt trip	110 ... 115V 50Hz	GVAS11b	386s
	220 ... 240V 50Hz	GVAS25	
	380 ... 400V 50Hz	GVAS38b	
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P	GVTL3	638s	
Connection block - GV2 with contactor ICT D00, D38	GVVA3	77s	
Connection block - L51 D02 or GV2 with Contactor ICT K or LPI-K	GVVA01	84s	
Empty enclosure for GVME - plastic	GVME02	361s	
	GVME02	403s	

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

(2) The GVAD is always mounted next to the circuit breaker.

Busbars

Connection Pitch	No. of Topoff Points	Reference	Unit MRP [€]
For GV2			
45 mm	2	GVG24b	216s
	4	GVG241b	340s
	7	GVG251	196s
54 mm	3	GVG361	222s
	4	GVG451	270s
72 mm	5	GVG601	300s
	4	GVG547	341s

Description	Reference	Unit MRP [€]
Accessories for Busbars		
Terminal block - to supply one or more 3-pole busbar GV2	GVG26	658s
Protective end covers for unused busbar outlets	GVG10	75s
Terminal block for connection from top	GVG09	722s

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [€]
For GV2-P/GV2-L		
External operator - IP54, Black	GV2AN01 M	200s
External operator - IP54, Yellow/Red	GV2AN02	231s
Visible isolation block - for motor circuit breaker GV2	GV2AK00	329s
For GV3P/GV3L		
Auxiliary Contacts		
Front contact: 1 NO (load) + 1NC (Auxiliary)	GVAF1011	546s
Front contact: 1 NO (load) + 1NO (Auxiliary)	GVAF1010	151s
Busbar		
3 pole, 3 top, 64 mm pitch	GVG261	208s
5 shape bus bar	GV35	166s
External Operator		
IP54, Black	GV3AN01	478s
IP54, Yellow/Red	GV3AN02	560s

Note: All other accessories are same as of GV2.

Busbars GVG261 and GV35 are not compatible with GVTL3 and GVTR0.

Description	Operating Voltage	Reference	Unit MRP [€]
For GV5 and GV6			
Auxiliary contact - 1 CO	-	GV7AE11 M	329s
Clip on connector - up to 150 A 1.5-96 mm ²	-	GV7AC01	138s
Clip on connector - up to 220 A 1.5-166 mm ²	-	GV7AC02	181s
Front rotary handle	-	GV7AR00	560s
GV7AP GV7R - black handle ⁽¹⁾	-	GV7AR01	960s
Locking device - 1.3, pedicels Ø 5.0mm thick ⁽²⁾	-	GV7V01	122s
Terminal shanks IP40 ⁽³⁾	-	GV7AC01	269s
For GV5 and GV6			
Shunt release	200-240 V AC 50/60 Hz	GV7AC07	165s
Under Voltage release	200-240 V AC 50/60 Hz	GV7AU01	770s

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

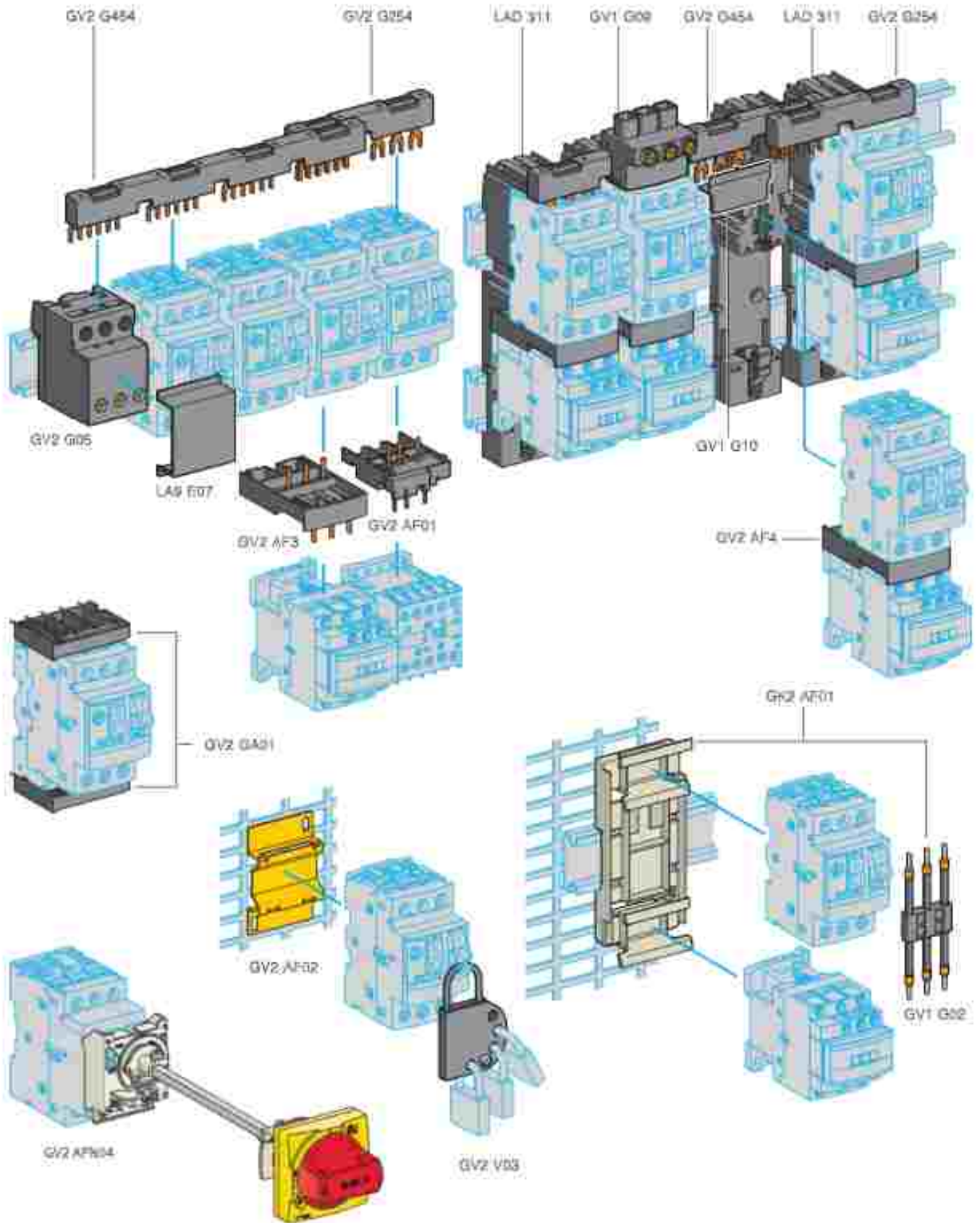
(2) For mounting direct rotary handle on enclosure side.

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.

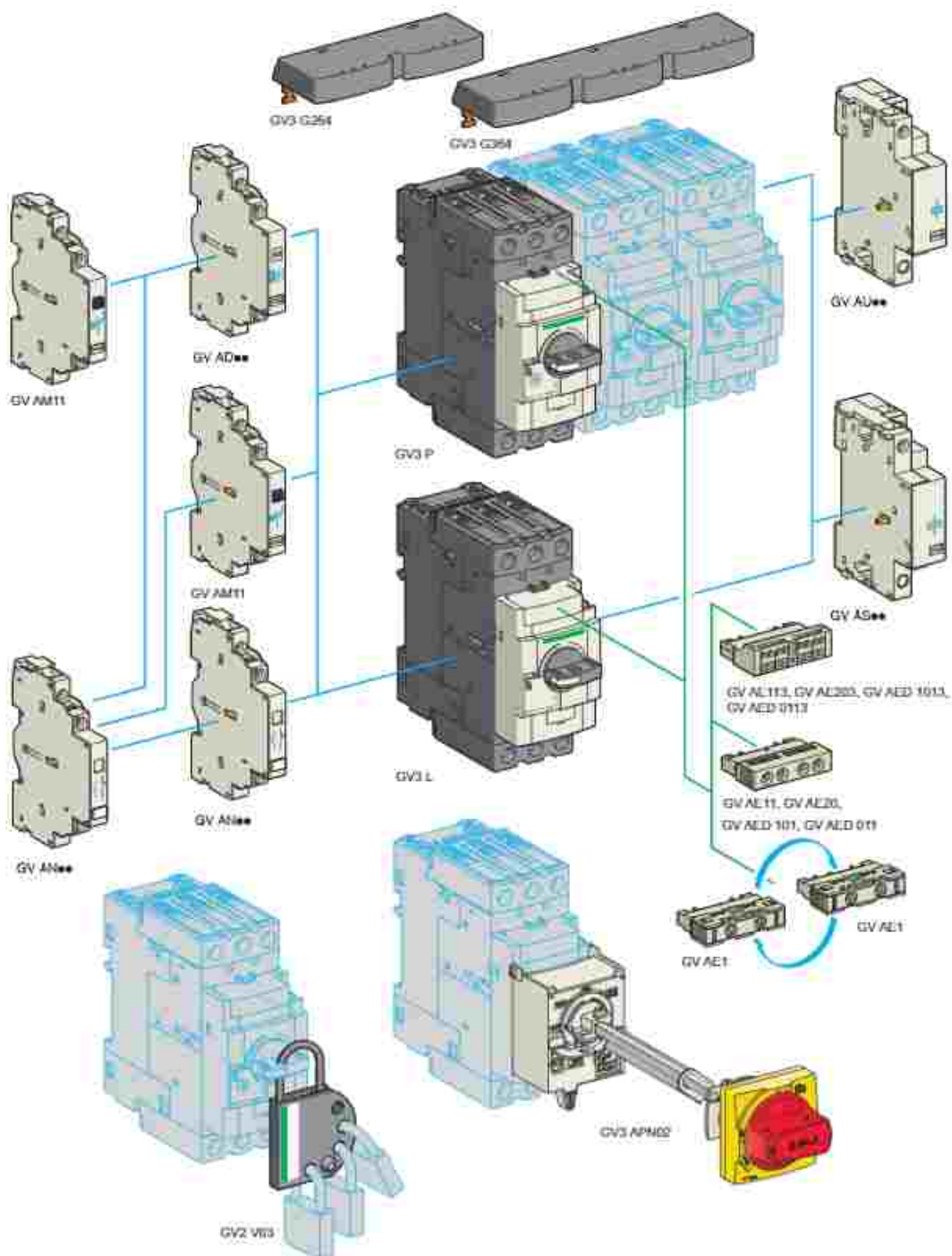
TeSys

Accessories compatibility

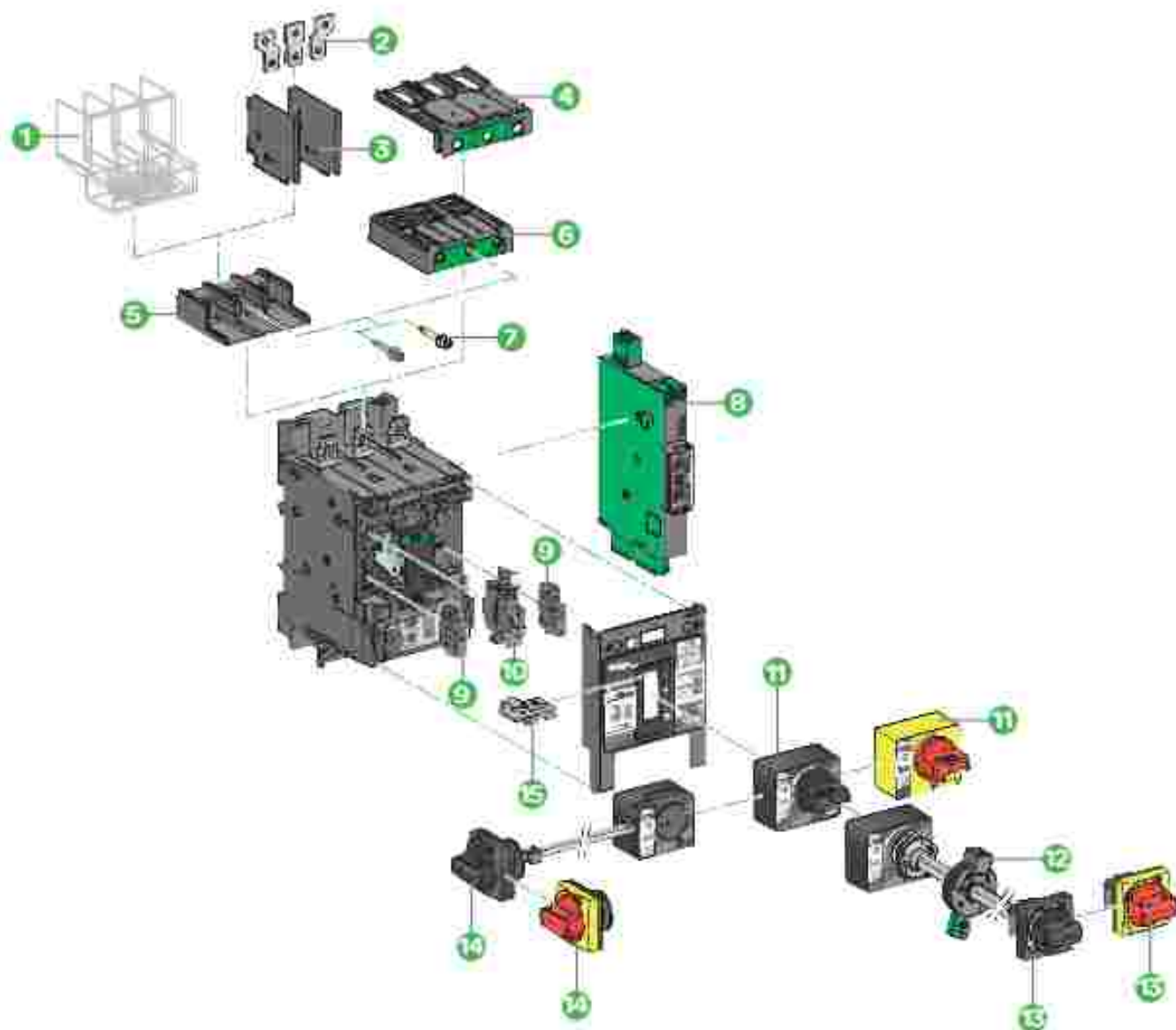


TeSys

Accessories compatibility



TeSys GV4 Overview



- ① Long terminal shield LA306590
- ② Terminal spreaders LV426940
- ③ Interphase barriers LV426940
- ④ Large spacing connector for E-wit link connector GV4G66
- ⑤ Crimp lug connector GV4L165
- ⑥ E-wit link connector LA306595
- ⑦ Torque limiting breakaway bits LV426930
- ⑧ SDx alarming/fault differentiation module GV4AIW1111 (only with GV4PEM)
- ⑨ Auxiliary contact block for OF or SD function GV4AF11
- ⑩ -MN under-voltage release GV4U1pp
-MX shunt trip GV4ASpp
- ⑪ Direct mounting block 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 73371

TeSys Control

TeSys Switches

Vario Switch Disconnectors

[Ith]	Rated Operational Power (AC-22)*	Poles	Description	Reference	Unit MRP [€]
10	4 kW	3P	VCF002	KCF002	3875
16	5.5 kW	3P	VCF010	KCF010	4215
20	7.5 kW	3P	VCF020	KCF020	4625
25	11 kW	3P	VCF101	KCF101	5530
32	15 kW	3P	VCF202	KCF202	6415
40	22 kW	3P	VCF301	KCF301	9065
63	30 kW	3P	VCF401	KCF401	11660

* Rated Power at 415V
† Ith in enclosure

For Switch Type (Amps)	Mounting Arrangement	Ingress	Reference	Unit MRP [€]
12 - 40	4 Screw Fixing	IP65	KCF102	1165
63 - 80	4 Screw Fixing	IP65	KCF202	1110
125 - 175	4 Screw Fixing	IP65	KCF302	4080

Accessories

Description	For Use with Switch Bodies	Rating in A	Pole Composition	Earth Contact	Auxiliary Contacts	Reference	Unit MRP [€]
Vario Add-on Modules (1)							
Main Pole Module	V0/VCF02	12	1P	-	-	V02	115
	V0/VCF01	20	1P	-	-	V01	155
	V0/VCF0	25	1P	-	-	V00	125
	V1/VCF1	32	1P	-	-	V11	120
	V2/VCF2	40	1P	-	-	V22	120
	V3/VCF3	63	1P	-	-	V33	165
Neutral Pole Module (2)	V02 / VCF02 to V2 / VCF2	-	1N	-	-	V21	138
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	V22	165
	V5 / VCF5 to V6 / VCF6	-	1N	-	-	V23	200
Earthing Module	V02 / VCF02 to V2 / VCF2	-	-	-	-	V24	135
	V3 / VCF3 to V4 / VCF4	-	-	1	-	V25	161
Auxiliary Contact Block Module	V5 / VCF5 to V6 / VCF6	-	-	1	-	V26	250
	V02 / VCF02 to V6 / VCF6	-	-	-	NO + NBC	V27	142
	V2 / VCF02 to V6 / VCF6	-	-	-	2NO	V28	

(1) For mounting option of modules, please refer to the technical catalogues.
(2) With early make and late break contacts.

Description	For Use With	Reference	Unit MRP [€]
Components for Door Interlocking			
Shall extension - for Mini VARI0 and VARI0 - V02..V0	V02..V0	V21 / V20	130 / 1615
Shall extension - for Mini VARI0 and VARI0 - V3..V4..V5..V6	V3..V4..V5..V6	V23 / V21	180 / 180
Door interlock plate	V21 / V20	K23 / K24	87 / 89
Input Terminal Protection Shrouds			
Terminal Shrouds	V02 - V2	V25	40
	V3 - V4	V26	40
Terminal Shrouds	V5 - V6	V29	45
	V02 - V6	V27 / V30	40 / 61
		V28	40
		V29	55

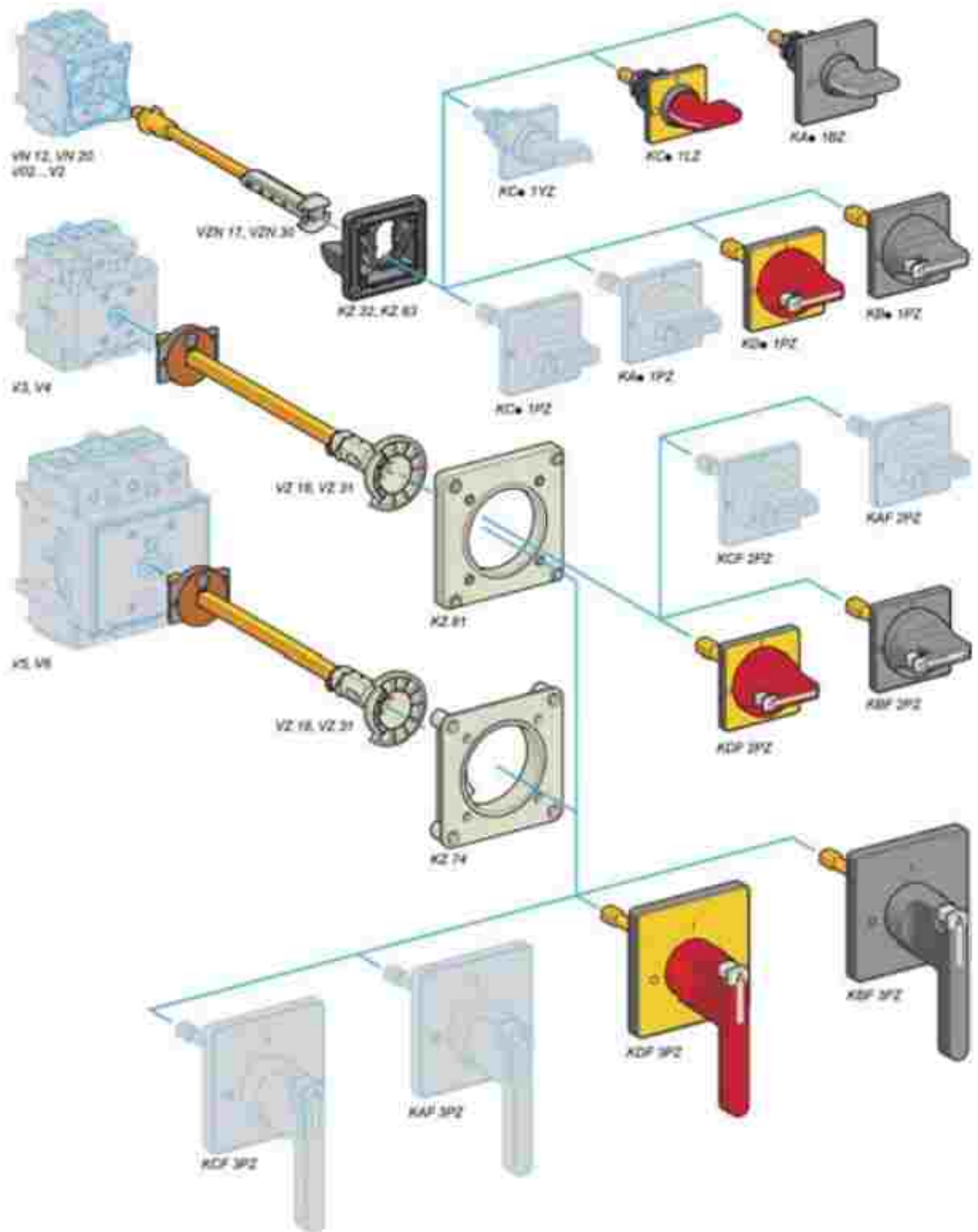
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

€ MRP (STOCK ITEMS)

W.E.F. January 30th, 2023

TeSys Control

Accessories for Switches





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

TeSys island

Unique features

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

Benefits

Why should you choose TeSys island?

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



For more information
on TeSys island
Digital Load
Management System

TeSys Active

TeSys island

Enable smarter design and engineering

Efficient

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

Enable new business models

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

A data provider

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

Improved security

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

Technical specifications

- System consists of DOI: Starters & Input / Output modules
- System manages motors and other electrical loads up to 80A/37kW/50hp
- Up to 20 modules / 1 meter of 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 TÜV certified (Stop 0 and 1 with wiring categories 1 to 2, suitable for PL e,d (Performance Level) and SIL level 2)
- Open connectivity thanks to Ethernet IP and Modbus TCP fieldbuses

TeSys Active

TeSys island

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

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

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

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

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

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



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

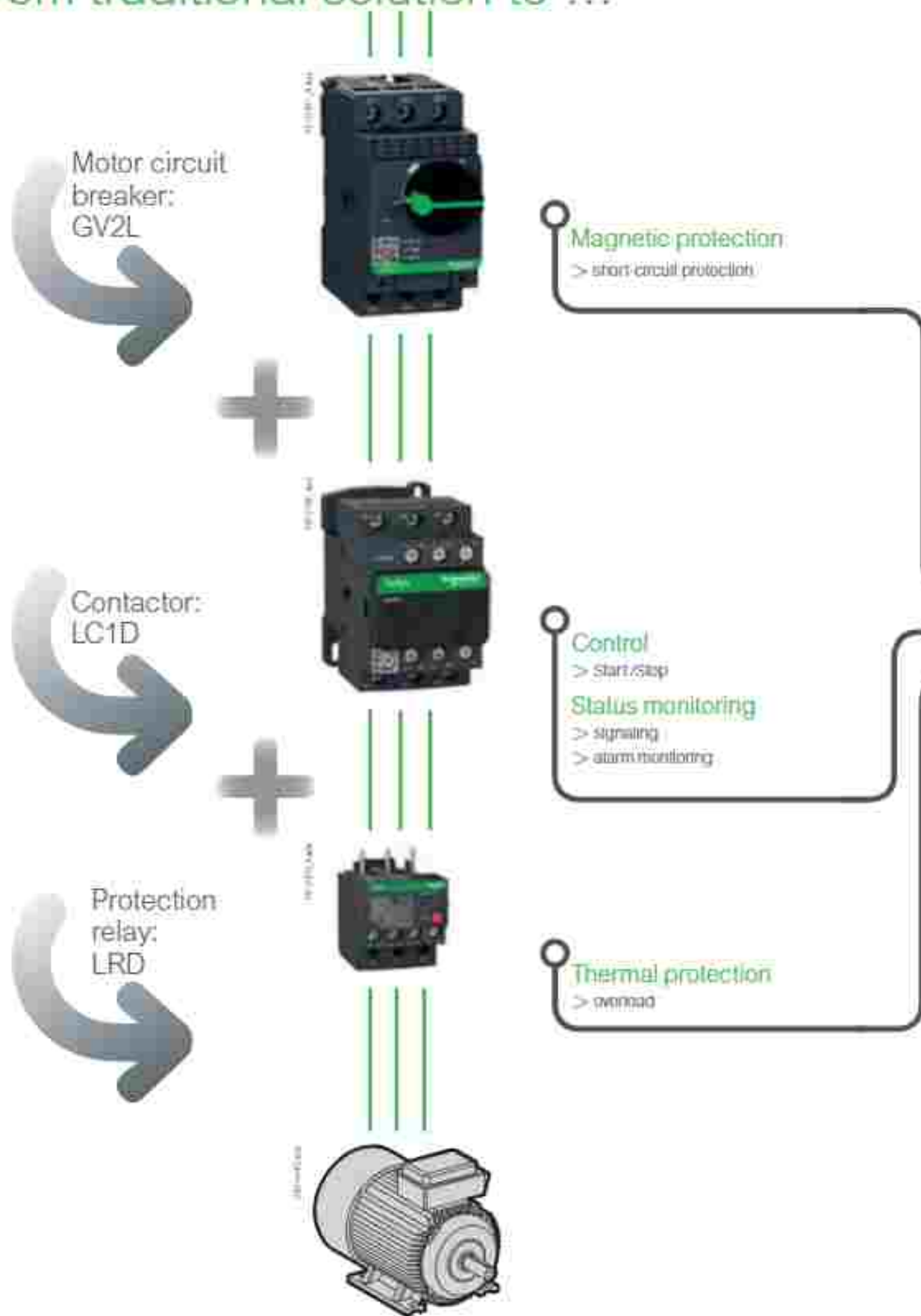
Designation	Product	Commercial Reference
TeSys island components:		
Standard Starter:	9A (AC-3)	1PRST009
	25A (AC-3)	1PRST025
	38A (AC-3)	1PRST038
	65A (AC-3)	1PRST065
	65A (AC-3) - 80A (AC-1)	1PRST080
SIL Starter:	9A (AC-3)	1PRSS009
	25A (AC-3)	1PRSS025
	38A (AC-3)	1PRSS038
	65A (AC-3)	1PRSS065
	65A (AC-3) - 80A (AC-1)	1PRSS080
Power interface module:	9A (AC-3)	1PRM009
	38A (AC-3)	1PRM038
	80A (AC-3)	1PRM080
Voltage interface module:		1PRVM001
SIL interface module:		1PRISM001
Digital I/O module:	(4 input - 2 output)	1PRIX040
Analog I/O module:	(2 input - 1 output)	1PRAN0X1
Bus Coupler:	EtherNet/IP - Modbus TCP	1PRBC1IP
	PROFINET	1PRBC1FN
	PROFIBUS	1PRBC1FB
Assembly and Wiring Kits:		
Kit for reversing starter application:	for 9, 25, 38A (size 1 and 2) starters	1ADM01
	for 65, 80A (size 3) starters	1AD003
Jumper bar 3 pole for Star-Delta application:	for 9, 25, 38A (size 1 and 2) starters	1AD005
	for 65, 80A (size 3) starters, a hazard sticker is provided	1AD005S

TeSys Control

Ultra motor starters

Introduction

From traditional solution to ...



TeSys Control

Ultra motor starters

Introduction

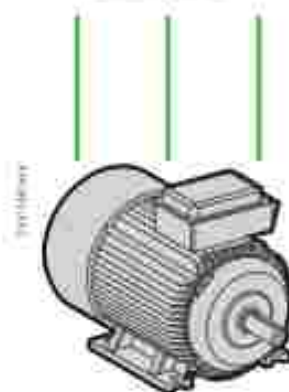
...Ultra motor starter



Ultra motor starter

> All basic or advanced protection and control functions in one block and more...

- > Overload indication and alarm
- > Status report, remote control via communication bus



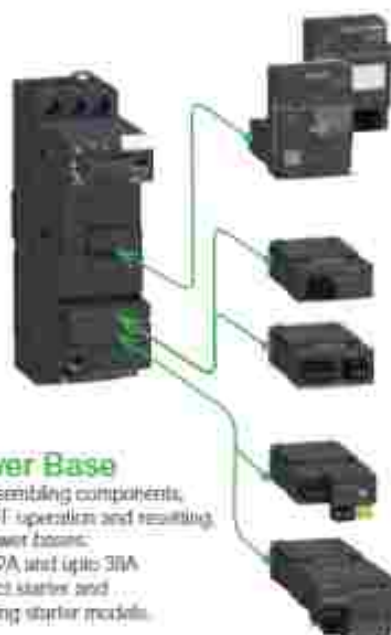
✓ **Ultra motor starters** can be used in **80 %** of motor protection and control applications.

TeSys Control

Ultra motor starters



- Total Coordinated Starter – 3 functions in a single device
- Compact Starter, DOL / RDOL upto 18.5kW (38A, AC-3) in 45mm width
- Direct connectivity to Modbus / Profibus / CANopen / DeviceNet
- Higher switching life - 15Million operations, 2Million AC-43 electrical life
- Breaking capacity upto 130kA



Power Base

For assembling components, ON/OFF operation and resulting
 - 3 power bases:
 upto 17A and upto 38A
 - Direct starter and reversing starter models.

Control Unit

Performs all the electrical protection functions to cover most applications from 7 to 38A.

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

4 simple function modules

Thermal overload alarm indication of motor load
 Thermal overload signalling and manual reset
 Thermal overload signalling and automatic or remote reset.

4 communication modules

Profibus DP
 CANopen
 DeviceNet
 Modbus.

40%

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

60%

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

Quick Selection

Select 1 + Select 1 Optional or Optional or Optional

Power Base	Control Unit	Communication Modules	Function Modules	Auxiliary Contacts	Accessories
<p>Non Reversing</p> <p>17A 170 170</p> <ul style="list-style-type: none"> 0.38A with thermal 110 0.38A with thermal 120 0.38A with thermal 130 0.38A with thermal 140 0.38A with thermal 150 0.38A with thermal 160 <p>Reversing</p> <p>17A 170 170</p> <ul style="list-style-type: none"> 0.38A with thermal 110 0.38A with thermal 120 0.38A with thermal 130 0.38A with thermal 140 0.38A with thermal 150 0.38A with thermal 160 0.38A with thermal 170 0.38A with thermal 180 0.38A with thermal 190 0.38A with thermal 200 0.38A with thermal 210 0.38A with thermal 220 0.38A with thermal 230 0.38A with thermal 240 0.38A with thermal 250 0.38A with thermal 260 0.38A with thermal 270 0.38A with thermal 280 0.38A with thermal 290 0.38A with thermal 300 0.38A with thermal 310 0.38A with thermal 320 0.38A with thermal 330 0.38A with thermal 340 0.38A with thermal 350 0.38A with thermal 360 0.38A with thermal 370 0.38A with thermal 380 	<p>17A 170 170</p> <ul style="list-style-type: none"> Class 10, 30A 11 Class 10, 30A 12 Class 10, 30A 13 Class 10, 30A 14 Class 10, 30A 15 Class 10, 30A 16 Class 10, 30A 17 Class 10, 30A 18 Class 10, 30A 19 Class 10, 30A 20 Class 10, 30A 21 Class 10, 30A 22 Class 10, 30A 23 Class 10, 30A 24 Class 10, 30A 25 Class 10, 30A 26 Class 10, 30A 27 Class 10, 30A 28 Class 10, 30A 29 Class 10, 30A 30 Class 10, 30A 31 Class 10, 30A 32 Class 10, 30A 33 Class 10, 30A 34 Class 10, 30A 35 Class 10, 30A 36 Class 10, 30A 37 Class 10, 30A 38 Class 10, 30A 39 Class 10, 30A 40 Class 10, 30A 41 Class 10, 30A 42 Class 10, 30A 43 Class 10, 30A 44 Class 10, 30A 45 Class 10, 30A 46 Class 10, 30A 47 Class 10, 30A 48 Class 10, 30A 49 Class 10, 30A 50 Class 10, 30A 51 Class 10, 30A 52 Class 10, 30A 53 Class 10, 30A 54 Class 10, 30A 55 Class 10, 30A 56 Class 10, 30A 57 Class 10, 30A 58 Class 10, 30A 59 Class 10, 30A 60 Class 10, 30A 61 Class 10, 30A 62 Class 10, 30A 63 Class 10, 30A 64 Class 10, 30A 65 Class 10, 30A 66 Class 10, 30A 67 Class 10, 30A 68 Class 10, 30A 69 Class 10, 30A 70 Class 10, 30A 71 Class 10, 30A 72 Class 10, 30A 73 Class 10, 30A 74 Class 10, 30A 75 Class 10, 30A 76 Class 10, 30A 77 Class 10, 30A 78 Class 10, 30A 79 Class 10, 30A 80 Class 10, 30A 81 Class 10, 30A 82 Class 10, 30A 83 Class 10, 30A 84 Class 10, 30A 85 Class 10, 30A 86 Class 10, 30A 87 Class 10, 30A 88 Class 10, 30A 89 Class 10, 30A 90 Class 10, 30A 91 Class 10, 30A 92 Class 10, 30A 93 Class 10, 30A 94 Class 10, 30A 95 Class 10, 30A 96 Class 10, 30A 97 Class 10, 30A 98 Class 10, 30A 99 Class 10, 30A 100 	<p>17A 170 170</p> <ul style="list-style-type: none"> Modbus 110 Profibus DP 120 CANopen 130 DeviceNet 140 	<p>17A 170 170</p> <ul style="list-style-type: none"> Thermal overload alarm indication of motor load 110 Thermal overload signalling and manual reset 120 Thermal overload signalling and automatic or remote reset 130 	<p>17A 170 170</p> <ul style="list-style-type: none"> NO + NC 110 NO 120 NC 130 NO + NC 140 NO + NC 150 NO + NC 160 NO + NC 170 NO + NC 180 NO + NC 190 NO + NC 200 NO + NC 210 NO + NC 220 NO + NC 230 NO + NC 240 NO + NC 250 NO + NC 260 NO + NC 270 NO + NC 280 NO + NC 290 NO + NC 300 NO + NC 310 NO + NC 320 NO + NC 330 NO + NC 340 NO + NC 350 NO + NC 360 NO + NC 370 NO + NC 380 NO + NC 390 NO + NC 400 NO + NC 410 NO + NC 420 NO + NC 430 NO + NC 440 NO + NC 450 NO + NC 460 NO + NC 470 NO + NC 480 NO + NC 490 NO + NC 500 NO + NC 510 NO + NC 520 NO + NC 530 NO + NC 540 NO + NC 550 NO + NC 560 NO + NC 570 NO + NC 580 NO + NC 590 NO + NC 600 NO + NC 610 NO + NC 620 NO + NC 630 NO + NC 640 NO + NC 650 NO + NC 660 NO + NC 670 NO + NC 680 NO + NC 690 NO + NC 700 NO + NC 710 NO + NC 720 NO + NC 730 NO + NC 740 NO + NC 750 NO + NC 760 NO + NC 770 NO + NC 780 NO + NC 790 NO + NC 800 NO + NC 810 NO + NC 820 NO + NC 830 NO + NC 840 NO + NC 850 NO + NC 860 NO + NC 870 NO + NC 880 NO + NC 890 NO + NC 900 NO + NC 910 NO + NC 920 NO + NC 930 NO + NC 940 NO + NC 950 NO + NC 960 NO + NC 970 NO + NC 980 NO + NC 990 NO + NC 1000 	<p>17A 170 170</p> <ul style="list-style-type: none"> Terminal block 110 Terminal block 120 Terminal block 130 Terminal block 140 Terminal block 150 Terminal block 160 Terminal block 170 Terminal block 180 Terminal block 190 Terminal block 200 Terminal block 210 Terminal block 220 Terminal block 230 Terminal block 240 Terminal block 250 Terminal block 260 Terminal block 270 Terminal block 280 Terminal block 290 Terminal block 300 Terminal block 310 Terminal block 320 Terminal block 330 Terminal block 340 Terminal block 350 Terminal block 360 Terminal block 370 Terminal block 380 Terminal block 390 Terminal block 400 Terminal block 410 Terminal block 420 Terminal block 430 Terminal block 440 Terminal block 450 Terminal block 460 Terminal block 470 Terminal block 480 Terminal block 490 Terminal block 500 Terminal block 510 Terminal block 520 Terminal block 530 Terminal block 540 Terminal block 550 Terminal block 560 Terminal block 570 Terminal block 580 Terminal block 590 Terminal block 600 Terminal block 610 Terminal block 620 Terminal block 630 Terminal block 640 Terminal block 650 Terminal block 660 Terminal block 670 Terminal block 680 Terminal block 690 Terminal block 700 Terminal block 710 Terminal block 720 Terminal block 730 Terminal block 740 Terminal block 750 Terminal block 760 Terminal block 770 Terminal block 780 Terminal block 790 Terminal block 800 Terminal block 810 Terminal block 820 Terminal block 830 Terminal block 840 Terminal block 850 Terminal block 860 Terminal block 870 Terminal block 880 Terminal block 890 Terminal block 900 Terminal block 910 Terminal block 920 Terminal block 930 Terminal block 940 Terminal block 950 Terminal block 960 Terminal block 970 Terminal block 980 Terminal block 990 Terminal block 1000

*Suitable with 2W DC starter variant only
 Note: For prices please contact regional sales office or customer care centre

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



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



Discover
TeSys T



Tesys T Motor Management Systems

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

Tesys T Controller:

Intelligent motor controller for TTSP Motors with built in CT up to 100Amps with accurate monitoring and protection functions. 0/1, 0/3, 1/0/CT 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 / I/M control
- Predefined programs for DOL, RFO, Star delta, two speed starters

Communication:



Quick Selection


TeSys T Controller



Reference	Current (A)	Temperature
LTM R	100	1

CT Ratio	Current (A)	Temperature
0.5 - 0.5	10	
1.5 - 2.5	20	
5 - 10	50	

Reference	Communication
CAN Open	0
Devicenet	0
Ethernet IP	1
Modbus TCP/IP	1
Modbus	1
Profibus DP	1



TeSys T
Full and Flexible
Intelligent Motor
Management System

TeSys T Accessories

TeSys T Expansion Module**

Rated Voltage	Reference
24 V DC	1TM24000
110V AC	1TM2401M

**Dependent on Voltage & Power consumption & supply type

Operator Control Display

Description	Reference
Operator Control display with touch-screen for backup	LTM-OP

Connector for Expansion

Length (m)	Reference
0.5A	1TM20004*

*Screw terminal

Controller to Display Cable

Length (m)	Reference
1.5	1TM20010*
3.0	1TM20016*

Ground Fault CT's

Rated I _{sc} (A)	Rated I _{sc} (% In)	Reference
40	20	1TM2002*
80	40	1TM2003*
160	80	1TM2005*
250	125	1TM2006*
400	200	1TM2007*
630	315	1TM2008*

Current Transformers*

Rated I _{sc} (A)	Rated I _{sc} (% In)	Reference
100	5	1TM20005*
200	10	1TM20010*
400	20	1TM20020*
630	31	1TM20030*

Description	Quantity	Reference
Programming software (software)	1 Plug-in kit with PC	1TM20000
PC connecting cable	002 to 003 480 Connector	1TM20001M002P

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

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, $U_n = 400/415V, 50/60Hz$

Short Circuit Current (I_q) = 50kA

IEC No.	30 Motor power in kW	Current in A	Circuit Breaker	Setting range of thermal trips (A)	Contactors
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	2.8	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	GV2P11 or GV2ME11	6...10	LC1D09
13	4	8.5	GV2P11 or GV2ME11	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...26	LC1D25
18	15	29	GV2P32	25...40	LC1D32
19	18.5	35	GV2P40	30...40	LC1D32A
20	22	41	GV2P40	37...40	LC1D32A
21	30	55	GV2P63	48...63	LC1D32A
22	37	66	GV4PE/PEM10 ¹⁾	52...73	LC1D32
23	45	80	GV4PE/PEM115 ²⁾	65...115	LC1D315
24	55	97	GV4PE/PEM115 ²⁾	65...115	LC1D315
25	75	132	GV4P150 ²⁾	70...150	LC1D150
26	90	160	GV4P220 ²⁾	100...220	LC1D150
27	110	190	GV4P220 ²⁾	100...220	LC1D225
28	132	230	GV4P300 ²⁾	160...300	LC1D250
29	160	280	GV4P320 ²⁾	160...320	LC1D300
30	220	365	GV4P500 ²⁾	250...500	LC1D500
31	250	450	GV4P500 ²⁾	250...500	LC1Ca80

(1) The breaking performance of circuit breakers GV2.P can be increased by adding a current limiter (CV1.L3)

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

Circuit breaker type	GV4P150 ²⁾	GV4P220 ²⁾	GV4P320 ²⁾	GV4P500 ²⁾	GV4PE/PEM10 ¹⁾	GV4PE/PEM115 ²⁾
Breaking performance I_q (kA) at 400/415V	20	20	20	20	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

St. No.	3φ Motor power in kW	Current in Amperes	Circuit Breaker	Contactor	Overload relay	
					Type	Range (A)
1	0.06	0.2	GV2L03 or GV2LE03	LC1D09	LRD03	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 GV2LE05	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 - 5
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 - 15
15	7.5	16.5	GV2L20	LC1D25	LRD21	12 - 18
16	9	18.3	GV2L22	LC1D25	LRD22	16 - 24
17	11	22	GV2L22	LC1D25	LRD22	16 - 24
18	16	29	GV2L32	LC1D30A	LRD30	23 - 32
19	18.5	35	GV2L40	LC1D30A	LRD30	30 - 40
20	22	41	GV2L50	LC1D30A	LRD30	37 - 50
21	30	55	GV2L65	LC1D30A	LRD36	45 - 65
22	37	66	GV4LE130 ⁽¹⁾	LC1D30	LRD36	60 - 80
23	45	80	GV4LE115 ⁽¹⁾	LC1D115	LRD36/	60 - 100
24	55	97	GV4LE115 ⁽¹⁾	LC1D115	LRD36/	60 - 100
25	75	132	NSX100 ⁽¹⁾ MA ⁽¹⁾	LC1D110	LRD36/	90 - 110
26	90	160	NSX100 ⁽¹⁾ MA ⁽¹⁾	LC1D155	LRD225	57 - 225
27	110	195	NSX100 ⁽¹⁾ MA ⁽¹⁾	LC1G225	LRD225	57 - 225
28	130	230	NSX100 ⁽¹⁾ + Mic 1.3M ⁽¹⁾	LC1G265	LRD500	125 - 500
29	160	290	NSX100 ⁽¹⁾ + Mic 1.3M ⁽¹⁾	LC1G330	LRD500	125 - 500
30	200	360	NSX100 ⁽¹⁾ + Mic 1.3M ⁽¹⁾	LC1G400	LRD500	125 - 500
31	220	385	NSX100 ⁽¹⁾ + Mic 1.3M ⁽¹⁾	LC1G500	LRD500	125 - 500
32	250	430	NSX100 ⁽¹⁾ + Mic 1.3M ⁽¹⁾	LC1G500	LRD500	125 - 500

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

Circuit breaker type	NSX100 ⁽¹⁾ MA	NSX100 ⁽¹⁾ MA, NSX250 ⁽¹⁾ MA	NSX100 ⁽¹⁾ , NSX250 ⁽¹⁾	GV4LE130 ⁽¹⁾	GV4LE115 ⁽¹⁾
Breaking performance I _b (kA) at 400/415V	50	60	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, $U_n = 400/415V$, 50/60Hz

Short Circuit Current (I_q) = 50kA

Sc No.	3φ Motor power in kW	Line current in Amperes	Phase current in Amperes	Circuit Breaker	Main/Delta Contactor	Star Contactor	Overload Relay	
							Type	Range (A)
1	5.5	11.9	6.6	GV2LE	LC1D25	LC1D09	LRD17	5.5 .. 8
2	7.5	15.6	8.9	GV225	LC1D25	LC1D09	LRD14	7 .. 10
3	9	18.1	10.5	GV2127	LC1D25	LC1D09	LRD16	9 .. 13
4	11	22	12.7	GV2127	LC1D25	LC1D09	LRD21	12 .. 16
5	15	29	16.7	GV3137	LC1D40A	LC1D09	LRD316	12 .. 16
6	18.5	36	20.2	GV3147	LC1E50A	LC1D09	LRD325	17 .. 25
7	22	44	23.7	GV3150	LC1E50A	LC1D16	LRD337	21 .. 37
8	30	59	31.8	GV3165	LC1E65A	LC1D16	LRD340	30 .. 40
9	37	66	38.1	GV3173	LC1E80A	LC1D37	LRD50	37 .. 50
10	47	86	38.1	GV4LE180**	LC1E80A	LC1D37	LRD367	37 .. 50
11	45	89	46.2	GV4LE115**	LC1D115	LC1D65A	LRD367	37 .. 50
12	55	97	56	GV4LE115**	LC1D115	LC1D65A	LRD368	48 .. 65
13	75	137	76.2	NSX100**MA150**	LC1D150	LC1D65A	LRD5367	60 .. 100
14	90	160	92.4	NSX250**MA220**	LC1D115	LC1D65	LRD115	28 .. 115
15	110	195	112.6	NSX250**MA220**	LC1D150	LC1D80	LRD225	57 .. 225
16	132	230	132.8	NSX100**Mi 1.3M*	LC1D150	LC1D80	LRD275	67 .. 275
17	160	280	161.7	NSX100**Mi 1.3M*	LC1D185	LC1D115	LRD275	57 .. 275
18	200	340	200.1	NSX250**Mi 1.3M*	LC1D225	LC1D160	LRD275	57 .. 275
19	220	388	224	NSX250**Mi 1.3M*	LC1D25	LC1D150	LRD500	175 .. 500
20	250	430	248.3	NSX100**Mi 1.3M*	LC1D25	LC1D150	LRD500	175 .. 500

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

Circuit Breaker type	NSX100**MA	NSX100**MA, NSX250**MA	NSX400*, NSX250*	GV4LE180*	GV4LE115*
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 team.

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.	3Ø Motor power in kW	Line current in Amperes	Phase current in Amperes	I_q (kA)	Circuit Breaker	Main/Delta Contactor	Star Contactor
1	5.5	11.8	6.6	50	GV2P16	IC102h	IC100B
2	7.5	15.5	8.9	50	GV2P20	IC102h	IC100B
3	9	18.1	10.5	50	GV2P21	IC102h	IC100B
4	11	22	12.7	50	GV2P22	IC102h	IC100B
5	15	29	16.7	50	GV2P32	IC104A	IC100A
6	18.5	35	20.2	50	GV2P40	IC105A	IC100A
7	22	41	23.7	50	GV2P50	IC105A	IC101B
8	30	55	31.8	50	GV2P65	IC106A	IC102
9	37	65	38.1	50	GV2P73	IC108A	IC102
10	37	65	38.1	70	GV2PE/PEM15**	IC108A	IC102
11	45	80	46.2	70	GV2PE/PEM15**	IC107h	IC105A
12	55	97	56.0	70	GV2PE/PEM15**	IC107h	IC105A
13	75	132	76.2	70	GV2P150**	IC10150	IC10150
14	90	160	92.4	70	GV2P220**	IC1015	IC106
15	110	195	112.6	70	GV2P220**	IC10150	IC1080
16	132	230	132.8	70	GV2P300**	IC10150	IC1095
17	160	280	161.7	70	GV2P320**	IC10180	IC10115
18	220	380	224.0	70	GV2P500**	IC10280	IC10150
19	250	430	250.2	70	GV2P500**	IC10280	IC10150

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

Circuit breaker type	GV2P150*	GV2P220*	GV2P320*	GV2P500*	GV2PE/PEM15*	GV2PE/PEM15*
Breaking performance I_q (kA) at 400/415V	70	70	70	70	50	50
Breaking performance code	II	II	II	II	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

Sc. No.	Motor power in kW	Circuit Breaker	Contactors	Thermal Overload Relay
1	0.18	GVMLA1E02*	LC1D09	LRE05
2	0.25	GVMLA1E02*	LC1D09	LRE05
3	0.37	GVMLA1E02*	LC1D09	LRE06
4	0.55	GVMLA1E02*	LC1D09	LRE07
5	0.75	GVMLA1E02*	LC1D09	LRE07
6	1.1	GVMLA1E03*	LC1D25	LRE08
7	1.5	GVMLA1E07*	LC1D22+GVML3	LRE08
8	2.2	GVMLA1E07*	LC1D22+GVML3	LRE10
9	3	GVMLA1E07*	LC1D30A	LRE12
10	4	GVMLA1E12*	LC1E05A	LRE14
11	5.5	GVMLA1E12*	LC1E05A	LRE17
12	7.5	GVMLA1E25*	LC1E05A	LRE18
13	10	GVMLA1E25*	LC1E05A	LRE25
14	11	GVMLA1E25*	LC1E05A	LRE25
15	15	GVMLA1E50*	LC1E05A	LRE33
16	18.5	GVMLA1E50*	LC1E05A	LRE40
17	22	GVMLA1E50*	LC1E05A	LRE50
18	30	GVMLA1E80*	LC1E05A	LRE55

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

Performance Iq (kA) at 415V

Circuit breaker	Breaking performance code		
	B	N	S
GVMLA1E12/17		50	100
GVMLA1E25-115	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 _n (A)	I _n PL72 (A)	Circuit Breaker	Main/Delta Contactor	Star Contactor	Thermal Overload Relay	
1	0.25	0.85	0.5	GMLE102*	LC1009	LC1009	LR005	0.53..1
2	0.37	1	0.6	GMLE102*	LC1009	LC1009	LR006	1..1.7
3	0.55	1.6	0.9	GMLE102*	LC1009	LC1009	LR006	1..1.7
4	0.75	1.9	1.1	GMLE102*	LC1009	LC1009	LR007	1.6..2.5
5	1.1	2.7	1.6	GMLE102*	LC1025	LC1009	LR008	2.5..4
6	1.5	3.6	2.1	GMLE102*	LC1009+GM1.3	LC1009	LR008	2.5..4
7	2.2	4.9	2.8	GMLE102*	LC1032+GM1.3	LC1009	LR010	4..6
8	3	6.5	3.8	GMLE102*	LC1010A	LC1009	LR012	5.5..8
9	4	6.5	4.9	GMLE112*	LC1035A	LC1009	LR014	7..10
10	5.5	11.5	6.6	GMLE112*	LC1035A	LC1009	LR013	6..13
11	7.5	15.8	8.9	GMLE125*	LC1035A	LC1009	LR018	12..18
12	9	18.5	10.5	GMLE125*	LC1035A	LC1009	LR025	18..24
13	11	22	12.7	GMLE125*	LC1035A	LC1009	LR025	18..24
14	15	29	16.7	GMLE150*	LC1035A	LC1018	LR032	23..32
15	18.5	35	20.2	GMLE150*	LC1035A	LC1018	LR040	30..40
16	22	41	23.7	GMLE150*	LC1035A	LC1018	LR040	37..50
17	30	55	31.8	GMLE180*	LC1035A	LC1025	LR065	48..65
18	37	66	38.1	GMLE180(T)	LC1010A	LC1032	LR025z	37..50

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

Performance I_q (kA) at 415V

Circuit breaker	Breaking performance code		
	B	M	S
GMLE102/12		50	100
GMLE125/115	25	50	100

Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

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

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

Rated operational voltage, $U_e = 400/415V$, 50/60Hz

Short Circuit Current (I_q) = 50kA

45 to 250 kW at 400/415V: type 2 coordination (with ref. GV4, GV5, GV6 circuit breakers)							
Ec No.	Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 ¹			Circuit breaker			Contactor
	400/415V			Reference ⁽¹⁾	I _n Setting	I _{rm}	Reference
	P	I _e	I _q (max)				
	kW	A	kA	A	A		
1	45	70	100	GV6/GV6F/GV6REM11 ¹ ●	66	1118	LC1G115
2	55	97	100	GV6P11 ¹ ●	100	1300	LC1G115
3	55	97	70	GV5P15 ¹ ●	100	1300	LC1G115
4	75	132	70	GV5P15 ¹ ●	140	1620	LC1G150
5	90	150	70	GV5P20 ¹ ●	170	2210	LC1G185
6	110	195	70	GV5P22 ¹ ●	200	2620	LC1G225
7	110	195	70	GV6P30 ¹ ●	200	2660	LC1G255
8	132	200	70	GV6P30 ¹ ●	240	3120	LC1G255
9	160	260	70	GV6P30 ¹ ●	300	3900	LC1G330
10	200	350	70	GV6P50 ¹ ●	350	4940	LC1G400
11	220	380	70	GV6P50 ¹ ●	400	5200	LC1G500
12	250	430	70	GV6P50 ¹ ●	480	5700	LC1G500

(1) Reference to be completed by replacing the ● with the breaking performance code:

Breaking performance I_q (kA)

Code	GV6P11●/GV6P15●/GV6P20●/GV6P30●/GV6P50●			GV5P150●/220●/GV6P320●/500●	
	B	N	S	F	H
400/415V	25	50	100	30	70

Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

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

Reliable
switching for
IE2/IE3/IE4
motors



IE2



IE3



IE4

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

45 to 335 kW at 400/415V: type 2 coordination (with ref GV4, or NSX circuit breakers)

Sr. No.	Standard power ratings of 3-phase motors 50/60 Hz in category AC-3a			Circuit breaker		Contactor		Contactor	
	400/415V			Reference ⁽¹⁾	I _{int} A	Reference	Reference	I _n Setting A	
	P kW	I _e A	I _q (max) kA						
1	45	80	100	GV4.2V4LE115	1700	LC1G115	LR9C115	80	
2	55	94	100	GV4.2XV4LE115	1100	LC1G115	LR9C225	80	
3	65	90	130	NSX100	1200	LC1G115	LR9C115	87	
4	55	94	130	NSX160	1500	LC1G115	LR9C225	97	
5	75	132	130	NSX160	1800	LC1G150	LR9C225	132	
6	90	160	130	NSX250	2500	LC1G150	LR9C225	160	
7	110	195	130	NSX250	3800	LC1G225	LR9C225	195	
8	110	195	130	NSX400	3500	LC1G225	LR9C500	195	
9	132	230	130	NSX400	3500	LC1G265	LR9C500	230	
10	160	280	130	NSX400	3800	LC1G330	LR9C500	280	
11	200	350	130	NSX630	5500	LC1G400	LR9C500	350	
12	220	388	130	NSX630	5800	LC1G400	LR9C500	388	
13	250	430	130	NSX630	6000	LC1G500	LR9C500	430	
14	300	500	130	NS800	8800	LC1G630	LR9C630	460	
15	335	575	130	NS800	9600	LC1G630	LR9G630	N/A	

(1) Reference to be completed by replacing the ● with the breaking performance code:

Breaking performance I_q (kA)

Code	GV4LE115		NSX100/ NSX160/ NSX250/ NSX400/ NSX630					NS800		
	B	N	S	F	N	H	R	N	H	L
400/415V	25	50	100	30	50	70	200	50	70	110

Magnetic circuit breakers + Contactor + TeSys.T + current transformers

90 to 250 kW at 400/415V: type 2 coordination

Sr. No.	Standard power ratings of 3-phase motors 50/60 Hz in category AC-3a			Circuit breaker		Contactor		TeSys.T Motor management controller		Current transformers
	400/415V			Reference ⁽¹⁾	Rating I _{int} A	Reference	Reference ⁽¹⁾	I _n Setting A	Reference	
	P kW	I _e A	I _q (max) kA							
1	90	160	130	NSX250	2100	LC1G185	LTMR08	160	130C12001	
2	110	195	130	NSX250	2600	LC1G225	LTMR08	195	130C12001	
3	132	230	130	NSX400	3700	LC1G265	LTMR08	230	130C14001	
4	150	280	130	NSX400	3800	LC1G330	LTMR08	280	130C14001	
5	200	350	130	NSX630	5200	LC1G400	LTMR08	350	130C14001	
6	220	388	130	NSX630	5500	LC1G500	LTMR08	388	130C14001	
7	250	430	130	NSX630	6000	LC1G500	LTMR08	430	130C18001	

(1) Reference to be completed by replacing the ● with the breaking performance code:

Breaking performance I_q (kA)

Code	NSX250/ NSX400/ NSX630			
	F	N	H	R
400/415V	30	50	70	200

(2) Please refer to TeSys Catalogue to select the complete reference for TeSys.T motor management controller

Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

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

Reliable switching for IE2/IE3/IE4 motors



IE2



IE3



IE4

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

Contactor: **Maximum operating rate:** 30 starts/hour - **Maximum starting time:** 30 seconds.
The coordination table is for normal starting conditions (Class 10a/20a). For other heavy starting applications with long start times, please contact technical support.
IE1/FIMMWE timer to be used for Star-Delta starter application.

90 to 250 kW at 400/415V: type 2 coordination

Sr. No.	Standard power ratings of 3-phase motors 50/60 Hz in category AC-3			Circuit breaker			Contactor Line Delta	Contactor Star
	400/415V			Reference ⁽¹⁾	I_r Setting	I_{tr}	Reference	
	P kW	I_n A	I_q (max) kA					
1	90	160	70	GV6P220	170	1300	LC1G11a	LC1D6a
2	110	195	70	GV6P230	200	1600	LC1G15a	LC1D8a
3	110	195	70	GV6P220	200	1600	LC1G15a	LC1D8a
4	132	230	70	GV6P320	240	1900	LC1G15a	LC1D8a
5	160	280	70	GV6P320	300	2400	LC1G18a	LC1G11a
6	200	360	70	GV6P500	380	3040	LC1G22a	LC1G11a
7	220	380	70	GV6P500	400	3200	LC1G26a	LC1G15a
8	250	430	70	GV6P500	440	3600	LC1G26a	LC1G15a

(1) Reference to be completed by replacing the ● with the breaking performance code.

Breaking performance I_q (kA)

Code	GV6P220 ● GV6P320 ● GV6P500 ●	
	F	H
400/415V	36	70

90 to 450 kW at 400/415V: type 2 coordination

Sr. No.	Standard power ratings of 3-phase motors 50/60 Hz in category AC-3			Circuit breaker			Contactor Line Delta	Contactor Star
	400/415V			Reference ⁽¹⁾	I_r Setting	I_{tr}	Reference	
	P kW	I_n A	I_q (max) kA					
1	90	160	130	NSX250 ● + Micrologic 2.2M	170	1300	LC1G11a	LC1D6a
2	110	195	130	NSX250 ● + Micrologic 2.2M	200	1600	LC1G15a	LC1D8a
3	110	195	130	NSX400 ● + Micrologic 2.3M	200	1600	LC1G15a	LC1D8a
4	132	230	130	NSX400 ● + Micrologic 2.3M	240	1900	LC1G15a	LC1D8a
5	160	280	130	NSX400 ● + Micrologic 2.3M	300	2400	LC1G18a	LC1G11a
6	200	360	130	NSX630 ● + Micrologic 2.3M	380	3040	LC1G22a	LC1G11a
7	220	380	130	NSX630 ● + Micrologic 2.3M	400	3200	LC1G26a	LC1G15a
8	250	430	130	NSX630 ● + Micrologic 2.3M	440	3600	LC1G26a	LC1G15a
9	300	480	130	NS800 ● + Micrologic 5	480	3840	LC1G33a	LC1G18a
10	325	525	130	NS800 ● + Micrologic 5	640	5120	LC1G400	LC1G22a
11	355	610	130	NS800 ● + Micrologic 5	640	5120	LC1G400	LC1G22a
12	400	690	130	NS800 ● + Micrologic 5	720	5760	LC1G500	LC1G26a
13	450	770	130	NS1000 ● + Micrologic 5	784	6272	LC1G500	LC1G300

(1) Reference to be completed by replacing the ● with the breaking performance code.

Breaking performance I_q (kA)

Code	NSX250 ● NSX400 ● NSX630 ●				NS800 ● NS1000 ●		
	F	M	H	R	M	H	L
400/415V	36	60	70	200	60	70	100

Type 2 Co-ordination chart with TeSys range (With TeSys G Contactors and Relays)

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

Reliable
switching for
IE2/IE3/IE4
motors



IE2



IE3



IE4

Contactor: Maximum operating rate: 30 starts/hour - Maximum starting time: 30 seconds.
The coordination table is for normal starting conditions (Class 10v/20v). For other heavy starting applications with long start times, please contact technical support.
IE3/4 RMMVs (motor) to be used for Star Delta starter application.

90 to 450 kW at 400/415V: type 2 coordination

Sr. No.	Standard power ratings of 3-phase motors 50/60 Hz in category AC-3			Circuit breaker		Contactor Linear Delta	Contactor Star	Thermal overload relay	
	400/415V			Reference ⁽¹⁾	I _{cn}	Reference	Reference	Reference	Setting range
	P kW	I _n A	I _q (max) kA						
1	90	160	130	NS250● + MA	1900	LC1D11s	LC1DBi	LROG11s	92
2	110	195	130	NS250● + MA	1900	LC1D150	LC1DBi	LROG22s	113
3	110	195	130	NSX400● + Micrologic 1.0M	1920	LC1G1s0	LC1DBi	LROG22s	113
4	130	235	130	NSX400● + Micrologic 1.0M	1920	LC1G1s0	LC1DBi	LROG22s	123
5	160	280	130	NSX400● + Micrologic 1.0M	2560	LC1G18s	LC1G11s	LROG22s	162
6	200	360	130	NSX630● + Micrologic 1.0M	3000	LC1G22s	LC1G150	LROG22s	202
7	220	380	130	NSX630● + Micrologic 1.0M	3400	LC1G26s	LC1G150	LROG500	219
8	250	430	130	NSX630● + Micrologic 1.0M	3400	LC1G26s	LC1G150	LROG500	248
9	300	460	130	NS800● + Micrologic 5	4000	LC1G370	LC1G18s	LROG500	268
10	335	575	130	NS800● + Micrologic 5	4880	LC1G400	LC1G22s	LROG500	332
11	355	610	130	NS800● + Micrologic 5	5600	LC1G400	LC1G22s	LROG500	342
12	400	627	130	NS800● + Micrologic 5	5600	LC1G400	LC1G22s	LROG500	362
13	450	675	130	NS800● + Micrologic 5	6400	LC1G500	LC1G26s	LROG500	411

(1) Reference to be completed by replacing the ● with the breaking performance code.

Breaking performance I_q (kA)

Code	NSX250/ NSX400/ NSX630				NS800		
	F	N	H	R	N	H	L
400/415V	30	50	70	200	50	70	150

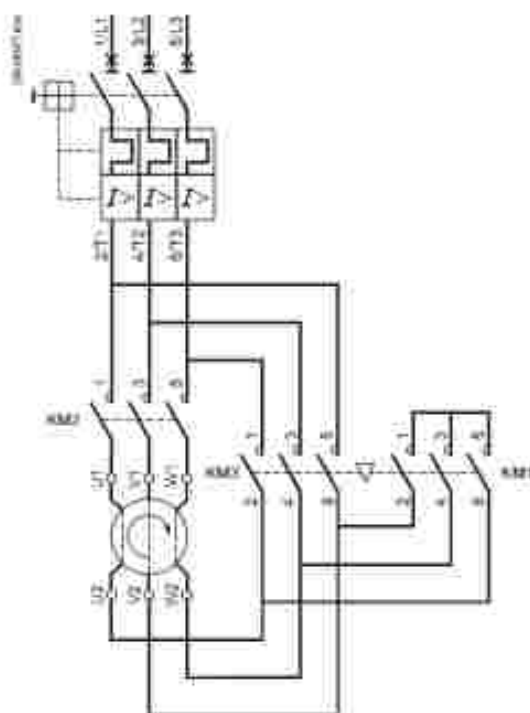
TeSys Giga series - Device selection

Coordination tables

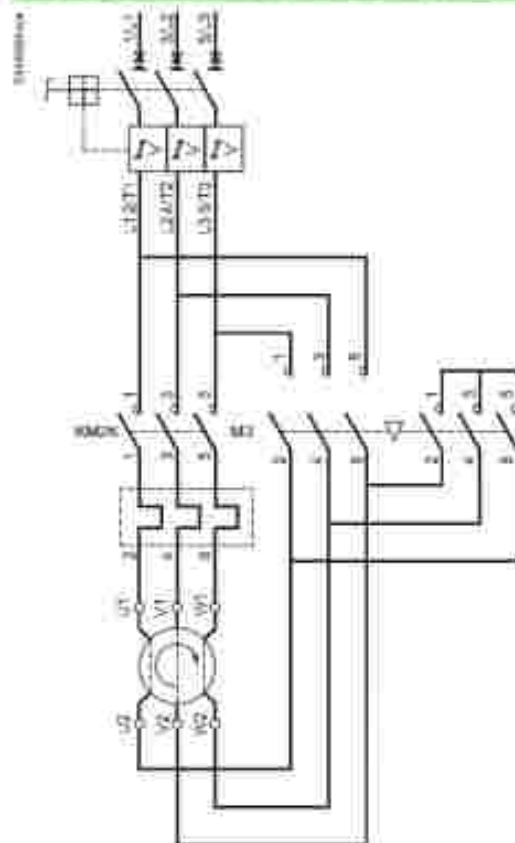
Star-Delta motor starter - Common circuit diagrams

RE-Delta motor 'Power' circuit diagram

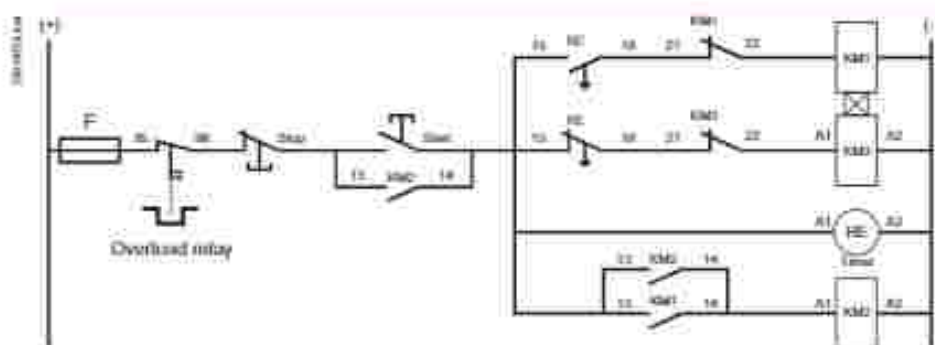
Thermal magnetic circuit breaker + contactors



Magnetic circuit breaker + contactors + overload relay



Star-Delta Motor 'Control' circuit diagram



Recommended timing relay (RE-1): Zero time RE, RE-T/RMW (12...240 V AC/DC 50/60 Hz - 6 A AC/DC contacts)

Type 2 Recommended Selection Charts for Motor Feeder with EasyPact

Notes:

- Selection is for Normal Starting time (Relay Trip classes 10A/10) applications.
- Overload relay type LRE and EOCR both can be used. However, while using EOCR, setting of Trip class in EOCR should be up to 10/10A only.
- For high inertia loads like Blowers, Pumps & HVFD 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 prescribed 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 11.4.5.
- For Star-Delta Motor feeders, in-side delta wiring is considered.
- For Star-Delta Motor feeders, proper Change-over time and Phase time must be ensured. Selected combination of Motor feeders components in this chart are valid only and only when used along with timer MSM06 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 / optimized selection for your motor feeders having motors with service factor more than 1, longer starting time applications, Closed transition size delta starters, other than 400/115V per phase voltages, starting currents / inrush currents lower than specified in IS 12615.

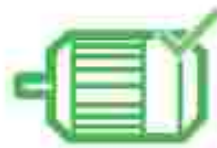
Selection Chart

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, $U_n = 400/415V$, 50/60Hz
Short Circuit Current $I_q = 50kA$

Type-Z Recommended Selection

Sc. No.	3φ Motors			I _q Current (kA)	Contactor	Overload Relay		Circuit Breaker	
	kW	HP	FLC - I _L (Amps)			Type	Range (A)	Type	Rating (A)
1	0.06	x	0.19	50	LC1E00	In built in Circuit Breaker		GZ1E00	0.16 - 0.25
2	0.09	x	0.26	50	LC1E00		GZ1E00	0.25 - 0.4	
3	0.12	0.16	0.51	50	LC1E00		GZ1E00	0.4 - 0.63	
4	0.18	0.25	0.6	50	LC1E00		GZ1E00	0.4 - 0.63	
5	0.25	0.33	0.8	50	LC1E00		GZ1E00	0.63 - 1	
6	0.37	0.5	1.4	50	LC1E00		GZ1E00	1 - 1.6	
7	0.55	0.75	1.7	50	LC1E00		GZ1E00	1.6 - 2.5	
8	0.75	1	2.2	60	LC1E00		GZ1E00	1.6 - 2.5	
9	1.1	1.5	2.9	50	LC1E00		GZ1E00	2.5 - 4	
10	1.3	1.75	3	50	LC1E00		GZ1E00	2.5 - 4	
11	1.5	2	3.8	50	LC1E00		GZ1E00	2.5 - 4	
12	2.2	3	6.1	50	LC1E10		GZ1E10	4 - 6.3	
13	3	4	6	50	LC1E10		GZ1E10	6 - 10	
14	3.7	5	8.1	50	LC1E25		GZ1E14	6 - 10	
15	4	5.5	6.3	50	LC1E25		GZ1E14	6 - 10	
16	5.5	7.5	11.4	50*	LC1E30		GZ1E16	9 - 14	
17	7.5	10	15.4	50*	LC1E30		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*	LC1E40		GZ1E30	24 - 32	
21	15	20	30	50*	LC1E40		GZ1E30	24 - 32	

* 50kA With current Limiter type CV11.3, 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, $U_n = 400/415V, 50/60Hz$
 Short Circuit Current $I_k = 50kA$ upto 4kw and above 4kw with 50kA
 With current limiter type GV13, 10kA without current limiter

Type-Z Recommended Selection

Sc. No.	P (kW)	I_n (A)	Circuit Breaker	Contactor	Thermal Overload relay	Range (A)
1	0.09	0.4	GZLE03	LC1E09	LRE03	0.25...0.40
2	0.18	0.63	GZLE04	LC1E09	LRE04	0.4...0.63
3	0.25	1	GZLE05	LC1E09	LRE05	0.63...1
4	0.37	1.4	GZLE06	LC1E09	LRE06	1...1.6
5	0.75	2.2	GZLE07	LC1E09	LRE07	1.6...2.5
6	1.5	3.8	GZLE08	LC1E09	LRE08	2.5...4
7	2.2	5.1	GZLE10	LC1E18	LRE10	4...6
8	4	8.5	GZLE14	LC1E25	LRE14	7...10
9	5.5	11.4	GZLE16	LC1E32	LRE16	9...13
10	7.5	15.4	GZLE20	LC1E32	LRE21	12...18
11	9.3	17.3	GZLE22	LC1E40	LRE22	15...24
12	11	22	GZLE22	LC1E40	LRE22	16...24
13	15	30	GZLE32	LC1E50	LRE32	23...32

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

Type-Z Recommended Selection

Sc. No.	P (kW)	I_n (A)	$I_{kT,72}$ (A)	Circuit Breaker	Star/Delta Contactor	Star Contactor	Thermal Overload Relay	
1	0.09	0.4	0.2	GZLE03	LC1E09	LC1E09	LRE02	0.16...0.25
2	0.18	0.63	0.4	GZLE04	LC1E09	LC1E09	LRE03	0.25...0.40
3	0.25	1	0.6	GZLE05	LC1E09	LC1E09	LRE04	0.4...0.63
4	0.37	1.4	0.8	GZLE06	LC1E09	LC1E09	LRE05	0.63...1
5	0.75	2.2	1.3	GZLE07	LC1E09	LC1E09	LRE06	1...1.6
6	1.5	3.8	2.2	GZLE08	LC1E09	LC1E09	LRE07	1.6...2.5
7	2.2	5.1	2.9	GZLE10	LC1E18	LC1E09	LRE08	2.5...4
8	4	8.5	4.8	GZLE14	LC1E25	LC1E09	LRE10	4...6
9	5.5	11.4	6.4	GZLE16	LC1E32	LC1E09	LRE12	5.5...8
10	7.5	15.4	8.9	GZLE20	LC1E32	LC1E09	LRE14	7...10
11	9.3	17.3	10.0	GZLE22	LC1E40	LC1E18	LRE16	9...13
12	11	22	12.2	GZLE22	LC1E40	LC1E18	LRE16	9...13
13	15	30	17.3	GZLE32	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, $U_n = 400/415V, 50/60Hz$
Short Circuit Current $I_k = 50kA$

Type-Z Recommended Selection

Sc. No.	3Ø Motors			Contactor	Overload Relay		Nominal Back-up Fuse			SCF
	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	4NHC000U	4	000	NO012
2	0.18	0.25	0.6	LC1E09	LRE04	0.4-0.63	4NHC000B	4	000	FO032
3	0.25	0.33	0.8	LC1E09	LRE05	0.63-1	4NHC000B	4	000	NO032
4	0.37	0.5	1.4	LC1E09	LRE05	1-1.6	4NHC000B	4	000	NO032
5	0.55	0.75	1.7	LC1E09	LRE06	1-1.6	4NHC000U	4	000	NO032
6	0.75	1	2.2	LC1E09	LRE07	1.6-2.5	6NHC000B	6	000	FO032
7	1.1	1.5	2.9	LC1E09	LRE08	2.5-4	10NHC000B	10	000	NO032
8	1.5	1.75	3	LC1E09	LRE08	2.5-4	10NHC000B	10	000	NO032
9	1.5	2	3.8	LC1E09	LRE08	2.5-4	10NHC000G	10	000	NO032
10	2.2	3	5.1	LC1E09	LRE10	4-6	10NHC000B	16	000	NO032
11	3	4	6	LC1E09	LRE12	5.5-8	20NHC000B	20	000	NO032
12	3.7	5	8.1	LC1E09	LRE14	7-10	20NHC000B	20	000	NO032
13	4	5.5	8.5	LC1E09	LRE14	7-10	20NHC000G	20	000	NO032
14	5.5	7.5	11.4	LC1E12	LRE16	9-13	25NHC000B	25	000	NO032
15	7.5	10	15.4	LC1E16	LRE21	12-18	37NHC000B	37	000	NO063
16	9.3	12.5	17.3	LC1E25	LRE22	16-24	50NHC000B	50	000	NO063
17	11	15	22	LC1E25	LRE22	16-24	50NHC000G	50	000	NO063
18	13	17.5	24	LC1E32	LRE32	25-32	50NHC000B	50	000	NO063
19	15	20	30	LC1E32	LRE32	25-32	50NHC000B	63	000	NO063
20	16.5	25	36	LC1E40	LRE35S	30-40	80NHC000B	80	000	NO090
21	22	30	43	LC1E50	LRE36L	37-50	80NHC000G	80	000	NO090
22	30	40	56	LC1E65	LRE36S	48-65	100NHC000H	100	000	NO100
23	37	50	69	LC1E80	LRE36S	63-80	125NHC00B	125	00	NO125
24	45	60	84	LC1E95	LRE36S	80-100	160NHC00B	160	00	NO160
25	65	75	99	LC1E120	LRE482	64-125	160NHC00G	160	00	NO160
26	75	100	134	LC1E160	LRE483*	124-166	250NHC1B	250	1	NO250
27	90	110	139	LC1E160	LRE483*	124-166	250NHC1B	250	1	NO250
28	90	120	168	LC1E250	LRE483	124-166	250NHC1B	250	1	NO250
29	110	150	204	LC1E250	LRE484	146-234	250NHC1B	250	1	NO250
30	125	170	234	LC1E250	LRE485	174-279	315NHC2B	315	2	NO315
31	132	180	247	LC1E250	LRE485	174-279	315NHC2B	315	2	NO315
32	160	215	288	LC1E300	LRE486	208-323	400NHC2B	400	2	NO400
33	180	240	290	LC1E300	LRE486	208-323	400NHC2B	400	2	NO400
34	200	270	348	LC1E400	LRE487	258-414	400NHC2B	400	2	NO400
35	225	300	363	LC1E400	LRE487	258-414	600NHC3B	500	3	NO500
36	250	335	425	LC1E500	LRE488	321-513	630NHC3B	630	3	NO630
37	275	370	440	LC1E500	LRE488	321-513	630NHC3B	630	3	NO630
38	315	425	548	LC1E630	LRE489	394-630	800NHC3B	800	3	NA
39	335	457	580	LC1E630	LRE489	394-630	800NHC3B	800	3	NA

* Heavy cast match with contactor electrically (i.e. Cannot be directly mounted), not all relays are suitable for direct mounting as per catalogue.

** Selection valid upto trip class 10/10A. Contact required table other for details of EOCR to be used with this selection chart.

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, $U_n = 400/415V$, 50/60Hz
Short Circuit Current $I_{sc} = 50kA$

Type-2 Recommended Selection

Ct. No.	30 Motors				Contactor			Overload Relay		Nominal Back-up Fuse			SEF	Minimum Dissipative Power (Watt)	Star-Delta Time(s)
	kW	HP	FLC- I_n (Amps)		Min	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	6NHK0006	4	000	N0032	50	MSM06
2	1.1	1.5	2.9	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	6NHK0006	4	000	N0032	50	MSM06
3	1.5	2.0	3	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	6NHK0006	4	000	N0032	50	MSM06
4	2.2	3	3.8	2.2	LC1E09	LC1E09	LC1E09	LRE07	1.6-2.5	6NHK0006	6	000	N0032	50	MSM06
5	2.2	3	5.1	2.9	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	10NHK0008	10	000	N0032	50	MSM06
6	3	4	6	3.5	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	10NHK0008	10	000	N0032	50	MSM06
7	3.7	5	8.1	4.7	LC1E09	LC1E09	LC1E09	LRE10	4-6	10NHK0008	10	000	N0032	50	MSM06
8	4	5.5	8.5	4.9	LC1E09	LC1E09	LC1E09	LRE10	4-6	10NHK0008	15	000	N0032	50	MSM06
9	5.5	7.5	11.4	6.6	LC1E09	LC1E09	LC1E09	LRE12	5.5-8	10NHK0008	15	000	N0032	50	MSM06
10	7.5	10	15.4	8.9	LC1E09	LC1E09	LC1E09	LRE14	7-10	20NHK0008	20	000	N0032	50	MSM06
11	9.3	12.5	12.3	10.0	LC1E12	LC1E12	LC1E09	LRE14	7-10	20NHK0008	20	000	N0032	50	MSM06
12	11	15	22	12.7	LC1E18	LC1E18	LC1E09	LRE16	9-13	32NHK0008	32	000	N0032	50	MSM06
13	15	20	30	17.3	LC1E18	LC1E18	LC1E09	LRE21	12-18	40NHK0008	40	000	N0063	50	MSM06
14	18.5	25	36	20.8	LC1E25	LC1E25	LC1E09	LRE22	16-24	40NHK0008	40	000	N0063	50	MSM06
15	22	30	43	24.8	LC1E25	LC1E25	LC1E25	LRE32	23-32	63NHK0008	63	000	N0063	50	MSM06
16	30	40	56	32.3	LC1E40	LC1E40	LC1E25	LRE36a	30-40	63NHK0008	63	000	N0063	50	MSM06
17	37	50	69	39.8	LC1E50	LC1E50	LC1E32	LRE36a	30-40	63NHK0008	80	000	N0090	50	MSM06
18	45	60	84	48.5	LC1E50	LC1E50	LC1E32	LRE36a	30-40	100NHK0008	100	00	N0125	50	MSM06
19	55	75	99	57.2	LC1E63	LC1E63	LC1E40	LRE36a	46-65	125NHK0008	125	00	N0125	50	MSM06
20	75	100	134	77.4	LC1E80	LC1E80	LC1E63	LRE36a	53-88	160NHK0008	160	00	N0150	50	MSM06
21	85	110	139	80.3	LC1E80	LC1E80	LC1E80	LRE36a	53-88	160NHK0008	160	00	N0150	50	MSM06
22	90	120	164	94.7	LC1E96	LC1E96	LC1E80	LRE36a	80-104	200NHK018	200	1	N0200	50	MSM06
23	110	150	204	117.8	LC1E120	LC1E120	LC1E96	LRE40*	84-135	250NHK018	250	1	N0250	50	MSM06
24	125	170	234	136.1	LC1E160	LC1E160	LC1E120	LRE40*	124-198	250NHK018	250	1	N0250	50	MSM06
25	132	180	247	142.5	LC1E160	LC1E160	LC1E120	LRE40*	124-198	250NHK018	250	1	N0250	50	MSM06
26	150	200	249	143.2	LC1E160	LC1E160	LC1E120	LRE40*	124-198	250NHK018	250	1	N0250	50	MSM06
27	160	215	288	166.3	LC1E200	LC1E200	LC1E160	LRE40*	134-198	315NHK028	300	2	N0315	50	MSM06
28	180	240	298	172.1	LC1E200	LC1E200	LC1E160	LRE40*	124-198	315NHK028	300	2	N0315	50	MSM06
29	200	270	349	200.9	LC1E250	LC1E250	LC1E200	LRE40*	146-234	400NHK028	400	2	N0400	50	MSM06
30	225	300	360	207.8	LC1E250	LC1E250	LC1E200	LRE40*	146-234	400NHK028	400	2	N0400	50	MSM06
31	250	325	435	251.2	LC1E300	LC1E300	LC1E200	LRE40*	174-279	630NHK028	630	3	N0530	50	MSM06
32	275	370	440	254.0	LC1E300	LC1E300	LC1E200	LRE40*	174-279	630NHK028	630	3	N0530	50	MSM06
33	315	425	549	316.4	LC1E400	LC1E400	LC1E250	LRE40*	208-330	800NHK028	800	3	N0630	50	MSM06
34	325	450	590	334.9	LC1E400	LC1E400	LC1E250	LRE40*	258-414	800NHK028	800	3	N0630	50	MSM06
35	350	475	618	346.8	LC1E400	LC1E400	LC1E250	LRE40*	258-414	800NHK028	800	3	N0630	50	MSM06
36	375	500	660	377.0	LC1E400	LC1E400	LC1E250	LRE40*	258-414	800NHK028	800	3	NA	50	MSM06
37	400	525	674	389.1	LC1E500	LC1E500	LC1E300	LRE40*	258-414	800NHK028	800	3	NA	700	MSM06

* Relay can match with contactor electrically (it cannot be directly mounted), test 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 chart.

† For guaranteed performance, Motor feeders built using this chart must make use of MSM06 or equivalent Schneider Electric make limit 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, $U_n = 400/415V, 50/60Hz$
Short Circuit Current $I_k = 50kA$

Type-Z Recommended Selection

S.C. No.	30 Motors			Contactor	Overload Relay		Circuit Breaker			
	kW	HP	FLC - I_n (Amps)		Type	Range (A)	Type	log 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	1.8	LC1E09	LRE07	1.8-2.5	CVS100-MA	2.5	6-14	17.5
3	0.75	1	2.2	LC1E09	LRE07	1.8-2.5	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	6.3	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	6.6	7.5	11.4	LC1E32	LRE16	9-13	CVS100-MA	12.5	6-14	137.5
17	7.5	10	16.4	LC1E32	LRE21	13-18	CVS100-MA	25	6-14	125
13	9.3	12.5	17.3	LC1E32	LRE21	13-18	CVS100-MA	25	6-14	200
14	11	15	22	LC1E40B	LRE22	16-24	CVS100-MA	25	6-14	325
15	13	17.5	24	LC1E40B	LRE22	16-24	CVS100-MA	25	6-14	300
16	15	20	30	LC1E50	LRE30* or LRE30.2	23-32	CVS100-MA	60	6-14	360
17	18.5	25	36	LC1E65	LRE30* or LRE30.2	30-38* 30-40	CVS100-MA	60	6-14	450
18	22	30	43	LC1E65	LRE30.2	32-60	CVS100-MA	60	6-14	500
19	30	40	56	LC1E80	LRE30.9	49-65	CVS100-MA	100	6-14	700
20	37	50	69	LC1E96	LRE361	65-70	CVS100-MA	100	6-14	800
21	45	60	84	LC1E120	LRE402	84-125	CVS100-MA	100	6-14	1000
22	55	75	99	LC1E160	LRE402	84-125	CVS100-MA	100	6-14	1200
23	75	100	134	LC1E160	LRE462	84-125	CVS250-MA	150	9-14	1650
24	90	110	139	LC1E160	LRE463	124-198	CVS250-MA	150	9-14	1650
25	90	120	164	LC1E200	LRE463	124-198	CVS250-MA	200	9-14	1980
26	110	150	204	LC1E250	LRE464	146-234	CVS250-MA	200	9-14	2520
27	125	170	234	LC1E300	LRE464	146-234	CVS400-MA	300	6-13	2880
28	132	180	247	LC1E300	LRE465	174-279	CVS400-MA	300	6-13	3000
29	160	215	288	LC1E400	LRE466	206-333	CVS400-MA	300	6-13	3500
30	180	240	288	LC1E400	LRE466	206-333	CVS400-MA	300	6-13	3500
31	200	270	348	LC1E600	LRE467	258-414	CVS630-MA	500	6-13	4500
32	225	300	360	LC1E600	LRE467* or LRE468	258-414* 301-513	CVS630-MA	500	6-13	4500
33	250	335	435	LC1E800	LRE468	321-513	CVS630-MA	500	6-13	5500
34	275	370	460	LC1E800	LRE469	384-630	CVS630-MA	500	6-13	5500
35	315	425	548	LC1E800	LRE469	384-630	CVS630-E15	630	2-10	6300
36	330	450	580	LC1E800	LRE469	384-630	CVS630-CT3	600	2-10	6300
37	355	475	610	LC1E800	LRE469	384-630	CVS800-1MD	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 alternative 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, $U_n = 400/415V, 50/60Hz$
Short Circuit Current $I_{sc} = 50kA$

Type-2 Recommended Selection

Ct. No.	3ø Motors				Contactor			Overload Relay		Circuit Breaker			Minimum Power Line (kVA)	Star-Delta Timeout	
	kW	HP	FLC - I _n (Amps)		Main	Delta	Star	Type	Range (A)	Type	Trip Unit Rating	Magnetic Setting Range			Setting on trip (A) to Amps
			Line	Phase											
1	0.75	1	2.2	1.3	LC1E09	LC1E09	LC1E09	LRE06	1-1.6	CVS100-MA	E3	6-14	37.8	50	MSMIG
2	1.1	1.5	2.9	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.8-2.5	CVS100-MA	E3	6-14	50.4	50	MSMIG
3	1.5	1.8	3	1.7	LC1E09	LC1E09	LC1E09	LRE07	1.8-2.5	CVS100-MA	E3	6-14	50.4	50	MSMIG
4	1.5	2	3.8	2.7	LC1E09	LC1E09	LC1E09	LRE07	1.8-2.5	CVS100-MA	E3	6-14	63	60	MSMIG
5	2.2	3	5.1	2.9	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	CVS100-MA	12.5	6-14	100	50	MSMIG
6	3	4	6	3.5	LC1E09	LC1E09	LC1E09	LRE08	2.5-4	CVS100-MA	12.5	6-14	112.5	50	MSMIG
7	3.7	5	8.1	4.7	LC1E09	LC1E09	LC1E09	LRE10	4-6	CVS100-MA	12.5	6-14	150	50	MSMIG
8	4	5.5	8.5	4.9	LC1E09	LC1E09	LC1E09	LRE10	4-6	CVS100-MA	12.5	6-14	162.5	50	MSMIG
9	5.5	7.5	11.4	6.6	LC1E12	LC1E12	LC1E09	LRE12	5.5-8	CVS100-MA	25	6-14	225	50	MSMIG
10	7.5	10	15.4	8.9	LC1E16	LC1E16	LC1E09	LRE14	7-10	CVS100-MA	25	6-14	300	50	MSMIG
11	9.3	13	17.3	10	LC1E25	LC1E25	LC1E12	LRE14	7-10	CVS100-MA	25	6-14	375	50	MSMIG
12	11	15	22	12.2	LC1E25	LC1E25	LC1E12	LRE16	9-13	CVS100-MA	50	6-14	400	50	MSMIG
13	13	18	24	13.9	LC1E32	LC1E32	LC1E12	LRE21	12-18	CVS100-MA	50	6-14	450	50	MSMIG
14	15	20	30	17.3	LC1E32	LC1E32	LC1E16	LRE21	12-18	CVS100-MA	50	6-14	540	50	MSMIG
15	18.5	25	36	20.8	LC1E40B	LC1E40B	LC1E25	LRE22	16-24	CVS100-MA	50	6-14	700	50	MSMIG
16	22	30	43	24.8	LC1E40	LC1E40	LC1E32	LRE32* or LRE25*	22-32	CVS100-MA	100	6-14	800	50	MSMIG
17	30	40	56	32.3	LC1E50	LC1E50	LC1E36	LRE36*	30-40	CVS100-MA	100	6-14	1100	50	MSMIG
18	37	50	69	39.8	LC1E50	LC1E50	LC1E40	LRE36*	30-40	CVS100-MA	100	6-14	1300	50	MSMIG
19	45	60	84	48.5	LC1E50	LC1E50	LC1E50	LRE37	32-50	CVS250-MA	150	6-14	1650	50	MSMIG
20	55	75	99	57.3	LC1E50	LC1E50	LC1E50	LRE38	40-60	CVS250-MA	150	6-14	1950	50	MSMIG
21	75	100	134	77.4	LC1E120	LC1E120	LC1E80	LRE481	62-90	CVS250-MA	220	9-14	2640	50	MSMIG
22	90	110	159	90.3	LC1E120	LC1E120	LC1E80	LRE481	62-90	CVS250-MA	220	9-14	2640	50	MSMIG
23	90	120	164	94.7	LC1E160	LC1E160	LC1E96	LRE482	84-126	CVS250-MA	220	9-14	3090	50	MSMIG
24	110	150	208	112.8	LC1E200	LC1E200	LC1E120	LRE482*	84-126	CVS400-MA	300	6-13	3840	50	MSMIG
25	125	170	234	136.1	LC1E250	LC1E250	LC1E120	LRE482*	124-198	CVS630-MA	500	6-13	5500	50	MSMIG
26	132	180	240	142.8	LC1E250	LC1E250	LC1E120	LRE482*	124-198	CVS630-MA	500	6-13	5900	50	MSMIG
27	150	200	248	143.2	LC1E250	LC1E250	LC1E120	LRE482*	124-198	CVS630-MA	500	6-13	6000	50	MSMIG
28	160	215	268	168.3	LC1E300	LC1E300	LC1E160	LRE482*	124-198	CVS630-MA	600	6-13	6500	50	MSMIG
29	180	240	298	172.1	LC1E300	LC1E300	LC1E160	LRE482*	124-198	CVS630-MA	600	6-13	6000	50	MSMIG
30	200	270	348	200.9	LC1E400	LC1E400	LC1E200	LRE484	148-204	CVS630-MA	600	6-13	6500	50	MSMIG
31	225	300	360	217.9	LC1E400	LC1E400	LC1E200	LRE484	148-204	CVS630-MA	600	6-13	6500	50	MSMIG
32	250	335	436	251.2	LC1E400	LC1E400	LC1E250	LRE485	174-279	CVS630-MA	600	6-13	6500	50	MSMIG
33	275	370	440	254	LC1E400	LC1E400	LC1E250	LRE485	174-279	CVS630-MA	600	6-13	6500	50	MSMIG
34	315	425	540	316.4	LC1E500	LC1E500	LC1E300	LRE486*	208-320	CVS630-FTS	630	2-10	6300	200	MSMIG

* 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 chart.

† For guaranteed performance, Motor loads built using this chart must make use of MSMIG or equivalent Schneider Electric make line only

Panel Mount EasySeries



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

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit REF# [1]
100...240 V AC single phase	24V	1.5A	ABL2RE.M24015K	ABL 2_K Power Supply DC24V output, 35W	2699
100...240 V AC single phase	24V	2A	ABL2RE.M24020K	ABL 2_K Power Supply DC24V output, 50W	2699
100...240 V AC single phase	24V	4.5A	ABL2RE.M24045K	ABL 2_K Power Supply DC24V output, 100W	4382
100...240 V AC single phase	24V	6.5A	ABL2RE.M24065K	ABL 2_K Power Supply DC24V output, 150W	5202
100...240 V AC single phase	24V	8.5A	ABL2RE.M24085K	ABL 2_K Power Supply DC24V output, 200W	7011
100...240 V AC single phase	24V	10A	ABL2RE.M24100K	ABL 2_K Power Supply DC24V output, 250W	8010
100...240 V AC single phase	24V	15A	ABL2RE.M24150K	ABL 2_K Power Supply DC24V output, 350W	13046

Panel Mount - ABLP



- Multiple mounting positions
- Din rail mounting with accessory
- IEC 61000-3-2 compliant (EMC emission)
- Output voltage adjustment
- 100-240 vac input

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit REF# [1]
100...240 V AC single phase	12V	0.5A	ABL P1A12005	Power Supply 12V 0.5A Panel Mount, 10W	8517
100...240 V AC single phase	24V	4.5A	ABL P1A24045	Power Supply 24V 4.5A Panel Mount, 100W	7786
100...240 V AC single phase	24V	6.2A	ABL P1A24062	Power Supply 24V 6.2A Panel Mount, 150W	11083
100...240 V AC single phase	24V	10A	ABL P1A24100	Power Supply 24V 10A Panel Mount, 240W	15712

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 REF# [1]
100...240 V AC single phase	5V	3.6A	ABL M1A05036	Power Supply 5V 3.6A Modular, 18W	7742
100...240 V AC single phase	12V	1A	ABL M1A12010	Power Supply 12V 1A Modular, 12W	5509
100...240 V AC single phase	12V	2.1A	ABL M1A12021	Power Supply 12V 2.1A Modular, 25W	7742
100...240 V AC single phase	12V	4.2A	ABL M1A12042	Power Supply 12V 4.2A Modular, 50W	10729
100...240 V AC single phase	24V	0.4A	ABL M1A24004	Power Supply 24V 0.4A Modular, 10W	4521
100...240 V AC single phase	24V	0.6A	ABL M1A24006	Power Supply 24V 0.6A Modular, 15W	5666
100...240 V AC single phase	24V	1.2A	ABL M1A24012	Power Supply 24V 1.2A Modular, 30W	7742

Please contact Customer care center for Stockable and Non stockable status of references.

14 M01002 STOCK ITEMS

W.E.F. January 30th, 2023

Optimized ABL5



- 3 Mountings, select the best suited to fit 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	ABL5(A)12062	Power Supply 12V 6.2A Optimized, 75W	969
100...240 V AC single phase	12V	10A	ABL5(A)12100	Power Supply 12V 10A Optimized, 120W	13064
100...240 V AC single phase	24V	2.1A	ABL5(A)24021	Power Supply 24V 2.1A Optimized, 50W	8101
100...240 V AC single phase	24V	3.1A	ABL5(A)24031	Power Supply 24V 3.1A Optimized, 75W	8237
100...240 V AC single phase	24V	3.8A	ABL5(A)24038	Power Supply 24V 3.8A Optimized, 91.5W	14029
100...240 V AC single phase	24V	5A	ABL5(A)24050	Power Supply 24V 5A Optimized, 120W	12318
100...240 V AC single phase	24V	10A	ABL5(A)24100	Power Supply 24V 10A Optimized, 240W	16641
100...240 V AC single phase	24V	20A	ABL5(A)24200	Power Supply 24V 20A Optimized, 480W	26547
100...240 V AC single phase	48V	2.5A	ABL5(A)48025	Power Supply 48V 2.5A Optimized, 120W	13064

Universal ABL8RP/WP



- 100-500 Vac (1 or 2 Phases) (or 380-500Vac 3 Phases input terminal)
- Automatic or Manual reset
- 2 diagnosis LED (U/I)
- 6 to 10 mm² output terminals
- Cool-fan removal (from omega (Ω) rail)
- Protection of settings (password)
- Diagnosis relay

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP (€)
100...120 V AC single phase, terminal(s): N 1 1 200...500 V AC phase to phase, terminal(s): L1 L2	24V	3A	ABL8RP(S)4030	Univ. Power Supply 1P 24V 3A, 72W	17518
100...120 V AC single phase, terminal(s): N 1 1 200...500 V AC phase to phase, terminal(s): L1 L2	24V	5A	ABL8RP(S)4050	Univ. Power Supply 1P 24V 5A, 120W	20547
100...120 V AC single phase, terminal(s): N 1 1 200...500 V AC phase to phase, terminal(s): L1 L2	24V	10A	ABL8RP(S)24100	Univ. Power Supply 1P 24V 10A, 240W	26572
380...500 V AC three phase, terminal(s): L1, L2, L3	24V	20A	ABL8RP(S)24200	Univ. Power Supply 3P 24V 20A, 480W	38888
380...500 V AC three phase, terminal(s): L1, L2, L3	24V	40A	ABL8RP(S)24400	Univ. Power Supply 3P 24V 40A, 960W	67452

Accessories for ABLP

Input Voltage	Output Voltage	Output Current	Reference	Description	Unit MRP (€)
			ABL1W01	Mounting Kit for Power Supply up to 150W	1127
			ABL1W02	Mounting Kit for Power Supply 240W	1127

Please contact Customer care center for Stockable and Non-stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

ABT7 - Economy Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MPP* [1]
Single phase 230V 40VA - 400VA 40° C				
230 V AC single phase ±15 V	24 V AC	40	ABT7ESM004B	10252
230 V AC single phase ±15 V	24 V AC	63	ABT7ESM006B	1957
230 V AC single phase ±15 V	24 V AC	100	ABT7ESM010B	6574
230 V AC single phase ±15 V	24 V AC	160	ABT7ESM016B	10486
230 V AC single phase ±15 V	24 V AC	250	ABT7ESM025B	13015
230 V AC single phase ±15 V	24 V AC	300	ABT7ESM030B	17230
230 V AC single phase ±15 V	24 V AC	400	ABT7ESM040B	10230

ABL5 - Optimum Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MPP* [1]
Single phase 230/400V 25VA - 2500VA 50° C				
230/400 V single phase ±15 V	24 V AC	25	ABL6TS025B	9074
230/400 V single phase ±15 V	24 V AC	40	ABL6TS040B	9490
230/400 V single phase ±15 V	24 V AC	63	ABL6TS063B	9759
230/400 V single phase ±15 V	24 V AC	100	ABL6TS100B	11530
230/400 V single phase ±15 V	24 V AC	160	ABL6TS160B	13293
230/400 V single phase ±15 V	24 V AC	250	ABL6TS250B	17110
230/400 V single phase ±15 V	24 V AC	400	ABL6TS400B	24565
230/400 V single phase ±15 V	24 V AC	630	ABL6TS630B	34113
230/400 V single phase ±15 V	24 V AC	1000	ABL6TS1000B	47009
230/400 V single phase ±15 V	24 V AC	1600	ABL6TS1600B	60200
230/400 V single phase ±15 V	24 V AC	2500	ABL6TS2500B	82438
230/400 V single phase ±15 V	115 V AC	100	ABL6TS100C	11446
230/400 V single phase ±15 V	115 V AC	160	ABL6TS160C	13536
230/400 V single phase ±15 V	115 V AC	250	ABL6TS250C	17237
230/400 V single phase ±15 V	115 V AC	400	ABL6TS400C	26151
230/400 V single phase ±15 V	115 V AC	630	ABL6TS630C	36097
230/400 V single phase ±15 V	115 V AC	1000	ABL6TS1000C	47947
230/400 V single phase ±15 V	115 V AC	1600	ABL6TS1600C	62527
230/400 V single phase ±15 V	115 V AC	2500	ABL6TS2500C	82480
230/400 V single phase ±15 V	230 V AC	25	ABL6TS025J	9490
230/400 V single phase ±15 V	230 V AC	40	ABL6TS040J	9955
230/400 V single phase ±15 V	230 V AC	63	ABL6TS063J	10301
230/400 V single phase ±15 V	230 V AC	100	ABL6TS100J	10952
230/400 V single phase ±15 V	230 V AC	160	ABL6TS160J	13630
230/400 V single phase ±15 V	230 V AC	250	ABL6TS250J	16286
230/400 V single phase ±15 V	230 V AC	400	ABL6TS400J	21346
230/400 V single phase ±15 V	230 V AC	630	ABL6TS630J	27956
230/400 V single phase ±15 V	230 V AC	1000	ABL6TS1000J	36783
230/400 V single phase ±15 V	230 V AC	1600	ABL6TS1600J	47634
230/400 V single phase ±15 V	230 V AC	2500	ABL6TS2500J	62480

Please contact Customer care center for Stockable and Non stockable status of references.

 MINIMAL STOCK ITEMS

W.E.F. January 30th, 2023

ABT7 - Universal Range (Double Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MPP (%)
Single phase 230/400V 25VA - 2500VA 60°C				
230/400 V single phase +15 V	24/45 V AC	40	ABT7113J0040	12537
230/400 V single phase +15 V	24/45 V AC	63	ABT7113J0063	12668
230/400 V single phase +15 V	24/45 V AC	250	ABT7113J0250	20367
230/400 V single phase +15 V	24/45 V AC	400	ABT7113J0400	25330
230/400 V single phase +15 V	24/45 V AC	630	ABT7113J0630	30163
230/400 V single phase +15 V	115/230 V AC	40	ABT7113J0040G	11804
230/400 V single phase +15 V	115/230 V AC	100	ABT7113J0100G	13810
230/400 V single phase +15 V	115/230 V AC	160	ABT7113J0160G	14676
230/400 V single phase +15 V	115/230 V AC	250	ABT7113J0250G	20643
230/400 V single phase +15 V	115/230 V AC	400	ABT7113J0400G	23014
230/400 V single phase +15 V	115/230 V AC	630	ABT7113J0630G	30220
230/400 V single phase +15 V	115/230 V AC	1000	ABT7113J1000G	40000
230/400 V single phase +15 V	115/230 V AC	1600	ABT7113J1600G	73850
230/400 V single phase +15 V	115/230 V AC	2500	ABT7113J2500G	123660
230/400 V single phase +15 V	115/230 V AC	25	ABT7113J0025	13192
230/400 V single phase +15 V	115/230 V AC	100	ABT7113J0100	14186
230/400 V single phase +15 V	115/230 V AC	160	ABT7113J0160	14912
230/400 V single phase +15 V	115/230 V AC	1000	ABT7113J1000	60122
230/400 V single phase +15 V	115/230 V AC	1600	ABT7113J1600	83000
230/400 V single phase +15 V	115/230 V AC	2500	ABT7113J2500	130977

Please contact Customer care center for Stockable and Non stockable status of references.

SE NORMAL STOCK ITEMS

WEF January 30th, 2025



Zelio 2 compact smart relay with display



Zelio 2 compact smart relay without display



Zelio 2 modular smart relay with display

Relays

Description	Reference	List Price [7]
Voltage 24V DC		
Zelio Logic module - 10 I/O, RLY - w/o clock - with display	SR2A101BD	176x3
Zelio Logic module - 20 I/O, RLY - w/o clock - with display	SR2A201BD	28817
Zelio Logic module - 12 I/O, TRN - with clock - with display	SR2B121BD	16141
Zelio Logic module - 12 I/O, TRN - with clock - with display	SR2B122BD	26215
Zelio Logic module - 20 I/O, RLY - with clock - with display	SR2E201BD	32061
Zelio Logic module - 20 I/O, RLY - with clock - with display	SR2E202BD	32043
Zelio Logic module - 10 I/O, RLY - w/o clock - w/o display	SR2D101BD	12841
Zelio Logic module - 20 I/O, RLY - w/o clock - w/o display	SR2D201BD	25475
Zelio Logic module - 12 I/O, RLY - with clock - w/o display	SR2E121BD	16145
Zelio Logic module - 20 I/O, RLY - with clock - w/o display	SR2E201BD	30551
Zelio Logic module - 10 I/O, RLY - with clock - with display	SR2B101BD	19653
Zelio Logic module - 10 I/O, TRN - with clock - with display	SR2B102BD	17265
Zelio Logic module - 25 I/O, RLY - with clock - with display	SR2B251BD	40433
Zelio Logic module - 25 I/O, TRN - with clock - with display	SR2B252BD	40405
Voltage 100-240V AC		
Zelio Logic module - 10 I/O, RLY - w/o clock - with display	SR2A101U	19005
Zelio Logic module - 20 I/O, RLY - w/o clock - with display	SR2A201U	29045
Zelio Logic module - 12 I/O, RLY - with clock - with display	SR2B121U	19815
Zelio Logic module - 20 I/O, RLY - with clock - with display	SR2E201U	32007
Zelio Logic module - 10 I/O, RLY - w/o clock - w/o display	SR2D101U	13199
Zelio Logic module - 20 I/O, RLY - w/o clock - w/o display	SR2D201U	25210
Zelio Logic module - 12 I/O, RLY - with clock - w/o display	SR2E121U	17484
Zelio Logic module - 20 I/O, RLY - with clock - w/o display	SR2E201U	31621
Zelio Logic module - 10 I/O, RLY - with clock - with display	SR2B101U	20961
Zelio Logic module - 25 I/O, RLY - with clock - with display	SR2B251U	41190
Voltage 12V DC		
Zelio Logic module - 12 I/O - with clock - with display	SR2B121D	20146
Zelio Logic module - 20 I/O - with clock - with display	SR2E201D	25284
Voltage 24V AC		
Zelio Logic module - 12 I/O - with clock - with display	SR2B121B	20146
Zelio Logic module - 20 I/O - with clock - with display	SR2E201B	28002
Zelio Logic module - 20 I/O - with clock - w/o display	SR2E201B	35705
Zelio Logic module - 10 I/O - with clock - with display	SR2B101B	22224
Zelio Logic module - 24 I/O - with clock - with display	SR2B251B	44135

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



I/O Extension module

I/O Extension modules

Description	Reference	Unit MRP (€)
discrete I/O extension module - 4 I/O-4DI, 200 - 24 V DC	SR5X711ED	7250
discrete I/O extension module - 6 I/O-4DI, 200	SR5X711U	7590
discrete I/O extension module - 10 I/O-6DI, 400 - 24 V DC	SR5X7101B0	8540
discrete I/O extension module - 10 I/O-6DI, 400	SR5X7101U	10060
discrete I/O extension module - 14 I/O-8DI, 400 - 24 V AC	SR5X7141B	17201
discrete I/O extension module - 14 I/O-8DI, 400 - 24 V DC	SR5X7141B0	11790
discrete I/O extension module - 14 I/O-8DI, 400	SR5X7141U	12529
Analogical I/O extension module - 2 AI/2AO	SR5X143B0	10887

Accessories

Description	Reference	Unit MRP (€)
SCB-0 9-pin PC connecting cable - 3 m	SRPCB101B	17066
SUB-0 9-pin modem connecting cable - 0.5 m	SRGJL07	31903
communication interface	SRGCOM01	22544
documentation - programming on the smart relay - EN	SRDMAN01EN	4536
memory cartridge firmware - up to v 2.4 - E11PROM	SR2ME-M01B	4304
memory cartridge firmware - for v 3.0 - I11PROM	SR2ME-M02B	3179
modem interface - analog PSTN	SR2M-0101	96500
modem interface - GSM	SR2M-0102	96200
programming software "Zelio Soft 2" multilingual - CD-ROM	SRZSI101	4903
USB-PC connecting cable - 3 m	SR2USBD1	10166



Altivar™ AC Drives

Advanced energy management
and performance in motor control

Variable Speed Drives

Process



Mining,
Minerals &
Metals



Marine



Food &
Beverage



Water &
Wastewater



Oil & Gas



Power
Plants

Fluid Management

Altivar Process 600



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



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

Industrial Processes

Altivar Process 900



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



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

Machines



Hoisting



Material
Handling



Textile



Material
Working



Packaging

Commercial Equipment

Altivar 12



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

Basic Machines

Altivar 310



IP20
0.75 to 77 kW
380...460 V

Simple & Advanced Machines

Altivar 320B/C



Block/compact format
0.18...16 kW
200...690 V

Altivar340



Block/compact
format
0.75...75 kW
380...460 V

Altivar 320W



Harsh environment
IP20/IP55
0.18...7.5 kW
380...480 V

Building



Pumps



Lift



Fans &
Compressors

HVAC & Pumps

Altivar 212



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



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

Utilities

Altivar 610



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

Soft Starters

Simple Machines

Altistart 01



3...16 A
110...480 V

Altivar Soft Starter ATS130



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

Industrial Processes & Utility

Altistart 22



17...380 A
200...690 V

Altivar Soft Starter ATS480



200 to 690V
17 to 1700A



Altivar™ Easy 310 Drives for Simple Machines

Now available upto 22kW

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



When just enough
is just right!



General Purpose Drives

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



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

KW (HP)		IP Rating	Max. continuous current(A)	Reference	Unit MRP* (€)
Single phase-Supply Voltage: 200...240V					
0.18	0.25		1.4	ATV12H018M2	On Request
0.37	0.55		2.8	ATV12H037M2	On Request
0.55	0.75		3.5	ATV12H055M2	On Request
0.75	1		4.7	ATV12H075M2	On Request
1.5	2		7.5	ATV12H15M2	On Request
2.2	3		10	ATV12H22M2	On Request
Three phase-Supply Voltage: 200...240V					
0.37	0.55		2.4	ATV12H037M3	On Request
0.75	1		4.7	ATV12H075M3	On Request
1.5	2		7.5	ATV12H15M3	On Request
2.2	3		10	ATV12H22M3	On Request
3	-		12.7	ATV12H30M3	On Request
4	5		16.7	ATV12H40M3	On Request

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



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

KW	KW		Max. Continuous Current (A)		Reference	Unit MRP* (€)
	HP	HP	HP	HP		
-	0.37	-	1.5	-	ATV310H037N4E	On Request
-	0.75	-	2.3	-	ATV310H075N4E	On Request
-	1.5	-	4.1	-	ATV310H15N4E	On Request
-	2.2	-	5.5	-	ATV310H22N4E	On Request
4	3	8.9	7.1	-	ATV310H30N4E	On Request
5.5	4	12.1	8.5	-	ATV310H40N4E	On Request
7.5	5.5	15	12.6	-	ATV310H55N4E	On Request
11	7.5	22.8	17	-	ATV310H75N4E	On Request
15	11	30	24	-	ATV310H11N4E	On Request
18	15	36	33	-	ATV310H15N4E	On Request
22	18	43	39	-	ATV310H18N4E	On Request
30	22	60	46	-	ATV310H22N4E	On Request
18	15	36	33	-	ATV310HE15N4E1	On Request
22	18	43	39	-	ATV310HE18N4E1	On Request
30	22	60	46	-	ATV310HE22N4E1	On Request

*F: refer to Inbuilt EMC



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



Concentric, negative pressure water supply



Building



Power



Over CEM

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
- Fair higher protection and performance

Always available:

- Wide availability
- Worldwide technical assistance

Contact with Schneider Electric sales for country of origin.

se.com/easyaltivar610

Easy Altivar™ 610

Now available upto 460V

Main features

Power range:
0.75 to 160kW

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

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

EMC:
C3 level filter embedded

Harmonics:
DC choke embedded (above 4kW)

Protection:
IP20

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

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



Control I/O

Control terminal:
• Analog input: 3
• Analog output: 2
• Digital input: 6
• Relay output: 3

Communication:
• Modbus embedded;
option: Profibus DP



Display terminal

Basic keypad (standard)
• LCD backlight, removable
• 2 lines, 6 languages
• Configuration save
• Easy mounting kit (Ø22mm)



For more information and product references visit

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

Now available upto 460V



- Compact size, simplicity of integration and reduction of the size of the enclosure
- 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

kW		Max. continuous current(A)		Reference	Unit MPP (V)
NO	NO	NO	NO		
Three phase-Supply Voltage: 380...460V					
4	3	9.3	7.2	ATV610M0N4	On Request
5.5	4	12.7	9.5	ATV610U5N4	On Request
7.5	5.5	15.8	12.7	ATV610J75N4	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	59.5	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	307	250	ATV610C16N4	On Request

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

from 0.75 to 75 kW



- Embedded communication Modbus, Apogee F1.N (P1), Motasys N2, BacNet
- More Friendly simplicity & control with Universal Graphic Keypad
- Low Harmonics Emissions: Low THDI = 30%
- EMC Immunity Protection & Noise reductions
- AHRI Approved
- N2 without display, VW3A1111 advance display to be ordered separately

kW		Max. continuous current(A)		Reference	Unit MPP (V)
Three phase-Supply Voltage: 380...480V					
0.75		2.2		ATV212H075N4	On Request
1.5		3.7		ATV212H15N4	On Request
2.2		5.1		ATV212H22N4	On Request
3		7.2		ATV212H30N4	On Request
4		9.1		ATV212H40N4	On Request
5.5		12		ATV212H55N4	On Request
7.5		16		ATV212H75N4	On Request
11		22.5		ATV212H11N4	On Request
15		30.5		ATV212H15N4	On Request
18.5		37		ATV212H18N4	On Request
22		43.5		ATV212H22N4	On Request
30		58.5		ATV212H30N4	On Request
37		79		ATV212H37N4	On Request
45		94		ATV212H45N4	On Request
55		116		ATV212H55N4	On Request
75		160		ATV212H75N4	On Request

Please contact Customer care center for Stockable and Non stockable status of references.

Altivar™ STOCK ITEMS

W.E.F. January 30th, 2023

Machine Drives

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



Product selector for ATV320



EcoStruxure™ Motor Control Configurator



EcoStruxure™ Motor Management Design

- Cost saving: Optimized Space and Time
- Solution Oriented: ATV Logic, Ready for automation integration
- Ambient temperature: 50deg C with deration
- Safety embedded as standard (STO SILE)
- 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 (€)
Single phase-Supply Voltage: 200... 240V			
0.18	1.5	ATV320U02MFC	On Request
0.37	3.3	ATV320U04MFC	On Request
0.75	7.7	ATV320U08MFC	On Request
1.5	16.8	ATV320U12MFC	On Request
3	36.9	ATV320U18MFC	On Request
6	74	ATV320U27MFC	On Request
Three phase-Supply Voltage: 200... 240V			
1.5	8	ATV320U15MFC	On Request
4	17.5	ATV320U14MFC	On Request
5.5	27.5	ATV320U15MFC	On Request
7.5	33	ATV320U17MFC	On Request
11	54	ATV320U18MFC	On Request
15	66	ATV320U15MFC	On Request
Three phase-Supply Voltage: 380... 500V (COMPACT)			
0.37	1.5	ATV320U10MFC	On Request
0.55	1.9	ATV320U08MFC	On Request
0.75	2.3	ATV320U07MFC	On Request
1.1	3	ATV320U11MFC	On Request
1.5	4.1	ATV320U15MFC	On Request
2.2	5.5	ATV320U22MFC	On Request
3	7.1	ATV320U10MFC	On Request
4	9.5	ATV320U08MFC	On Request
5.5	14.3	ATV320U15MFC	On Request
7.5	17	ATV320U17MFC	On Request
11	27.7	ATV320U18MFC	On Request
15	33	ATV320U15MFC	On Request
Three phase-Supply Voltage: 380... 500V (BOOK)			
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	ATV320U10N4B	On Request
4	9.5	ATV320U08N4B	On Request
5.5	14.3	ATV320U15N4B	On Request
7.5	17	ATV320U17N4B	On Request
11	27.7	ATV320U18N4B	On Request
15	33	ATV320U15N4B	On Request
Three phase-Supply Voltage: 380... 500V, IP66			
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	ATV320U10N4W	On Request
4	9.5	ATV320U08N4W	On Request
5.5	14.3	ATV320U15N4W	On Request
7.5	17	ATV320U17N4W	On Request

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

Press contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2020



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 1.1HP to 100 HP in heavy duty with 3 phase supply voltage from 380 to 690 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

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



- Reduced requirement for additional devices thanks to rich interfaces, I/Os, and PWM I/Os, and an embedded encoder
- SIO +2 (SIO0); 2 RD; 2 AI; 1 AO
- 30kW...75kW : 8 DI; 1 DO; 3RD; 3AI; 2AO
- DC choke, default from 30kW and above
- Heavy duty 100% in for 60hac & 100% in for 20ac
- Embedded SIO S&I
- On board AEM & SinCos 1Vpp encoder
- Chemical class for harsh environment C03
- 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***NME): Power & Supply Voltage: 0.75 – 75 kW & 400/480 V three phase

RD	kW		Max. continuous current (A)		Reference	Unit MPF [1]
	RD	RD	RD	RD		
Three phase-Supply Voltage: 380...480V (Modular)						
1.1	0.75		2.8	2.2	ATV340107M4	On Request
2.2	1.5		5.6	4	ATV340115M4	On Request
3	2.2		7.2	5.6	ATV340122M4	On Request
4	3		9.3	7.2	ATV340130M4	On Request
5.5	4		12.7	9.3	ATV340140M4	On Request
7.5	5.5		16.5	12.7	ATV340150M4	On Request
11	7.5		24	16.5	ATV340175M4	On Request
15	11		32	24	ATV340111M4	On Request
18.5	15		39	32	ATV340157M4	On Request
22	18.5		46	39	ATV340118M4	On Request
30	22		62	46	ATV340122M4	On Request
Three phase-Supply Voltage: 380...480V (With Ethernet)						
1.1	0.75		2.8	2.2	ATV340107N4E	On Request
2.2	1.5		5.6	4	ATV340115N4E	On Request
3	2.2		7.2	5.6	ATV340122N4E	On Request
4	3		9.3	7.2	ATV340130N4E	On Request
5.5	4		12.7	9.3	ATV340140N4E	On Request
7.5	5.5		16.5	12.7	ATV340150N4E	On Request
11	7.5		24	16.5	ATV340175N4E	On Request
15	11		32	24	ATV340111N4E	On Request
18.5	15		39	32	ATV340157N4E	On Request
22	18.5		46	39	ATV340118N4E	On Request
30	22		62	46	ATV340122N4E	On Request
37	30		74.5	61.5	ATV340130N4E	On Request
45	37		88	74.5	ATV340135N4E	On Request
55	46		106	88	ATV340145N4E	On Request
75	55		145	106	ATV340165N4E	On Request
90	75		173	145	ATV340175N4E	On Request

*ATV340 display is optional - W3A1113



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



SICO PUMPS



MIXERS



HOISTING

ATV900

- DC Bus starting and 4Q apps. using ATV900/900
- Control all types of synchronous motors as well as async. motors in open or closed loop.
- Manage master/slave apps such as conveyor with multi drive link
- Increase asset life using dedicated hoisting, POCV-151 and rod pump applications functions

Demanding Applications



ATV600

- Monitor energy consumption, energy based KPI's with 95% accuracy
- Monitor pump operation status and efficiency (SEFF)
- Control multi pump applications in WWW & FXE environments with
- Dedicated rotor & asset protection functions such as pump and pipe protection

Fluid & Gas Applications



FANS



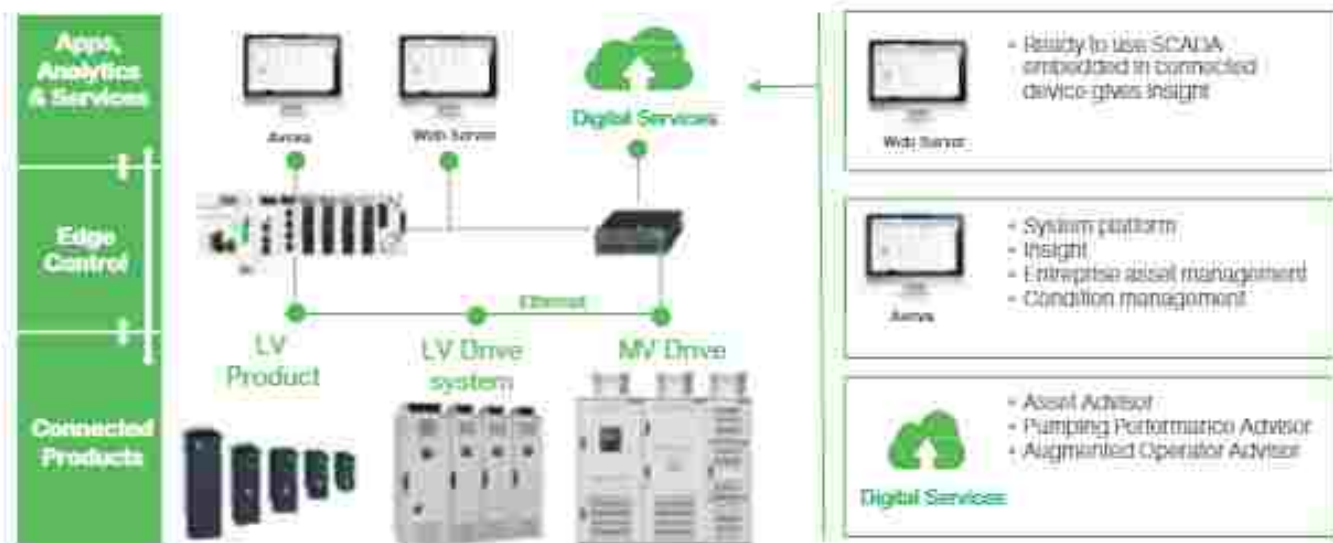
CENTRE PUMPS



COMPRESSORS

Motor's Data Flow within EcoStruxure

EcoStruxure
Innovation At Every Level



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 PlantStructure™ and Foxboro™ Env architectures simplify system integration.



Water applications

- Booster pumps
- Lift station pumps
- Desatination 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 530	Altivar 650
Voltage	480	480	480	480
kW	0.75 - 315 kW	0.75 - 90 kW	0.75 - 315 kW	0.75 - 90 kW
Enclosure	UL Type 1 Nema4X kit option: 125 - 250 hp	UL Type 12	UL Type 1 Nema4X kit option: 125 - 250 hp	UL Type 12
Application functions	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
Performance	Normal or heavy duty	Normal or heavy duty	High torque capacity encoder options, dual Ethernet ports	High torque capacity encoder options, dual Ethernet ports

Contact with Schneider Electric sales for country of origin.

Altivar™ Process ATV630 : Variable Speed IOT Drive dedicated to process Industry and Utilities (Pump & Fan) from 0.75 kW to 315 kW.



- Ana-numeric and graphical display to monitor trends and values
- Inbuilt features dedicated for Pump seq, Pump Curves, Pipe W/L, Anti Jam, Pipe cleaning etc
- Calculative power consumption with respect to flow (kwh/m³)
- 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 is built to get documents access on site and register service request directly from QR code.



kW	A/D	Max. continuous current (A)		Reference	Unit MPP (%)
		A/D	I/D		
Three phase-Supply Voltage: 380 ... 480V (IP21)					
0.75	0.37	2.7	1.5	ATV630U07N4	On Request
1.5	0.75	4	2.2	ATV630U15N4	On Request
2.2	1.1	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	ATV630U11N4	On Request
15	11	31.7	23.5	ATV630U15N4	On Request
18.5	15	39.2	31.7	ATV630U18N4	On Request
22	18.5	46.3	39.2	ATV630U22N4	On Request
30	22	61.5	46.3	ATV630U30N4	On Request
37	30	74.5	61.5	ATV630U37N4	On Request
45	37	86	74.5	ATV630U45N4	On Request
55	45	106	86	ATV630U55N4	On Request
75	55	146	106	ATV630U75N4	On Request
90	75	173	146	ATV630U90N4	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	491	367	ATV630C25N4	On Request
315	250	616	481	ATV630C31N4	On Request
Three phase-Supply Voltage: 380 ... 480V (IP55)					
0.75	0.37	2.7	1.5	ATV630U07N4	On Request
1.5	0.75	4	2.2	ATV630U15N4	On Request
2.2	1.1	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	ATV630U11N4	On Request
15	11	31.7	23.5	ATV630U15N4	On Request
18.5	15	39.2	31.7	ATV630U18N4	On Request
22	18.5	46.3	39.2	ATV630U22N4	On Request
30	22	61.5	46.3	ATV630U30N4	On Request
37	30	74.5	61.5	ATV630U37N4	On Request
45	37	86	74.5	ATV630U45N4	On Request
55	45	106	86	ATV630U55N4	On Request
75	55	146	106	ATV630U75N4	On Request
90	75	173	146	ATV630U90N4	On Request

N4 without display, W3A1111 advance display to be ordered separately

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



- Ats numeric and graphical display to monitor trends and values.
- Calculative power consumption with respect to flow (kw/m³).
- 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.



kW	HP	Max. continuous current (A)		Reference	Unit type ¹ (U)
		NO	NO		
Three phase-Supply Voltage: 380...480V (IP21)					
0.75	0.97	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	12.2	9.3	ATV930U55N4	On Request
7.5	4	16.5	12.2	ATV930U75N4	On Request
11	5.5	23.5	16.5	ATV930U11N4	On Request
15	7.5	31.2	23.5	ATV930U15N4	On Request
18.5	15	39.2	31.2	ATV930U18N4	On Request
22	18.5	46.3	39.2	ATV930U22N4	On Request
30	22	61.5	46.3	ATV930U30N4	On Request
37	30	74.5	61.5	ATV930U37N4	On Request
45	37	88	74.5	ATV930U45N4	On Request
55	45	106	88	ATV930U55N4C*	On Request
55	45	106	88	ATV930U55N4	On Request
75	55	145	106	ATV930U75N4C*	On Request
75	55	145	106	ATV930U75N4	On Request
90	75	123	145	ATV930U90N4C*	On Request
90	75	123	145	ATV930U90N4	On Request
110	90	211	173	ATV930C110N4C*	On Request
110	90	211	173	ATV930C110N4	On Request
132	110	250	211	ATV930C132N4C*	On Request
132	110	250	211	ATV930C132N4	On Request
160	132	302	250	ATV930C160N4C*	On Request
160	132	302	250	ATV930C160N4	On Request
220	160	427	302	ATV930C220N4C*	On Request
220	160	427	302	ATV930C220N4	On Request
290	200	481	387	ATV930C290N4C*	On Request
315	250	616	481	ATV930C315N4C*	On Request
Three phase-Supply Voltage: 380...480V (IP55)					
0.75	0.97	2.2	1.5	ATV960U07N4	On Request
1.5	0.75	4	2.2	ATV960U15N4	On Request
2.2	0.75	5.6	4	ATV960U22N4	On Request
3	1.5	7.2	5.6	ATV960U30N4	On Request
4	2.2	9.3	7.2	ATV960U40N4	On Request
5.5	3	12.2	9.3	ATV960U55N4	On Request
7.5	4	16.5	12.2	ATV960U75N4	On Request
11	5.5	23.5	16.5	ATV960U11N4	On Request
15	7.5	31.2	23.5	ATV960U15N4	On Request
18.5	15	39.2	31.2	ATV960U18N4	On Request
22	18.5	46.3	39.2	ATV960U22N4	On Request
30	22	61.5	46.3	ATV960U30N4	On Request
37	30	74.5	61.5	ATV960U37N4	On Request
45	37	88	74.5	ATV960U45N4	On Request
55	45	106	88	ATV960U55N4	On Request
75	55	145	106	ATV960U75N4	On Request
90	75	173	145	ATV960U90N4	On Request

¹Reference ending with 'C' is without braking unit
 NIZ without display 'W3A1111' advance display to be ordered separately
 Please contact Customer care center for Stockable and Non stockable status of references.



Reduce mechanical stress on your machines

Allistart™ 01
Allivar™ ATS130 
Allistart™ 22
Allivar™ Soft Starter ATS480

Complete range of soft starters from 0,37 kW (3 Amps)
to 900 kW (1200 Amps)



Altivar™ Soft Starters: 3 ranges to match your applications

 Small and Simple	 Compact design for normal duty applications	 Digitally integrated for heavy duty and normal duty applications
ATS01	ATS22	ATS480

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

Main data on Altivar™ Soft Starters



Us (rated operational voltage)	200 to 690V	230 to 610V 208 to 600V	110 to 480V single phase 110 to 480V 3 phase
Rated operational current	17 to 1200A	17 to 600A	3 to 12A (1 ph) - 6 to 30A (3ph)
Power range	4 to 900kW	4 to 600kW	0.37 to 110kW
Us/Control supply voltage	110 to 230Vac	110 to 230Vac	24V AC/DC - 110 - 240Vdc
Connectivity	Modbus, Modbus RTU (hardwired), Profibus, Profibus DP, CANopen	Modbus	
Type of control	Torque Control, voltage control	Voltage control	Voltage ramp
Current limitation	500% (up to 750% (load motor current))	200% (L)	
Stop mode	Torque ramp, voltage ramp, dynamic braking, DC injection	Free-wheel, voltage ramp	Free-wheel, voltage ramp
Thermal protection Other protections	Electronic, PTC, P1100 (2 or 3 wires), thermalist, overload, motor phase loss, low phase inrush, excessive acceleration limit, current overload, ground leakage	Electronic, Overload, overload, motor phase loss, low phase inrush, excessive acceleration limit, current overload, ground leakage	

Soft Starter

ATS01 – Soft Starter for Simple Machine



[kV] Rated Supply Voltage	Network Number of Phases	Motor Power kW	Starting Time	[A] Rated Operational Current (A)	Reference	Unit MRP [€]
380...415V 60...60Hz	3	1.5kW/2.2kW	adjustable from 1 to 10s	6	ATS01N08QN	On Request
		4kW	adjustable from 1 to 10s	9	ATS01N09QN	On Request
		5.5kW	adjustable from 1 to 10s	12	ATS01N12QN	On Request
		7.5kW/11kW	adjustable from 1 to 10s	22	ATS01N22QN	On Request
		16kW	adjustable from 1 to 10s	32	ATS01N32QN	On Request

ATS22 - Soft Starter for Utilities (Pump & fan)



- Embedded shorting contactor
- 50% reduction average of 25% (less compare to ATS48 drive) (without additional by pass)
- Full starter and motor protection
- True three phases control
- Monitor in fault

kW (400 V)	Rated Current (Amps)	Reference	Unit MRP [€]
Three phase-Supply Voltage: 230V...440V			
7.5	17	ATS2217D	On Request
15	32	ATS2232D	On Request
22	47	ATS2247D	On Request
30	67	ATS2267D	On Request
37	75	ATS2275D	On Request
45	88	ATS2288D	On Request
56	110	ATS22110	On Request
75	140	ATS22140	On Request
90	170	ATS22170	On Request
110	250	ATS22250	On Request
137	250	ATS22250	On Request
160	320	ATS22320	On Request
220	410	ATS22410	On Request
260	480	ATS22480	On Request
315	580	ATS22580	On Request

Altivar™ Soft Starter ATS480



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

ATS480 builds on the proven robustness and stop/starting performance of the ATS48. ATS480 extends the lifetime of ATS48 equipment and preserves your initial investment by reusing current design.

Benefits

- Reduced engineering time and cost**
- The integration of Altivar Soft Starter ATS480 in EcoStruxure™ Apps and software for Automation and Power drastically simplify architecture selection, detailed design and execution.
- Reliability for your operations**
- Highly robust and reliable even for the most demanding applications or in harsh environments.
 - Flexibility to improve the continuity of service of your applications.
- Cybersecure**
- User account management to restrict authorization
 - ATS480 has enhance cybersecurity features built-in to restrict or disable part and services.
 - Threat intelligence in general security related reports
 - Secure boot and firmware upgrade

Please contact Customer care center for Stockable and Non-stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

Complete solution for Process & Infrastructures projects.



Only 1 range 208/230 V from 4 to 200kW



Options and accessories common to Alivar®

Alivar® Soft Starter ATS480 characteristics	
Un Rated operational voltage	208 to 690V
In rated operational current	17 to 1700A
Power range	4 to 200kW
Application type	Normal and heavy duty
Control Type	Torque control, the original
Current limitation	500% to up to 700% motor IN
Stop mode	torque-ramp, dynamic braking, DC injection
Motor thermal protection	Embedded electronic thermal logic, PTC, RTD
Connectivity	Modbus serial (embedded)
	Modbus TCP
Standards and certifications	EtherNet/IP PROFINET
	PROFIBUS DP CANopen
Standards and certifications	CE, UL, IEC, CCC, EAC
	ROHS, UKCA, DMV, ABS, BV
	CCC

Soft Starter Selection

Refer to the following table to select ATS480 compatible with the ATS46 to substitute.

Legacy offers			Now offers	
ATS46●●●●D 230...415 Vac	ATS46●●●●Y 208...690 Vac	→	ATS480●●●●Y 208...690 Vac	
ATS46D17Q	ATS46D17Y		ATS480D17Y	
ATS46D22Q	ATS46D22Y		ATS480D22Y	
ATS46D32Q	ATS46D32Y		ATS480D32Y	
ATS46D38Q	ATS46D38Y		ATS480D38Y	
ATS46D47Q	ATS46D47Y		ATS480D47Y	
ATS46D52Q	ATS46D52Y		ATS480D52Y	
ATS46D75Q	ATS46D75Y		ATS480D75Y	
ATS46D98Q	ATS46D98Y		ATS480D98Y	
ATS46C11Q	ATS46C11Y		ATS480C11Y	
ATS46C14Q	ATS46C14Y		ATS480C14Y	
ATS46C17Q	ATS46C17Y		ATS480C17Y	
ATS46C21Q	ATS46C21Y		ATS480C21Y	
ATS46C25Q	ATS46C25Y		ATS480C25Y	
ATS46C32Q	ATS46C32Y		ATS480C32Y	
ATS46C41Q	ATS46C41Y		ATS480C41Y	
ATS46C48Q	ATS46C48Y		ATS480C48Y	
ATS46C58Q	ATS46C58Y		ATS480C58Y	
ATS46C68Q	ATS46C68Y		ATS480C68Y	
ATS46C79Q	ATS46C79Y		ATS480C79Y	
ATS46M10Q	ATS46M10Y	ATS480M10Y		
ATS46M12Q	ATS46M12Y	ATS480M12Y		

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

Specific Legacy offers		Now offers
ATS46●●●●YS310, ability to set In Delta up to 500 V	→	ATS480●●●●Y
ATS46●●●●YS328, tropicalization coating		
ATS46●●●●QS338, tropicalization coating		

Please contact Customer care center for Stockable and Non stockable status of references.

▶ [MIRAMIS STOCK ITEMS](#)

W.E.F. January 30th, 2023

Green Premium™

Enhance sustainability with Altivar™ Soft Starter ATS480

Superior environmental performance thanks to upgradability and modernization solutions

Altivar™ Soft Starter ATS480 is RoHS and REACH compliant

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

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

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

Benefits

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



Communication and Wi-Fi modules

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

Cybersecurity-compliant firmware upgrade

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

Graphic display terminal and dynamic QR code

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

Power options (line chokes, bypass contactor)

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



Experience our offer on se.com/green-premium



Product selector for ATS480



EcoStruxure™ Motor Control Configurator



EcoStruxure™ Motor Management Design

Altistart™ 480

ATS480 In Size								ATS480
Motor connection								ATS480
Rated operational voltage (U _N)								
Rated motor power								
230 V	400 V	480 V	500 V	525 V	600 V	690 V		
kW	kW	kW	kW	kW	kW	kW	Reference Line Motor (L)	
Normal duty applications								
4	7.5	7.5	9	9	11	15	ATS480D17Y On Request	
5.5	11	11	11	11	15	18.5	ATS480D22Y On Request	
7.5	15	15	18.5	18.5	22	22	ATS480D37Y On Request	
9	18.5	18.5	22	22	30	30	ATS480D47Y On Request	
11	22	22	30	30	37	37	ATS480D75Y On Request	
15	30	30	37	37	45	45	ATS480D11Y On Request	
18.5	37	37	45	45	55	55	ATS480D15Y On Request	
22	45	45	55	55	75	75	ATS480D30Y On Request	
30	55	55	75	75	90	90	ATS480C11Y On Request	
37	75	75	90	90	110	110	ATS480C14Y On Request	
45	90	90	110	110	132	160	ATS480C17Y On Request	
55	110	110	132	132	160	200	ATS480C21Y On Request	
75	132	132	160	160	220	250	ATS480C25Y On Request	
90	160	160	220	210	250	315	ATS480C37Y On Request	
110	220	220	250	250	300	400	ATS480C41Y On Request	
132	250	250	315	315	400	500	ATS480C40Y On Request	
160	315	300	400	400	500	600	ATS480C57Y On Request	
-	315	400	-	-	630	630	ATS480C60Y On Request	
220	400	500	500	500	710	710	ATS480C70Y On Request	
250	500	630	630	630	900	900	ATS480M10Y On Request	
300	630	710	800	800	-	-	ATS480M12Y On Request	
Heavy duty applications								
3	5.5	5.5	7.5	7.5	9	11	ATS480D17Y On Request	
4	7.5	7.5	9	9	11	15	ATS480D22Y On Request	
5.5	11	11	11	11	15	18.5	ATS480D37Y On Request	
7.5	15	15	18.5	18.5	22	22	ATS480D47Y On Request	
9	18.5	18.5	22	22	30	30	ATS480D75Y On Request	
11	22	22	30	30	37	37	ATS480D11Y On Request	
15	30	30	37	37	45	45	ATS480D15Y On Request	
18.5	37	37	45	45	55	55	ATS480D30Y On Request	
22	45	45	55	55	75	75	ATS480D11Y On Request	
30	55	55	75	75	90	90	ATS480C14Y On Request	
37	75	75	90	90	110	110	ATS480C17Y On Request	
45	90	90	110	110	132	160	ATS480C21Y On Request	
55	110	110	132	132	160	200	ATS480C25Y On Request	
75	132	132	160	160	220	250	ATS480C37Y On Request	
90	160	160	220	220	250	315	ATS480C41Y On Request	
110	220	220	250	250	300	400	ATS480C40Y On Request	
132	250	250	315	315	400	500	ATS480C57Y On Request	
160	315	300	400	400	500	600	ATS480C60Y On Request	
-	315	400	-	-	630	630	ATS480C70Y On Request	
220	400	500	500	500	710	710	ATS480M10Y On Request	
250	500	630	630	630	900	900	ATS480M12Y On Request	

Please contact Customer care center for Stockable and Non stockable status of references.

▲ MINIMAL STOCK ITEMS

WEF January 30th 2023



Harmony Relays

Electromechanical, Timer and control Relays

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



- **Wide choice:** 1CO 10 A – 2CO 5 A, 6 VDC – 230 VAC, multifunctional features
- **Robust installation:** test on pin terminal
- **Easy to use:** optional status indication and test function
- **Safe to perform:** feasibility to add protection modules (diode, diode + LED, RC-circuit, or varistor + LED)
- **Space saving:** only 18 mm socket for 2CO
- **Complies to CE, UL, CSA, IAC**

RXG Interface Relays

Description	Relay	Control Circuit Voltage (V)		Reference	Unit MRP [€]
1CO 6 Pin Relay Standard cover lockable test button					
Without LED indicator	1 CO : 10 A	24V	DC	RXC1100	330
		24V	AC	RXC1103	334
		120V		RXC1117	335
		230V		RXC1107	334
1CO 6 Pin Relay Standard cover lockable test button					
With LED indicator	1 CO : 10 A	24V	DC	RXC1200	429
		24V	AC	RXC1203	435
		120V		RXC1217	435
		230V		RXC1207	435
1CO 6 Pin Relay without lockable test button					
With LED indicator	1 CO : 10 A	24V	DC	RXC1300	320
		120V	AC	RXC1317	303
		230V		RXC1307	320
1CO 6 Pin Relay without lockable test button					
Without LED indicator	1 CO : 10 A	12V	DC	RXC1400	317
		24V	AC	RXC1403	320
		230V		RXC1407	329
2CO 8 Pin Relay Standard cover lockable test button					
Without LED indicator	2 CO : 5 A	12V	DC	RXC2100	439
		24V		RXC2103	438
		120V	AC	RXC2117	462
		220V		RXC21M7	470
		230V		RXC2107	470
2CO 8 Pin Relay Standard cover lockable test button					
With LED indicator	2 CO : 5 A	24V	DC	RXC2200	500
		48V		RXC2210	494
		24V	AC	RXC2207	540
		120V		RXC2217	540
		220V		RXC22M7	524
		230V		RXC2207	540
2CO 8 Pin Relay Standard cover without lockable test button					
With LED indicator	2 CO : 5 A	24V	DC	RXC2300	465
		24V	AC	RXC2307	493
		120V		RXC2317	493
		220V		RXC23M7	493
		230V		RXC2307	507
2CO 8 Pin Relay Standard cover without lockable test button					
Without LED indicator	2 CO : 5 A	12V	DC	RXC2400	447
		24V	AC	RXC2403	467
		220V		RXC24M7	470
		230V		RXC2407	496

Please contact Customer care center for Stockable and Non stockable status of references.

⚡ M3M2 STOCK ITEMS

W.E.F. January 30th, 2023



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

RXM Miniature Relays

Description	Relay	Control Circuit Voltage (V)		Reference	Unit MRP [€]
2 CO 8 Pin relays Without lockable test button					
Without LED indicator	2 CO - 5 A	24V	DC	RXM01.01ED	420
		24V	AC	RXM01.01E7	440
		120V		RXM01.01F7	440
		230V		RXM01.01FV	430
With LED indicator	2 CO - 5 A	24V	DC	RXM21.01ED	550
		48V	RXM21.01ED	490	
		24V	AC	RXM21.02E7	450
		120V		RXM21.02F7	490
		230V		RXM21.02FV	460
		4 CO 14 Pin relays Without lockable test button			
Without LED indicator	4 CO - 3 A	12V	DC	RXM41.01ED	620
		24V		RXM41.01ED	490
		24V	AC	RXM41.01E7	620
		120V		RXM41.01F7	610
		230V		RXM41.01FV	490
With LED indicator	4 CO - 3 A	12V	DC	RXM41.02ED	650
		24V		RXM41.02ED	510
		48V	RXM41.02ED	660	
		24V	AC	RXM41.02E7	560
		120V		RXM41.02F7	560
		230V		RXM41.02FV	510

Description	Type	Reference	Unit MRP [€]
Sockets			
Mixed screw clamp arm, for RXM21 range	Socket	RXZ1 IM2C	214
Mixed screw clamp arm, for RXM41 range		RXZ1 IM4C	220
Mixed clamp for RXZ1 IM2C	Accessory	RXZ1 CG	50

Please contact Customer care center for Stockable and Non stockable status of references.

SEE MOBILE STOCK STATUS

WEF January 30th, 2025

RXM*NB Miniature Relays

Description	Relay	Control Circuit Voltage (V)	Reference	Unit MPP ¹ (U)	
Miniature Relays without Lockable Test-Button					
With LED indicators	2 CO - 10 A	24V	DC	RXMNB101	100
		120V	DC	RXMNB101D	145
		220V	DC	RXMNB101C	100
	2 CO - 10 A	230V	AC	RXMNB101F	145
		24V	DC	RXMNB101E	100
		120V	AC	RXMNB101Z	118
		220V	AC	RXMNB101V	129

Description	Connection	Relay Type	Reference	Unit MPP ¹ (U)
Sockets for RXMNB relays				
Modul	Screw Clamp connector	RO00N	RO12MN	225
Mixed	Screw Clamp connector	RO0VN	RO12MN	261

RPM Power Relay

Description	Relay	Control Circuit Voltage (V)	Reference	Unit MPP ¹ (U)	
Power Relay					
	1 CO - 15 A	24V	DC	RPM1201	122
		24 V	DC	RPM0201	1148
	2 CO - 15 A	120V	AC	RPM2211	1666
		230V	AC	RPM2211	1306
	3 CO - 15 A	24V	DC	RPM3200	1474
		220V	AC	RPM3201	1501
With LED Indicators	4 CO - 15 A	24V	DC	RPM0200	1117
		40V	DC	RPM0200	1512
		110V	DC	RPM0200	1528
	4 CO - 15 A	24V	AC	RPM0201	1401
		40V	AC	RPM0201	1450
		110V	AC	RPM0201	1575
		220V	AC	RPM0201	1309

Description	Connection	Relay Type	Reference	Unit MPP ¹ (U)
Sockets				
Modul	Screw Clamp connector	RPM1	RO211	162
		RPM2	RO212	164
		RPM3	RO213	166
		RPM4	RO214	167
Clips And Legends				
Metal retaining clamp for relay socket RO211			RO2R236	114

Please contact Customer care center for Stockable and Non stockable status of references.

[M MIRA2 STOCK ITEMS](#)

WEF: January 30th, 2023

RXM Miniature Relays

Description	Relay	Control Circuit Voltage (V)	Reference	Unit MRP (€)
2CO 9 Pin Relay Standard cover lockable test button				
Without LED indicator	2 CO - 12 A	12V	R0M2AB1JD	628
		24V	R0M2AB1BD	634
		48V	R0M2AB1ED	696
		110V	R0M2AB1FD	662
		24V	R0M2AB1E7	629
		48V	R0M2AB1E7	629
		120V	R0M2AB1E7	629
230V	R0M2AB1F7	634		
2CO 9 Pin Relay Standard cover lockable test button				
With LED indicator	2 CO - 12 A	12V	R0M2AB2JD	688
		24V	R0M2AB2BD	629
		48V	R0M2AB2ED	726
		110V	R0M2AB2FD	629
		24V	R0M2AB2E7	683
		48V	R0M2AB2E7	673
		120V	R0M2AB2E7	688
230V	R0M2AB2F7	629		
3CO 11 Pin Relay Standard cover with lockable test button				
With LED indicator	3 CO - 10 A	12V	R0M3AB1JD	881
		24V	R0M3AB1BD	880
		24V	R0M3AB1E7	981
		120V	R0M3AB1E7	906
		230V	R0M3AB1F7	906
3 CO 11 Pin Relay Standard cover with lockable test button				
Without LED indicator	3 CO - 10 A	24V	R0M3AB2BD	842
		48V	R0M3AB2ED	1036
		110V	R0M3AB2FD	925
		24V	R0M3AB2E7	946
		120V	R0M3AB2E7	881
230V	R0M3AB2F7	881		
4CO 14 Pin Relay Standard cover with lockable test button				
With LED indicator	4 CO - 6 A	12V	R0M4AB1JD	139
		24V	R0M4AB1BD	139
		48V	R0M4AB1ED	879
		110V	R0M4AB1FD	879
		24V	R0M4AB1E7	885
		48V	R0M4AB1E7	827
		120V	R0M4AB1E7	885
230V	R0M4AB1F7	885		
4 CO 14 Pin Relay Standard cover with lockable test button				
Without LED indicator	4 CO - 6 A	12V	R0M4AB2JD	920
		24V	R0M4AB2BD	874
		48V	R0M4AB2ED	920
		110V	R0M4AB2FD	920
		24V	R0M4AB2E7	937
		48V	R0M4AB2E7	937
		120V	R0M4AB2E7	937
230V	R0M4AB2F7	891		

RXM Miniature Relays

Description	Relay	Control Circuit Voltage (V)	Reference	Unit MRP (€)
4CO 14 Pin Relay with Low level contact				
Without LED indicator	4 CO - 3 A	24V	R0M4CB1BD	962
		230V	R0M4CB1F7	912
4CO 14 Pin Relay with Low level contact				
With LED indicator	2 CO - 12 A	12V	R0M4CB2JD	997
		24V	R0M4CB2BD	961
With Lockable test button	2 CO - 12 A	230V	R0M4CB2MD	676
		120V	R0M4CB2E7	997
		230V	R0M4CB2F7	971
		240V	R0M4CB2U7	1085

Description	Connection	Relay Type	Thermal Current (A)	Reference	Unit MRP (€)
Sockets					
Mixed contact	Screw Clamp	R0M2* / R0M6*	10A	R0Z32M114	334
	Screw Connector	R0M2* / R0M6*	10A	R0Z32M114M	300
	Screw Connector	R0M2*	12A	R0Z32S108M	348
Separate	Screw Connector	R0M3*	10A	R0Z32S111M	385
		R0M6*	10A	R0Z32S114M	411

Description	Voltage V	For use with	Reference	Unit MRP (€)
Sockets				
Diode	5...250 V DC	All Sockets	R0M040W	157
PC Circuit	24...60 V AC	All Sockets	R0M041EN7	168
	110...240 V AC	All Sockets	R0M041E117	168
PC Circuit	5...24 V AC/DC	All Sockets	R0M071EE	190
	24...60 V AC/DC	All Sockets	R0M071EE	190
	110...240 V AC/DC	All Sockets	R0M071F7	188

Please contact Customer care center for Stockable and Non stockable status of references.

88 000001 STOCK ITEMS

WE: January 30th, 2025



RE17 Electronic Timers



Description	Supply Voltage	Time Range	Output	Reference	Unit MPP (€)
RE10 Timers					
Multifunction	24 V DC / 24...240 V AC	1 s...100 h	1 CO	RE10RSMU	2046
RE17 Timers					
On Delay	24...240 V AC/DC	0.1 s...100 h	1 CO SS	RE17LAMW	2879
Off delay	24...240 V AC	1 s...100 h	1 CO SS	RE17LCHM	3367
Interval on delay	24...240 V AC	1 s...100 h	1 CO SS	RE17LHIM	4307
Asymmetrical Flashing	24...240 V AC	1 s...100 h	1 CO SS	RE17LIPM	3639
Multifunction	24...240 V AC	1 s...100 h	1 CO SS	RE17LMIM	3407
On Delay	24 VDC / 24...240 VAC	1 s...100 h	1 CO	RE17RSMU	2761
single Interval	24 VDC / 24...240 VAC	1 s...100 h	1 CO	RE17REMUMU	4015
Off Delay	24 VDC / 24...240 VAC	1 s...100 h	1 CO	RE17RECMU	2925
Interval on delay	24 VDC / 24...240 VAC	1 s...100 h	1 CO	RE17REMU	2968
Asymmetrical Flashing	24 VDC / 24...240 VAC	1 s...100 h	1 CO	RE17RIMU	3777
Multifunction	12 V DC	1 s...100 h	1 CO	RE17RIMUJ	3673
Multifunction	24 VDC / 24...240 VAC	1 s...100 h	1 CO	RE17RSMU	3421
Multifunction	12...240 VAC/DC	0.1 s...100 h	1 CO	RE17RSMW	3661
Multifunction	12...240 VAC/DC	0.1 s...100 h	1 CO	RE17RSMWS	4106
Multifunction	24 VDC / 24...240 VAC	0.1 s...100 h	1 CO	RE17RSMUMU	4369
Multifunction	24 VDC / 24...240 VAC	0.1 s...10 h	1 CO	RE17RSMUMU	3427



RE22 Electronic Timers

Description	Supply Voltage	Time Range	Output	Reference	Unit MPP (€)
RE22 Timers					
On Delay	24...240 V AC/DC	0.05s...300h	1 CO	RE22R1AMR	4967
Off Delay	24...240 V AC/DC	0.05s...300h	1 CO	RE22R1CMR	9407
Off Delay	24...240 V AC/DC	0.05s...10min	1 CO	RE22R1AMR	11232
Asymmetrical Flashing	24...240 V AC/DC	0.05s...300h	1 CO	RE22R1MIMR	7071
Multi function	24...240 V AC/DC	0.05s...300h	1 CO	RE22R1MYMR	7671
Start Delta	24 VDC / 24...240 VAC	0.05s...300h	1 CO	RE22R1OCMU	5036
Start Delta	230/380 V AC	1s...100h	1 CO	RE22R1OMU	4766
Start Delta	24 VDC / 24...240 VAC	1s...100h	1 CO	RE22R1OMUJ	5620
On Delay	24...240 V AC/DC	0.05s...300h	2 CO	RE22R2AMU	966
Off Delay	24 VDC / 24...240 VAC	1s...100h	2 CO	RE22R2AMUJ	4766
Off Delay	24...240 V AC/DC	0.05s...300h	2 CO	RE22R2CMR	13784
Asymmetrical Flashing	24...240 V AC/DC	0.05s...300h	2 CO	RE22R2IMR	7825
Off Delay	24...240 V AC/DC	0.05s...10min	2 CO	RE22R2IMR	13760
Multi function	24...240 V AC/DC	1s...100h	2 CO	RE22R2MMU	4721
Multi function	12...240 VAC/DC	1s...100h	2 CO	RE22R2MMW	5393
Multi function	24...240 V AC/DC	0.05s...300h	2 CO	RE22R2MYMR	15261
Start Delta	24...240 V AC/DC	0.05s...30h	2 CO	RE22R2OMIR	7707
Start Delta	24...240 V AC/DC	0.05s...300h	2 CO	RE22R2CMR	10788
Start Delta	24...240 V AC/DC	0.05s...300h	2 CO	RE22R2OIMR	7567

Please contact Customer care center for Stockable and Non stockable status of references.

NEW! MINIMAL STOCK ITEMS

W.E.F. January 30th, 2023



Control - Monitoring & Control Relays

Description	Supply Voltage	Measurement Range	Time Range	Output	Reference	Unit MRP (€)
RM10 Measurement & Control Relays						
3 Phase Multifunction	Self Powered	208...480 VAC		1 CO	RM101100	3601
3 Phase Multifunction		183...528 VAC		1 CO	RM101200	2770
RM17 Measurement & Control Relays (Self Powered)						
3 Ø: Phase loss/Phase sequence	Self Powered	208...480 VAC		1 CO	RM171000	14108
3 Ø: Phase loss/Phase sequence		208...480 VAC		2 CO	RM171020	3667
Phase Sequence, Phase loss, Undervoltage		208...480 VAC		1 CO	RM171100	7783
Phase Sequence, Phase loss, Asymmetry		208...480 VAC		1 CO	RM171200	5867
Multifunction		208...480 VAC		1 CO	RM171100	24299
1 phase under or overvoltage control		20 to 60 VAC/DC	0.1...10 s	1 CO	RM171AS16	6464
1 phase under or overvoltage control		65 to 260 VAC/DC	0.1...10 s	1 CO	RM171AS15	7783
1 phase under or overvoltage control in window				0.1...10 s	1 CO	RM171BC15

Description	Supply Voltage	Measurement Range	Time Range	Output	Reference	Unit MRP (€)
RM22 Measurement & Control Relays						
Phase loss/Phase sequence	Self powered	208...480 VAC		2 CO	RM221G20	5660
Multifunction	Self powered	208...480 VAC	0.1...30 s	2 CO	RM221R33	4267
Phase Sequence, Phase loss, Undervoltage	Self powered	208...480 VAC		2 CO	RM221U23	7259
Under or overvoltage	24...240 VAC	1...100 VAC/DC	0.1...30 s	2 CO	RM22JA32M1	11849
Under or overvoltage	24...240 VAC	15...600 VAC/DC	0.1...30 s	2 CO	RM22JA33MR	10604
Under or overcurrent	24...240 VAC	4mA...1A	0.1...30 s	2 CO	RM22JA31M1	11054
Level Control	24...240 VAC	4K...100K Ohm		1 CO	RM22JC11MR	5917
RM35 Measurement & control relays						
Multifunction	Self powered	220...480 VAC		2 CO	RM351F30	On Request
Under or overvoltage (F.N)	Self powered	120...277 VAC		2 CO	RM351R12C30	On Request
Over or undervoltage	24...240 VAC/DC	15...600 VAC/DC		2 CO	RM35JA13MW	On Request
over or undercurrent	24...240 VAC/DC	0.15...15A		2 CO	RM35JA14MW	On Request
Liquid level control	24...240 VAC/DC			1 CO	RM35V14MW	On Request
Liquid level control	24...240 VAC/DC			2 CO	RM35M33MW	On Request
Under or overspeed	24...240 VAC/DC			1 CO	RM35S0MW	On Request

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2025

Pilot lights

Description	Supply Voltage	Colour	Reference	Unit MRP [€]
With Direct Integral LED				
	~ 12V	White	XA2VJ11C	211
		Green	XA2VJ31C	189
		Red	XA2VJ11C	189
		Amber	XA2VJ31C	189
		Blue	XA2VJ51C	280
		Yellow	XA2VJ81C	189
	~ 24V	White	XA2VR11C	211
		Green	XA2VR31C	189
		Red	XA2VR11C	189
		Amber	XA2VR31C	189
		Blue	XA2VR51C	280
		Yellow	XA2VR81C	189
~ 30V	White	XA2VC11C	211	
	Green	XA2VC31C	189	
	Red	XA2VC11C	189	
	Amber	XA2VC31C	189	
	Blue	XA2VC51C	280	
	Yellow	XA2VC81C	189	
	~ 48V	White	XA2V111C	211
		Green	XA2V131C	189
		Red	XA2V111C	189
		Amber	XA2V131C	189
		Blue	XA2V151C	280
		Yellow	XA2V181C	189
	~ 60...63.5V	White	XA2V111C	211
		Green	XA2V131C	189
		Red	XA2V111C	189
		Amber	XA2V131C	189
		Blue	XA2V151C	280
		Yellow	XA2V181C	189
	~ 110V	White	XA2V111C	219
		Green	XA2V131C	189
		Red	XA2V111C	189
		Amber	XA2V131C	189
		Blue	XA2V151C	309
		Yellow	XA2V181C	189
	~ 200V	White	XA2VM11C	263
		Green	XA2VM31C	254
		Red	XA2VM11C	238
		Amber	XA2VM31C	263
		Blue	XA2VM51C	620
		Yellow	XA2VM81C	228
	~ 220...230V	White	XA2VM11C	211
		Green	XA2VM31C	189
		Red	XA2VM11C	189
		Amber	XA2VM31C	189
		Blue	XA2VM51C	280
		Yellow	XA2VM81C	189
	~ 380...400V	White	XA2VQ11C	290
		Green	XA2VQ31C	290
		Red	XA2VQ11C	280
		Amber	XA2VQ31C	309
		Blue	XA2VQ51C	620
		Yellow	XA2VQ81C	280

Please contact Customer care center for Stockable and Non stockable status of references.

MEIRING STOCK ITEMS

W.E.F. January 30th, 2023

Pushbuttons

Description	Contacts	Color	Reference	Unit MRP [€]
Pushbuttons plastic circular bezel - complete, spring return				
	1 NO	White	XB5AA11N	150
	1 NO	Black	XB5AA21N	180
	1 NO	Green	XB5AA31N	180
Flush unmarked	1 NO	Yellow	XB5AA51N	180
	1 NO	Blue	XB5AA61N	180
	1 NC	Red	XB5AA7N	180
	1 NO	Red	XB5AA11N	180
	1 NO	Blank	XB5AA01N	190
Projecting	1 NC	Red	XB5ALC1N	219
Flush, marked "NO"	1 NO - 1 NC	Green	XB5ALB6N	1200
Flush with silicon transparent boot	1 NO	Green	XB5AP01N	270

Illuminated Pushbuttons

Description	Contacts	Color	Reference	Unit MRP [€]
Illuminated Pushbuttons plastic circular bezel - complete, Clear Lens				
Flush Integral LED 24V AC/DC	1 NO	White	XB5AW31H1N	520
	1 NO	Green	XB5AW33H1N	520
	1 NC	Red	XB5AW34H2N	520
	1 NO	Yellow	XB5AW35H1N	520
	1 NO	Amber	XB5AW38H1N	590
Flush Integral LED 110V AC	1 NO	Blue	XB5AW39H1N	1020
	1 NO	Green	XB5AW33G1N	640
	1 NC	Red	XB5AW34G2N	640
Flush Integral LED 230V AC	1 NO	White	XB5AW11M1N	600
	1 NO	Green	XB5AW13M1N	570
	1 NC	Red	XB5AW14M2N	570
	1 NO	Yellow	XB5AW25M1N	570
	1 NO	Amber	XB5AW28M1N	580
1 NO	Blue	XB5AW36M1N	1020	

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

Pilot Lights

Description	Supply Voltage V	Color	Reference	Unit MRP [€]
With smooth lens (except clear colour)				
Direct Integral LED	24V AC/DC	White	XB1EVO18PN	290
		Green	XB1EVO19PN	270
		Red	XB1EVO19PN	270
		Yellow	XB1EVO20PN	270
	120V AC	Amber	XB1EVO18UN	270
		Blue	XB1EVO19UN	560
		Green	XB1EVO20UN	270
		Red	XB1EVO21UN	270
230V AC	Amber	XB1EVO18UN	270	
	White	XB1EVO19UN	280	
	Green	XB1EVO20UN	270	
	Red	XB1EVO21UN	270	
	Yellow	XB1EVO22UN	270	
	Amber	XB1EVO23UN	270	
	Blue	XB1EVO24UN	560	

* Clear type pilot lights are provided with smoked lens.

Biometric Switches

Description	Reference	Unit MRP [€]
Testable biometric switch, 24V DC - PNP - by 2m cable	XB5S15DL2	4070
Testable biometric switch, 24V DC - PNP - by M12 connector	XB5S16DM12	4280
Monostable biometric switch, 24V DC - PNP - by 2m cable	XB5S15SL2	4080
Monostable biometric switch, 24V DC - PNP - by M12 connector	XB5S16SM12	4280

Accessories

Description	Reference	Unit MRP [€]
Diameter: 22 mm rail	XB5Z11	440

Selector Switch

Description	Type	Contacts	Color	Reference	Unit Price [€]
Selector Switch-Complete, Non-Illuminated					
Standard Handle	2 Position stay put	1 NO	Black	XB5A021N	444
	2 Position spring return, right to left	1 NO	Black	XB5A031N	466
	3 Position stay put	2 NO	Black	XB5A031N	488
	3 Position spring return to center	2 NO	Black	XB5A063N	510
	3 Position spring return, left to center	2 NO	Black	XB5A073N	501
	3 Position spring return, right to center	2 NO	Black	XB5A083N	510
Long Handle	2 Position stay put	1 NO	Black	XB5A021N	499
	3 Position stay put	2 NO	Black	XB5A031N	533
	3 Spring return to center	2 NO	Black	XB5A061N	519
Key Switch	2 Position stay put L, Key release	1 NO	Black	XB5AC01N	678
	2 Position stay put R, Key release	1 NO	Black	XB5AC11N	724
	2 Position spring return, right to left, L	1 NO	Black	XB5AC31N	1286
	3 Position stay put, All pos Key release	2 NO	Black	XB5AC03N	576
	3 Position stay put, Center Key release	2 NO	Black	XB5AC13N	726
	3 Position stay put, R, L Key release	2 NO	Black	XB5AC53N	804

Description	Supply Voltage	Contacts	Color	Reference	Unit Price [€]
Illuminated Selector Switch-Complete					
2 Position Stay put	24 VAC/DC	1 NO	White	XB5AK12011N	376
		1 NO	Green	XB5AK12031N	461
		1 NC	Red	XB5AK12012N	461
		1 NO	Yellow	XB5AK12011N	461
2 Position Spring Return	24 VAC/DC	1 NO	Green	XB5AK11031N	1487
		1 NO	White	XB5AK121M1N	949
2 Position Stay put	230V AC	1 NO	Green	XB5AK120M1N	467
		1 NC	Red	XB5AK121M0N	467
		1 NO	Yellow	XB5AK120M1N	545
2 Position Spring Return	230V AC	1 NC	Red	XB5AK140M2N	1943
3 Position Stay put	24 VAC/DC	2 NO	Green	XB5AK13033N	736
		1 NO + 1 NC	Red	XB5AK13012N	805
3 Position Spring Return	24 VAC/DC	2 NO	White	XB5AK15033N	963
		2 NO	Green	XB5AK15033N	997
		1 NO + 1 NC	Red	XB5AK15012N	1289
		2 NO	Yellow	XB5AK15013N	1290
3 Position Stay put	230 VAC	2 NO	Green	XB5AK130M3N	1000
		1 NO + 1 NC	Red	XB5AK130M2N	885
		2 NO	Yellow	XB5AK130M3N	1029
		2 NO	White	XB5AK151M3N	966
3 Position Spring Return	230 VAC	2 NO	Green	XB5AK150M3N	997
		2 NO	Yellow	XB5AK150M3N	1290
		2 NO	White	XB5AK150M3N	1290

Please contact Customer care center for Stockable and Non stockable status of references.

44 M8MM2 STOCK ITEMS

WEF, January 30th, 2023

Mushroom Pushbutton

Description	Dia. of Head	Type of Contact	Colour	Reference	Unit MRP (₹)
Mushroom Head Pushbuttons					
Spring return	40	1 NO	Black	XB5AC21N	375
		1 NO	Green	XB5AC31N	380
		1 NC	Red	XB5ACX2N	380
	60	1 NO	Green	XB5A131N	485
Emergency Switching Off Mushroom Head push button					
turn to release	50	1 NC	Red	XB5AS42N	342
	40	1 NC	Red	XB5AS142N	342
Key release (1155)	40	1 NC	Red	XB5AS142N	674
trigger action turn to release	40	1 NO+ 1 NC	Red	XB5AS9145N	604
trigger action key to release	40	1 NO+ 1 NC	Red	XB5AS9145N	709

Illuminated Pushbutton with yellow LED

Description	Supply Voltage	Type of Contact	Color	Reference	Unit MRP (₹)
Double Headed Pushbuttons (Spring return)					
1 flush push (marked "T") 1 pilot light 1 projecting push (marked "O")	24V AC/DC	NO+NC	Green+Red	XB5AW1101N	1261
	230V AC	NO+NC	Green+Red	XB5AW8146N	1261
Illuminated Emergency Switching Off Pushbutton (Mushroom head)					
turn to release	24V AC/DC	NC	Red	XB5AW2101N	1080
	230V AC	NC	Red	XB5AW2147N	1190

Accessories

Description	Marking on Yellow background	Color	Reference	Unit MRP (₹)
Double Headed Pushbuttons (Spring return)				
Circular Legends for Emergency stop function	Emergency Stop	Yellow	ZBY000N	136

Description	Contact Type	Reference	Unit MRP (₹)
Contact blocks with screw clamp terminal connections			
Single contact block	1 NO	ZBE 101N	106
Single contact block	1 NC	ZBE 102N	106

Description	Reference	Unit MRP (₹)
Contact blocks with screw clamp terminal connections		
Box for cylindrical flush PE	Z119N	73

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 Price [€]
Metal flush mounting kit (PB and PL)	ZB467021	1157
Metal flush mounting kit (SS and RB)	ZB467022	1217
Plastic flush mounting kit (PB and PL)	ZB5A7021	1010

Description	Reference	Unit Price [€]
HeadB72 mounting base - potentiometer/K7	XB4039170MK7	On Request
HeadB72 mounting base - potentiometer/K7	XB5A39170MK7	On Request
100...240VAC 10A 50/60Hz 20mm diameter non function with 3s. delay	XB5770M3	On Request
Panel mounted USB port 472mm for USB interface jack type A	XB5A125R1	On Request
Panel mounted USB port 472mm for Ethernet connection XB5P145	XB5A145	On Request
Red emergency stop 11840mm 2NC 1NO mono XB5ASB449	XB5ASB449	On Request
Red laser stop 11840mm 2NC 1NO mono XB5ASB449B4	XB5ASB449B4	On Request



Easy Harmony XB2

Just enough robust switch with added strength

Reliable, flexible and just enough



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

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

Target Segments

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

Ø 22 mm metal modular push buttons and switches

Fit for purpose

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

Robustness

- Metal bezels with metal fixing collars for impact endurance
- Excellent resistance to mechanical shocks and vibrations
- Metal screws for secure fix and grounding contact to the panel
- Conforming to CE, CCC and RoHS
- Tested and certified performance
- IP65
- Supports an operating temperature range from -25°C to +75°C

Easiness

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

Availability

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

Type of functions	Contact functions	Contact and signaling functions	Signaling functions			
Type of products	Pushbuttons	Emergency switching off and emergency stop pushbuttons	Selector and key switches	Special functions	Illuminated pushbuttons	Pilot lights



Description of range	Pushbuttons, spring return; flush push, mushroom head, projecting or booted	Emergency switching off and stop pushbuttons; turn to release and push/pull	Selector switches, 2- or 3-position; standard or long handle or key switches	Joystick and lever	Illuminated pushbuttons with integral LED; spring return; flush push or projecting	Pilot lights with integral LED
Type references	XD2BA...C/BC...C BE...C/BE...C/BE...C (Complete) XD2BA...C BC...C/BE...C/BE...C BRC (Head)	XD2HS...C/BE...C (Complete) /E22HC...C/BTC (Head)	XD2HD...C/BE...C/ BC...C (Complete) /E22DC...C/BJC/ BDC (Head)	XD2FA... CH (Joystick) XD2FS...C (Lever)	XD2VWD...IC (Complete) /E22VW...C (Head)	XD2V...IC

Push Button 

Description	Color	Reference	Unit MRP (€)
Spring Return Pushbutton Head			
Flush unmarked	White	ZB2WA1C	128
	Black	ZB2WA2C	128
	Green	ZB2WA3C	128
	Red	ZB2WA4C	128
	Yellow	ZB2WA5C	128
	Blue	ZB2WA6C	128
60 mm Mushroom Pushbutton Head, spring return	Red	ZB2BH4C	698

Emergency Stop Pushbutton

Description	Color	Reference	Unit MRP (€)
Mushroom Push button Head			
60 mm Turn to release	Red	ZB2E14C	515
30 mm Turn to release	Red	ZB2E34C	262
40 mm Turn to release	Red	ZB2E54C	262
60 mm Turn to release	Red	ZB2E94C	515

Illuminated Pushbutton

Description	Color	Reference	Unit MRP (€)
Spring Return Illuminated Pushbutton Head with 1 NO contact			
Flush unmarked	White	ZB2WA31C	231
	Green	ZB2WA33C	231
	Red	ZB2WA34C	231
	Yellow	ZB2WA35C	231
	Blue	ZB2WA36C	231
Illuminated Pushbutton Body			
24 V AC/DC with integral LED	White	ZB2W111C	450
	Green	ZB2W131C	450
	Red	ZB2W141C	450
	Yellow	ZB2W151C	450
	Blue	ZB2W161C	553
220V AC with integral LED	White	ZB2W1M11C	450
	Green	ZB2W1M31C	450
	Red	ZB2W1M41C	450
	Yellow	ZB2W1M51C	450
	Blue	ZB2W1M61C	553

Selector Switch

Description	Color	Reference	Unit MRP (€)
Selector Switch Head with standard handle			
2 Position stay put	Black	ZB2BD2C	280
2 Position spring return, right to left	Black	ZB2BD4C	280
3 Position stay put	Black	ZB2BD3C	320
3 Position spring return to center	Black	ZB2BD5C	320
3 Position spring return, left to center	Black	ZB2BD7C	320
Selector Switch Head with Key Switch			
2 Position stay put	Black	ZB2K22C	450
2 Position stay put	Black	ZB2K24C	450
2 Position spring return, right to left	Black	ZB2K26C	450
3 Position stay put	Black	ZB2K32C	515
3 Position spring return to center	Black	ZB2K34C	515
3 Position spring return, left to center	Black	ZB2K36C	515

Body Assemblies

Description	Contact type	Reference	Unit MRP (€)
Body assemblies with contact block			
	1 NO	ZB2B/101C	116
	1 NC	ZB2B/102C	116
	2 NO	ZB2B/103C	231
	2 NC	ZB2B/104C	231
	1 NO + 1 NC	ZB2B/105C	231
	Contact block		
	1 NO	ZB2B/101C	100
	1 NC	ZB2B/102C	100

Universal Light Blocks for LED Pilot light

Description	Supply Voltage	Colour	Reference	Unit MRP (€)
For XAL Metal Enclosures	24V AC/DC	White	ZALV01	760
	220V AC	White	ZALVM1	2276
For XIB/XIB1 references without orid with "N"	24V AC/DC	White	ZIBV01	836
	120V AC	White	ZIBV01	1417
	220V AC	White	ZIBVM1	1460

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

Description	No of Cut out	Color of Enclosure	Reference	Unit MRP (€)
For normal environment Light (grey base IP65)	1	Dark grey	XAL001	761
	2	Dark grey	XAL002	921
	3	Dark grey	XAL003	1166
	4	Dark grey	XAL004	1509
	6	Dark grey	XAL006	2060
For normal environment Light Grey base IP54	1	Yellow	XAL011	863
	2	Light Grey	XAL112	618
	3	Light Grey	XAL113	755

XAL - Empty enclosures for use with XB2 (ZB2*)

Description	No of Cut out	Color of Enclosure	Reference	Unit MRP (€)
Plastic empty control station (light grey cover)	1	Dark Grey base	XALB01C	On Request
Plastic empty control station (for mounting XZPSM1C) yellow cover	1	Dark Grey base	XALB01YC	
Plastic empty control station (light grey cover)	2	Dark Grey base	XALB02C	
Plastic empty control station (light grey cover)	3	Dark Grey base	XALB03C	
Plastic control station with 1 Emergency stop push button (yellow cover)	1	Dark Grey base	XALB01C	

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

Description	Contacts Type and Composition	Reference	Unit MRP (€)
Standard single	1 NO	Z5NL1111 B	426
Contact block	1 NC	Z5NL1121 B	



Buzzers from XB2 Series:

Description	Reference	Unit MRP (€)
Red illuminated buzzer DC/AC24V	XZPSM1C	On Request
Red illuminated buzzer AC220V	XZPSM11C	
Buzzer 24V AC/DC	XZPSM1C	
Buzzer 220V AC	XZPSM11C	

XVB-C Illuminated Lens Units

Description	Color	Reference	Unit MRP [€]
Lens unit - steady light - 24 V 10 W	Green	XVBC23	3076
	Red	XVBC24	3150
	Orange	XVBC25	3150
	Blue	XVBC26	3076
	Clear	XVBC27	3076
Lens unit - flashing light - 24-48 V DC - 24 V AC	Yellow	XVBC28	3076
	Red	XVBC404	6400
Lens unit - flashing light - 48-230 V AC	Red	XVBC4M4	8033
	Orange	XVBC4M5	8033
Lens unit - steady light - 24 V AC DC	Green	XVBC7E3	6811
	Red	XVBC7E4	6811
	Orange	XVBC7E5	6811
	Blue	XVBC7E6	6795
	Clear	XVBC7E7	6795
Lens unit - steady light - 120 V AC	Yellow	XVBC7E8	6815
	Green	XVBC2G3	6675
	Red	XVBC2G4	6695
	Orange	XVBC2G5	6695
	Blue	XVBC2G6	6416
Lens unit - steady light - 230 V AC	Yellow	XVBC2G8	6577
	Green	XVBC2M3	6680
	Red	XVBC2M4	6680
	Orange	XVBC2M5	6680
	Blue	XVBC2M6	6264
Lens unit - flashing light - 24 V AC DC	Yellow	XVBC2M8	7777
	Green	XVBC5E3	12000
	Red	XVBC5E4	11625
	Orange	XVBC5E5	11753
	Blue	XVBC5E6	14666
Lens unit - flashing light - 230 V AC	Clear	XVBC5E7	9657
	Yellow	XVBC5E8	11528
	Red	XVBC5M4	11521
	Blue	XVBC5M5	14625

XVB Units

Description	Reference	Unit MRP [€]
XVB Audible Signalling Unit		
Sound unit - continuous or intermittent buzzer - 75-90 dB - 12-48 V AC DC	XVBC9B	9480
Sound unit - continuous or intermittent buzzer - 75-90 dB - 120-230 V AC	XVBC9M	15958
XVB Base Unit + Cover		
Base unit + cover for bank XVB - without flash discharge tube - black - IP 65	XVBC21	8280
XVB Accessories		
Set of coloured indicator pins - 6 colors - XVB	XVBC22	488
Support tube + fixing base l - 400 mm - aluminium black - XVB	XVB200	3574
Support tube + fixing base l - 80 mm - aluminium black - XVB	XVB202	2701
Support tube + fixing base l - 500 mm - aluminium black - XVB	XVB204	5330
XVB Incandescent Bulb		
Clear incandescent bulb for signalling - BA 15d - 24 V 10 W	DL16L1E	381
Clear incandescent bulb for signalling - BA 15d - 120 V 10 W	DL16L1C	650
Clear incandescent bulb for signalling - BA 15d - 230 V 10 W	DL16LM	414

XVB LED BA 15d Base Fitting

[Us] Rated Supply Voltage	Signalling Colour	Reference	Unit MRP [€]
24 V AC/DC	White	DL16L3E1	5296
	Green	DL16L3E3	4092
	Red	DL16L3E4	4092
	Blue	DL16L3E6	4623
	Yellow/Orange	DL16L3E8	4790
120 V AC	White	DL16L3C1	6138
	Yellow	DL16L3C6	5000
	Orange		



- Motor less - LED Flashing
- External Buzzer volume adjuster (0 dB to 90 dB)
- Straight & Side wiring- more flexible

XVR3 Multifunctional LED Beacon

Description	Reference	Unit MRP* (€)
Multi functional LED Beacon green without buzzer DC/AC 12-24V	XVRC003	14681
Multi functional LED Beacon red without buzzer DC/AC 12-24V	XVRC004	14686
Multi functional LED Beacon orange without buzzer DC/AC 12-24V	XVRC005	14708
Multi functional LED Beacon green without buzzer AC 100-230V	XVRCM03	14321
Multi functional LED Beacon red without buzzer AC 100-230V	XVRCM04	14331
Multi functional LED Beacon Orange without buzzer AC 100-230V	XVRCM05	14368
Multi functional LED Beacon red with buzzer DC/AC 12-24V	XVR0005	28754
Multi functional LED Beacon orange with buzzer DC/AC 12-24V	XVR0005S	29600
Multi functional LED Beacon green with buzzer AC 100-230V	XVRCM015	15890
Multi functional LED Beacon red with buzzer AC 100-230V	XVRCM045	13185
Multi functional LED Beacon orange with buzzer AC 100-230V	XVRCM055	14154
Multi functional LED Beacon blue with buzzer AC 100-230V	XVRCM065	15595

XVS Sirens

Description	Reference	Unit MRP* (€)
7 tones siren - 106 dB - 12-24V AC/DC - white	XVS100MW	26400
7 tones siren - 106 dB - 120V AC - white	XVS100AW	
7 tones siren - 106 dB - 230V AC - white	XVS100MW	

DL1 Incandescent Bulb

Description	Light Block Colour	Reference	Unit MRP* (€)
Clear incandescent bulb for signalling - ba 15d - 24 v 4 w		DL100105	352
Clear incandescent bulb for signalling - ba 15d - 120 v 7 w		DL100103	380
Clear incandescent bulb for signalling - ba 15d - 230 v 5 w		DL100105	390

XVR Rotating Mirror Beacon

Description	Light Block Colour	Reference	Unit MRP* (€)
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 24 V AC DC	Red	XVR130004	16000
	Orange	XVR130005	16200
Rotating mirror beacon w/o buzzer XVR - Ø 120 - 24 V AC DC	Blue	XVR120006	20710
Rotating mirror beacon w/ buzzer XVR - Ø 130 - 120 V AC	Red	XVR130010	18914
	Red	XVR130011	20131
Rotating mirror beacon w/ buzzer XVR - Ø 130 - 230 V AC	Orange	XVR130012	18700

XVM Series

Description	Reference	Unit MRP (€)
Base and Cover	XVMC21	900
Tube and Base	XVMC7137	1790
Base with Buzzer 24V	XVMC21B	2663
Base with Buzzer 230V	XVMC21M	2800
Green Lens	XVMC33	907
Red Lens	XVMC34	907
White Lens	XVMC35	907
Blue Lens	XVMC36	907
Clear Lens	XVMC37	907
110mm Aluminium Tube with Stand	XVM717	817
110mm Aluminium Tube with Bracket	XVM7171	991
400mm Aluminium Tube with Stand	XVM718	1270
Incandescent Bulb 24 V	DL1E08S	260
White Led Bulb 24 V	DL2E10B15S	1294
Green Led Bulb 24 V	DL2E10G35S	1294
Red Led Bulb 24 V	DL2E10R45S	1294
Blue Led Bulb 24 V	DL2E10B65S	1406
Orange Led Bulb 24 V	DL2E10O5S	1267

XVM Series

Description	Reference	Unit MRP (€)
Blue Flashing Led Bulb 24 V	DL2E10B6SB	1890

Breakdown of the reference for a complete indicator bank

		XVM				4 units				
Voltage	AC/DC 24 V									
	AC 110 V	B								
	AC 230 V	G								
Light source (2)	Incandescent bulb									
	LED	1								
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 vivid in all kinds of ambient

Easy Harmony XVG Monolithic tower light

When Simple is just enough without compromise in quality.

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

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

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

Pre-wired and pre-assembled simplify selection, engineering and inventory management
Easy colored code wire with respect to function ease installation and maintenance work.

Simple yet complete signaling applications

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





Offer overview

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

Voltage	Colors	Light Pattern	Mounting Type	Without Buzzer	Buzzer
24VDC/AC	Red	Steady	100mm pole with L-bracket 100mm pole with foldable bracket	XVG21A XVG21MA	XVG21SA XVG21SMA
		Flashing	100mm pole with L-bracket 100mm pole with foldable bracket		XVG21SA XVG21SMA
220-240V AC		Steady	100mm pole with L-bracket 100mm pole with foldable bracket	XVG11A XVG11MA	XVG11SA XVG11SMA
		Flashing	100mm pole with L-bracket 100mm pole with foldable bracket		XVG11SA XVG11SMA



Voltage	Colors	Light Pattern	Mounting Type	Without Buzzer	Buzzer
24VDC/AC	2 layers: Red/Green 3 layers: Red/Orange/Green 4 layers: Red/Orange/Green/Blue	Steady	Base Mount Direct Air tube Air tube and L-bracket Air tube and fixing plate Air tube and foldable bracket	XVG1*W XVG1*H XVG1* XVG1*L XVG1*M	XVG1*SW XVG1*SH XVG1*S XVG1*SL XVG1*SM
	2 layers: Red/Green 3 layers: Red/Orange/Green		Base Mount Direct Air tube Air tube and L-bracket Air tube and fixing plate Air tube and foldable bracket	XVG1*W XVG1*H XVG1* XVG1*L XVG1*M	XVG1*SW XVG1*SH XVG1*S XVG1*SL XVG1*SM



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



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

Description	Reference	Unit Price [€]
With aluminium tube mounting and L-bracket		
Without Buzzer		
2-Stage Red, Green	XVGB2	3000
3-Stage Red, Amber, Green	XVGB3	4089
4-Stage Red, Amber, Green, Blue	XVGB4	5212
With Buzzer		
2-Stage Red, Green	XVGB25	4096
3-Stage Red, Amber, Green	XVGB35	4541
4-Stage Red, Amber, Green, Blue	XVGB45	4919
With direct aluminium tube mounting		
Without Buzzer		
2-Stage Red, Green	XVGB21	3219
3-Stage Red, Amber, Green	XVGB31	4321
With Buzzer		
3-Stage Red, Amber, Green	XVGB351	4680
Without Buzzer		
2-Stage Red, Green	XVGB211	3309
3-Stage Red, Amber, Green	XVGB311	4132
4-Stage Red, Amber, Green, Blue	XVGB411	5411
With Buzzer		
2-Stage Red, Green	XVGB251	4412
3-Stage Red, Amber, Green	XVGB351	4756
4-Stage Red, Amber, Green, Blue	XVGB451	5021
With aluminium tube mounting and foldable bracket		
Without Buzzer		
2-Stage Red, Green	XVGB2M	4132
3-Stage Red, Amber, Green	XVGB3M	4525
With Buzzer		
2-Stage Red, Green	XVGB25M	4486
3-Stage Red, Amber, Green	XVGB35M	4912
4-Stage Red, Amber, Green, Blue	XVGB45M	6263
With base mounting - Direct		
Without Buzzer		
2-Stage Red, Green	XVGB2W	2302
3-Stage Red, Amber, Green	XVGB3W	3001
With Buzzer		
2-Stage Red, Green	XVGB25W	3569
3-Stage Red, Amber, Green	XVGB35W	4480
4-Stage Red, Amber, Green, Blue	XVGB45W	5264
XVG-USB Based Towerlights :		
Pre-assembled and pre-cabled Multicolor USB tower light 60mm Ø/Ø2 Direct base mounting	XVCL05SW	9219
Pre-assembled and pre-cabled Multicolor USB tower light 60mm Ø/Ø2 With 100 mm aluminium tube mounting	XVCL05HW	10564

Please contact Customer care center for Stockable and Non stockable status of references.

44 NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

Tower light, Ø 60 mm, Pre-assembled, PreCabled, Monolithic, Economical Version, XVGM-Series with LED for steady light - 220..240 VAC

Description	Reference	Unit Price (€)
With aluminium tube mounting and L-bracket		
Without Buzzer		
2-Stage Red, Green	XVGM2	3815
3-Stage Red, Amber, Green	XVGM3	4317
With Buzzer		
2-Stage Red, Green	XVGM2S	4330
3-Stage Red, Amber, Green	XVGM3S	4912
With direct aluminium tube mounting		
Without Buzzer		
2-Stage Red, Green	XVGM2I	2931
3-Stage Red, Amber, Green	XVGM3I	4783
With Buzzer		
2-Stage Red, Green	XVGM2SI	4815
3-Stage Red, Amber, Green	XVGM3SI	4946
With aluminium tube mounting and fixing plate		
Without Buzzer		
2-Stage Red, Green	XVGM2H	3815
3-Stage Red, Amber, Green	XVGM3H	4363
With Buzzer		
2-Stage Red, Green	XVGM2SH	4695
3-Stage Red, Amber, Green	XVGM3SH	5028
With aluminium tube mounting and foldable bracket		
Without Buzzer		
2-Stage Red, Green	XVGM2M	4374
3-Stage Red, Amber, Green	XVGM3M	4783
With Buzzer		
2-Stage Red, Green	XVGM2SM	4735
3-Stage Red, Amber, Green	XVGM3SM	5101
With Buzzer LED Flashing light		
1-Stage Red	XVGM1SMFA	4263
With base mounting - Direct		
Without Buzzer		
2-Stage Red, Green	XVGM2W	3521
3-Stage Red, Amber, Green	XVGM3W	4200
With Buzzer		
2-Stage Red, Green	XVGM2SW	4700
3-Stage Red, Amber, Green	XVGM3SW	4758

Discontinued

Available



XAPD*6* + ZB4FBZ014



XB4F + XB5F
Flash compatible

1. Optimized features and performances



XAPM* = Pg
XAPM*H29 = ISO metric



XAPD* = ISO metric



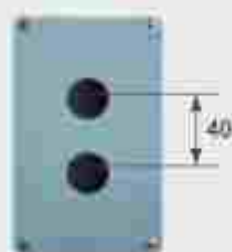
XAPG = Pg & 3/4 NPT



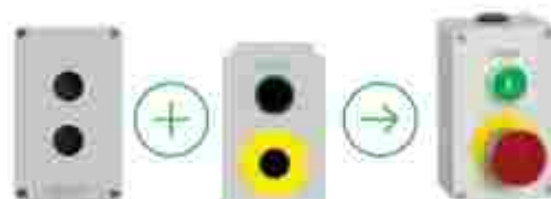
XAPG* = 3/4 NPT



2. Compatible with our complete offer of products and accessories



3. Friendly customization with configurable legend panels



Please contact Customer care center for Stockable and Non stockable status of references.

MEIRING STOCK ITEMS

WEF January 30th 2023

Substitution table

Existing references	Substitution
XAP111 XAP111H29	XAP111
XAP1201 XAP1201H29	XAP1201
XAP14 XAP14H29	XAP14
XAP1501 XAP1501H29	XAP1501
XAP111 XAP111H29	XAP111
XAP1201 XAP1201H2 XAP1201H29 XAP1201H6 XAP1201H7	XAP1201
XAP1202 XAP1202H2 XAP1202H29	XAP1202
XAP14 XAP14H2 XAP14H29	XAP14
XAP1501 XAP1501H2 XAP1501H29	XAP1501
XAP1502 XAP1502H2 XAP1502H29	XAP1502
XAP1601 XAP1601H2 XAP1601H29	XAP1601
XAP21 XAP21H29	XAP21
XAP2202 XAP2202H2 XAP2202H29	XAP2202
XAP2203 XAP2203H2 XAP2203H29	XAP2203
XAP2204 XAP2204H2 XAP2204H29	XAP2204

Existing references	Substitution
XAP204 XAP204H29	XAP204
XAP2502 XAP2502H2 XAP2502H29	XAP2502
XAP2503 XAP2503H2 XAP2503H29	XAP2503
XAP2504 XAP2504H29	XAP2504
XAP2507 XAP2507H2 XAP2507H29	XAP2507
XAP31 XAP31H29	XAP31
XAP3003 XAP3003H2 XAP3003H29 XAP3003H6	XAP3003
XAP3004 XAP3004H2 XAP3004H29 XAP3004H6	XAP3004
XAP3006 XAP3006H2 XAP3006H29	XAP3006
XAP34 XAP34H2 XAP34H29	XAP34
XAP3501 XAP3501H2 XAP3501H29	XAP3501
XAP3504 XAP3504H2 XAP3504H29	XAP3504
XAP3506 XAP3506H2 XAP3506H29	XAP3506
XAP3601 XAP3601H2 XAP3601H29	XAP3601

Please contact Customer care center for Stockable and Non-stockable status of references.

[SEE NORMAL STOCK ITEMS](#)

WE1 January 30th, 2023

Substitution table

Existing references	Substitution
XAPM4 XAPM402 XAPM409	XAPM4
XAPM404 XAPM40402	XAPM404
XAPM405	XAPM405
XAPM406 XAPM40602 XAPM40609	XAPM406
XAPM408 XAPM40802 XAPM40809	XAPM408
XAPM404 XAPM40402 XAPM40409	XAPM404
XAPM41 XAPM4109	XAPM41
XAPM408 XAPM40809	XAPM408
XAPM412	XAPM412
XAPM41209	XAPM412
XAPM406 XAPM40609	XAPM406
XAPM1201 XAPM120109	XAPM1201
XAPM1501	XAPM1501
XAPM1601	XAPM1601

Existing references	Substitution
XAP111	XAP111
XAP1201	XAP1201
XAP1202	XAP1202
XAP14	XAP14
XAP1501	XAP1501
XAP1502	XAP1502
XAP1601	XAP1601
XAP1702	XAP1702
XAP1203	XAP1203
XAP121	XAP121
XAP1502	XAP1502
XAP1504	XAP1504
XAP131	XAP131
XAP1303	XAP1303
XAP134	XAP134
XAP1501	XAP1501
XAP1504	XAP1504
XAP1306	XAP1306
XAP1307	XAP1307
XAP1307	XAP1307
XAP14	XAP14
XAP1506	XAP1506
XAP1508	XAP1508
XAP1604	XAP1604

Please contact Customer care center for Stockable and Non stockable status of references.

MEBIM2 STOCK ITEMS

W.E.F. January 30th, 2023



Optical Sensors

- XUB M18 Body
- 100mA (with overload and short circuit protection)

Principle of operation	Sensing Distance	Output	Reference	Unit MRP (€)
Diffuse	0.6 m	PNP NO	XUB5A/PNM12 ¹ ²	4091
		PNP NC	XUB5B/PNM12 (Metal) ¹ ²	4217
		PNP NO	XUB5A/PN12 ² ³	4658
		PNP NC	XUB5B/PN12 ² ³	4667
Polarized reflex	2m	PNP NO	XUB9A/PNM12 ¹ ²	4241
		PNP NC	XUB9B/PNM12 ¹ ²	4178
		PNP NO	XUB9A/PN12 ²	4681
Fixed Diffuse	100 mm	PNP NO	XUB5A/PN12 ²	4515
			XUB5B/PNM12 ²	4515
			XUB5B/PNM12 (Metal)	4614
Reflex	4 m	PNP NO	XUB1A/PN12 ² (Without Reflector) ⁴	4515
			XUB1A/PNM12 ²	4515
		PNP NC	XUB1B/PNM12 (Metal)	4173
			XUB1A/PN12 ² (Without Reflector) ⁴	4515
Receiver/Thru Beam	15 m	PNP NO	XUB2A/PN12R	4002
			XUB2AKSN12I	4006
			XUB2AKSN12I (Metal)	4728
Receiver/Thru Beam	15 m	PNP NC	XUB2IKSNM12I (Metal)	3489
Receiver/Thru Beam		PNP NC	XUB2A/PNM12R	4002
Transmitter/Thru Beam	15m	PNP NC	XUB2B/PNM12R (Metal)	4386
			XUB2AKSN12I	4006

Note:
 1. 12 stands for sensors with 2m cable
 4. M12 stand for universal connectors.

Principle of operation	Sensing range	Connection	Reference	Unit MRP (€)
Cylindrical M18				
Multi Mode	> 0...20 m	Cable 2 m	XUB5A/PN12 ²	3891
Multi Mode	> 0...20 m	Connector	XUB5A/PNM12	4130
Multi Mode	> 0...20 m	Connector	XUB5B/PNM12 (Metal)	4257

Principle of operation	Sensing Distance	Output	Reference	Unit MRP (€)
Compact 50 x 50 mm				
Reflex	7 m	AC/DC 1CO Relay	XUK1A/RCN12	8713
Diffuse	1 m	AC/DC 1CO Relay	XUK5A/RCN12	8713
Reflex polarized	5 m	AC/DC 1CO Relay	XUK5A/RCN12	8666
Multimode	30 m	PNP/NPN NO/NC	XUK0AKSA12	11707
Multimode	30 m	AC/DC 1CO Relay	XUK0ARC113	13442
Compact 92 x 71 mm				
Diffuse	2,1 m	AC/DC 1CO relay	XUB5A/RCN116	11724
Reflex Polarized	11 m	AC/DC 1CO relay	XUB5A/RCN116	11906
Reflex	14 m	AC/DC 1CO relay	XUB1A/RCN116	9611
Thru Beam transmitter		AC/DC	XUB5ARC1116I	5282
Multimode	1.2 m...40 m	PNP/NPN NO/NC	XUB0AKSA116	17425
Multimode	1,2 m...40 m	AC/DC 1CO relay	XUB0ARC1116	15046

⁴Reflector to be ordered separately

Press contact Customer care center for Stockable and Non stockable status of references.

85 NORMAL STOCK ITEMS

WE1 January 30th, 2025

XUK Colour Sensors



- Supply voltage 10...30 VDC
- Teach Button Sensitivity Adjustment
- 3 Wtb
- IP 65

Principle of operation	Sensing Distance	Output	Reference	Unit MRP* [€]
Multi Mode	> 0...10 m	Cable 2 m	XUIM0A2SA12	9000
Principle of operation	Sensing Distance	Output	Reference	Unit MRP* [€]
Diffuse contrast sensor	10 mm	PNP NO	XUKH1PSMM12	19817

Fixing Bracket

Description	Reference	Unit MRP* [€]
For XU0	XUZA11B	10x0
For XUK	XUGA51	9x0

Reflector (mm)

Description	Reference	Unit MRP* [€]
24 x 24	XUJC24	1330
50 x 50	XUJC50 gs	1764
80 (dia)	XUJC80 gs	2006
100 x 100	XUJC100 gs	1956

Osisense XU



DN [mm]	Light Mode	Output	Connection	Reference	Unit MRP [€]
Fork Sensor					
30mm	Red LED	PNP(NC)	2m Cable	XUJVD0030W12	9596
50mm	Red LED	PNP(NC)	M8 Connector	XUJVD050HW1M8	10004

Fiber Design Amplifier



- 3 Wire DC, Invert Mode

Depending on fiber		PNP(NC) programmable	2M Cable	XUJW015M12 [a]	On Request
--------------------	--	----------------------	----------	--------------------------------	----------------------------

XU.8 Background Suppresion

DN [m]	Body Type	Output	Connection	Reference	Unit MRP [€]
1m	Compact 50x50	PNP(NC) programmable	2m Cable	XUJGAKSN12	9596
1m	Compact 50x50	PNP(NC) programmable	M12 Connector	XUJGAKSNM12 [a]	10800
0.3m	Minimum	PNP(NC) programmable	2m Cable	XUJMAPCN12	9596

Electromechanical Pressure Switches



Description	Pressure Range	Reference	Unit MRP (€)
Electromechanical pressure switches for control circuit			
<ul style="list-style-type: none"> • Suitable for air, fresh water, sea water • Adjustable differential • 1 C/O single pole contact • G 1/4 (BSPP female) fluid connection • Mechanical durability - 1 x 10⁸ operating cycles 			
Setting screw external	1.6 bar	XMAV002135	5184
Adjustable range of rising pressure	1.3-12 bar	XMAV1212135	6420
	1.5-25 bar	XMAV2512135	5184
Electromechanical pressure switches for power circuits			
<ul style="list-style-type: none"> • Suitable for fresh water & sea water • Adjustable differential • 2 pole 2 N/C contact • Degree of protection - IP20 • G 1/4 (BSPP female) fluid connection 			
Adjustable range of rising pressure 1.4 - 4.6 bar		FSC2	1915
Electromechanical pressure switches (Nautika)			
<ul style="list-style-type: none"> • Conforming to IEC/EN 60947-5-1 • 1 C/O single pole contact (4 terminal) snap action with setting screw 			
Fixed differential			
0.4 to 4 bar		XMI A004A2511	10907
0.7 to 20 bar		XMI A007A2511	10337
1.5 to 35 bar		XMI A015A2511	9436
5 to 70 bar		XMI A005A2511	10380
Adjustable differential			
0.25 to 4 bar		XMI A004A2511	15261
1.3 to 20 bar		XMI B013A2511	15261
3.5 to 35 bar		XMI A003A2511	22217
7 to 70 bar		XMI B070A2511	10374

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 43640	XMLP010BC211	11910
0 to 400 bar	4-20mA	DIN 43640	XMLP400BC211	11910
0 to 400 bar	0-10V	M12	XMLP400V211	10550

Note: 10, 16, 25, 40, 60, 100, 250, 400 and 600, bar version available in stock.

XCKD Limit Switches



- Metal body
- Conforming to IEC60947-5-1, EN60947-5-1, UL, cUL, 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		XCKD2102C11	2248
Cat's whisker - 1 NC + 1 NO		XCKD2106C11	2623
Steel rod plunger - 1 NC + 1 NO		XCKD2110C11	2007
Thermoplastic roller lever - 1 NC + 1 NO		XCKD2118C11	2146
Thermoplastic roller lever plunger horizontal direction - 1 NC + 1 NO		XCKD2121C11	2611
Thermoplastic adjustable roller lever - 1 NC + 1 NO		XCKD2146C11	2346
Sub-assemblies Metal Bodies for XCKD			
Body ZCD 1 NC + 1 NO Snap Action	2	ZCD21	2883
Body ZCD 2 NC + 1 NO Snap Action	3	ZCD38	3311
Gland and Head for ZCD Bodies			
Cable gland entry (Fig 11) - metal body		ZCDG11	306
Head for Limit switch - ZCD, without operating lever		ZCD01	142
Steel roller plunger		ZCD07	983
Cat's whisker		ZCD06	1319
Steel rod plunger		ZCD10	192
Thermoplastic roller lever plunger horizontal direction		ZCD21	1251
Thermoplastic roller lever ZCY		ZCY18*	312
Steel roller lever ZCY		ZCY18*	836
Variable length thermoplastic roller lever		ZCY46*	1096
*to be used with head ZCD01			
Contact block for ZCD bodies			
1NO + 1NC	2	XE2SP2151	802
1NO + 2NC	3	XE3SP2141	1279

XCK-M Limit Switches



- 1 NO + 1 NC with positive opening operation
- Heavy duty oil-tight to IP66b
- Up to 20 million operations

Description	Reference	Unit MRP (€)
Body		
Body - 1 NC + 1 NO - terminals	ZCKM1	2041
Spares contacts	XE2SP2151	802
For ordering complete limit switches, please select body and head listed above		
Head		
Head - steel roller plunger	ZCKD07	1657
Head - cat's whisker	ZCKD06	1163
Head - spring rod lever	ZCKD08	1190
Head - steel rod plunger	ZCKD10	616
Dekin roller lever fixed	ZCKD11	1729
Dekin roller lever plunger head	ZCKD21	1190
Steel roller lever plunger fixed	ZCKD22	1609
Variable length Dekin roller lever	ZCKD41	1463

Please contact Customer care center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

WE1 January 30th, 2025

XCK-P Thermoplastic



Conforming to IEC 617-5-1
 Degree of Protection: IP 653
 Double insulated
 Class II conforming to IEC 529
 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 [E]	159
Cat's whisker - 1 NC + 1 NO	XCKP2106G11 [E]	2416
Steel end plunger - 1 NC + 1 NO	XCKP2110G11 [E]	136
Delrin roller lever (1)	XCKP2118G11 [E]	136
Delrin roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKP2125G11 [E]	1639
Delrin roller lever plunger, vertical direction - 1 NC + 1 NO	XCKP2127G11 [E]	2577
Adjustable roller lever - 1 NC + 1 NO (1) (Variable length)	XCKP2145G11 [E]	1616
Spare contact block	XZ5P2151 [E]	802

Note: 1 tipped entry for size 11 cable gland
 (1) Adjustable through 360° in 5 steps

XCMD Metal, compact



Conforming to IEC 617-5-1
 IP67 conforming to IEC 529
 Pre-cabled, 5 x 0.75 mm²
 Single pole 1 C/O contact, snap action

Description	Reference	Unit MRP* [€]
Steel roller plunger	XCMD210211 [E]	375
Metal end plunger	XCMD211011 [E]	3191
Thermoplastic roller lever	XCMD211511 [E]	3298

XCK - J Metal



1NO + 1NC
 Snap action
 Positive opening operation
 30 million operations
 Heavy Duty CR, tight to IP 667
 Accuracy ± 0.01 mm

Description	Reference	Unit MRP* [€]
Head - without operating lever - Rotary head	ZCKD5 [E]	2178
Head - cat's whisker	ZCKD6 [E]	2196
Head - spring rod lever	ZCKD8 [E]	2381
Head - steel roller lever	ZCKE23 [E]	396
Head - metal end plunger	ZCKE61 [E]	1886
Head - reinforced end plunger	ZCKE67 [E]	3150
Body - 1 NC + 1 NO - terminals	ZCKJ1 [E]	2627
Body - 2 NO - terminals 2 NO + 2 NC	ZCKJ2 [E]	4285
Steel roller lever	ZCKY13 [E]	561
Delrin roller lever Ø 60 mm	ZCKY11 [E]	824
Nylon round rod Ø 6 mm	ZCKY62 [E]	475
spare contacts	XZ5P2151 [E]	802

Note:

* For ordering complete Limit Switches, please select body head and, if necessary roller listed above.

Please contact Customer care center for Stockable and Non stockable status of references.

[\[E\]](#) MRP: STOCK ITEMS

Tiger Limit Switches

XCL Thermoplastic



Conforming to IEC 60947-5-1
 Degree of Protection - IP 40, IK 04
 Mechanical durability - 10 million operations
 Operating frequency - 120 operations per minute
 Light duty application

Description	Reference	Unit Price [€]
Steel roller plunger - 10C	XCL100C [E]	1297
Steel roller plunger	XCL103C [E]	1380
Steel end plunger	XCL110C [E]	1161
Short flat roller lever plunger	XCL121C [E]	1734
Short flat lever plunger	XCL125C [E]	941
Long flat lever plunger	XCL126C [E]	1080
short roller lever plunger - flat	XCL127C [E]	977
Long roller lever plunger - flat	XCL129C [E]	1057

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 Price [€]
Steel roller plunger for lateral cam movement	XCE102C [E]	1740
Steel rod plunger	XCE110C [E]	1596
Thermoplastic roller lever	XCE118C [E]	1789
Variable length thermoplastic roller lever	XCE145C [E]	2167
Round rod 4.53 mm steel rod	XCE154C [E]	0772
Spring rod lever	XCE181C [E]	2077

XCKN Limit Switches



Plastic body
 Conforming to IEC60947-5-1, EN60947-5-1, I.H. 508, CSA
 C22-2 n°14 standards
 Degree of Protection - IP65
 Rapid entry for n°11 cable gland
 2 pole NO + NC snap action

Description	Type of Approach	Reference	Unit Price [€]
Steel roller plunger - 1 NC + 1 NO	Lateral cam approach 2 directions	XCKN102G11 [E]	1119
Cat's whisker - 1 NC + 1 NO	Multi-directional approach	XCKN106G11 [E]	1336
Spring lever - 1 NC + 1 NO	Multi-directional approach	XCKN108G11 [E]	1089
Steel rod plunger - 1 NC + 1 NO	Vertical approach 1 direction	XCKN110G11 [E]	947
Thermoplastic roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN118G11 [E]	986
Thermoplastic roller lever plunger horizontal direction - 1 NC + 1 NO	Lateral approach 1 direction	XCKN121G11 [E]	1232
Variable length adjustable roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN145G11 [E]	1184
Variable length adjustable Thermoplastic roller lever Ø 50 mm - 1 NC + 1 NO	Lateral approach 2 directions	XCKN149G11 [E]	1456
Variable length adjustable Thermoplastic large roller lever Ø 50 mm - 1 NC + 1 NO, snap action	Lateral approach 2 directions	XCKN149P05E4 [E]	1006
Variable length adjustable Thermoplastic large roller lever Ø 50 mm - 1 NC + 1 NO, Slow-break, break before make	Lateral approach 2 directions	XCKN149P05E4 [E]	1036

Please contact Customer care center for Stockable and Non stockable status of references.

[\[E\]](#) NORMAL STOCK ITEMS

WE1 January 30th, 2025

XCMN Limit Switches



Miniature design
 Conforming to IEC60947-5-1, EN60947, UL 508, CSA C22-2 of 14 standards
 Degree of Protection - IP65
 Plastic body with metal head
 1 metre PVR cable supplied as standard (1 x 0.75mm²)
 2 pole NC + NO, snap action contact
 Mechanical durability : 5 million operating cycles

Description	Reference	Unit MRP* [€]
Steel roller plunger for lateral case approach	XCMN2102L 1	2345
Steel rod plunger	XCMN2110L 1	2036
Thermoplastic roller lever - 1 NC + 1 NO	XCMN2115L 1	2217
roller lever plunger - 1 NC + 1 NO - one direction activation	XCMN2121L 1	2036
Thermoplastic adjustable roller lever - 1 NC + 1 NO	XCMN2141L 1	2548

XCKMR (Metal) Limit Switches



For Hoisting & material handling Application
 3 Cable Entry

Type of Operator	Contact Type	Cable Entry	Reference	Unit MRP* [€]
With C-shaped metal rod	2x2 pole NC + NC Staggered	M20 x 1.5	XCKMR5401129 00	13584
With C-shaped metal rod	2x2 pole NC + NC Staggered	PG 13 Cable Gland	XCKMR5401 00	15400

XCKVR (Plastic) Limit Switch



Type of Operator	Contact Type	Cable Entry	Reference	Unit MRP* [€]
With C-shaped metal rod	2x2 pole NC + NC staggered	M20x1.5	XCKVR5401109 00	5859

Conveyor Belt Shift Monitoring Switches



Type of Operator	Tipping Angle	Reference	Unit MRP* [€]
Spring return roller zinc plated steel with lever for corrosive atmosphere	10° fault signalling 10° stopping of the conveyor belt	XCR1115	22140
Spring return roller stainless steel with lever	10° fault signalling 10° stopping of the conveyor belt	XCR1215	48819
Spring Return steel roller lever	22° Stopping of the Conveyor Belt (1 CC)	XCK1105211129	5380

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.

[M MRP* STOCK ITEMS](#)

W.E.F. January 30th 2023

XCKM.LC Metal



1NO + 1NC Snap action
10 millions operations
Heavy Duty On light IP66, IK08

Operation type	Connection	Reference	Unit MRP [€]
Metal rod plunger	Fg11	XCKM110LC	3084
Steel roller plunger	FG11	XCKM102LC	3074
Steel roller lever	Fg11	XCKM116LC	2222
Steel roller lever	M20	XCKM116H29LC	2113
Steel roller lever / horizontal actuation	Fg11	XCKM2023LC	2222

XCKJ.LC



1NO + 1NC
Snap action
10 million operations
Heavy Duty On light IP67, IP66, IP67

Operation Type	Connection	Reference	Unit MRP [€]
Metal rod plunger	Fg 13.5	XCKJ1611C	2100
Steel roller plunger	M20	XCKJ161129LC	2199
Steel roller plunger	Fg 13.5	XCKJ1621C	2109
Thermoplastic roller lever	Fg13.5	XCKJ105111C	2148
Steel roller lever	M20	XCKJ10513129LC	2072
Steel roller lever	Fg13.5	XCKJ105131C	2057
Variable length Thermoplastic roller lever	M20	XCKJ10541129LC	2662
Variable length Thermoplastic roller lever	Fg13.5	XCKJ105411C	2662
Polyamide 6 mm rod lever	M20	XCKJ10569C29LC	2571
Polyamide 6 mm rod lever	Fg 13.5	XCKJ10569C	2666
Variable length Steel roller lever	M20	XCKJ10543129LC	2148
Variable length Steel roller lever	Fg13.5	XCKJ105431C	1061

XCK-T Thermoplastic



Conforming to IEC 947-5-1
Degree of Protection - IP653
Double Insulated
Class II conforming to IEC 536
15 Million Mechanical durability
1 NO+1NC / 2 pole snap action contacts with positive opening

Description	Reference	Unit MRP [€]
Steel roller plunger - 1 NO + 1 NO	XCKT2102C11	2011
Steel rod plunger - 1 NC + 1 NO	XCKT2110C11	2652
Drive - roller lever plunger horizontal direction - 1 NC + 1 NO	XCKT2121C11	2011

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.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2025

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 (ZBRHC and ZBRHC 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	XCMW107	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 cabling, 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	XZSWE11/A24	On Request
Programmable receiver - 4 PNP - 200 mA - 24 V DC - 2 pushbuttons - 6 LEDs	XZRW12S112M	On Request

Safety Detection Solution



Coiled 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	XCSM111	415€
2 Pole NC + NO - Break Before Make, Slow Break	Pg 11	XCSFA091	315€
2 Pole NC + NO - Break Before Make, Slow Break	1/2 NTP	XCSFA097	258€
2 Pole NC + NC - Slow Break	Pg 11	XCSFA091	290€
2 Pole NC + NC - Slow Break	1/2 NTP	XCSFA097	309€
3 Pole NC + NO + NO - Slow Break (2NO Staggered)	Pg11	XCSFA091	388€

XCS LE /LF Safety Solenoid Interlock



Body Type	Contacts	Voltage	Locking	Reference	Unit MRP [€]
Metall	NO + NC	24V AC/DC	On de-energisation	XCSL12525312	20611
Plastic	NO + NC	24V AC/DC	On de-energisation	XCSL12525312 48	17488
Plastic	NC + NO + NO	24V AC/DC	On de-energisation	XCSL12732312	21140

XCSDM Safety coded Magnetic Switch



Contact*	Body Size	Connection	Reference	Unit MRP [€]
2 pole 1 NC + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC902 48	6076
2 pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC1902	5092
2 pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMF902	4572
2 pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMF1902	3380
3 pole 1 NC + 1 NC + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMF008 01M12	12616
3 pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMF011 01M12	8916
2 pole 1 NC + 1 NO (staggered)	Cylindrical 33 - 38 / - 38 h	M12 Connector	XCSDM66-908 01M12	8077

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 MSRP [1]
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
1.5mm	M8	1 NO	NPN	XS1008 NAL2	1917
			PNP	XS1008 PAL2	1506
			NPN	XS1008 NAM12	1701
			PNP	XS1008 PAM8	1733
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
2.5mm	M8	1 NO	NPN	XS2008 NAL2	2181
			PNP	XS2008 PAL2	2203
			PNP	XS2008 PAM12	2040
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
2mm	M12	1 NC	PNP	XS1128 PHL2	2711
			NPN	XS1128 NAL2	1846
		1 NO	NPN	XS1128 NAM12	1850
			PNP	XS1128 PAL2	1707
			PNP	XS1128 PAM12	1368

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 MSRP [1]
Two Wire - 12-240V AC Metal, Flush Mountable - Threaded					
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
4 mm	M12	1 NC	NPN	XS2128 NBL2	1800
			PNP	XS2128 PBL2	2022
			NPN	XS2128 NAL2	1504
		1 NO	NPN	XS2128 NAM12	2309
			PNP	XS2128 PAL2	1500
			PNP	XS2128 PAL5	1984
		PNP	XS2128 PAM12	1751	
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
5 mm	M18	1 NC	PNP	XS1188 PBL2	2228
			NPN	XS1188 NAL2	1753
		1 NO	NPN	XS1188 NAM12	2309
			PNP	XS1188 PAL2	1525
			PNP	XS1188 PAL5	2158
			PNP	XS1188 PAM12	2000
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
8 mm	M18	1 NO	NPN	XS2188 NAL2	1632
				XS2188 NAL5	2043
				XS2188 NAM12	2311
				XS2188 PAL2	1600
				PNP	XS2188 PAL5
			PNP	XS2188 PAM12	1679

Please contact Customer care center for Stockable and Non stockable status of references.

MSRP: STOCK ITEMS

Specifications : Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15mm

[Dn] Nominal sensing distance	Sensor design	Discrete Output function	Discrete Output type	Reference	Unit Price [€]
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
10mm	M30	1NC	PNP	XS130BL PNL2	3015
			NPN	XS130BL NAL2 48	2974
		1NO	PNP	XS130BL PAL2 48	1714
				XS130BL PAM12	2996
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
15mm	M30	1NC	PNP	XS230BL PNL2	1912
			NPN	XS230BL NAL2	2688
		1NO	PNP	XS230BL PAL2 48	1666
				XS230BL PAL5	2612
				XS230BL PAM12	3015

Note :

- 1. 1,2 stands for sensors with 2m cable
- 2. 1,5 stands for sensors with 5m cable
- 3. 1,10 stands for sensors with 10m cable
- 4. M8 & M12 stand for universal connectors.
- 5. Connectors to be ordered separately.

Extended Sensing Range

[Sn] Nominal sensing distance	Sensor design	Discrete Output function	Discrete Output type	Reference	Unit MRP [€]
Three Wire Metal 10-36V DC, Flush Mountable - Threaded					
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XSG08E1PM12	5206
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XSG08E1PM12	6982
4 mm (Length 53 mm)	M12	1 NO	PNP	XSG12E1PM12	4004
4 mm (Length 53 mm)	M12	1 NO	PNP	XSG12E1PM12	3219
8 mm (Length 62 mm)	M18	1 NO	PNP	XSG18E1PM12	5048
8 mm (Length 62 mm)	M18	1 NO	PNP	XSG18E1PM12	8501
15 mm (Length 67 mm)	M30	1 NO	PNP	XSG30E1PM12	6026
15 mm (Length 67 mm)	M30	1 NO	PNP	XSG30E1PM12	5276
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
4 mm	M12	1 NO	PNP	XS112E3PN12	3131
				XS112E3PM12	2680
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
8 mm	M18	1 NO	PNP	XS118E3PM12	3626
				XS118E3PM12	4412
8 mm	M18	1 NO	PNP	XS118E3PN12	3626
				XS118E3PM12	4412
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
15 mm	M30	1 NO	PNP	XS130E3PM12	3810

Multi Current/Multi Voltage sensor for AC/DC Application

2 Wire, Supply voltage 20...264 LED Out Put State Indicator

[Sn] Nominal sensing distance	Sensor design	Discrete Output function	Reference	Unit MRP [€]
4 mm	M12	NO	XSB12S1MA12	6621
8 mm	M18	NO	XSB18S1MA12	6185
15 mm	M30	NO	XSB30S1MA12	6722

Multi Current/Multi voltage Sensor for AC/DC Application
2 wire connection
Supply voltage 20...264 V

Flush-Non flush mountable via teach mode:

80 mm	80 x 80 x 25	AC/DC NO	XSB01A1MA12	18509
-------	--------------	----------	-------------	-------

Speed Rotation Monitoring Proximity Switches

[Ua] Rated Supply voltage	Switching capacity	Wiring technique	[Sn] Sensing distance	Operating zone	Adjustable Freq. Impulse/min	Reference	Unit MRP [€]
24...210 V DC	5...200 mA DC 5...360 mA AC	2 wire AC/DC	10 mm	0...8 mm	6...150	XSAV11001	1748
24...210 V AC 50/60 Hz					120...3000	XSAV1201	2966
12...48 V DC	< 200 mA overload and short-circuit protection	3 wire DC PNP	10 mm	0...8 mm	6...150	XSAV11212	2387
					120...3000	XSAV1212	10888

Accessories

Description	Sensor Design	Reference	Unit MRP [€]
Fitting for cylindrical sensor	m18	XS/B118	858

XS Flat Type [Inductive Sensors]

Rated supply voltage: 12...24V DC



Description	Output Function	Switching capacity (at 24V)	[Sot] Sensing distance	Reference	Unit MRP (€)
Flat form 40x40x15	PNP (NO), 3 wire	<=100 mA	Flush: 15mm	XS/C1A1/PN2	2000
Flat form 60x40x20	PNP (NO), 3 wire	<=100 mA	Flush: 10mm	XS/C1A1/PN2	2072
Flat form 40x40x15	PNP (NO), 3 wire	<=200mA	Non-Flush: 25mm	XS/C1A1/PN2	1919
Flat form 60x40x20	PNP (NO), 3 wire	<=200mA	Non-Flush: 40mm	XS/C1A1/PN2	1250



XS Cubic C2 Form



XS Barrel Form

Sensing range	Output	Connection	Reference	Unit MRP (€)
XS Cubic C2 Form				
15mm	1 NO	Terminal	XS/C2A1/PM12	4182
20mm	1 NO + 1 NC	Terminal	XS/C2A1/PM12	2000
40mm	1 NO + 1 NC	Terminal	XS/C2A1/PM12	2119
XS Barrel Form				
15 mm	1NO + 1 NC programmable	Terminal	XS/C4A1/PC13	7494
15 mm	1NO + 1 NC programmable	Terminal	XS/C4A1/MP13	8175
20mm	1NO + 1NC	Terminal	XS/C4A1/PC13	7494
20mm	1NO + 1NC	Terminal	XS/C4A1/PC13	8176
30mm	1NO + 1 NC programmable	Terminal	XS/C4A1/PC13	11563
20mm	1NO + 1 NC programmable	Terminal	XS/C4A1/MP13	11912
20mm	1NO + 1 NC programmable	Terminal	XS/C4A1/MP13	9630
20mm	1NO + 1 NC programmable	Terminal	XS/C4A1/MP13	11912

XT Capacitive sensor

Sensing range	Output	Connection	Reference	Unit MRP (€)
8mm	1 NO	2M Cable	XT218A1/PN2	4832
8mm	1NC + 1NO	M12 Connector	XT218A1/PC12	4756
15mm	1NO	2M Cable	XT230A1/PN2	3741
15mm	1NO + 1NC	M12 connector	XT230A1/PC12	4860

Please contact Customer care center for Stockable and Non-stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2025

OsiSense Ultrasonic XX



3 wire connection
Supply voltage: 10-28 V DC
Plastic case

[5m] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Reference	Unit MRP [€]
50 cm	M18	PNP NO	XXS18A3PM12	14000
1 m	M30	PNP NO	XXE13A11PM12	18140
Sensors with analogue output for DC application				
8 m	M30	4-20 mA	XXS13A10M12	42940

OsiSense XX



Ultrasonic Sensor for monitoring 2 levels

Sensing Distance	Output	Connection	Reference	Unit MRP [€]
0.5m	PNP (NO)	M12	XX11A13PM12	17370



Connector Type	Connection	Shape	Length	Reference	Unit MEPP (7)
----------------	------------	-------	--------	-----------	---------------

Os Sense XZ PUR cable
 Industrial high end use
 Nominal Current 4A
 Matt Black Colour
 Operating temperature -35... +90°C
 IP 67

PUR Pre-wired connector	MB, 3 pins	Straight	2m	XZCP056B.2	1140
PUR Pre-wired connector	MB, 3 pins	Straight	5m	XZCP056B.5	1440
PUR Pre-wired connector	MB, 3 pins	Elbowed	5m	XZCP062B.5	1620
PUR Pre-wired connector	MB, 4 pins	Straight	2m	XZCP094B.2	1320
PUR Pre-wired connector	MB, 4 pins	Straight	5m	XZCP094B.5	1620
PUR Pre-wired connector	MB, 4 pins	Elbowed	2m	XZCP104B.2	1320
PUR Pre-wired connector	MB, 4 pins	Elbowed	5m	XZCP104B.5	1620
PUR Pre-wired connector	M12, 4 pins	Straight	2m	XZCP114B.2 8	1100
PUR Pre-wired connector	M12, 4 pins	Straight	5m	XZCP114B.5 8	1320
PUR Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCP124B.2 8	1160
PUR Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCP124B.5 8	1320

Os Sense XZ PVC Cable
 • General use
 • Nominal Current 3A
 • Grey Colour
 • Operating temperature -25... +80°C
 • IP 65

PVC Pre-wired connector	MB, 3 pins	Straight	2m	XZCP056B.2	1030
PVC Pre-wired connector	MB, 3 pins	Straight	5m	XZCP056B.5	1020
PVC Pre-wired connector	MB, 3 pins	Elbowed	5m	XZCP062B.5	1120
PVC Pre-wired connector	MB, 4 pins	Straight	2m	XZCP094B.2 8	990
PVC Pre-wired connector	MB, 4 pins	Straight	5m	XZCP094B.5	1120
PVC Pre-wired connector	MB, 4 pins	Elbowed	5m	XZCP104B.5	1210
PVC Pre-wired connector	M12, 4 pins	Straight	2m	XZCP114B.2 8	770
PVC Pre-wired connector	M12, 4 pins	Straight	5m	XZCP114B.5 8	1000
PVC Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCP124B.2 8	890
PVC Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCP124B.5 8	980

Os Sense XZ Connector
 • Protection IP67
 • Connector type Screw Threaded

Male connector	M12, 4 Pin	Straight		XZCC12M3M4B	620
Male connector	M12, 4 Pin	Elbowed		XZCC12MCM4B	680
Male connector	M12, 5 Pin	Straight		XZCC12M3M5B	1110
Male connector	M12, 5 Pin	Elbowed		XZCC12MCM5B	1170
Female connector	M12, 4 Pin	Straight		XZCC12FDM4B	590
Female connector	M12, 4 Pin	Elbowed		XZCC12FCM4B 8	620



Human Machine Interfaces Product Line-up Guide

Harmony Panels and Industrial PCs

Basic HMI panels for simple machines

Harmony ST6 — High-resolution and cost-efficient basic HMI



Harmony ST6: W4", W7", W7"
Harmony ST6S/W6: W4", W7", W10", W12", W15"



Modular Harmony ST6 HMI



Modular HMI Gateway Box



Edge Box HMI



Supporting Software



EcoStructure Operator Terminal Expert



EcoStructure Machine SCAJA Expert



HMI 5

- Cost-effective with good quality
- Fits into Schneider EcoStructure Architecture
- Superior high-resolution screen with 16M colors
- Powered by new-generation software "EcoStructure Operator Terminal Expert" for high-quality graphics and stylish design
- Tool-free mounting with newly-designed mounting mechanism, no need for screwdriver
- 2x Ethernet with Dual IP, end-to-end Cybersecurity
- Modular HMI version with push button 22 mm (0.885 in.) mounting system
- Web HMI version with embedded browser (instead of HMI software) for visualizing HMI 5 servers on industrial devices
- Remote visualization using Web Viewer (software)
- Faceless HMI version with ST6 Gateway Box and Web Viewer feature for applications that do not need a full-time operator screen
- Supports Cloud Services on Edge Box HMI (HMI51M6HC30C1) due to the power of EcoStructure Machine SCAJA Expert software

Harmony ST07 — Compact color HMI



Harmony ST07: W4.3"



Supporting Software



EcoStructure Operator Terminal Expert

- TFT color screen with 480 x 272 pixels
- Removable logo stickers
- Larger screen with full size ratio in the 4.3" class
- 3 versions for various communication types

Harmony GTO — Standard HMI



Harmony GTO: 3.5", 5.7", W7", 7", 10", 12"



Supporting Software



Web Designer

- Excellent brightness with TFT 65K colors
- Stainless-steel panel for food and beverage applications
- Standard front and IP65 degree of protection
- Extended temperature - up to 55 °C/131 °F
- Easy to install and sustainable offer
- Full range of international certifications
- No logo and full conformal coating versions available

Harmony STU — Cut-out free HMI



Harmony STU: 3.5", 5.7"



Supporting Software



Web Designer

- Compact for space saving
- Innovative tool-free mounting via 22.5 mm (0.885 in.) hole
- Ethernet port RJ45 10BASE-T/100BASE-TX
- Separately mounted via 3 m or 5 m cable with mounting adapter
- Modular design for easy maintenance

Harmony SCU — Cut-out free HMI controller



Harmony SCU: 3.5", 5.7"



Supporting Software



EcoStructure Machine Expert

- Optimum all-in-one combination for HMI and Control
- Innovative tool-free mounting via 22.5 mm (0.885 in.) hole
- Reduce machine assembly time and cost
- Space saving
- Embedded CANopen port for field networking
- Modular design for easy maintenance

Harmony ST6 — High-resolution and cost-efficient basic HMI



Harmony ST6 HMI panels range in sizes from 4" to 15" wide combining the exceptional quality of good graphics and stylish design. They are available in basic, modular web and Edge Box. The ST6 and ST6M panels offer an improved user operation experience through an intuitive design powered by FooStruxure Operator Terminal Expert software. The ST6M panels have a pre-installed browser that provides a ready-to-use agnostic terminal allowing all devices to be visualized within an HMI. In server the Edge Box HMI, thanks to the power of FooStruxure™ Machine SCADA Expert software, provides an affordable box to go, ready for Cloud Services. FooStruxure Machine brings together key technologies for product connectivity and on-premise edge control, and cloud technologies to provide analytics and digital services. FooStruxure Machine helps you bring more innovation and added value to your customers throughout the entire machine life cycle. The Harmony ST6/ST6M/ST6M and the Edge Box HMI versions meet IoT challenges at the Connected Products level, by providing secure communication, connectivity, and efficiency to the required software and applications at the Edge Control level, thus opening up more business opportunities.

Product Description	Reference	List Price (€)
4" W basic operator terminal	HMST6400	On Request
7" W basic operator terminal	HMST6400	On Request
10" W basic operator terminal	HMST6500	On Request
12" W basic operator terminal	HMST6600	On Request
15" W basic operator terminal	HMST6700	On Request
4" W basic modular terminal	HMST6M300	On Request
7" W basic modular terminal	HMST6M400	On Request
Basic HMI Gateway - ST6M	HMST6M30CX	On Request
4" W basic Web terminal	HMSTW6200	On Request
7" W basic Web terminal	HMSTW6400	On Request
10" W basic Web terminal	HMSTW6500	On Request
12" W basic Web terminal	HMSTW6600	On Request
15" W basic Web terminal	HMSTW6700	On Request
Basic HMI Edge Box ST6M	HMST6M30X071	On Request

Harmony ST07 - Compact color HMI



- Best-in-class display.
- Web screen quality tested on ppi similar to Harmony STU, the Harmony ST07.
- 4.3" color screens support crisp-clear visualization and a high quality display.
- This enables you to create more attractive and distinguished applications for industry.

Product Description	Reference	List Price (€)
4.3" touch panel screen RS232C	HMST0705-	On Request
4.3" touch panel screen RS232C/485	HMST0715-	On Request
4.3" touch panel screen Ethernet	HMST0735-	On Request
REC battery set	HM/25REC1	On Request

Harmony STU - Cut-out free HMI



- Harmony STU panels are compact open panels offering greater communication capabilities. The high resolution touch screens, clever mounting system, and HMI software make them ideal for machine manufacturer solutions in industry and infrastructure.
- No panel cut-out is required to install a Harmony STU small panel. All you need to do is drill a hole measuring 22 mm in diameter - just like installing a pushbutton. The front module (comprising the screen) is connected to the rear module (comprising the terminals and connectors) via this 22 mm drilled hole.

Product Description	Reference	List Price (€)
Touch Panel Screen 3" Color	HMSTU63c	On Request
Touch Panel Screen 5" Color	HMSTU65c	On Request
STU 5in/ without marking on overlay	HMSTU65sW	On Request
STU 5in/ without marking on overlay	HMSTU65sW	On Request
STU 5in/ front module	HM/5c	On Request
STU 5in/ front module	HM/5s	On Request
STU rear module	HM/5r1	On Request

Please contact Customer care center for Stockable and Non stockable status of references.

€ MINIMUM STOCK ITEMS

W.E.F. January 30th, 2023

Harmony GTO - Standard HMI



- Standard and Stainless HMI panels with 3.5" to 12.1" screen.
- Harmony GTO Standard HMI panels feature optimized information and communication technologies, which, depending on the model, include:
- High level of communication (embedded Ethernet, multiLink, Web server and FTPS mail).
- External storage of data (SD memory card and USB memory stick) for storing production data and backing up applications.
- Management of peripherals: printers, etc.
- These panels offer an excellent level of technical performance designed principally for use by OEM customers.
- The Harmony GTO range has been designed in accordance with numerous standards, certifications and requirements:
 - Standards: EN 61131-2, 61000-6-2 and UL 508.
 - Certifications: CE, GDS IT, KC/C Alex and UL Hazardous location (pending), Marine certifications (pending).
 - Operating temperature: up to 55°C.
 - Degree of protection (according to IEC 60529):
 - IP 66 for standard version products
 - IP 67 for standard version products fitted with a cover for harsh environments.
 - IP 69K for "Stainless Steel" version products.
 - Resistance to high-pressure cleaning (conforming to DIN 40680-9): up to 10 bar for "Stainless Steel" version products.

Product Description	Reference	Unit MRP (€)
3.5 Color Touch Panel QVGA TFT	HMG1D1300	On Request
3.5 Color Touch Panel QVGA TFT	HMG1D1310	On Request
5.7 Color Touch Panel QVGA TFT	HMG1D0300	On Request
5.7 Color Touch Panel QVGA TFT	HMG1D0310	On Request
5.7 Color Touch Panel QVGA Stainless	HMG1D0315	On Request
7.0 Color Touch Panel WVGA TFT	HMG1D0610	On Request
7.0 Color Touch Panel VGA TFT	HMG1D0610	On Request
10.4 Color Touch Panel VGA TFT	HMG1D0510	On Request
HMG1D0510 Coated	HMG1D0510FC	On Request
HMG1D0510 coated and logo removed	HMG1D0510FCW	On Request
HMG1D0510 logo removed	HMG1D0510FW	On Request
10.4 Color Touch Panel VGA Stainless	HMG1D0515	On Request
12.1 Color Touch Panel SVGA TFT	HMG1D0810	On Request
HMG1D0810 Coated	HMG1D0810FC	On Request
12.1 Color Touch Panel SVGA Stainless	HMG1D0815	On Request

Harmony SCU — Cut-out free HMI controller



The ultra compact range of Harmony SCU HMI controllers are part of Schneider Electric's Flexible Machine Control concept, a key element in MachinesStructures™. The Harmony SCU HMI controllers also bring together Human Machine Interface and control functions within in a single product. This reduces the amount of equipment required and the associated costs throughout the life cycle of the machine. The Harmony SCU integrates, as standard, all these functions. They benefit, in particular, from the same innovation as the Harmony STU panels range: mounting via a 22 mm diameter hole (pushbutton type) which considerably simplifies installation.

Of modular design, this range comprises:

- 2 complete Harmony SCU products for the control of simple machines, comprising:
 - A 3.5" or 5.7" 65 k color TFT screen module
 - A Controller module with 16 integrated digital inputs/10 integrated digital outputs
- 2 complete Harmony SCU products for the control of simple processes, comprising:
 - A 3.5" or 5.7" 65 k color TFT screen module
 - A Controller module with 8 integrated digital inputs/8 integrated digital outputs and 4 integrated analog inputs/2 integrated analog outputs

Product Description	Reference	Unit MRP (€)
3.5 Small Controller Panel For Machine	HMSCU3A6	On Request
3.5 Small Controller Panel For Process	HMSCU3B6	On Request
5.7 Small Controller Panel For Machine	HMSCU5A6	On Request
5.7 Small Controller Panel For Process	HMSCU5B6	On Request
Rear Module Small Controller Process	HMSRC	On Request
Rear Module Small Controller Machine	HMSAC	On Request

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2025

Advanced HMI panels for performance machines

Harmony GTU — High performance modular HMI



Supporting Software



Harmony GTU: W7", 10", W10", 12", W12", 15", W15", W19"



Box

Display

Lock-free mounting

Graphics HMI



EcoStructure Operator Terminal Expert



Vijeo Designer

- 6 sizes of high-resolution displays ranging from 7" to 19", either with modern 16:3 or standard 4:3 ratio
- 3 boxes, two with Real Time OS and one with fully open Windows based
- Up to 7 separate Ethernet ports, serial communication ports, and field bus options suiting to it
- Industrial multi-touch and fully coated offer
- All memory removable for PC-free box replacements
- Wireless LAN enabled display
- Easy to install with integrated mounting bracket and anti-drop lock
- Multi-display capability with C-pod box using DVI interface or multi-display adaptor

Harmony GTUX — eXtreme HMI



Supporting Software



Harmony GTUX: W7", W12", W16"



Vijeo Designer

- A wide temperature range from -30...+70 °C (+22...+158 °F)
- Sunlight readable: High brightness LCD (1000 cd/m²), anti-glare surface
- Robustness: UV protection, conformal coated (fully coated)
- Dust and water proof (IP66, IP67; and IEC 501 Type 4X (Outdoor use))
- Environmental standard: Class 1, Div 2, ATEX/IECEx Zone 2/22
- Variety of I/Os (including dual Ethernet ports)
- Modular design with stainless front face
- Suitable for industry segments like Oil & gas, Water and Waste Water (WWW) management

Harmony GK — Keyboard HMI



Supporting Software



Harmony GK: 5.7", 10.4"



Vijeo Designer

- Fine control inputs even in severe environment
- Touch screen and keypad keys configurable simultaneously or separately
- Highly robust with operating temperatures up to 65 °C (147 °F), reducing maintenance problems and time

Harmony GTU — High performance modular HMI



Harmony GTU are universal panels that include smartphone-like interface and Wireless technology. They offer unmatched comfort of use with no compromise on performance and openness.

Product Description	Reference	Unit Price (€)
Premium BOX for Universal Panel	HMC23U	On Request
Standard BOX for Universal Panel	HMC2U	On Request
Open BOX for Universal Panel	HMC24D	On Request
Open BOX Universal Panel	HMC24J22	On Request
7W Touch Advanced Display WCA	HMD17s1	On Request
10W Touch Advanced Display WCA	HMD17s1	On Request
10.4 Touch Smart Display SVCA	HMD1542	On Request
12W Touch Advanced Display WCA	HMD17s1	On Request
12.1 Touch Smart Display XCA	HMD1542	On Request
1s Touch Smart Display XCA	HMD17s2	On Request
11W Touch Smart Display FWCA	HMD17s2	On Request
10W Touch Smart Display FWCA	HMD17s2	On Request

Harmony GTUX — eXtreme outdoor HMI panels for harsh outdoor environment



- Harmony GTUX is a modularly designed robust terminal suitable for harsh outdoor environments. Features like high brightness and UV protection to direct sunlight, protection against water and dust, and supporting a wide range of temperatures make it an ideal choice for direct outdoor operation in O&G, WWM, and MMM segments.
- Harmony extreme panels can be used in applications like smart energy generation (solar wind turbine, biomass, hydropower genset, etc.), hoisting, compressor pumping, and car charging/washing.

Product Description	Reference	Unit Price (€)
Extreme BOX	HMC23X	On Request
7W Touch eXtreme Display WCA	HMD17sX	On Request
10W Touch eXtreme Display WCA	HMD17sX	On Request
12W Touch eXtreme Display FWCA	HMD17sX	On Request
Fix Module Fixing Bracket for 7W	HMC23DX1	On Request
Fix Module Fixing Bracket for 10W & 12W	HMC23DX2	On Request

Harmony GK — Keyboard HMI



- Harmony HMI GK graphic terminals share technical characteristics with Harmony ET6 to enhance the operator's experience. Ultra-flexible, with two screen sizes (5.7" and 10.4"), the Harmony HMI GK can be configured and controlled to precisely match your requirements.
- Designed to operate in severe environments, the Harmony HMI GK offers you optimum control on the keypad, as well as on the touch screen. The latest design is consistent with the Harmony USB keypad (HMI/KB 1), ideal for keypad control on small Harmony panels.

Product Description	Reference	Unit Price*
5.7" Keypad Panel QVGA TFT	HMGK0310	On Request
10.4" Keypad Panel VGA TFT	HMGK0310	On Request

Easy Harmony ET6

Harmony ET6 - Essential touchscreen panels for simple machines



- Range from 7" to 15", Easy Harmony ET6 is a robust and cost-effective touch screen panel that provides rapid display, quick touch response and Ethernet capability. The Easy Harmony ET6 is designed with the secure development life-cycle (SDLC) process and enhanced the Cybersecurity with secure boot and encrypted transfer.
- Target Segments: Packaging, HVAC, Pumping, Metal Working, Pharmacy, and other miscellaneous sectors of activities.

Product Description	Reference	Unit Price*
7" Easy Touch Panel, Ethernet model	HME16000	On Request
10" Easy Touch Panel, Ethernet model	HME16000	On Request
12" Easy Touch Panel, Ethernet model	HME16000	On Request
15" Easy Touch Panel, Ethernet model	HME16000	On Request

Harmony Industrial PCs and Edge Box for line management

Harmony P6 Industrial PCs - Drive efficiency and productivity at the Edge of EcoStruxure



Supporting Software



Node-RED



EcoStruxure Operator Terminal Expert



EcoStruxure Machine SCADA Expert



Harmony P6 Modular Box and Modular Display: 12", 15", W10", W12", W15", W19", W22"



How to select the Industrial PC and build a Plant Architecture. Click to view the video.

- HMI/PC
 - Advanced Modular Box PC
 - Intel Core i5 up to 4.1 GHz or Intel Core i7 up to 4.4 GHz or Intel Celeron up to 2.0 GHz, UHD Graphics accelerator
 - 8 to 32 GB or 4 to 16 GB DDR4 RAM, 1x M.2 SSD SATA and 2x 2.5-inch SATA (HDD/SSD) storage slots
 - USB Type A (2x USB 2.0 and 2x USB 3.0), USB Type C (1x USB 3.0), 1x COM RS-232C, 2x RJ45 Ethernet, 1x Display port
 - 2x Interface slots and optional extension module for 2x PCIe slots
 - Default TPM module for encryption
 - RAID HDD with Intel Rapid storage
 - Standard Modular Box PC
 - Intel Core i3 up to 3.9 GHz, UHD Graphics accelerator
 - 8 to 32 GB DDR4 RAM, 1x M.2 SSD SATA and 1x 2.5-inch SATA (HDD/SSD) storage slots
 - USB Type A (2x USB 2.0 and 2x USB 3.0), 1 USB Type C (1x USB 3.0), 1x COM RS-232C, 2x RJ45 Ethernet, 1x Display port
 - 2x Interface slots
 - Default TPM module for encryption
- HMI/MTD
 - 4.3 12" and 15" (XGA) color LCD resistive analog multi-touch (2 points) screen with 1x USB 2.0 (Type A), and front USB cover
 - 16:9 10" and 12" (WXGA) 15" (FWXGA) 19" and 22" (FHD) projected capacitive multi-touch (2 points) screen, 7H hardness, anti-scratch, 3 touch mode configuration
 - IP66, Nema 4X indoor front panel
 - All models are certified for CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201 P, and CSA C22.2 No. 213 P
 - ATEX models are certified for IECEx/ATEX for use in Zone 2 gas/Zone 22 dust P, DNV

Harmony FP6 — Industrial Flat Panel Monitors



Harmony HMI/MTD: 12", 15", W10", W12", W15", W19", W22"

- HMI/FP6
 - 4.3 12" and 11" (XGA) color LCD resistive analog multi-touch (2 points) screen with 1x USB 2.0 (Type A), and front USB cover
 - 16:9 10" and 12" (WXGA) 15" (FWXGA) 19" and 22" (FHD) projected capacitive multi-touch (2 points) screen, 7H hardness, anti-scratch, 3 touch mode configuration IP66, Nema 4X indoor front panel
 - All models are certified for CE, RCM, UL 61010-2-201, CSA C22.2 No. 61010-2-201, UL 121201 P, and CSA C22.2 No. 213 P, IECEx/ATEX for use in Zone 2 gas/Zone 22 dust P

Product Description	Reference	Unit MTP (1)
FPE, 11w WXGA, PCAP, DM, DC	HMI1PE63WVCO	On Request
12.1 XGA, Analog Multi, DM, DC	HMI1PE63TMD	On Request
FPE, 12w WXGA, PCAP, DM, DC	HMI1PE63WVCO	On Request
FPE, 15.9 XGA, Analog Multi, DM, DC	HMI1PE63TMD	On Request
FPE, 15w FWXGA, PCAP, DM, DC	HMI1PE63WVCO	On Request
FPE, 19w Full HD, PCAP, DM, DC	HMI1PE63WVCO	On Request
FPE, 22w Full HD, PCAP, DM, DC	HMI1PE63WVCO	On Request

(1) Available as Configured-to-order only and can be ordered using the online configurator.

(2) Available in Q4 2022.

(3) Available in Q4 2022.

(4) On the front panel when properly installed in an enclosure and not using the front panel USB port.

EcoStruxure Operator Terminal Expert — Touchscreen configuration software



EcoStruxure Operator Terminal Expert



- Operate intuitively
 - Ability to go beyond the limitations of the physical screen size to improve productivity
 - Convert already created Landscape screens into Portrait screens for vertical scrolling and for screens that require many operation switches
- Reduce time to market
 - Efficient and intuitive engineering
 - For faster customization and modification
- Improve efficiency
 - High usability and image quality for the operator (experience design)
 - With Web Viewer feature, watch/operate the HMI screen remotely with mirroring function

EcoStruxure Machine SCADA Expert - Lite SCADA for line management



EcoStruxure Machine SCADA Expert



- Save time
 - Quick and easy to install directly on our IPCs
 - Save days of testing and commissioning thanks to a fully tested and validated association
 - Tailored information at a glance using BI-Dashboard template
- Save money
 - Get peace of mind and save time and resources with our single point of contact for Hardware/Software/Operating System support
 - Access SCADA level software, with all its benefits, at a competitive cost/features ratio
- Connectivity and data management
 - Includes 250+ native communication drivers
 - Monitor and control remotely your application with Mobile Access, using a tablet or smartphone

Note: For Hardware HMI/EcoStruxure Machine SCADA Expert Remote (optional version) is available as an option in the online configurator

Vjeco Designer — Classic HMI configuration software



Vjeco Designer



- Multi-platform: from optimized panels to IPCs
- Multi-panel communication: automatic data sharing between up to 16 different panels
- Multi-language: 15 languages in runtime and 38 alphabets
- Multi-protocol: on COM and Ethernet ports
- Multi-access: local or remote display with Web Gate, Vjeco Designer Air and Vjeco Designer Air Plus
- Multi-media: video/sound recording/play capability

EcoStruxure Operator Terminal Expert - Touchscreen configuration software



- EcoStruxure Operator Terminal Expert allows you to create and edit application screens that control automation systems on Harmony GTU (Platinum and Open Edge), STO color/STG/STMs terminals, and Harmony Industrial PCs (Panel and Box).
- EcoStruxure Operator Terminal Expert features a modern and simple-to-use user interface, easy-to-access functions and information, and a multi-platform working environment. It also shortens design time by providing pre-made navigation framework.

Product Description	Reference	Unit Price (€)
Operator Terminal Expert Basic, Email	HMEE1CZ1SPWZ	On Request
Operator Terminal Expert Group, Email	HMPE1CZ1CPWZ	On Request
Operator Terminal Expert Pro, Email	HMPE1CZ1SPWZ	On Request
Operator Terminal Expert Team, Email	HMPE1CZ1TPWZ	On Request
Operator Terminal Expert Time T, Email	HMPE1CZ1SRWZ	On Request
Operator Terminal Expert Runtime, Email	HMPE1CZ1SPWZ	On Request
EcoStruxure OTE WebGUI RT Single Paper	HMWRT001	On Request
EcoStruxure OTE WebGUI RT Group Paper	HMWRT010	On Request
EcoStruxure OTE WebGUI RT Entry Paper	HMWRT100	On Request

EcoStruxure Machine SCADA Expert - Lite SCADA for line management



- EcoStruxure Machine SCADA Expert enables you to use the key features of Microsoft operating system and build a full featured SCADA or HMI project for your industrial automation business.
- EcoStruxure Machine SCADA Expert is designed in a modern, (tboot-based) Windows interface to provide an integrated and user-friendly development environment.
- EcoStruxure Machine SCADA Expert supports capabilities like scripting, animation, E-mail, protocols, security, tags database, multi-touch, alarms, trends, scalability, multilingual, FDA traceability, PDF export, graphics and design tools, and so on.
- For applications ranging from complex machine control and monitoring to plant supervision and SCADA, EcoStruxure Machine SCADA Expert with Harmony PC association makes industrial operations smooth and stress-free.

Product Description	Reference	Unit Price (€)
EMSE 3 Party 1.6K Tag RT License	HMEMSE3PRT1KA	On Request
EMSE 3 Party 3.2K Tag RT License	HMEMSE3PRT2KA	On Request
EMSE 3 Party 6.4K Tag RT License	HMEMSE3PRT4KA	On Request
EMSE 3 Party 6.4K Tag RT License	HMEMSE3PRT8KA	On Request
EMSE 1.6K Tag RT License	HMEMSE1T1KA	On Request
EMSE 3.2K Tag RT License	HMEMSE1T2KA	On Request
EMSE 6.4K Tag RT License	HMEMSE1T4KA	On Request
EMSE 6.4K Tag RT License	HMEMSE1T8KA	On Request
EMSE 1.6K Tag RT License	HMEMSE1T1KA	On Request
EMSE 3.2K Tag RT License	HMEMSE1T2KA	On Request
EMSE 6.4K Tag RT License	HMEMSE1T4KA	On Request
EMSE 6.4K Tag RT License	HMEMSE1T8KA	On Request
EMSE Thin Client	HMEMSE1CA	On Request
Woo XL USB Hard key	HMVVOUSB	On Request

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2020

Vijeo Designer — Classic HMI configuration software

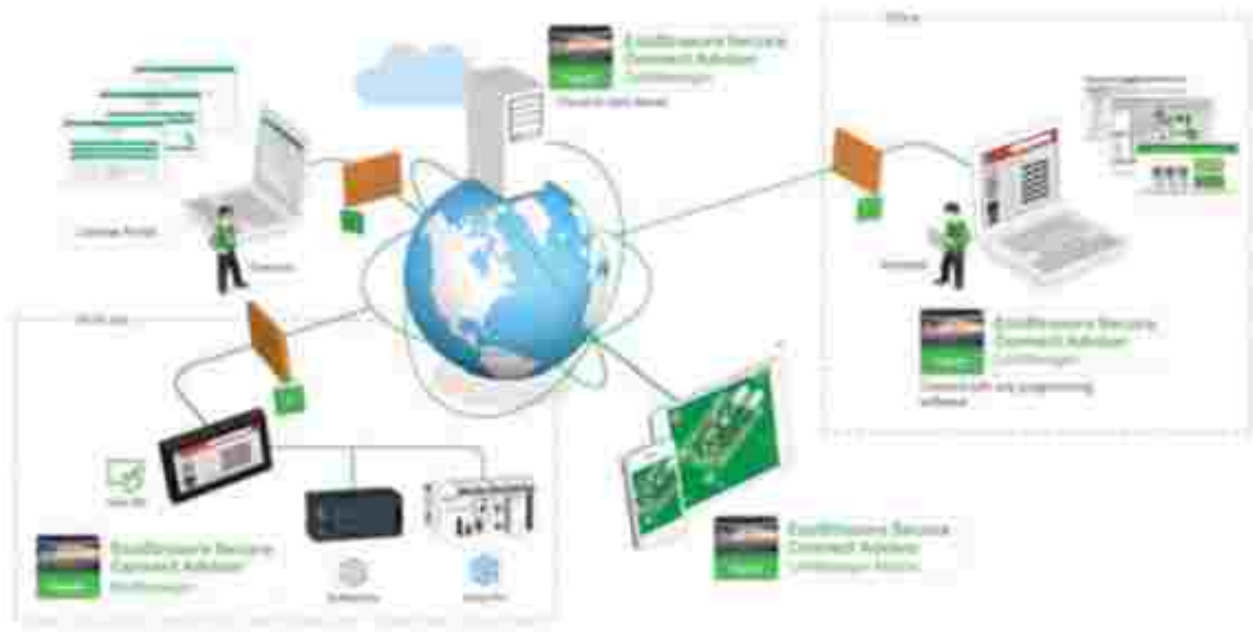


The cross-platform VijeoDesigner™ configuration software can be used to create operator dialogue applications for controlling automation systems for the following panels:

- Harmony S1U (Vijeo Designer Limited Edition is sufficient)
- Harmony G1D
- Harmony G1U
- Harmony G1UX
- Harmony G1K
- Magnum XRTCH portable
- Harmony Panel PCs and Box PCs (HMIEM1; HMIEM2; HMIPSP; HMIPSC; HMIPFP)
- Harmony I15

Product Description	Reference	Unit Price [1]
Vijeo Designer Single License	VJDSM1120V2M	On Request
VJD Runtime PC Single email	VJDRPC21SPWZ	On Request
VJD Runtime Harmony PC Single email	VJDRPC21SPWZ	On Request

EcoStruxure Secure Connect Advisor — Secure remote access solution



- Provides a secure connection between remote display units on the work site (via SiteManager Embedded) and computers or smart devices in the office (via LineManager) over a secure central server (DataManager).
- With EcoStruxure Secure Connect Advisor, maintenance personnel can access Schneider Electric software and update it remotely and securely via the HMI, PLC, and other connected devices as if they were on site.
- Troubleshooting and repairs can be performed remotely upon request.

EcoStruxure Augmented Operator Advisor - Augmented reality for instant diagnosis and contactless maintenance



EcoStruxure
Augmented
Operator Advisor



- Reduces downtime by opening electrical cabinet doors virtually and diagnosing the device status instantly in real-time without the need for lockout or electrical qualifications.
- Speeds up the efficiency of operations and maintenance by offering immediate access to relevant information in the field like real-time data, machine history, user manuals, instructions, diagrams, etc.
- Enables technicians to locate the right equipment and guides them step-by-step to complete the procedures.

EcoStruxure Secure Connect Advisor - Secure remote access solution



EcoStruxure Secure Connect Advisor provides a secure connection between remote display units on the work site (via SiteManager i embedded) and computers or smart devices in the office (via LinkManager) over a secure control server (GateManager). With EcoStruxure Secure Connect Advisor, technicians and programmers can remotely access the Schneider Electric software and securely update it via the HMI, PLC, and other connected devices just as though they were present on site. Troubleshooting and repair can also be performed remotely upon request.

Product Description	Reference	Unit MRP IT
View Connect Link Manager License	VJOCNTLM	On Request
View Connect Link Manager Mobile Lic	VJOCNTLMM	On Request
Secure Connect Enterprise Pack	VJOCNTPRO:NT	On Request
Secure Connect Essential Pack	VJOCNTPRO:ES	On Request
View Connect Site Manager Basic License	VJOCNTSMBAS9C	On Request
View Connect Site Manager Ext 10 Lic	VJOCNTSMEXT10	On Request
View Connect Site Manager Ext 5 Lic	VJOCNTSMEXT5	On Request
View Connect User Licenses	VJOCNTSTA	On Request
View Connect Gate Manager PremiumAccess	VJOCNTGM:PM	On Request

EcoStruxure Augmented Operator Advisor- Augmented reality for instant diagnosis and contactless maintenance



EcoStruxure Augmented Operator Advisor App interface

EcoStruxure Augmented Operator Advisor puts real-time information at your fingertips, whenever and wherever it is needed. The custom application improves operational efficiency with augmented reality, enabling operators to superimpose current data and virtual objects onto a cabinet, machine, or plant. This software combines contextual and local dynamic information for mobile users, enabling them to experience a fusion of the physical, real-life environment with virtual objects.

Product Description	Reference	Unit MRP IT
Augmented Operator Builder Performance	AOABM3C/M5XA/Z	On Request
AOA Builder Op Custom App Theme n Lic	AOABM3N/M5XA/Z	On Request
Augmented Operator Builder Essential	AOARS3C/Z55XA/Z	On Request
Augmented Operator Builder Ess Renewal	AOAR53C/Z55XA/Z	On Request
AOA Builder Op Local Prog n Lic	AOALPJC/Z55PA/Z	On Request
Augmented Operator Builder Perf Renewal	AOARM3C/M5XA/Z	On Request
Augmented Operator RT Perf Level 1	AOARM1C/M5PA/Z	On Request
Augmented Operator RT Perf Level 2	AOARM2C/M5PA/Z	On Request
Augmented Operator RT Perf Level 3	AOARM3C/M5PA/Z	On Request
Augmented Operator RT Essential Level 1	AOARS1C/Z55PA/Z	On Request
Augmented Operator RT Essential Level 2	AOARS2C/Z55PA/Z	On Request
Augmented Operator RT Essential Level 3	AOARS3C/Z55PA/Z	On Request
Augmented Operator RT Multi areas	AOARD3C/Z55PA/Z	On Request

Please contact Customer care center for Stockable and Non stockable status of references.

■ MRP/IT STOCK ITEMS

W.E.F. January 30th, 2023

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

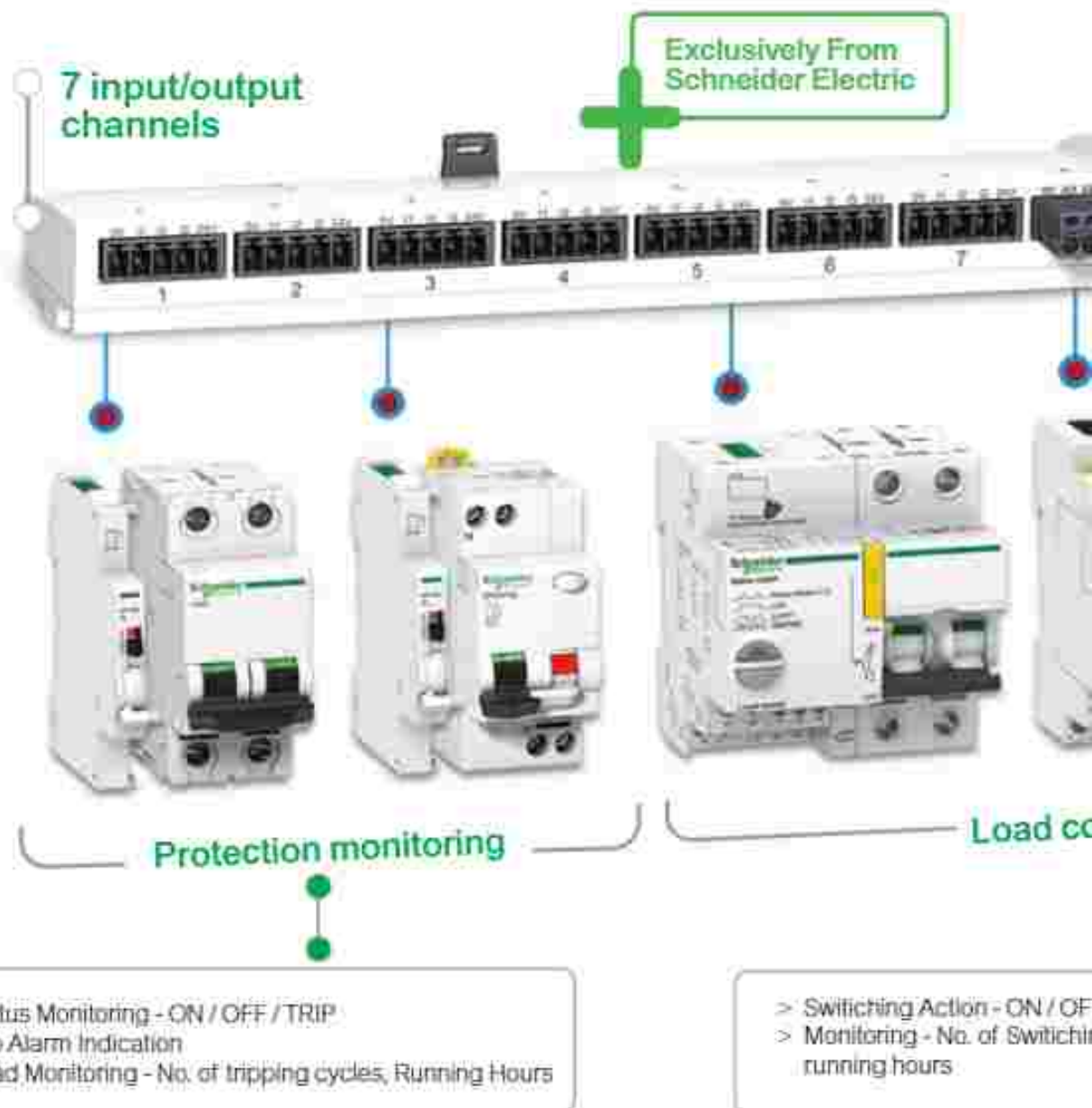
- One-click, prefabricated wiring for comprehensive communication between your distribution board or panel and any facility management system

> Reliable

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

NEW

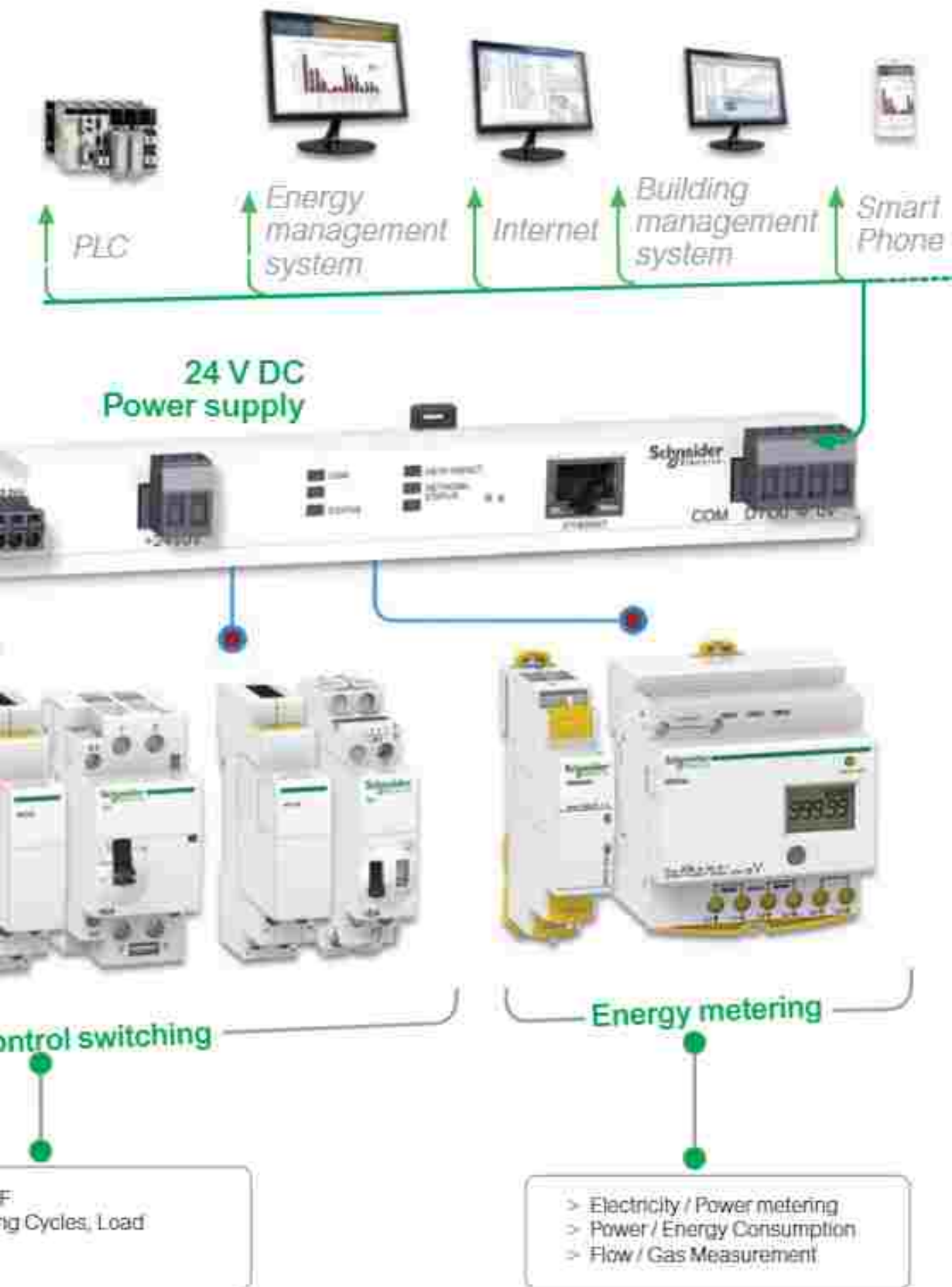
Email Notification upon Event (Devices Status Change, Alarm threshold reached etc.)



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



ComReady



Green Premium

- Breaking Capacity as per IEC 60898 and IEC 60898-1, $I_{cn} = 10kA$
- Breaking Capacity as per IEC 60847-2, $I_{cn} = 15kA$, upto 40A
- Can be used for DC application upto 60V per pole
- Higher system performance with optimised cost: Cascading*
- Increased System Continuity: Discrimination*
- Higher installation LM: Energy Limitation Class 3; Fast Circuit Mechanism
- Ease, Speed and Flexibility of Installation - Bi-connect, Line-Load Reversible
- Field-installable accessories for advance protection and monitoring
- Positive Contact Indication for assurance of disconnection

[mm] 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	
MDQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	
B curve								
6	AGN1P06B	402	AGN2P06B	1312	AGN3P06B	2177	AGN4P06B	2803
10	AGN1P10B	442	AGN2P10B	1352	AGN3P10B	2177	AGN4P10B	3004
16	AGN1P16B	442	AGN2P16B	1352	AGN3P16B	2177	AGN4P16B	2933
20	AGN1P20B	442	AGN2P20B	1352	AGN3P20B	2177	AGN4P20B	2933
25	AGN1P25B	442	AGN2P25B	1352	AGN3P25B	2177	AGN4P25B	2933
32	AGN1P32B	442	AGN2P32B	1352	AGN3P32B	2177	AGN4P32B	2933
40	AGN1P40B	966	AGN2P40B	2112	AGN3P40B	3316	AGN4P40B	4273
50	AGN1P50B	966	AGN2P50B	2112	AGN3P50B	3316	AGN4P50B	4280
63	AGN1P63B	942	AGN2P63B	2140	AGN3P63B	3344	AGN4P63B	4261
C curve								
1	AGN1P01C	678	AGN2P01C	1812	AGN3P01C	2967	AGN4P01C	3609
2	AGN1P02C	678	AGN2P02C	1812	AGN3P02C	2967	AGN4P02C	3609
3	AGN1P03C	678	AGN2P03C	1812	AGN3P03C	2967	AGN4P03C	3609
4	AGN1P04C	678	AGN2P04C	1812	AGN3P04C	2967	AGN4P04C	3609
6	AGN1P06C	409	AGN2P06C	1312	AGN3P06C	2177	AGN4P06C	2803
10	AGN1P10C	409	AGN2P10C	1312	AGN3P10C	2177	AGN4P10C	2933
16	AGN1P16C	409	AGN2P16C	1312	AGN3P16C	2177	AGN4P16C	2933
20	AGN1P20C	409	AGN2P20C	1312	AGN3P20C	2177	AGN4P20C	2933
25	AGN1P25C	409	AGN2P25C	1312	AGN3P25C	2177	AGN4P25C	2933
32	AGN1P32C	409	AGN2P32C	1312	AGN3P32C	2177	AGN4P32C	2803
40	AGN1P40C	988	AGN2P40C	2112	AGN3P40C	3316	AGN4P40C	4138
50	AGN1P50C	988	AGN2P50C	2112	AGN3P50C	3316	AGN4P50C	4261
63	AGN1P63C	973	AGN2P63C	2131	AGN3P63C	3428	AGN4P63C	4289
D curve								
1	AGN1P01D	686	AGN2P01D	1836	AGN3P01D	2912	—	—
2	AGN1P02D	686	AGN2P02D	1836	AGN3P02D	2912	AGN4P02D	3701
3	AGN1P03D	686	AGN2P03D	1836	AGN3P03D	2912	AGN4P03D	3608
4	AGN1P04D	686	AGN2P04D	1836	AGN3P04D	2912	AGN4P04D	3684
6	AGN1P06D	572	AGN2P06D	1346	AGN3P06D	2280	AGN4P06D	3042
10	AGN1P10D	572	AGN2P10D	1346	AGN3P10D	2280	AGN4P10D	3042
16	AGN1P16D	572	AGN2P16D	1346	AGN3P16D	2280	AGN4P16D	3042
20	AGN1P20D	572	AGN2P20D	1346	AGN3P20D	2280	AGN4P20D	3042
25	AGN1P25D	572	AGN2P25D	1346	AGN3P25D	2280	AGN4P25D	3042
32	AGN1P32D	572	AGN2P32D	1346	AGN3P32D	2280	AGN4P32D	3042
40	AGN1P40D	1038	AGN2P40D	2232	AGN3P40D	3517	AGN4P40D	4405
50	AGN1P50D	1092	AGN2P50D	2232	AGN3P50D	3512	AGN4P50D	4426
63	AGN1P63D	1049	AGN2P63D	2259	AGN3P63D	3544	AGN4P63D	4410

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

**18mm/module

AC Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60994, 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 60 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.	
MDQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	
C120N (10kA)								
60	AGN1B257 M	3017	AGN1B361 M	7991	AGN1B366 M	12665	AGN1B272 M	10263
100	AGN1B258 M	4346	AGN1B362 M	8526	AGN1B367 M	13367	AGN1B274 M	11048
125	AGN1B259 M	5652	AGN1B363 M	8571	AGN1B368 M	14843	AGN1B275 M	18296
C120H (15kA)								
60	AGN1B446	4365	AGN1B457	9619	AGN1B468	14756	AGN1B479	25474
100	AGN1B447	6997	AGN1B458	10958	AGN1B469	16076	AGN1B480	22700
125	AGN1B448	9254	AGN1B459	11411	AGN1B470	17349	AGN1B481	29900

DC Miniature Circuit Breakers - C60H



- Specially designed MCBs for enhanced protection in DC installations
- 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 I_{th}: 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 [€]
MDQ		12 Nos.			6 Nos.	
C60H-DC						
0.5	1	AGN61500	1039	2	AGN61508	3730
1	1	AGN61501 M	1239	2	AGN61521 M	2557
2	1	AGN61507 M	1726	2	AGN61527 M	2667
3	1	AGN61503 M	1239	2	AGN61573 M	2667
4	1	AGN61504 M	1239	2	AGN61524 M	2667
5	1	AGN61505 M	1239	2	AGN61525 M	2667
6	1	AGN61506 M	1018	2	AGN61526 M	2081
10	1	AGN61509 M	1018	2	AGN61529 M	2081
16	1	AGN61511 M	1018	2	AGN61531 M	2081
20	1	AGN61512 M	1018	2	AGN61532 M	2081
25	1	AGN61513 M	1018	2	AGN61537 M	2081
32	1	AGN61515 M	1167	2	AGN61535 M	2081
40	1	AGN61517 M	1396	2	AGN61537 M	1089
50	1	AGN61518 M	1396	2	AGN61538 M	3069
63	1	AGN61519 M	1396	2	AGN61539 M	3069

Special application MCBs



Solar Application - PV DC

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

Note:

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

*150V Application MCBs are also available on demand

**18mm module

Please contact Customer care center for Stockable and Non stockable status of references.

☑️ MCBs STOCK ITEMS



Rail Application* (including Rolling Stock)

- Free & stroke flexes term - Lead 2 (R: F: 16 101, N: 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: UL 1177, UL 489
- Breaking Capacity of 10kA
- Complies to IEC 60947-2 / UL 1077 / UL 489 / CSA

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 (£)
Modular Width*	1 mod		3 mod		4.5 mod		6 mod	
NG125N – 25kA Breaking Capacity								
10	18E10	4446	18E21	12719	18E32	18548	18E43	24828
16	18E11	5291	18E22	9846	18E33	18449	18E44	22428
20	18E12	5298	18E23	11874	18E34	18540	18E45	22427
25	18E13	5291	18E24	11851	18E35	17853	18E46	22428
32	18E14	5291	18E25	11946	18E36	18548	18E47	24813
40	18E15	6823	18E26	14475	18E37	24262	18E48	31118
50	18E16	8513	18E27	18388	18E38	23014	18E49	30011
63	18E17	8823	18E28	18801	18E39	27764	18E50	33781
80	18E18	1196	18E29	18631	18E40	28661	18E51	33833
NG125H – 30kA Breaking Capacity								
10	18V05	7893	18V14	10366	18V23	18204	18V32	26098
16	18V06	6214	18V15	10643	18V24	18704	18V33	28799
20	18V07	7565	18V16	20112	18V25	22146	18V34	28798
25	18V08	6221	18V17	13664	18V26	21663	18V35	28105
32	18V09	6223	18V18	13664	18V27	23151	18V36	28006
40	18V10	6221	18V19	15783	18V28	23526	18V37	34148
50	18V11	7758	18V20	17077			18V38	35073
63	18V12	7981	18V21	18326			18V39	38500
80	18V13	8700	18V22	23041	18V31	31246	18V40	40834
NG125H – 50kA Breaking Capacity								
10	18V77	3113	18V88	12505	18V99	28267	18V10	35581
16	18V78	7760	18V89	10962	18V00	28665	18V11	35581
20	18V79	7760	18V90	18282	18801	28858	18V12	35581
25	18V80	7760	18V91	18275	18802	28707	18V13	35591
32	18V81	7760	18V92	18275	18803	29317	18V14	37099
40	18V82	8418	18V93	21748	18804	36051	18V15	44174
50	18V83	13226	18V94	22847	18805	37532	18V16	48666
63	18V84	3884	18V95	25867	18806	38260	18V17	51076
80	18V85	5763	18V96	28880	18807	41038	18V18	50093

**12mm module

Note: References 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 12645
- 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 (8mm/module)	2 Pole Reference	Unit MRP (₹)	Module Width (8mm/module)	4 Pole Reference	Unit MRP (₹)
25	30	2	AGN16201	1650	4	AGN16251	5401
	100	2	AGN16203	5051	4	AGN16253	5882
	300	2	AGN16202	5215	4	AGN16252	7002
40	30	2	AGN16204	5367	4	AGN16254	6381
	100	2	AGN16205	6787	4	AGN16255	6540
	300	2	AGN16206	6993	4	AGN16256	7191
63	30	2	AGN16208	6453	4	AGN16258	7796
	100	2	AGN16209	8261	4	AGN16259	8001
	300	2	AGN16210	7091	4	AGN16260	8119
100	30	2	AGN16212	10066	4	AGN16261	12670
	100	2	AGN16213	11947	4	AGN16262	13077
	300	2	AGN16214	11253	4	AGN16263	13146

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

Rules Description	[In] Rated Current (A)	Earth Leakage Sensitivity (mA)	Module Width (8mm/module)	Reference	Unit MRP (₹)
ID	100	30	4	**AGN11491	—
		100	4	**AGN12491	—
	125	30	4	16905	52673
		100	4	16906	51265
		300	4	16907	51524

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

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



- Complies to standards IEC/EN 61009
- AC Class Protection, tripping characteristics - C curve
- Overvoltage category (U/C 00364): IV
- Suitable for indication & tripping auxiliaries

Rules Description	[In] Rated Current (A)	Earth Leakage Sensitivity (mA)	Module Width (8mm/module)	Reference	Unit MRP (₹)
DPN	6	30	2	AGN106B1	770
		300	2	AGN106B1	755
	10	30	2	AGN106C1	770
		300	2	AGN106C1	755
	16	30	2	AGN106D5	770
		300	2	AGN106D5	755
	20	30	2	AGN106E6	770
		300	2	AGN106E6	755
	25	30	2	AGN106F7	770
		300	2	AGN106F7	755
	32	30	2	AGN106G8	770
		300	2	AGN106G8	772
	40	30	2	AGN106H9	950
		300	2	AGN106H9	952

Note: Application specific RCCs also available with 10mA, 50mA and 100mA 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.

55 NORMAL STOCK ITEMS

WEF January 30th, 2023

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



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

(In) Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width (mm/module)	2 Pole Reference	Unit SPD* (T)	Module Width (mm/module)	4 Pole Reference	Unit SPD* (T)
25	30	2	AGN16234	10009	4	AGN16321	11823
40	30	2	AGN16237	11543	4	AGN16324	12106
63	30	2	AGN16240	11462	4	AGN16327	12523
	300	2	AGN16246	11549	4	AGN16334	13024

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



- Flexibility to use MCBs 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 (mm/module)	2 Pole Reference	Unit SPD* (T)	Module Width (mm/module)	4 Pole Reference	Unit SPD* (T)
25	30	1.5	AGN26581	9605	3	AGN26595	9000
	100	1.5	AGN26582	9601	3	AGN26596	9716
	300	1.5	AGN26583	10390	3	AGN26597	10456
63	30	2	AGN26611	10490	3.5	AGN26643	10520
	100	2	AGN26612	11109	3.5	AGN26644	10920
	300	2	AGN26613	11634	3.5	AGN26645	11442

Note: Vigi Block for High Rating up to 125A (C125) and High Breaking Capacity (NC125) available on demand.

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



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

Poles Description	(In) Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width (mm/module)	Reference	Unit SPD* (T)
1P+N	6	30	2	AGN19631	14417
		300	2	AGN19641	12997
	10	30	2	AGN19632	14417
		300	2	AGN19642	12989
	16	30	2	AGN19634	14417
		300	2	AGN19644	14417
	20	30	2	AGN19635	12997
		300	2	AGN19645	12997
	25	30	2	AGN19636	14417
		300	2	AGN19646	12997
	32	30	2	AGN19637	14417
		300	2	AGN19647	12997
	40	30	2	AGN19638	11070
		300	2	AGN19648	10996

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

†For prices, please contact nearest Schneider Electric Sales Office or Customer Care Center and prices.

Please contact Customer care center for Stockable and Non stockable status of references.

SD MINIMAL STOCK ITEMS

W.E.F. January 30th, 2023

Common Auxillaries for xC60 / C120 / RCDs Range

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



Type	Module Width (28mm/30mm/36mm)	Reference	Unit MRP [€]
Indication Auxillaries			
OF Auxiliary Switch for ON/OFF Indications	0.5	A9N26921	1413
SD Alarm Switch for Trip on fault indications	0.5	A9N26927	1699
OF + SD0F Auxiliary switch	0.5	A9N26929	2401
OF + SD3M auxiliary contact (Com/Ready)	0.5	A9N26889	3094
Protection Auxillaries – Trip Indication on front face			
MN Under voltage Release 220-240V AC	1	A9N26960	3836
MSU Over voltage Release 275V AC	1	A9N26961	4029
Tripping Auxillaries – Trip Indication on front face			
MX + OF Shunt Release 110-115V AC for Remote tripping of Circuit Breaker	1	A9N26916	3961
MX + OF Shunt Release 12-24V AC/DC for Remote tripping of Circuit Breaker	1	A9N26948	3661
Auxiliary Switch for RCCBs – Mandatory for use of Auxillaries with RCCBs			
Auxiliary switch for RCCB up to 80A (OF S)	0.5	A9N26923	3654
Auxiliary switch for RCCBs 125A (OF SR)	0.5	16940	2785

Accessories



Type	Description	Reference	Unit MRP [€]
Rotary Handle*	Breaker Switching Sub Assembly	21046	8384
	Extended, Disconnectable handle	21017	3029
Padlock** (bag of 7)		26210	1266
Multicable terminal for 3 copper cables**		10036	10000
Aluminum cable terminal**		21060	152
Spacer		A9N26927	311

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

** for xC60, x10, DFN N Vigi, C60H DC, xSW, C60N/DC

Note: For all above Reference MOQ = 1

Please contact Customer care center for Stockable and Non-stockable status of references.

SEE MOBILE STOCK STATUS

WE1 January 30th, 2023

Protection Against Lightning Strikes And Switching Surges



For all low voltage switchboards and electrical enclosures:

Comprehensive range

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

Continuity of service and certified safety

Schneider Electric certified coordination between the surge arrester and its disconnection circuit breaker.
Compliance with standards: IEC/EN 61643-11.



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



90%

of power outlets supply equipment incorporating electronic devices.



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



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

Surge Arresters - Type 1+2



- Complies to IEC 61643-1 and EN 61643-11
- Withdrawable type: Easy Replacement
- Inbuilt SPD health indicator. Also available with remote signaling
- For protection against Direct lightning surge, indirect lightning surge, Switching surge
- Imp up to 75kA & Imax upto 40kA
- Always use a Back-up MCB with your SPD
- Maximum Operating Voltage (Uoc): 360V

Type	Pole Description	Module Width (Terminals)	Reference	Unit MRP [€]
IPR1 25k	1P	2	16329	2300
	1P+N	4	16330	4168
	3P	6	16331	6217
	3P+N	8	16332	7918

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



- In conformance with standards IEC 61643-11/2011, I2 and EN 61643-11 Type 2
- For protection against indirect lightning surge and Switching surge
- Inbuilt health indicator
- Response time < 25ns
- Imax (I/20 s): 65kA/15kA
- Maximum Operating Voltage (Uoc): 360V
- Level of protection, Up: 1.0 - 2.0 kV
- Remote indication contact with 8/20/40/60s
- Always use a Back-up MCB with your SPD

Type	Rated Voltage (V)	Pole Description	Module Width (Terminals)	Reference	Unit MRP [€]
IPRD3	230	1P	1	ADR 06100	5574
	230	1P+N	2	ADR 06500	10611
	230/400	3P	3	ADR 06300	14349
	230/400	3P+N	4	ADR 06600	21638
IPRD3e	230	1P+N	2	ADR 06501	12745
	230/400	3P+N	4	ADR 06601	25041
IPRD20	230	1P	1	ADR 20100	8372
	230	1P+N	2	ADR 20500	13365
	230/400	3P	3	ADR 20300	17106
IPRD20e	230/400	3P+N	4	ADR 20600	24107
	230	1P+N	2	ADR 20501	15582
	230/400	3P+N	4	ADR 20601	29675
IPRD40	230	1P	1	ADR 40100	7534
	230	1P+N	2	ADR 40500	16300
	230/400	3P	3	ADR 40300	22094
	230/400	3P+N	4	ADR 40600	30009
IPRD40e	230	1P	1	ADR 40101	867
	230	1P+N	2	ADR 40501	19643
	230/400	3P	3	ADR 40301	29733
IPRD40e	230/400	3P+N	4	ADR 40601	36077
	230	1P	1	ADR 65101	11641
	230	1P+N	2	ADR 65501	25200
IPRD60e	230/400	3P	3	ADR 65301	33002
	230/400	3P+N	4	ADR 65601	42827

Spare Cartridges for IPRD



- Spare Cartridges for IPRD3, IPRD20, IPRD40 and IPRD60
- End of life Indication available on front face
- These Cartridges are not compatible with Old SPD range (ADR 16...)

Type	Spare Cartridge for	Reference	Unit MRP [€]
IPRD 65 350	IPRD60e	ADR 65102	7561
IPRD 40 350	IPRD40, IPRD40e	ADR 40102	5817
IPRD 20 350	IPRD20, IPRD20e	ADR 20102	1667
IPRD 8 350	IPRD8, IPRD8e	ADR 08102	8081
IPRD Neutral	All products (1P+N, 3P+N)	ADR 00002	8121

**Spare Cartridges for Old SPD Range (ADR 16...) are available on demand - please contact nearest Schneider Electric Sales Office or Customer Care for Reference and prices.

Note: Note: For all status Reference MDD - 1

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCKINGS

WE1 January 30th, 2023

Acti 9

Advanced Communication
Technology that inspires...

Surge Protection Devices

for protection of equipment against Lightning and Switching surges

Quick 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: Quick PRD 40r (High Risk level) and Quick PRD 20r (Moderate Risk level)
- Secondary Protection: Quick PRD 8r is cascade mounted with incoming surge arresters

Type	Pole Description	Module Width 18mm/module	Reference	Unit MRP [€]
Quick PRD 8r	1P+N	8	A9E.16298	16307
	3P	6.5	A9E.16299	23307
	3P+N	7.5	A9E.16300	29026
Quick PRD 20r	1P+N	8	A9E.16295	11670
	3P	6.5	A9E.16296	22497
	3P+N	7.5	A9E.16297	34875
Quick PRD 40r	1P+N	8	A9E.16292	22240
	3P	6.5	A9E.16293	33319
	3P+N	7.5	A9E.16294	45838

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 to 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 (cspv) Maximum Operating Voltage (V)	Module Width 18mm/module	Reference	Unit MRP* [€]
IPVD 40r	600	3	A9E.40271	12410
	1000	3	A9E.40281	14474

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

Surge Arresters for Communication Networks



- Analogue telephone line protection: IPFC 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	[Max] Operational Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [€]
IPRI	48 VDC	1	A9E.16339	22589
IPFC	130 V AC	1	A9E.16337	12543

Note: For all above Reference MOQ = 1

Please contact Customer care center for Stockable and Non stockable status of references.

Acti 9 MCBs: STOCK ITEMS

W.E.F. January 30th, 2023

Isolator - xSW



- Complies to IEC/EN 60347-3
- Switching duty: AC-22
- Impulse voltage: 8kV
- DC application: 48V (110V with 2 poles in series)
- Short circuit withstand 20 In for 1 second
- Up to 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	ABS2P040	863
	63	2	6	ABS2P063	1140
	80	2	6	ABS2P080	1239
	100	2	6	ABS2P100	1308
	125	2	6	ABS2P125	2113
3	40	3	4	ABS3P040	1508
	63	3	4	ABS3P063	1766
	80	4	3	ABS4P080	1909
4	63	4	3	ABS4P063	2078
	100	4	3	ABS4P100	2476
	125	4	3	ABS4P125	3842

Selector Switch - ISSW



- Complies to IEC 60947-6-1 and IEC 60609-1
- 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 CO	1	12	AGE18010	1586
	2	2 CO	2	6	AGE18021	2538
		1NO + 1NC	1	12	AGE18022	1470
3	1	1 CO	1	12	AGE18073	1779
	2	2 CO	2	6	AGE18074	3062

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	ABA15327	3292
8...12V AC	1	ABA15323	1204

ICT Contactors



- Complies with standards IEC 1095, ENEC 1095
- 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
- Short operation (200%) for entire range

Type	Rating (A)	No. of Contacts	Module Width 18mm/module	Reference	Unit MRP [€]
1P	25	1NO	1	ARC20131	2720
	16	2NO	1	ARC22112	2900
2P	25	2NO	1	ARC20132	3388
	40	2NO	2	ARC20802	6027
	63	2NO	2	ARC20803	7917
3P	25	3NO	2	ARC20823	4313
	40	3NO	2	ARC20843	8678
	63	3NO	3	ARC20863	10407
4P	25	4NO	2	ARC20834	4517
	40	4NO	2	ARC20844	11163
	63	4NO	3	ARC20864	11760
	63	2NO + 2NC	3	ARC20868	13188

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

ITL Impulse Relays



- Complies with standards IEC/EN 60560-2-2
- Safe maintenance: disconnection of remote control by selector switch
- Manual Controls on front face: 0-1 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	ARC30811	1754
	32	230/240 VAC	1NO	1	ARC30831	2220
2P	16	230/240 VAC	2NO	1	ARC30812	2080
	32	230/240 VAC	2NO	1	ARC30832 + ARC32836	6771
3P	16	230/240 VAC	1NO+1NO/NC+1NO	2	ARC30813 + ARC32836	5476
	32	230/240 VAC	1NO+1NO/NC+1NO	2	ARC30833 + 2" x ARC32836	11322
4P	16	230/240 VAC	4NO	2	ARC30814	6871
	32	230/240 VAC	4NO	2	ARC30833 + 2" x ARC32836	16873

iLL Indicator Lights



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

Type	Colour	Module Width 18mm/module	Reference	Unit MRP [€]
Single Indicator light	Red	1	AGL 18320	1824
	Green	1	AGL 18321	1824
	Blue	1	AGL 18323	1824
	Orange	1	AGL 18324	1824
3 phase voltage presence light	Red/Red/Red	1	AGL 18327	5289
Single Push Button (1 NO+ 1NC)	Grey	1	AGL 18333	2466

Note: For all above Reference MOQ = 1

Please contact Customer care center for Stockable and Non stockable status of references.

▲ MRRM: STOCK ITEMS

W.E.F. January 30th, 2023

Acti 9

Advanced Communication
Technology that Inspires...

ComReady Control and Command Products

Smartlink



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

Description	Reference	Unit MRP (₹)
Wiser Energy Module 3P	11FD1800	29800

Communication Auxiliaries



Auxiliary for Protection Devices (CF + S224)

Auxiliary for Contactors (ACT24)

Auxiliary for Input Relays (AIR24)

Description	Module Width	Reference	Unit MRP (₹)
CF + S224	0.5	A0C25000	2000
ACT24	1	A0C15004	17800
AIR24	1	A0C16004	18700

Acti 9

Description	Reference	Pack	Unit MRP (₹)
Distribloc 63A			
Distribution from the top of Module	04040	1	11671
Distribution through the bottom of Module	04041	1	11671

Reflex IC60 - Integrated Control & Overcurrent Protection Device



- All in One Solution: MCCB + Contactor + Input Relay + Auxiliary
- 10KA Breaking capacity as per IEC/EN 60947-2.
- I2M 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 visibility

[In] Rated Current (A)	2 Pole Reference	Unit MRP (₹)	3 Pole Reference	Unit MRP (₹)	4 Pole Reference	Unit MRP (₹)
Module Width **	4.5 mod.		5.5 mod.		6.5 mod.	
B Curve						
10	A9C61210	6980	A9C61310	51297	A9C61410	56047
16	A9C61216	4925	A9C61316	51250	A9C61416	54948
25	A9C61225	4906	A9C61325	51267	A9C61425	54948
40	A9C61240	5201	A9C61340	54815	A9C61440	56347
63	A9C61263	6390	A9C61363	5694	A9C61463	61611
C Curve						
10	A9C62210	4962	A9C62310	52821	A9C62410	56174
16	A9C62216	4962	A9C62316	53887	A9C62416	56214
25	A9C62225	4962	A9C62325	52821	A9C62425	56174
40	A9C62240	5268	A9C62340	54844	A9C62440	56395
63	A9C62263	65177	A9C62363	5694	A9C62463	62890
D Curve						
10	A9C63210	6090	A9C63310	53886	A9C63410	56327
16	A9C63216	5852	A9C63316	53886	A9C63416	56327
25	A9C63225	6090	A9C63325	53886	A9C63425	56327

Note: **1 limit module

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

EcoStruxure™ Innovation At Every Level

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



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

Schneider Electric Q4 2019
Market Report

Connected Products:

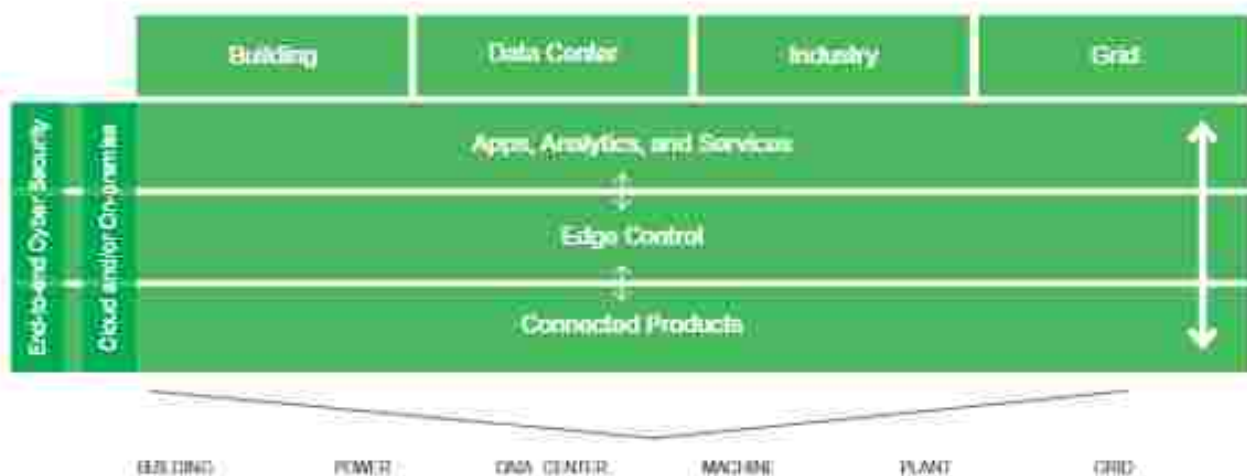
The Internet of Things starts with the best things. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

Edge Control:

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

Applications, Analytics, and Services:

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



Connectivity built in

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



1. Enable asset management on all outgoing ways with PowerTag



2. Smartlink SID for wireless data concentration



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



4. Monitor and control your assets with SiB Smartlink

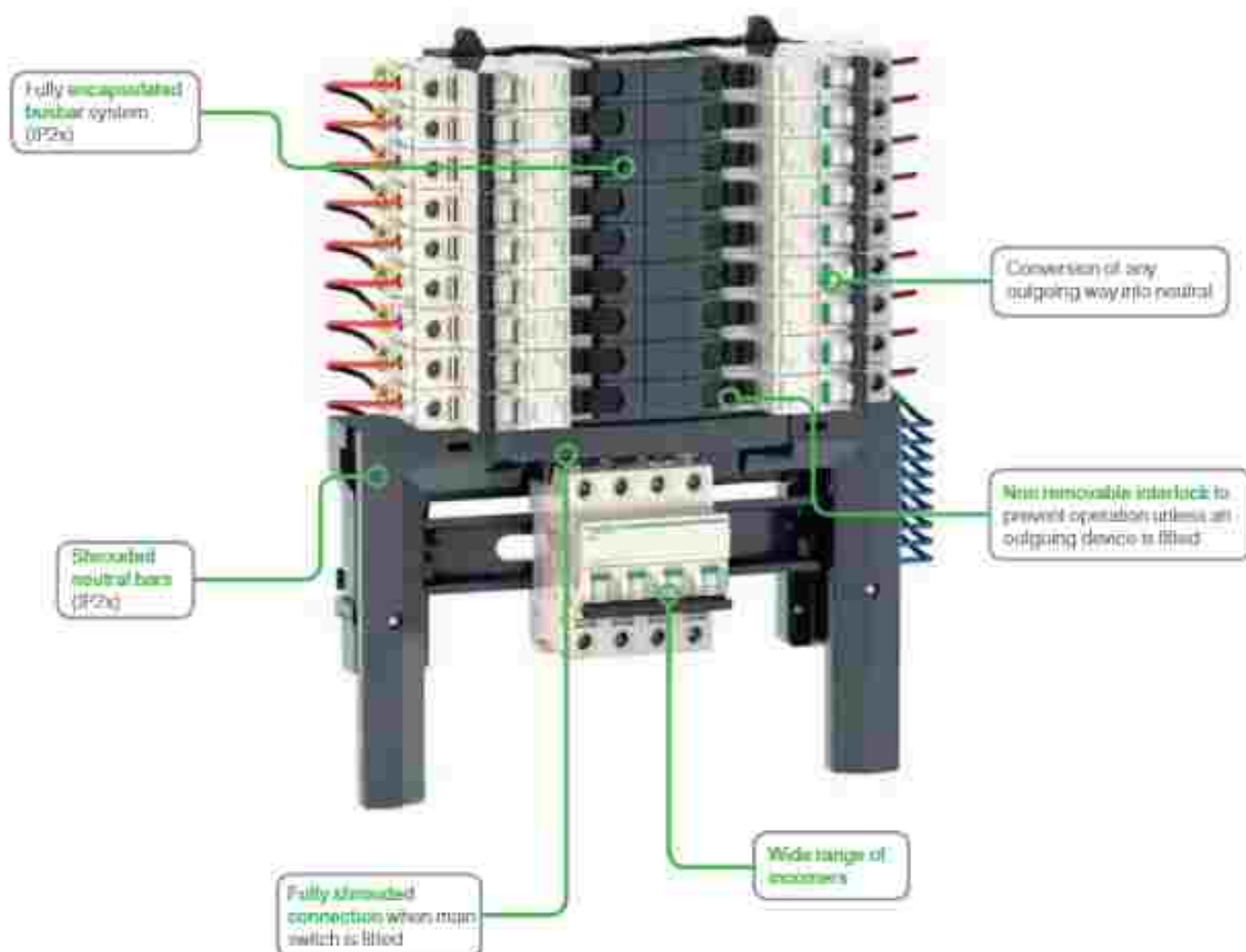


5. See the power and optimize the use of your assets with Facility Expert our simple on-line services platform



Acti 9

Isobar Pan Assembly



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

Description	Double Door Metal (IP43) Reference	Unit LP (€)
Acti9 Isobar B - pan assembly - 16 ways IP1 + earth + neutral	SE A9R916P1V	*
Acti9 Isobar B - pan assembly - 18 ways IP1 + earth + neutral	SE A9R918P1V	*
Acti9 Isobar B - pan assembly - 24 ways IP1 + earth + neutral	SE A9R924P1V	*
Acti 9 - IP blank terminal block (no electrical connection)	SE A9R01	*
Isobar B - neutral bar - 1N - for distribution board - 16 ways	SE A9N616	*
Isobar B - neutral bar - 1N - for distribution board - 18 ways	SE A9N618	*
Isobar B - neutral bar - 1N - for distribution board - 24 ways	SE A9N624	*
Isobar A - neutral bar - 1N - for distribution board - 4 ways IP+N	SE A9N411	*
Acti 9 - terminal block - 250A	SE A9N1250TH	*
Acti 9 Isobar B - MCCB/intercept connection kit	SE A9N120KI	*

* - Price on Request

Please contact Schneider Electric Customer Care Center for Prices

■ NORMAL STOCK ITEMS

W.E.F. January 24, 2022

Acti 9

Distribution Boards

Spectacular Design

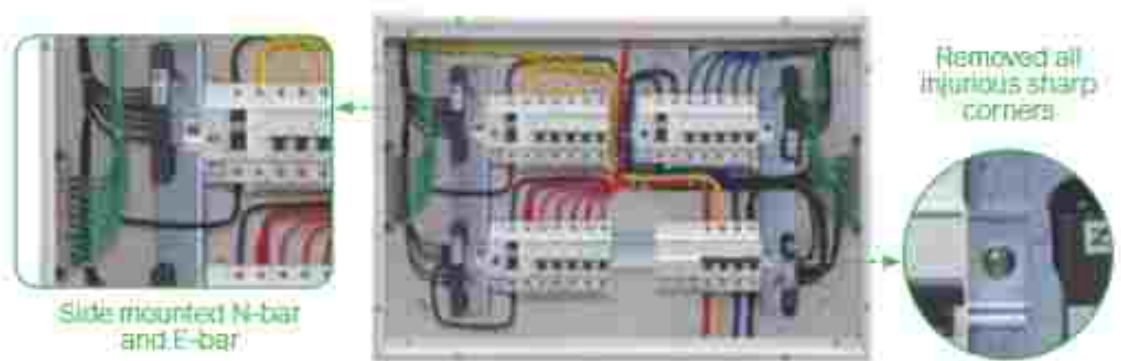
Blends seamlessly with interiors



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

Base Material used - Galvanized Iron

4X Rust Resistance



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

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

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

Technically Proven

Safety Guaranteed



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

Type Tested as per IEC 61439 - 1 & 3



IEC 61439 - 3* Fully Compliant

*Tested at NABL and ASTA accredited testing facility



Salt Spray



IP4X



IK09



Restrain Door



Latching



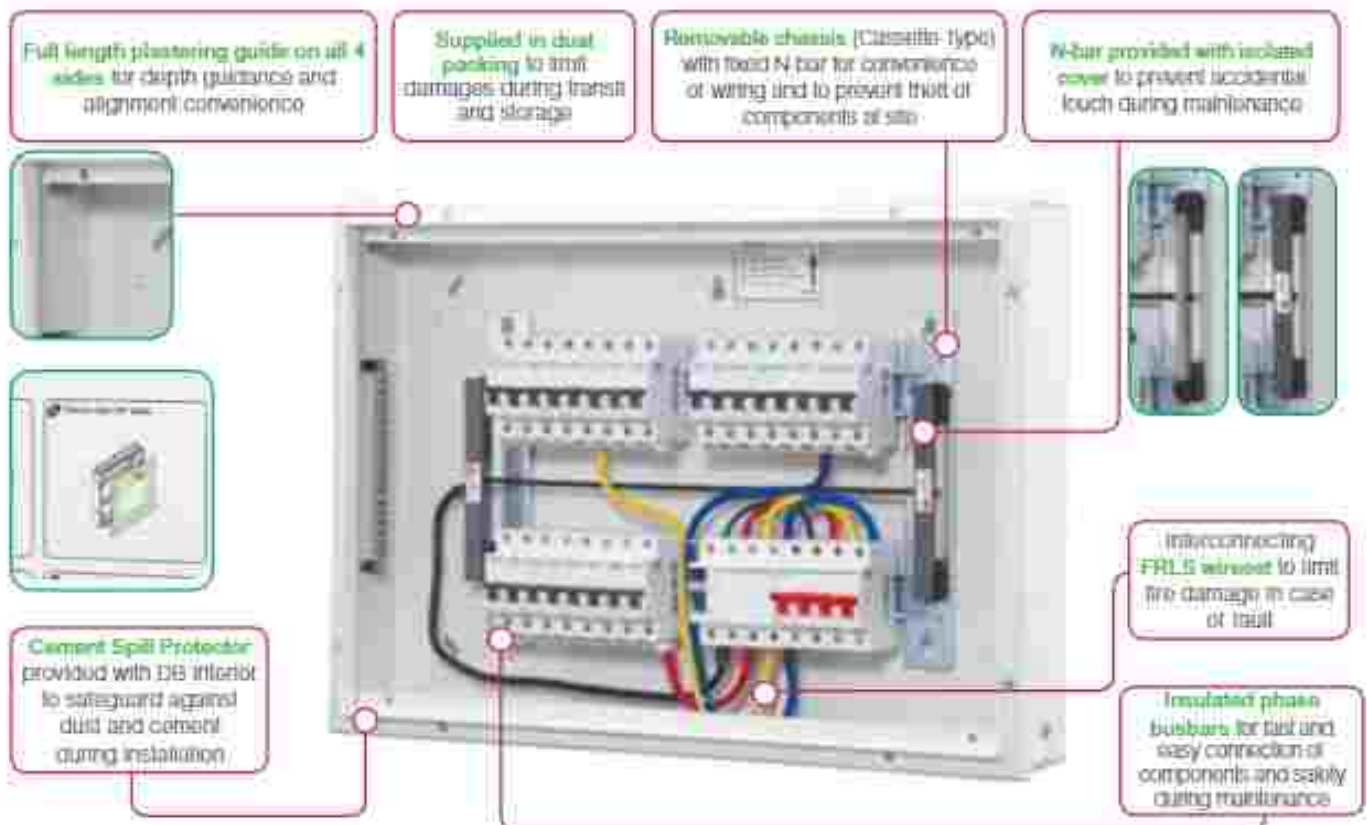
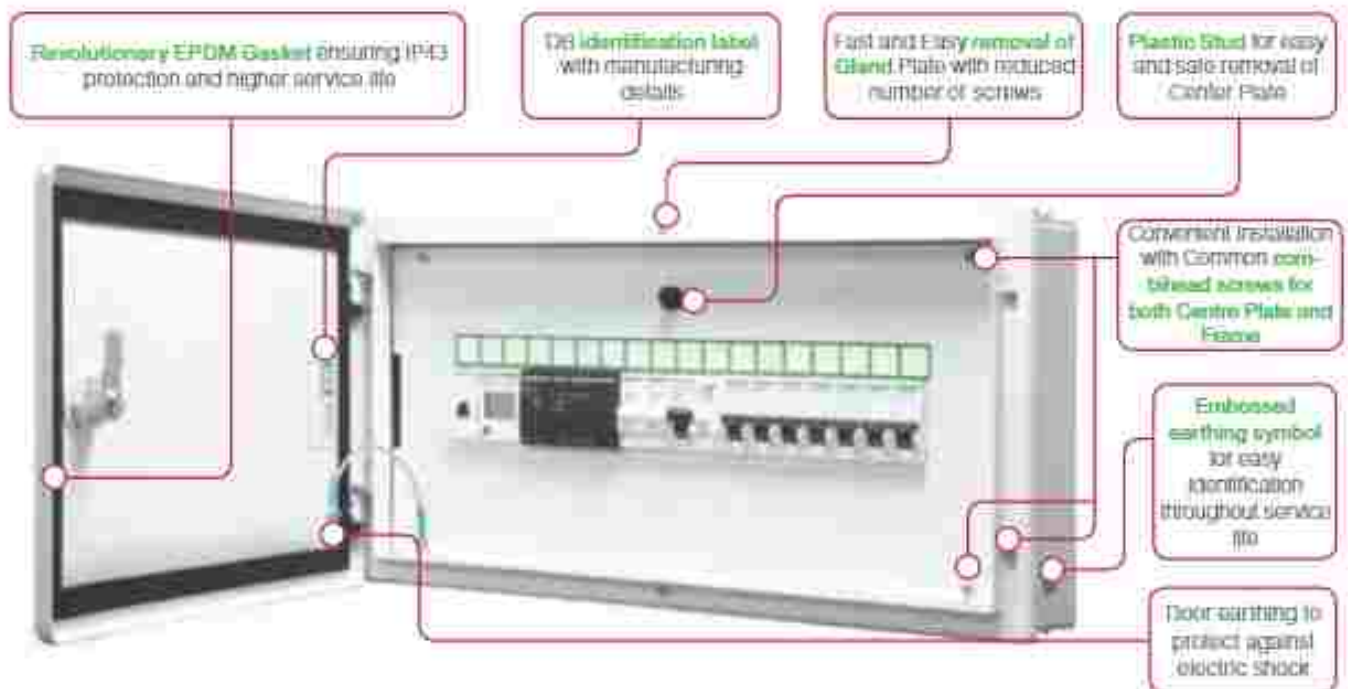
Impact
MVA Curt

Mechanical Tests

Electrical Tests

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 Count	Single Door (IP30) Reference	Unit MRP (₹)
2 way	1 / 2	ADRME302 id	1039
4 way	3 / 4	ADRME304 id	1039

SPN DBs



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

Description	Total Module Count (Incoming + Outgoing)	Single Door (IP30) Reference	Unit MRP (₹)	Double Door Metal (IP43) Reference	Unit MRP (₹)
6 way	6	ADRSPN06	2013	ADRSPN06 id	2892
8 way	8	ADRSPN08 id	2207	ADRSPN08 id	3152
12 way	12	ADRSPN12	2925	ADRSPN12 id	3790
18 way	18	ADRSPN18	3884	ADRSPN18 id	5078

TPN DBs



- Standard TPN DBs for distribution of Three Phase and Neutral supply
- Incoming - 3P RCCB/RCCBO/Isolator/MCB
- Outgoing - SP MCBs

Description	Total Module Count (Incoming + Outgoing)	Single Door (IP30) Reference	Unit MRP (₹)	Double Door Metal (IP43) Reference	Unit MRP (₹)
4 way 000	4 + 12	ADRTPN04	5771	ADRTPN04 id	7541
4 way	8 + 12	ADRTPN04 id	5771	ADRTPN04 id	7638
6 way	8 + 18	ADRTPN06	7222	ADRTPN06 id	7722
8 way	8 + 24	ADRTPN08	7968	ADRTPN08 id	8527
12 way	8 + 36	ADRTPN12	11858	ADRTPN12 id	12538

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 TPN DB using 'TPN Kit' provided on next page

Description	Total Module Count (Incoming + Outgoing)	Single Door (IP30) Reference	Unit MRP (₹)	Double Door Metal (IP43) Reference	Unit MRP (₹)
2 Tier 24 Modules	2 x 12	---	---	ADRFT224	8155
3 Tier 36 Modules	3 x 12	---	---	ADRFT336	9794
4 Tier 40 Modules	4 x 10	---	---	ADRFT440 id	10346
4 Tier 56 Modules	4 x 14	---	---	ADRFT456 id	10814

Note: For all above Reference MCO = 1

Please contact Customer care center for Stockable and Non stockable status of references.

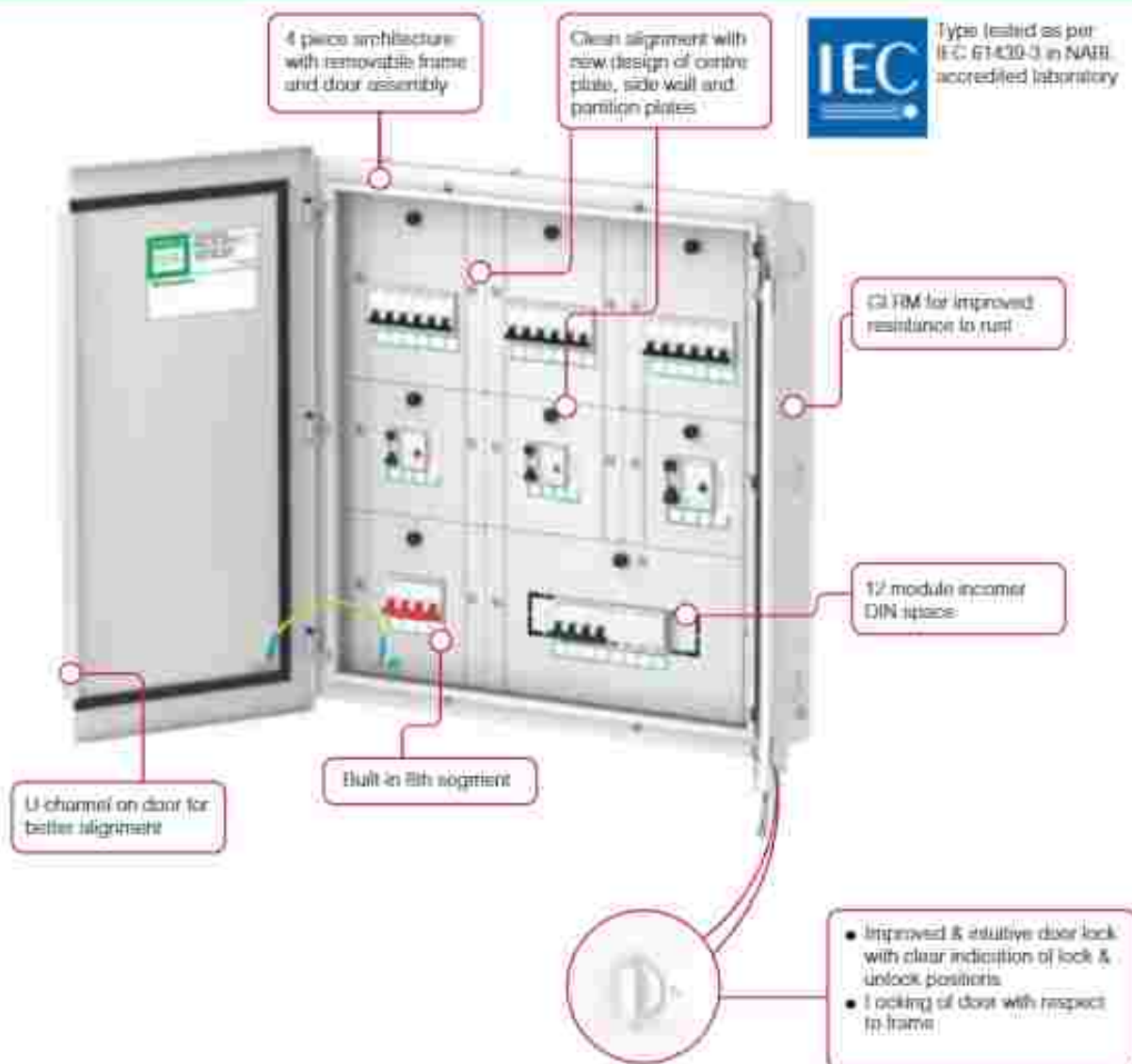
id means STOCKABLE

W.E.F January 30th, 2023

Acti 9

Distribution Boards

New Phase Segregated DBs



Key highlights

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

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

Per Phase Isolation DBs

- PPI DBs to mount 10P 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) MCCB 100A (TRVFP, Compact NSX or EasyPact CVS)
- Sub-Incomer - 10P RCCBR/CBO
- Outgoing - SP MCBs

Description	Total Module Output (Incomer + Outgoing)	Single Door (P30) Reference	Unit MRP (€)	Double Door Metal (IP43) Reference	Unit MRP (€)
12 way	100A MCCB + 6 + 30			A91P012M	21505

PPI TPN DB



Description	Total Module Output (no. of rows x No. of modules per row)	Double Door Metal (IP43)	No of Ways	Unit MRP (€)
6 Way TPN PPI DB	8 + 2 x 3 + 4 x 3	A91P100	6 Ways	10943
8 Way TPN PPI DB	8 + 2 x 3 + 6 x 3	A91P100	8 Ways	11649
12 Way TPN PPI DB	8 + 2 x 3 + 10 x 3	A91P112	12 Ways	16072

PPI Flexi Tier DB

Description	Total Module Output (no. of rows x No. of modules per row)	Double Door Metal (IP43)	No of Ways	Unit MRP (€)
410M Flexi PPI DB	4 x 10	A91P110	10	15503
415M Flexi PPI DB	4 x 14	A91P114	14	17510

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 (TRVFP during maintenance Compact NSX or EasyPact CVS)
- Sub-Incomer - 10P RCCBR/CBO
- Outgoing - SP MCBs
- GI sheet ensures improved rust resistance
- Type tested system conforming IEC 61439-3
- Built in 8th segment (for modular incomer only)
- Increased Incomer DIN space of 12M for 6 ways to 12 ways
- Split door for all variants
- New design ensures clean alignment of doors, centerplates
- 4 piece architecture with removable frame
- Improved, intuitive door lock design with clear indication of lock and unlock positions

Description	Total Module Output (Incomer + Sub-Incomer + Outgoing)	Double Door Metal (IP43) Reference	Unit MRP (€)
4 way	8 + 12 + 12+4	A91PSC04	15161
6 way	8 + 12 + 18+4	A91PSC06	16936
8 way	8 + 12 + 24+4	A91PSC08	19910
12 way	8 + 12 + 36+4	A91PSC12	23739
12 way with MCCB 01	100A MCCB + 12 + 36	A91PSC12M	32003

Note: For all above Reference MOQ = 1

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2025

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 MCCB / RCBO / Isolator / MCB
- Outgoing - SP MCCB / 1P MCCB
- 65% more Incomer Wiring Space
- New Compact Fishbone with better Thermal Performance
- Short Circuit Withstand - 17 kA for 250ms (100 A) / 25 kA (250 A) for 500ms
- Secure Connections with Fixed Spreader links
- IP 2X protection at Incomer with new shrouds
- Type tested as per IEC 61439 - 3 in NABL accredited Lab
- Knockout size for incomer increased to 50mm (to accommodate Aluminum Cable)

Description	Total Module Count (Incomer + Outgoing)	Double Door Metal (IP43) Reference	No of Ways	Unit MRP (₹)
Acti9 VTPN DB 4 Ways Modular i.e 63A	12 + 12	ADRVM04	4 Ways	14739
Acti9 VTPN DB 8 Ways Modular i.e 63A	12 + 24	ADRVM08	8 Ways	18256
Acti9 VTPN DB 12 Ways Modular i.e 63A	12 + 36	ADRVM12	12 Ways	26011

VTPN DBs for MCCB Incomer



- DBs for higher mounting current distribution up to 250A
- Incomer - 1P/3P Compact NSX or EasyPact CVS MCCB up to 250A
- Outgoing - SP MCCBs / 1P MCCBs
- 65% more Incomer Wiring Space
- New Compact Fishbone with better Thermal Performance
- Short Circuit Withstand - 17 kA for 250ms (100 A) / 25 kA (250 A) for 500ms
- Secure Connections with Fixed Spreader links
- IP 2X protection at Incomer with new shrouds
- Type tested as per IEC 61439 - 3 in NABL accredited Lab
- Knockout size for incomer increased to 50mm (to accommodate Aluminum Cable)

Description	Total Module Count (Incomer + Outgoing)	Double Door Metal (IP43) Reference	No of Ways	Unit MRP (₹)
Acti9 VTPN DB 4 Ways MCCB i.e 100A	100 A MCCB + 12	ADRVM04M	4 Ways	16540
Acti9 VTPN DB 4 Ways MCCB i.e 160A	160 A MCCB + 12	ADRVM04M	4 Ways	17261
Acti9 VTPN DB 8 Ways MCCB i.e 100A	100 A MCCB + 24	ADRVM08M	8 Ways	21956
Acti9 VTPN DB 8 Ways MCCB i.e 160A	160 A MCCB + 24	ADRVM08M	8 Ways	22136
Acti9 VTPN DB 8 Ways MCCB i.e 250A	250 A MCCB + 24	ADRVM08H	8 Ways	28377
Acti9 VTPN DB 12 Ways MCCB i.e 100A	100 A MCCB + 36	ADRVM12M	12 Ways	27192
Acti9 VTPN DB 12 Ways MCCB i.e 160A	160 A MCCB + 36	ADRVM12M	12 Ways	29549
Acti9 VTPN DB 12 Ways MCCB i.e 250A	250 A MCCB + 36	ADRVM12H	12 Ways	35668

Mivan Compatible DB

SPN DBs

Description	Total Module Count (Incomer + Outgoing)	Double Door Metal (IP43) Reference	No of Ways	Unit MRP (₹)
Acti9 DB 6 way SPN DB 1.6mm	2 + 4	ADRSPN06Z	6 Ways	On Request
Acti9 DB 8 way SPN DB 1.6mm	2 + 6	ADRSPN08Z	8 Ways	On Request
Acti9 DB 12 way SPN DB 1.6mm	2 + 10	ADRSPN12Z	12 Ways	On Request
Acti9 DB 18 way SPN DB 1.6mm	2 + 16	ADRSPN18Z	18 Ways	On Request

TPN DBs

Description	Total Module Count (Incomer + Outgoing)	Double Door Metal (IP43) Reference	No of Ways	Unit MRP (₹)
Acti9 DB 4 way TPN DB 1.6mm	8 + 4 x 3	ADRTPN04Z	4 Ways	On Request
Acti9 DB 6 way TPN DB 1.6mm	8 + 6 x 3	ADRTPN06Z	6 Ways	On Request
Acti9 DB 8 way TPN DB 1.6mm	8 + 8 x 3	ADRTPN08Z	8 Ways	On Request
Acti9 DB 12 way TPN DB 1.6mm	8 + 12 x 3	ADRTPN12Z	12 Ways	On Request

Please contact Customer care center for Stockable and Non stockable status of references.

☞ MIBMM: STOCK ITEMS

W.E.F. January 30th, 2023

Flexi Tier DBs (Mivan Compatible)

Description	Total Module Count (No. of rows x No. of modules per row)	Double Door Metal (IP43) Reference	No. of Modules Per Row	Unit MRP (₹)
4 Tier 40 Modules	4 x 10	AGH13410Z	10	On Request
4 Tier 56 Modules	4 x 14	AGH13414Z	14	On Request

TV TEL DB

Description	Double Door Metal (IP30) Reference	Unit MRP (₹)
Acti 9R TVTEL BOX 1row IP30	AGH1TV11	On Request
Acti 9R TVTEL & ONT BOX 1,2MM IP30	AGH1TV11	On Request

Note: For all above Reference MOQ :- 1

Metal Clad P&S Units



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

Description	Total Module Count	Single Door (IP30) Reference	Unit MRP (₹)
10A 1P+N+E P&S	2	AGHMS210	2615
20A 1P+N+E P&S	2	AGHMS220	2811
30A 3P+N P&S	3	AGHMS330	5190

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 Count	Single Door (IP30) Reference	Unit MRP (₹)
16A 3P PK P&S	2	AGHKS316	2445
30A 3P PK P&S	2	AGHKS332	4039
30A 5P PK P&S	4	AGHKS532	4734
63A 5P PK P&S	4	AGHKS563	5621

Locks for Acti 9 DBs



Key Lock*

Description	Reference	Unit MRP (₹)
New Rotary Lock**	AGHRL901	130

Note: **Use New Rotary lock reference AGHRL901 for:

Acti9 DBs manufactured September 2020 onwards.

Acti9 DBs with lock & unlock symbol on door.

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

Modular Distribution Boards - Metallic

Accessories for Distribution Boards

Description	Reference	Unit MOQ* (1)
Busbars		
Fork Busbar 1P 12MCO 63A	100011112	1004
Fork Busbar 1P 57MCO 63A	100011152	2229
Fork Busbar 2P 12MCO 63A	100011212	1180
Fork Busbar 2P 57MCO 63A	100011252	4377
Fork Busbar 3P 12MCO 63A	100011312	2084
Fork Busbar 3P 57MCO 63A	100011352	9236
Fork Busbar 4P 12MCO 63A	100011412	2417
Fork Busbar 4P 57MCO 63A	100011452	10202
Busbar Accessories		
Set of 10 End Caps 1P	10002110	-
Set of 10 End Caps 2P	10002210	-
Set of 10 End Caps 3P	10003110	1077
Set of 10 End Caps 4P	10004110	-
Set of 4 Connector Fork 63A	10001024	-
Set of 20 Tooth Caps	1000120	1294
Blanking Plate	122291	53

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

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

- 1W/Isophone DBs
- Pre-Wired DBs
- 8 Segment DBs
- Acrylic Door DBs
- IP54 DBs
- DBs with Phase Indication Lamps

*up to 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

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 chemicals 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 in/flight
- 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 (€)
1 module	13441 kit	3800
2 module	13442	4300
3 module	13443	5170
4 module	13444	6300

Enclosures for modular devices (with terminal blocks)



Description	Reference	Unit MRP (€)
1 row 12 module	13431	9700
1 row 18 module	13432	12000
2 row 24 module	13433	13700
2 row 36 module	13434	17300
3 row 36 module	13435	18100
4 row 42 module	13437	24000

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



Description	Reference	Unit MRP (€)
1 module 1 vertical opening	13175 kit	1800
1 module 2 horizontal opening	13176	2270
1 module 3 horizontal opening	13177	2900

Note: For all above reference MOQ = 1

Please contact Customer care center for Stockable and Non stockable status of references.

SEE MOBILE STOCKINGS

WEF January 30th, 2023

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



Description	Reference	Unit Price [€]
5 module 2 opening	13178 wt	8431
8 module 4 horizontal opening	13179	8046
13 module 2 opening	13180	7092
13 module 6 opening	13181	8786
19 module 8 opening	13182	11322

Functional Plaques



Description	Reference	Unit Price [€]
Blank - marked for 1 socket 50x50	13135	573
Blank - marked for 1 socket 65x55 or 75x75	13137	573
Intermediate with 65x55 opening	13136	109
Intermediate with one opening for 65x75 & 90x100	13147	1159

Note: For all above Reference MOQ = 1

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)	[Use] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP [€]
PratiKa Screw IP44				
16	200...250	2P + E	PKE16M23 60	570
		2P + E	PKX16M23 60	1168
	380...415	3P + E	PKE16M34 60	1231
3P + N + E		PKE16M35 60	1652	
32	200...250	2P + E	PKE32M23 60	909
		3P + E	PKE32M34 60	1055
	3P + N + E	PKE32M35 60	1683	
IP67				
16	200...250	2P + E	PKE16M23 60	1262
		2P + E	PKX16M23 60	1557
	380...415	3P + E	PKE16M34 60	1426
3P + N + E		PKE16M35 60	1524	
32	200...250	2P + E	PKE32M23 60	1196
		3P + E	PKE32M34 60	1327
	3P + N + E	PKE32M35 60	1941	
PK (63A & 125A available in IP67 only)				
63	200...250	2P + E	B1376	5863
		2P + E	B1382 60	4827
	3P + N + E	B1383 60	6931	
125	200...250	2P + E	B1390	12009
		2P + E	B1394	14105
	3P + N + E	B1395	14105	

Note: * Test 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)	[Use] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP [€]
IP44				
16	200...250	2P + E	PKE16W23	1011
		3P + E	PKE16W34	1173
	3P + N + E	PKE16W35	1282	
32	200...250	2P + E	PKE32W23	1302
		3P + E	PKE32W34	1487
	3P + N + E	PKE32W35	1675	
IP67				
16	200...250	2P + E	PKE16W23	1687
		3P + E	PKE16W34	2018
	3P + N + E	PKE16W35	2087	
32	200...250	2P + E	PKE32W23	2010
		3P + E	PKE32W34	2336
	3P + N + E	PKE32W35	3884	

Note: For all above Reference MOQ = 1

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

Wall Mounted Sockets



- Complies 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)	[Line] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP (₹)
63	200..250	2P + E	B1178	6227
		3P + E	B1182	6419
		3P + N + E	B1183	6511
125	380..415	3P + E	B1194	22483
		3P + N + E	B1195	22693

Wander Sockets



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

[In] Rated Current (A)	[Line] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP (₹)
PratiKa Screw				
IP44				
16	200..250	2P + E	PKY 16M/23 2P	300
		2P + E	PKY 16M/23	380
		3P + E	PKY 16M/34	523
		3P + N + E	PKY 16M/36	1087
32	200..250	2P + E	PKY 32M/23 2P	1100
		3P + E	PKY 32M/34	1325
		3P + N + E	PKY 32M/36 2P	1348
IP67				
16	200..250	2P + E	PKY 16M/23	1481
		2P + E	PKY 16M/23	1852
		3P + E	PKY 16M/34	1867
		3P + N + E	PKY 16M/36	1951
32	200..250	2P + E	PKY 32M/23	2077
		3P + E	PKY 32M/34	2258
		3P + N + E	PKY 32M/36	2275
PK (63A & 125A available in IP67 only)				
63	200..250	2P + E	B1178	5614
		3P + E	B1482	5663
		3P + N + E	B1483	5621
125	200..250	2P + E	B1490	21116
		3P + E	B1494	17408
		3P + N + E	B1495	17749

Also Available on Request:

- Patented FAST connect Plugs & Sockets: Innovative cabling system that enables connection without stripping the conductor and with absolutely no screws required
- Extra Low Voltage Plugs & Sockets down to 60V

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

Note: For all above Reference MRP – ₹

Panel Mounted Sockets - Angled



- PK PratiKa Screw Connect: same orientation of clamp's screws
- External impact strength: IK08
- Glow wire test: 850°C
- Conforms to IEC 60309-1 & IEC 60907

[In] Rated Current (A)	[In] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP (₹)
PratiKa Screw				
IP44				
16	200...250	2P + E	PK1161423 W	619
		2P + E	PKY161423 ●	628
	380...415	3P + E	PK1161434	921
		3P + N + E	PK1161435 W	964
32	200...250	2P + E	PK1321723 W	1100
	380...415	3P + E	PK1321734	1716
		3P + N + E	PK1321735	1771
IP67				
16	200...250	2P + E	PK1161723 W	1106
		2P + E	PKY161723 ●	1412
	380...415	3P + E	PK1161734	1528
3P + N + E		PK1161735 W	1544	
32	200...250	2P + E	PK1321723	1517
		3P + E	PK1321734	1773
	380...415	3P + N + E	PK1321735	1802
		PK (63A & 125A available in IP67 only)		
63	200...250	2P + E	B1278	829
		3P + E	B1282 W	1387
	380...415	3P + N + E	B1283 W	1506
125	200...250	2P + E	B1290	1637
		3P + E	B1294	1678
	380...415	3P + N + E	B1295	1689

Panel Mounted Sockets - Straight



- PK PratiKa Screw Connect: same orientation of clamp's screws
- External impact strength: IK08
- Glow wire test: 850°C
- Conforms to IEC 60309-1 & IEC 60907

[In] Rated Current (A)	[In] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP (₹)
PratiKa Screw				
IP44				
16	200...250	2P + E	PK1160423	491
		2P + E	PKY160423	909
	380...415	3P + E	PK1160434	1223
		3P + N + E	PK1160435	1066
32	200...250	2P + E	PK1320423	1113
	380...415	3P + E	PK1320434	1292
		3P + N + E	PK1320435	1380
IP67				
16	200...250	2P + E	PK1160723	1173
		2P + E	PKY160723 ●	1327
	380...415	3P + E	PK1160734	1613
3P + N + E		PK1160735	1544	
32	200...250	2P + E	PK1320723	1496
		3P + E	PK1320734	1684
	380...415	3P + N + E	PK1320735	1747
PK (63A & 125A available in IP67 only)				
63	200...250	2P + E	B1078	926
		3P + E	B1082	1506
	380...415	3P + N + E	B1083	1536
125	200...250	2P + E	B1090	1670
		3P + E	B1094	1680
	380...415	3P + N + E	B1095	1680

Test Connector

Note: For all above Reference MDQ - 1

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

W.E.F. January 30th, 2023

Sockets with Interlock Switches - for guaranteed safety of operation

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

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



- 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 / IP67 versions
- Glow wire test: 750°C

[In] Rated Current (A)	[Use] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP [₹]
IP44				
16	200..250	2P + E	R3021	8416
	380..415	3P + E	R3025	14155
32	200..250	3P + N + E	R3026	11070
	380..415	2P + E	R3042 M	10526
		3P + E	R3045	15474
		3P + N + E	R3047	12875
IP65				
16	200..250	2P + E	R3081	8798
	380..415	3P + E	R3085	11921
32	200..250	3P + N + E	R3086	12235
	380..415	2P + E	R3092	11412
		3P + E	R3096	16547
		3P + N + E	R3097	13703

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



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

[In] Rated Current (A)	[Use] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP [₹]
16	200..250	2P + E	R2754 M	10433
	380..415	3P + E	R2758	15439
		3P + N + E	R2759	15951
32	200..250	2P + E	R3791 M	12362
	380..415	3P + E	R3795	17653
		3P + N + E	R3796	14716

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



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

[In] Rated Current (A)	[Use] Rated Operational Voltage (V)	Polis Description	Reference	Unit MRP [₹]
32	200..250	2P + E	R2766	16235
	380..415	3P + E	R2770	23213
		3P + N + E	R2771	19684
63	380..415	3P + E	R2782	21957
		3P + N + E	R2783	25527

Note: for all above Reference MEXO - 1

Please contact Customer care center for Stockable and Non stockable status of references.

☑ MRRM: STOCK ITEMS

W.E.F. January 30th, 2023

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

Construction

- The casing 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 tooling 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 GSA 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 guard 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 Sowing Machines.

Plug



Rating (A)	Poles Description	Voltage (V)	MOQ	Reference	Unit MRP (₹)
10	2P	250	30	AP10 is	225
20	2P	250	30	AP20 is	265
20	3P	440	30	BP20 is	364
30	3P	440	20	BP30 is	700
63	3P+N+E	440	4	CP63 is	3100

Socket



Rating (A)	Poles Description	Voltage (V)	MOQ	Reference	Unit MRP (₹)
10	2P	250	30	AS10 is	280
20	2P	250	30	AS20 is	300
20	3P	440	30	BS20 is	430
30	3P	440	20	BS30 is	780
63	3P+N+E	440	4	CS63 is	3470

Please contact Customer care center for Stockable and Non-stockable status of references.

is NORMAL STOCKS

WEF January 30th, 2023

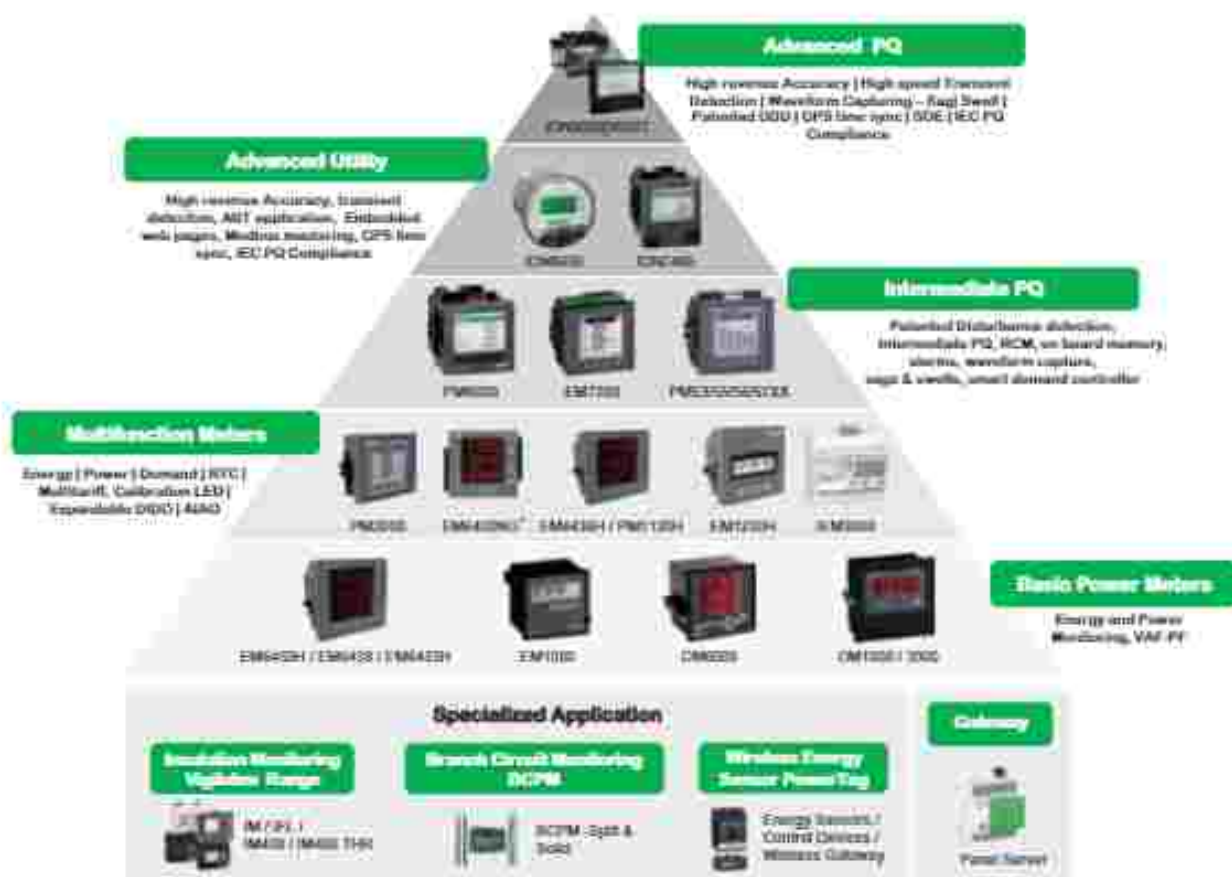
Celebrating
25 YEARS OF
POWER
MONITORING
EXCELLENCE

Envisioning
Atmanirbhar Bharat
by creating world-class
products in India, for India
and the world



EasyLogic™ & PowerLogic™ Series

Discover Our Power Monitoring Solutions



1. Tailored Offers for Specific Applications and Segments



- > BCPM A/B/C variants
- > Split or solid state CTs
- > 24 / 36 / 48 / 60 / 72 / 84 channels configuration



1.1 BCPM

Price On Request

The BCPM Provides Data Center Managers with Information to

Maximize uptime and avoid outages through advanced alarming capabilities

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

Effectively plan future infrastructure needs by providing historical usage data, to ensure that new infrastructure projects are sized correctly

- > Track usage at the circuit level
- > Develop reports on historical usage patterns
- > Use reporting to accurately predict future needs

Easily allocate costs

- > Allocate costs based on per rack energy consumption
- > Track usage patterns and determine areas of potential savings
- > Create ongoing reporting structures to effectively manage costs



1.2 Insulation Monitoring Devices

Price On Request

Viglorm Range of Insulation Monitoring Devices

Used in IT earthing arrangements, this solution

- > Guarantees process continuity in case of earth fault,
- > Improves staff and process safety, and
- > Optimizes maintenance.

Can be used in 3 levels of insulation monitoring

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

Level 2 : automatic fault location

Level 3 : feeder measurement + communication

Key features

- > Fault detection and signalling
- > Insulation resistance value display
- > Transformer monitoring (current and temperature)
- > Modbus communication
- > Alarm log
- > Insulation fault remote indicator (audible & visual)
- > Electrical fault (transformer overload or circuit breaker tripping) remote indicator (audible & visual)
- > IEC 60364-4-41 : Electrical standards in buildings
- > IEC 60364-7-10 : Requirements for special installations or locations Medical locations.
- > IEC 61557-8 : Insulation Monitoring Devices in IT earthing arrangement
- > IEC 61557-9 : Equipment for insulation fault location in IT earthing arrangements



Celebrating
25 YEARS OF
POWER
MONITORING
EXCELLENCE

Advanced metering for the new electric world

PowerLogic™ PM8000, ION9000 and ION9000T



Distributed generation, renewable energy, electric vehicles and power electronics are transforming today's electrical grid, challenging organizations that rely on power availability for business continuity. Along with these pressures, energy trading transactions are complex with growing concerns in areas such as data accuracy and cybersecurity. In the new electric world, systems that are efficient, secure, sustainable and resilient create business advantage. With advanced power meters from Schneider Electric – the world's leading power quality and revenue meters – you can keep pace with innovation and help ensure future opportunities for adaptation and growth.

True reliability

Meeting the latest and most stringent international standards compliance for revenue billing and power quality monitoring, and confirmed by third-party lab certificates, PowerLogic advanced meters provide accurate, reliable and cybersecure information.

- 0.15 or 0.25 accuracy; third-party certified in full compliance to IEC 62052-11, IEC62053-22 and ANSI C12.20 2015
- Certified PQI devices with full compliance to IEC61000-4-30, IEC62586-1, IEC62586-2
- One device for both revenue billing and power quality monitoring
- Cybersecurity with secure protocol support (HTTPS, SFTP, SSH terminal); user-based access control, restricted use of unnecessary functions, audit logging, digital signature, secure password storage
- Anti-tampering features, hardware lock



Advanced PowerLogic meters are ready to connect to any SCADA, monitoring, control or billing software system.



Accurate and reliable



Onboard power
quality analysis



Modular architecture

PowerLogic™ PM8000, ION9000 and ION9000T

Advanced metering for the new electric world

Tangible results

The ION9000 saves you valuable time from examining raw data and extracts tangible results from the data set to convey the information needed to get real results. Designed so you can prevent a severe power quality event occurrence or recover quickly from such events.

- Patented disturbance direction detection (DDD) to quickly identify the location of a power quality disturbance source
- Powerful, system-level analysis engine* automatically correlates facility-wide events for quick analysis and fast recovery in case of a power quality related outage
- Connect via web browser for easy-to-read, pass/fail power quality analysis according to EN50160 and IEEE519 standards
- Detection and capture of high speed impulsive or oscillatory transients with 256, 1024 or 10MHz sampling rate**
- Several options of time synchronization protocols to ensure precise sequence of events analysis



Wide versatility

A modular architecture and an easy-to-use block-oriented programming architecture make our advanced power meters the ideal instruments to help original equipment manufacturers or system integrators evolve and adapt to changing business realities.

- Multiple mounting options
- Hardware modularity allows for field upgrade of key capabilities, such as the number of I/O modules, additional comm ports, different display and mounting options
- Legendary, patented ION™ technology allows tremendous flexibility
- Adapts easily to your power network as it becomes more dynamic, as new energy efficient devices are installed or as new regulations are passed
- Protects your infrastructure investment now and in the future



* Requires PME

** Please refer to product catalogue for details



Green Premium Eco-Mark

Confidently confirm and incorporate compliance status of our products into your environmental policies. Schneider Electric commits to disclose reliable, comprehensive information on the environmental impacts of our products.

Please contact Customer care center for Stockable and Non stockable status of references.

⚡ MINIMAL STOCK ITEMS

www.se.com

WEF, January 30th, 2023

279 | **ION** | Schneider Electric

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



2.1 PowerLogic™ ION9000T

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 0.1% 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: IEC 61000-4-30 class A, IEC 62586-1 / IEC 62586-2, 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(MV) meter



DLMS
I650

2.3 PowerLogic™ ION 8650

Price On Request

- > Utility grade accurate metering with IEC 62053-22/23 Class 0.2S with 1024 samples / cycle
- > Power quality compliance monitoring for IEC 61000-4-30 Class A/S, EN50160, IEC 61000-4-7, IEC 61000-4-15, IEEE 1159, IEEE 519
- > Power quality measurements with Individual Harmonics, sag – swell, transient detection, waveform analysis & logging
- > Digital fault recording by capturing voltage and current channels simultaneously for sub-cycle disturbances
- > Complete communications through IEC1107 optical port or the optional communications module that supports concurrent Ethernet, serial, and modem communications
- > Transformer/line loss compensation for system losses in real time directly in the meter
- > Instrument transformer correction to save money and improve accuracy by correcting for less accurate transformers.

Please contact Customer care center for Stockable and Non stockable status of references.

88 NORMAL STOCK ITEMS

WEI January 30th, 2023

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



2.4 PowerLogic™ ION7400

Compact energy and power quality meters for feeders or critical loads

Price On Request

- > High quality, reliability, and accuracy: 3-phase power and energy measurements with power quality compliance monitoring, data and event logging, and alarming
- > Industry-leading: Class 0.2S revenue metering and network management data
- > Regulatory compliance: meets all North and South American requirements for utility metering
- > Built-in intelligence: RTU polls downstream devices like relays or other telemetry devices
- > Exceptional adaptability: integrates into existing billing/SCADA systems
- > Reduces downtime: pinpoints disturbances with disturbance direction detection as upstream or downstream of the meter
- > High degree of visibility to data and assets: allows for cost savings, rapid response time, and better decisions
- > Monitors and logs parameters in support of multiple international PQ compliance measurement standards
- > Harmonics: high-resolution waveform capture and Flicker influence



2.5 PowerLogic™ PM8000 Series

Price On Request

- > Patent disturbance detection capability with Sag/Swell / Waveform capture technology
- > Ideal for high energy users
- > Revenue accuracy of Class 0.2S as per IEC 62053-22
- > High Sampling rate of 256 Samples / Cycle; Waveform recording, sag/swell monitoring
- > Modbus Master with Single RS485 port & Dual Ethernet
- > 512MB of standard non-volatile memory for Data and event logging
- > Harmonics Analysis up to 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

Celebrating
25 YEARS OF
POWER
MONITORING
EXCELLENCE



PowerLogic™ PM55/56/5700 Series

Power quality, features in a
cost-effective, precision meter

The highly capable PowerLogic™ PM5500, PM5600, and PM5700 power meters combine multiple features that are not typically found in basic range power meters: power quality capabilities, residual current monitoring, and MID conformance. This combination of features merge with industry-leading measurement accuracy to match the requirements of energy cost management applications in buildings and industry. Compliant with stringent international metering standards, these meters remove any uncertainty in billing for energy consumption and ensure a high level of performance that non-compliant devices cannot match.

Allocate energy costs, perform tenant sub-billing, pinpoint energy savings, optimize equipment efficiency and utilization, and perform a basic assessment of the power quality in your electrical network.

Residual Current Monitoring

- Proactively identify residual current to maximize electrical distribution uptime, reduce risk of faults, and improve safety

Power Quality Monitoring

- Identify power quality events to avoid downtime, prevent equipment damage

LVDC Control Power Option (24V DC)

- Continuously monitor system and log data, even during an outage or voltage instability, in addition to significant installation and material cost savings DNP3.0 Protocol
- Seamless tie-in to new or existing utility and heavy industrial applications without the need for additional gateways or protocol converters

Analog Inputs

- Monitor electrical and non-electrical parameters (e.g. temperature, flow rate, pressure etc.)

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



3.1 PowerLogic™ PM5000 Series Power Meters

- > IEC 61557-12 IEC for PMD (Power Measurement Devices)
- > **Accuracy** - Class 0.5S (PM51xx, PM53xx) and Class 0.2S (PM5560) - IEC Specifications
- > 4th CT for neutral and ground current measurement (PM5560)
- > Dual Ethernet ports for daisy chain communication (PM5560)
- > Internal webpage (PM5560)
- > **Individual Harmonics** up-to 63rd (PM5560), 31st (PM53xx) & 15th (PM51xx) THD, TDD
- > **Multi-tariff Schedules** 4 tariffs (PM53xx) & 8 tariffs (PM5560)
- > **Two Relay outputs** for circuit breaker monitoring & control (PM5330, PM5340)
- > **Logging memory** (PM53xx, PM5560)
- > **Peak demand** with time stamping D/T for current and powers (PM53xx, PM5560)
- > **Demand prediction** based on sliding, fixed and rolling block, thermal methods (All models)
- > **Battery backed up Real Time Clock** (All models)
- > **Meter Insight-Through QR code**
- > 2DI/2DO/2AI (PM5570), RCM (PM5660), Waveform capture and Sag/Swell + 2DI/2DO (PM5650), Waveform capture and Sag/Swell + 2DI/2DO + RCM (PM5760)

Product	Description	Reference	Unit MRP (₹)
PM5560	Cl 0.2S, 2 Ethernet, 1RS485 Port, 4th CT, Webpage, 63rd Harmonic (magnitude & direction), 52 alarms, 4DI, 2DO, 8 multi-bit, 12M samples/cycle	300030000	79000
PM5330	Cl 0.2S, 2 Ethernet, 1RS485 Port, 63rd Harmonic, Modbus and Ethernet, 2DI/2DO/2AI	ME15E1PM5330	79000
PM5560	Cl 0.2S, 63rd harmonic, Modbus and Ethernet, 4DI/2DO	ME15E1PM5560	81644
PM5660	Cl 0.2S, 63rd harmonic, waveform capture and sag/swell, Modbus and Ethernet, 2DI/2DO, RCM	ME15E1PM5660	108113
PM5760	Cl 0.2S, 63rd harmonic, waveform capture and sag/swell, Modbus and Ethernet, 2DI/2DO, RCM	ME15E1PM5760	123000
PM5340	Cl 0.5S, 1 Ethernet, 2 RS485, 2DI, 2DO, 2AI, 3xAlarms, Datalogging, 6M samples/cycle	300030000	6570
PM5370	Cl 0.5S, 1 Ethernet, 2 RS485, 2DI/2DO, 3xAlarms, Datalogging, 6M samples/cycle	300030000	6000

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 / UL 61010 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 daytime stamp, 4 peaks and 4 lows

Product	Description	Reference	Unit MRP (₹)
EM 7200	Demand Controller Cl 0.2* with RS485 Port	30002975	60000
EM 7200	Demand Controller Cl 0.5S with RS485 Port	30002198	48000
EM 7230	Demand Controller Cl 1.0 with RS485 Port	30002022	45000

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

Please contact Customer care center for Stockable and Non stockable status of references.

ME MRRM2 STOCK ITEMS

W.E.F. January 30th, 2023

Celebrating
25 YEARS OF
POWER
MONITORING
EXCELLENCE

Choose **reliable performance**
where you need it
EasyLogic™ PM2000 series



- Active Accuracy - Class 0.5S/1.0 as per IEC62053-22/21
- Dual Sourcing - Utility or Solar or wind energy monitoring using the DI
- 12am (Configurable) Snapshot - Volt, Amp, Power & Energy
- Rate Counters - Configurable for Energy and KgCO2
- Expandable IO Module - Digital IO/Analog IO
- Calibration and Heart beat LED on the front display

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)

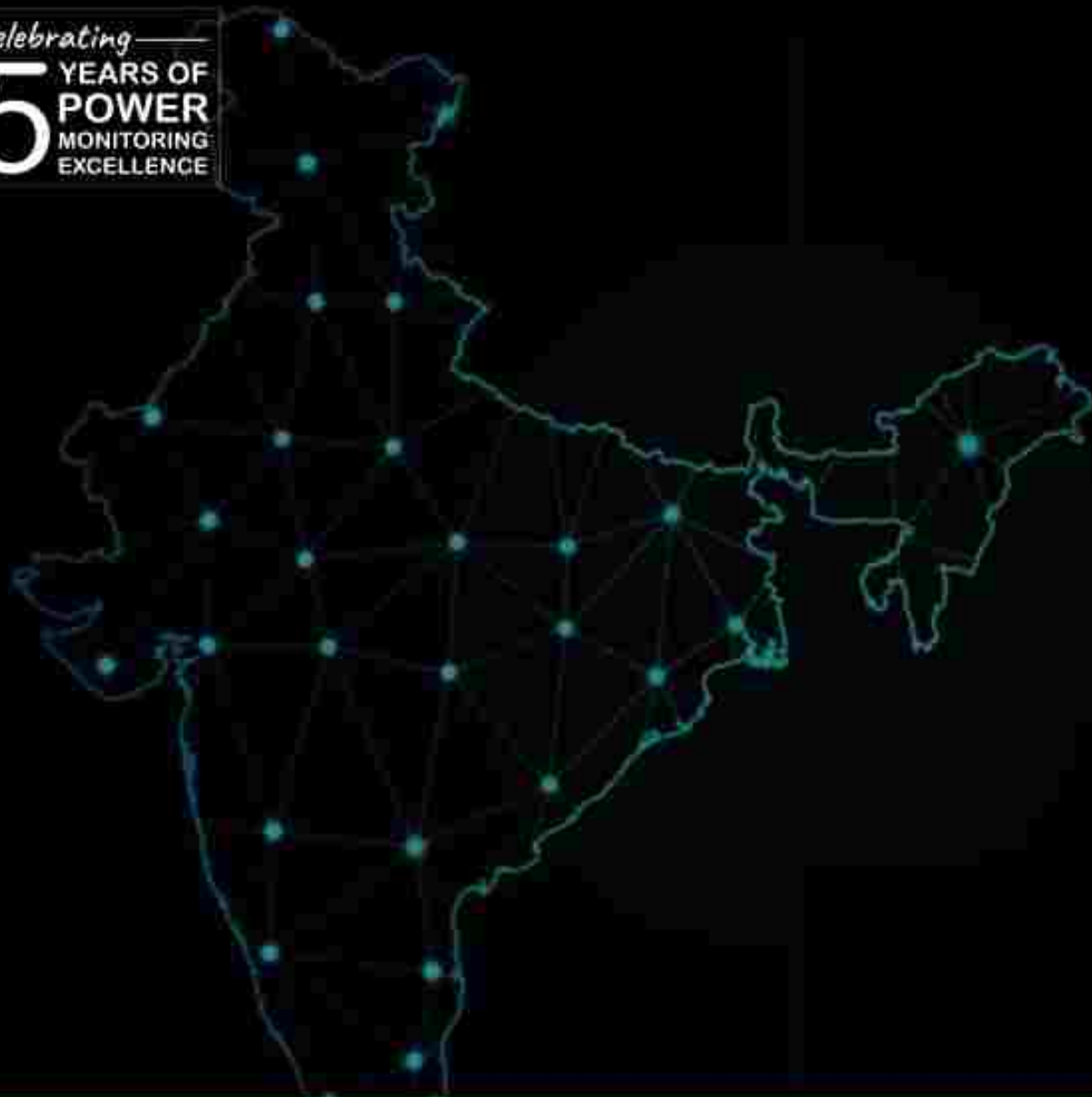


- > Energy Standard - Class 0.5S /1.0 as per IEC 62053-22 / 21
- > Power quality analysis with THD & Ind. harmonics up to 31st
 - IO module integration (optional) – Digital Input/ Output, Analog Input/ Output
 - Dual / Multi sourcing - Capable of monitoring Utility & Genset/ Solar/Wind energy using the 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, VAR, VARh, Max Demand & Import / Export
 - Min/Max Monitoring with Date/Time stamping
 - Communication : Pulse output or RS485 port

Product	Description	Reference	Unit Price (€)
PM2210	PM2210, LCD, RS485, Accuracy 0.5S, 31st Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters, Data logging	ME-TSE-PM221001	32900
PM2220	PM2220, LCD, RS485, Accuracy 0.1, 16th Ind.harmonics, 12am snap shot, kg CO2 and energy rate counters	ME-TSE-PM222001	30207
PM2130	PM2130, LED, RS485, Accuracy 0.5S, Ind. Harmonics up to 31st over communication, data logging	ME-TSE-PM213001	31612
PM2X0100*	Optional Digital IO card - 2 channel DI & DO for PM2000 Series	ME-TSE-PM2X0110220	3708
PM2X0A00*	Optional Analog IO card - 1 channel AI & AO for PM2000 Series	ME-TSE-PM2X0A100110	4430
PM2X0B00*	Optional Analog IO card - 2 channel AI & AO for PM2000 Series	ME-TSE-PM2X0B000220	5458
PM2X0100*	EasyLogic™ PM2X01 20220 Module 2 IO	ME-TSE-PM2X01000200	On Request

* Optional IO modules can be used for PM2210 & PM2130 models only. Maximum upto 1 module can be used per device at a time.

Celebrating
25 YEARS OF
POWER
MONITORING
EXCELLENCE



Gain high accuracy with our power
monitors manufactured in India



EasyLogic™ Series and PowerLogic™ Series

se.com/in

4. India's Most Sold Multifunction Meters



Green Premium Eco-Mark

4.1 EasyLogic™ EM6400NG+ Series, The Next Generation Workhorse

Multifunction Energy meter with NextGen features like Harmonics & Min/Max Monitoring, Digital security

- > Energy Standard – Class 0.2/0.5S/1 as per IEC 62053-22 / 21
- > Power quality analysis with THD & individual harmonics upto 15th over communication
- > 13 different wiring configuration scheme
- > Volts, Amps, PF, THD, F.W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, 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 ¹ /d
EM6400NG+	Class accuracy 0.2, RS485 port	ME1SEEM6400NG21SC2.2	31558
EM6400NG+	Class accuracy 0.5S, RS485 port	ME1SEEM6400NG31SC1.5	25491
EM6400NG+	Class accuracy 1.0, RS485 port	ME1SEEM6400NG31SC1.0	20190
EM6400NG+	Class accuracy 0.5S, POP	ME1SEEM6400NG31SC1.5	17408
EM6400NG+	Class accuracy 1.0, POP	ME1SEEM6400NG31SC1.1	15841

5. India's Most Trusted, Reliable and Accurate Load Managers



5.1 Hexa Series EM64XXH and PM1130H Meters

Load Managers, Power & Energy, Dual Source Multifunction meters

- > Energy Accuracy - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices
- > Dual Sourcing with demand Monitoring, THD% for voltage & Current, 01 Relay Contact
- > Configurable Favorite Page
- > Sampling Rate of 32 Samples / Cycle
- > Onsite Calibration Verification - Calibration LED
- > Heart beat LED for communication status & meter healthiness
- > Modus RS485 communication port
- > Communication Disable from the front panel of the Meter
- > Multi colored analog load bar with over load indication
- > Configurable Password for secured setup of the device

Product	Description	Reference	Unit MRP ¹ /d
PM1130H	EASYLogic™ PM1130H Dual Source Power & Energy Meter, Class accuracy 0.5, 01 Relay Contact, 01 RS485 port	ME1SEPM1130HCL02RD	18821
EM6439H	EASYLogic™ EM6439H Dual Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	ME1SEEM6439HCL02RS	12144
EM6438H	EASYLogic™ EM6438H Dual Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	ME1SEEM6438HCL01RS	8602
EM6439H	EASYLogic™ EM6439H VA + PF + Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	ME1SEEM6439HCL02RS	13707
EM6439H	EASYLogic™ EM6439H W + PF + Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	ME1SEEM6439HCL01RS	12011
EM6438H	EASYLogic™ EM6438H VA + PF + Power & Energy Meter, Class accuracy 1.0	ME1SEEM6438HCL01RS	10226
EM6433H	EASYLogic™ EM6433H A+ Power & Energy Meter, Class accuracy 0.5, 01 RS485 port	ME1SEEM6433HCL02RS	8572
EM6433H	EASYLogic™ EM6433H A+ Power & Energy Meter, Class accuracy 1.0, 01 RS485 port	ME1SEEM6433HCL01RS	8071
EM6459H	EASYLogic™ EM6459H W + PF Digital Meter, Class accuracy 0.5, 01 RS485 port	ME1SEEM6459HCL02RS	9102
EM6459H	EASYLogic™ EM6459H W + PF Digital Meter, Class accuracy 1.0, 01 RS485 port	ME1SEEM6459HCL01RS	8544
EM6459H	EASYLogic™ EM6459H W + PF Digital Meter, Class accuracy 1.0	ME1SEEM6459HCL01RS	8273

¹ Convert is now EasyLogic™

Please contact Customer care center for Stockable and Non stockable status of references.

ME1SEEM6439HCL02RS

W.E.F. January 30th, 2023

5. India's Most Trusted, Reliable and Accurate Load Managers

5.2 Hexa Series LCD Range: OEM Specialized applications

EasyLogic™ EM1220H | PM1225H | PM1230H meters are ideal replacements for multiple analog meters for stand-alone metering in OEM Panel Boards, Genset panels, Motor Control Centers, power factor improvement panels



- > **Energy Accuracy** - Class 0.5 / 1.0 as per IEC 62053-22 / 21
- > Single and Multisource range of devices.
- > Power quality analysis (THD %) / Phase angle between the voltage and current
- > **LCD display:** Elegant single row, bright back lit graphical LCD display 132 * 32 pixels, Fast in-line view, three parameters name and value at one glance
- > **Suppression current:** To disregard the measurement of induced and panel auxiliary load current in the circuit (settable from 5 to 99 mA).
- > **Protective cover:** Tamper-proof terminal screws do not detach from housing.
- > **Control power options:** Universal range 44 to 300V LN AC/DC or Low voltage DC control power option of 9 to 36V DC
- > Sampling Rate of 32 Samples / Cycle
- > Onsite Calibration Verification - Calibration LED
- > Heart beat LED for communication status & meter healthiness.
- > Modbus RS485 communication port
- > Communication Disable from the front panel of the Meter
- > Configurable Password for secured setup of the device
- > Smart line indicators in LCD display meter to check the presence of input supply voltage

Product	Description	Reference	Unit MRP (₹)
PM1230H	EasyLogic™ PM1230H Dual Source Power & Energy, Class Accuracy 0.5, 01 RS485 Port	ME1SEPM1230HCL5	18000
PM1225H	EasyLogic™ PM1225H Restricted MIM Meter, Class Accuracy 0.5, 01 RS485 Port	ME1SEPM1225HCL5	26599
PM1225H	EasyLogic™ PM1225H Restricted MIM Meter, Class Accuracy 1.0, 01 RS485 Port	ME1SEPM1225HCL1	19000
EM1220H	EasyLogic™ EM1220H Load Manager, Class Accuracy 0.5, 01 RS485 Port	ME1SETM1220HCL5	53032
EM1220H	EasyLogic™ EM1220H Load Manager, Class Accuracy 1.0, 01 RS485 Port	ME1SETM1220HCL1	11614

Please contact Customer care center for Stockable and Non stockable status of references.

IS NORMAL STOCK ITEMS

WEF January 30th, 2023

Celebrating
25 YEARS OF
POWER
MONITORING
EXCELLENCE

Introducing “New face of Power Monitoring”

EasyLogic™ PM112XH Series

- Active Accuracy – Class 1.0 / 0.5 as per IEC 62053-21 / 22
- Configurable Favorite Page
- Modbus RTU protocol RS-485 communication port
- Green Premium Product



5. India's Most Trusted, Reliable and Accurate Multifunction Meters

5.3 Hexa Series PM112XH Series

Improve cost & network management through our "New face of Hexa LED power monitors"

- > Class Accuracy 1.0 / 0.5
- > VAF + PF+ Power + Energy + Ind. harmonics
- > Sampling Rate of 32 Samples/Cycle
- > Configurable Favorite Page
- > Calibration and Communication LED
- > Analog Load Bar
- > Data Integrity : Communication Disable on the front panel of the Meter
- > Communication + Non Com Variant - SE COM DATA MODULE
- > Green Premium Product



Product	Description	Reference	Unit MRP (₹)
PM1120H	EasyLogic™ PM1120H Power & Energy Meter, Class Accuracy 0.5, 01 RS485 Port	ME1SEPM1120HCL10RD	10700
PM1120H	EasyLogic™ PM1120H Power & Energy Meter, Class Accuracy 1.0, 01 RS485 Port	ME1SEPM1120HCL10RD	1680E
PM1125H	EasyLogic™ PM1125H Multifunction Meter, Class Accuracy 0.5, 01 RS485 Port	ME1SEPM1125HCL10RD	27779
PM1125H	EasyLogic™ PM1125H Multifunction Meter, Class Accuracy 1.0, 01 RS485 Port	ME1SEPM1125HCL10RD	18214

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

Stay on top of it
with **PowerTag**



Give your business a competitive edge with PowerTag wireless energy sensors

With PowerTag Energy you can add innovation to any project with one simple action. Even in panels where space is at a premium, you can easily tag circuit breakers up to 630 A to help your customers reduce costs and improve efficiency. As a connected product, PowerTag Energy is a key part of EcoStruxure Power – Schneider Electric's IoT-enabled, open and interoperable architecture. And a small-but-impressive solution your customers will appreciate.



se.com/poweritag

* Offered as part of the ACB Network subscription. PowerTag wireless sensors are designed for installation and removal by a qualified electrician. PowerTag also alerts you to voltage issues, so you can take corrective action to the point of first detection. An initial alert means you can take preventive action that averts potential downtime. © 2025 Schneider Electric. All Rights Reserved. EcoStruxure Power is a trademark, and the property of Schneider Electric SE, its subsidiaries and affiliated companies. 988-2010004 (EN), 0000, 10000000, PowerTag, your edge.

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 MCB 1P+W	ADM11520	10364
PowerTag	PowerTag Energy MCB 1P+N Top	ADM11521	10364
PowerTag	PowerTag Energy MCB 1P+N Bottom	ADM11522	10364
PowerTag	PowerTag Energy MCB 3P	ADM11540	20919
PowerTag	PowerTag Energy MCB 3P+N Top	ADM11541	20919
PowerTag	PowerTag Energy MCB 3P+N Bottom	ADM11542	20919
PowerTag	PowerTag Energy IEC 1P+N	ADM11560	11386
PowerTag	PowerTag Energy IEC 3P+N	ADM11570	22801
PowerTag	PowerTag Energy Sensor 63A - 3P3P+N	ADM11573	21755
PowerTag	PowerTag Energy Sensor 160A - I160 - 3P3P+N	ADM11580	28041
PowerTag	PowerTag Energy Sensor Rope 200A - R200 - 3P3P+N	ADM11590	52540
PowerTag	PowerTag Energy Sensor Rope 600A - R600 - 3P3P+N	ADM11591	64881
PowerTag	PowerTag Energy Sensor Rope 800A - R1000 - 3P3P+N	ADM11592	88802
PowerTag	PowerTag Energy Sensor Rope 2000A - R2000 - 3P3P+N	ADM11593	81523



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 NSK 250A 3P	1V434070	3900
PowerTag	ENERGY SENSOR POWERTAG NSK 250A 3P+N	1V434071	39402
PowerTag	ENERGY SENSOR POWERTAG NSK 630A 3P	1V434072	62137
PowerTag	ENERGY SENSOR POWERTAG NSK 630A 3P+N	1V434073	68568

Please contact Customer care center for Stockable and Non stockable status of references.

88 NORMAL STOCK ITEMS

WEF January 30th, 2025

6. PowerTag - World's Smallest Energy Sensor (cont.)



6.3 Smartlink

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

Product	Description	Reference	Unit MRP [€]
Smartlink	Smartlink Modbus	A0XMSB11	49206
Smartlink	PowerTag Link	A0XMWL20	29213
Smartlink	Smartlink SI-B	A0XMLZA08	66013

6.4 Communication Auxiliaries

Description	Reference	Unit MRP [€]
Mounting Kit for Din Rail	A0XMFAL4	2036
Prefabricated Cables M	A0XCAMDJ	2521
Locking Clips for Multiclip 80	A0XMLEA0Z	867
Connectors 6 Pin	A0XC2A1Z	10360
Prefabricated Cables L	A0XCAL06	8562
Prefabricated Cables S	A0XCAS06	7446
SEMI - Prefabricated Cables U	A0XCAL06	5140

7. DIN Rail Mount Meters - Accurate, Flexible Power Meters

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



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	ME151/PM3255	20126
PM 3210	Din rail Power meter pulse	ME151/PM3210	20102

7.2 PowerLogic™ IEM3000 Series Class Meters - LV Distribution



IEM3110: 63A direct connect - CI1.0
IEM3210: 1A / 5A CT connect - CI0.5S
IEM3310: 125A direct connect - CI1.0

IEM3110
IEM3210
IEM3310

- > Total kWh
- > Partial kWh + date and time of last reset
- > Pulse output up to 1000pulse/kWh
- > 1 Digital Out
- > Date and time of last reset
- > MID legal metrology certification

IEM3150
IEM3250
IEM3350

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

IEM3165, 3175
IEM3265, 3275

- > Total kWh, kVAh
- > Four quadrant
- > Partial kWh + date and time of last reset
- > By communication: kWh, kVAh, PQ, S, Kv, PF; 4 tariffs, digital input status, date/clock
- > 1 DI for circuit breaker status, input WAGES, 1 DO

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

Product	Description	Reference	Unit MRP (€)
IEM331x	Three Phase, 125A Direct Current, Lowvork	A9MEM331x	29079
IEM332x	Three Phase, 125A Direct Current, IACrit	A9MEM332x	29110
IEM333x	Three Phase, 125A Direct Current, Modbus	A9MEM333x	29964
IEM334x	Three Phase, 125A Direct Current, PulseCT ¹	A9MEM3310	26262

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 3215	A9MEM3215	22280	A9MEM3115	20107
IEM 3225	A9MEM3225	16389	A9MEM3125	18708
IEM 3250	A9MEM3250	15369	A9MEM3150	17091
IEM 3210	A9MEM3210	14076	A9MEM3110	15265

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023



IoT for an intelligent power network

EcoStruxure™ Panel Server



EcoStruxure Panel Server is the next generation of gateway, providing a seamless connection of wired or unwired smart IoT devices to your edge control software or advisor. It is a foundational enabler for Schneider Electric EcoStruxure solutions.

Electrical safety

Panel Server is an integral part of Schneider Electric's continuous thermal monitoring application, helping reduce risk of electrical fires, increase people and assets protection. Implement the thermal monitoring of your electrical panel by connecting thermal and heat sensors to your Panel Server.

Power availability

Electrical distribution monitoring and power event analysis help avoid unplanned downtime caused by electrical failure. Panel server collects real-time data and alarms, presenting information through embedded webpages, making it available to edge control software or advisor for electrical system diagnostics. Use embedded webpages for first-level monitoring or monitor from your edge control.

Optimize energy efficiency

Improve your facility's energy efficiency and reduce energy consumption with energy usage analysis and performance tracking. Panel Server collects and shares energy data to help achieve your energy conservation initiatives. It is certified as part of an energy data management system according to ISO 50001, 50002, 50006.

Cybersecurity

Guarding your electrical assets and systems against cyberattacks is vital. Panel server is an IEC 62443 compliant device and is central to the IEC 62443-3-3 SL1 certified EcoStruxure Power system. Use Cybersecurity Admin Expert to manage user accounts, define your cybersecurity policy and retrieve security logs.



EcoStruxure Panel Server gives you access to the information you need to protect, maximize and optimize your power system.



Help keep people and assets safer



Maximize power availability



Optimize energy efficiency



Improve cybersecurity

EcoStruxure™ Panel Server

IoT for an intelligent power network

All-in-one gateway

- Separates your OT network from your IT network
- Wireless data concentrator
- Modbus RS485 to Modbus TCP
- Supports multiple Ethernet connections for serving information to edge control software and cloud applications

Simple commissioning

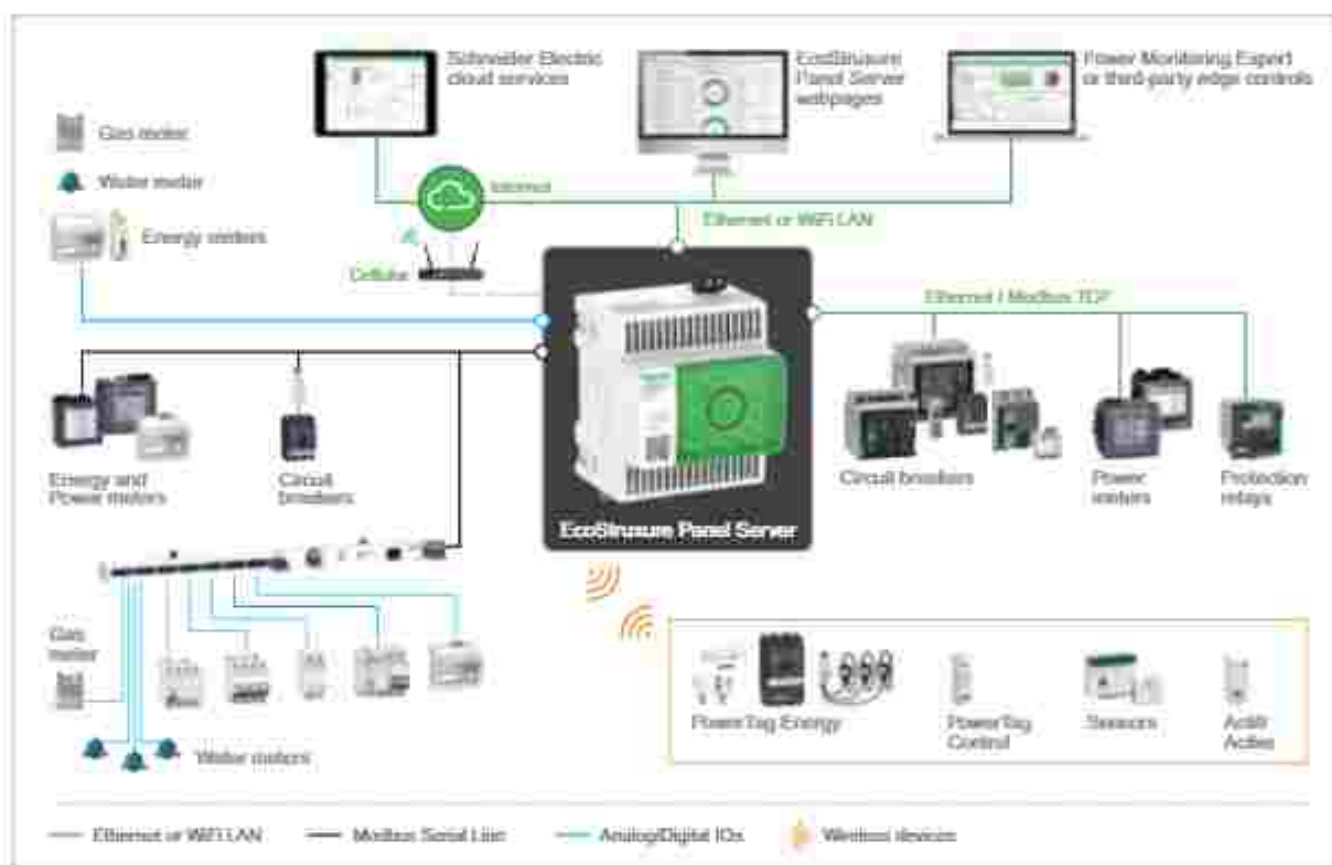
- EcoStruxure Power Commission software
- Device auto discovery
- Generation of acceptance reports to validate gateway configuration
- Commission via Bluetooth® or WiFi

Intuitive operation

- User-friendly webpages offer first-level monitoring
- Contextualized data and operational insights
- Simple alarm setup for email notification
- Standardized IEC 62974-1 compliant datalogger and energy server



Architecture overview



Please contact Customer care center for Stockable and Non stockable status of references.

IS NORMAL STOCKYMS!

WEF January 30th, 2023

8. Ethernet Communication Gateways

8.1 Ethernet Communication Gateway Server / Converters

Panel Server



- > Retrieve data from wireless & Modbus devices
- > Connect to edge control systems & cloud applications
- > Plug & Play easy commissioning
- > User friendly embedded webpages
- > Cybersecurity at the core

LINK150 Protocol Converter



- > Protocol Converter from Modbus RS485 to TCP/IP
- > Two (2) Ethernet ports for daisy chain Ethernet
- > Setup through built-in web pages
- > HTTP, HTTPS, FTP, SMTP, IPV6 Support
- > 24V DC and/or POE power supply

Product	Description	Reference	Unit Price [€]
Panel Server Universal	Panel Server Universal with 24V DC power supply	PAS6001	40107
	Panel Server Universal with 100-277 V AC/DC power supply	PAS600	

Accessories for Power Monitoring

Description	Reference	Unit Price [€]
Adapter Plate 14X14 mm	3001008	120
FTT adaptor plate	3001100	13
IP65 protection cover for PM500X, PM700X, NC1+ and Hinc	ME151IP65OPM0X01D	On Request

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/VAr/PF
 - a) ELF3250 - VAF meter
 - b) ELF3234 - W/VAr/PF
 - c) ELF3234_3 - W/VAr & PF

Product	Description	Reference	Unit MRP [€]
ELF3234_3	ELF3234_3 C10.5	30000019	1620
ELF3234	ELF3234 C10.5	30000021	2211
ELF3250	ELF3250 C10.5	30000020	3019
ELF3234_3	ELF3234_3 C11.0	30000109	1620
ELF3234	ELF3234 C11.0	30000019	2267
ELF3250	ELF3250 C11.0	30000030	2887

10. LCD Display Energy Meters & VAF+PF Meters



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

10.1 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	1433
EM1000	EM1000 C10.5 PCP	30002571	8261
EM1200	EM1200 C11.0 RS	30002623	1477
EM1000	EM1000 C11.0 PCP	30002622	3680



10.2 DM 6100 Series - VAF, PF Meters

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

Product	Description	Reference	Unit MRP [€]
DM6300	DM6300 C10.5 RS	30002570	4476
DM6100	DM6100 C10.5	30002569	3651
DM6300	DM6300 C11.0 RS	30002566	4284
DM6100	DM6100 C11.0	30002567	3302

Please contact Customer care center for Stockable and Non stockable status of references.

⚠️ NOT IN STOCK

WEF January 30th, 2023

11. CE compliance - Volt/Amp/ frequency meter



11.1 EasyLogic™ DM3000 / DM1000

- > CE compliance as per latest IEC 61010-1
- > 50Hz or 60Hz
- > AC or DC control power
- > LED indicators for phase identification in 3-ph meters
- > Plus all features of EasyLogic range DM3000 / DM1000

Product	Description	Reference	Unit MSRP*
DM3110	Three phase Voltmeter C0.5	30002905	3107
DM1110	Three phase Ammeter C0.5	30002964	3107
DM1210	Single phase Voltmeter C0.5	30002962	2100
DM1110	Single phase Ammeter C0.5	30002961	2100
DM1310	Frequency meter C0.2	30002963	1630

12. Just the Basics - Voltage / Ampere / Frequency Meters



12.1 EasyLogic™ DM3000 / DM1000

Accuracy

- > Volts & Amps - Cl 0.5/Cl1.0
- > Frequency - 0.2
- > True RMS values

Bright red LED Display

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

User-friendly

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

Product	Description	Reference	Unit MSRP*
DM3110	Three phase Voltmeter C0.5	30002905	2581
DM1110	Three phase Ammeter C0.5	30002964	2581
DM3210	Three phase Voltmeter C1.0	30002396	2083
DM1110	Three phase Ammeter C1.0	30002395	2083
DM1210	Single phase Voltmeter C0.5	30002962	1747
DM1110	Single phase Ammeter C0.5	30002961	1747
DM1210	Single phase Voltmeter C1.0	30002396	1298
DM1110	Single phase Ammeter C1.0	30002395	1298
DM1310	Single phase Frequency C0.2	30002963	1708

* Compare to new EasyLogic™

Please contact Customer care center for Stockable and Non stockable status of references.

MS MEASUREMENT STOCK ITEMS

W.E.F. January 30th 2023

Celebrating
25 YEARS OF
POWER
MONITORING
EXCELLENCE

Your **power network**
has a story to tell.
Meet the storyteller



PowerLogic™ ION9000

se.com/in



Purpose-built to keep your power reliable and efficient

EcoStruxure™ Power Monitoring Expert

Power is critical to your operations. Disruptions impact productivity and safety. Wasted energy and equipment failures affect your bottom line. Grid systems are also becoming more dynamic and regulations more challenging. You need a way to reveal hidden risk and new opportunities.

Award-winning EcoStruxure™ Power Monitoring Expert (PME) simplifies management of complex power systems. It brings unique new capabilities that protect people and assets, keeps operations running and saves time and money. As a key element in an EcoStruxure Power solution, PME takes full advantage of IoT connectivity and distributed intelligence to help maximize your uptime and operational efficiency.

- Smart events and alarm clustering for intuitive filtering, searching and categorization of events and alarms
- Graphical timelines easily analyze event and alarm sequence, location and potential impact
- Advanced energy visualization – analysis tools calculate, model, forecast and track energy performance indicators (EnPIs)
- Compliant with IEC62443 cybersecurity standards, for even the most demanding IT environments



EcoStruxure Power Monitoring Expert drives performance with the next generation in power and energy management.



Help keep people and assets safer



Optimize business reliability and continuity



Maximize operational lifecycle efficiency



Simplify compliance



The power of a SCADA uniquely designed for critical power management

EcoStruxure™ Power Operation

No matter the size or complexity of your electrical system, you need reliable power 24/7. Every second of downtime in a power-critical facility means business interruption and financial loss, unsafe conditions and damaged reputations. Your team requires the ability to react and correct issues immediately for every potential risk.

EcoStruxure Power Operation is a SCADA system uniquely designed to help large electrical distribution applications in facilities like data centers, industrials, airports and electro-intensive operations maximize uptime, unite medium and low voltage networks and integrate mechanical monitoring.

Power availability

Reduce downtime caused by electrical outages for optimum continuity and reliability. Using machine-learning algorithms and automation, Power Operation improves situational awareness to speed analysis and reduces the time required for your operators and engineers to discover root causes.

Energy efficiency

Power Operation helps you set energy targets, track consumption and monitor performance. Create overall efficiencies to avoid peak penalties, identify bill errors and allocate energy costs. Real-time management and KPI reporting improve your operational efficiency.

Cybersecurity

Stay connected while protecting people, electrical assets and valuable, sensitive information. Power Operation's third-party cybersecurity certifications provide peace of mind to give you operational confidence and helping you avoid malicious threats and safety hazards.



SCADA system for real-time situational awareness and cyber resilient solutions



Maximize power reliability and uptime.



Boost operational efficiency.



Improve confidence in operations and security.



Safe, reliable,
high-performance solution

EasyLogic™ PFC+ **New**
Premium low voltage power
factor correction capacitors

- High life expectancy
- Helps reduce energy waste by up to 30%
- Easy to combine with your choice of components



Power Factor Correction Products



Capacitor for Heavy Duty Application in Easy Range

- **Rated Voltage:** 480 and 525, 50/50Hz
- **Standard compliances:** IEC 60831 part 1 & 2, IEC 60384 Part 1-2, IEC certification, ASTA certified
- **Green Premium:** Compliant
- **Reliability:** Specially designed dielectric with soft resin as coolant, the combination provides it extra reliability and extended working hours.
- **Size Optimization:** This optimized design and compact size helps to save the panel space while its lower weight contributes to user experience during installation.

EasyLogic™ PFC+ Capacitor

Description	kVar Rating	Reference	Unit MSRP (₹)
EasyLogic PFC+			
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	6.7	MEHCPOY08AAE	6680
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	11.3	MEHCPOY113AAE	6680
MPP EasyLogic™ II Duty Can 3Ph 50kVr 480V	12.5	MEHCPOY125AAE	6735
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	14.8	MEHCPOY148AAE	7015
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	15.4	MEHCPOY154AAE	7544
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	17	MEHCPOY170AAE	8278
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	22.4	MEHCPOY224AAE	10906
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	25	MEHCPOY250AAE	12173
MPT EasyLogic™ II Duty Can 3Ph 50kVr 480V	28.1	MEHCPOY281AAE	13604
MPP EasyLogic™ II Duty Can 3Ph 50kVr 480V	31.5	MEHCPOY315AAE	15324
MPT EasyLogic™ II Duty Can 3Ph 50kVr 525V	12.5	MEHCPOY125Ac2	6683
MPT EasyLogic™ II Duty Can 3Ph 50kVr 525V	15.4	MEHCPOY154Ac2	7493
MPT EasyLogic™ II Duty Can 3Ph 50kVr 525V	20.8	MEHCPOY208Ac2	10024
MPT EasyLogic™ II Duty Can 3Ph 50kVr 525V	25	MEHCPOY250Ac2	12115
MPT EasyLogic™ II Duty Can 3Ph 50kVr 525V	27.8	MEHCPOY278Ac2	13388
MPT EasyLogic™ II Duty Can 3Ph 50kVr 525V	30.8	MEHCPOY308Ac2	14896
MPP EasyLogic™ II Duty Can 3Ph 50kVr 525V	32.1	MEHCPOY321Ac2	16099

Please contact Customer care center for Stockable and Non-stockable status of references.

MS NORMAL STOCK ITEMS

WEF January 30th, 2025



VarPlus Box Xtreme

Built to perform in Xtreme conditions

- Designed for 60°C, offers upto 60% more life than products designed at 55°C
- Tested to perform upto 150,000 hrs life in standard operating conditions
- Xtreme inrush withstand of upto 350 x In
- Designed to work in Xtreme environments

se.com/in



Power Factor Correction Products



VarPlus Can

- **Performance:** High performance and flexibility
- **Offer configuration:** Available in three configurations as FastOn, Clampfit and Stud On
- **Product range:** 1-50 kvar from 40V-525V
- **Product compliance:** IEC 60831 Part 1, 2014 and 2-2014 compliant, BIS Certified, CE, DQC, UL, ASTA, Rqns and Green Premium
- **Type tested:** From IEC France and ASTA Intertek
- **Temperature class:** Class 0 (+55°C for VarPlus Can)
- **Reliability:** Soil testing, unique 3-phase disconnection mechanism with pressure sensitive disconnection (PSD)
- **Safety:** Tamper-proof discharge resistor, R520 for FastOn and Clampfit offer
- **Robust design:** Al Can for casing, hermetically sealed, fresh gas coolant better than gas
- **Enhanced life:** 130K hours with boiler current handling capacity due to wide cut films with slope metalization

Can (Cylindrical) Type 440V Capacitors

Description	kVar Rating	Minimum Ordering Quantity (No.)	Reference	Unit MPP (€)
EasyCan (S-Duty) 440V Range				
MPP - Standard Duty Can 3Ph 1kVA 440V 50Hz	1	3	MEHNCSD1010A4	113
MPP - Standard Duty Can 3Ph 2kVA 440V 50Hz	2	3	MEHNCSD2010A4	991
MPP - Standard Duty Can 3Ph 3kVA 440V 50Hz	3	3	MEHNCSD3010A4	1407
MPP - Standard Duty Can 3Ph 4kVA 440V 50Hz	4	3	MEHNCSD4010A4	1884
MPP - Standard Duty Can 3Ph 5kVA 440V 50Hz	5	3	MEHNCSD5010A4	2030
MPP - Standard Duty Can 3Ph 7.5kVA 440V 50Hz	7.5	3	MEHNCSD7510A4	2911
MPP - Standard Duty Can 3Ph 10kVA 440V 50Hz	10	1	MEHNCSD100A4	3326
MPP - Standard Duty Can 3Ph 12.5kVA 440V 50Hz	12.5	1	MEHNCSD125A4	4146
MPP - Standard Duty Can 3Ph 15kVA 440V 50Hz	15	1	MEHNCSD150A4	4911
MPP - Standard Duty Can 3Ph 20kVA 440V 50Hz	20	1	MEHNCSD200A4	6034
MPP - Standard Duty Can 3Ph 25kVA 440V 50Hz	25	1	MEHNCSD250A4	6294
VarPlus Can (H-Duty) 440V Range				
MPP - Heavy Duty Can 3Ph 1kVA 440V 50Hz	1	3	MEHNCHE1010A4	387
MPP - Heavy Duty Can 3Ph 2kVA 440V 50Hz	2	3	MEHNCHE2010A4	1330
MPP - Heavy Duty Can 3Ph 3kVA 440V 50Hz	3	3	MEHNCHE3010A4	2088
MPP - Heavy Duty Can 3Ph 4kVA 440V 50Hz	4	3	MEHNCHE4010A4	2791
MPP - Heavy Duty Can 3Ph 5kVA 440V 50Hz	5	3	MEHNCHE5010A4	2988
MPP - Heavy Duty Can 3Ph 7.5kVA 440V 50Hz	7.5	3	MEHNCHE7510A4	4233
MPP - Heavy Duty Can 3Ph 10kVA 440V 50Hz	10	1	MEHNCHE100A4	4758
MPP - Heavy Duty Can 3Ph 12.5kVA 440V 50Hz	12.5	1	MEHNCHE125A4	5817
MPP - Heavy Duty Can 3Ph 15kVA 440V 50Hz	15	1	MEHNCHE150A4	7000
MPP - Heavy Duty Can 3Ph 20kVA 440V 50Hz	20	1	MEHNCHE200A4	10536
MPP - Heavy Duty Can 3Ph 25kVA 440V 50Hz	25	1	MEHNCHE250A4	13158
MPP - Heavy Duty Can 3Ph 30kVA 440V 50Hz	30	1	MEHNCHE300A4	15818
MPP - Heavy Duty Can 3Ph 40kVA 440V 50Hz (Single unit with IP00)	40	1	MEHNCHE400A4	20620
MPP - Heavy Duty Can 3Ph 50kVA 440V 50Hz (Single unit with IP00)	50	1	MEHNCHE500A4	26618
VarPlus Can (GH-Duty) 440V Range				
MPP - Gas Heavy Duty Can 3Ph 5kVA 440V 50Hz	5	3	MEHNCGSF05A4	2823
MPP - Gas Heavy Duty Can 3Ph 7.5kVA 440V 50Hz	7.5	3	MEHNCGSF075A4	4381
MPP - Gas Heavy Duty Can 3Ph 10kVA 440V 50Hz	10	1	MEHNCGSF100A4	5403
MPP - Gas Heavy Duty Can 3Ph 12.5kVA 440V 50Hz	12.5	1	MEHNCGSF125A4	6761
MPP - Gas Heavy Duty Can 3Ph 15kVA 440V 50Hz	15	1	MEHNCGSF150A4	8098
MPP - Gas Heavy Duty Can 3Ph 20kVA 440V 50Hz	20	1	MEHNCGSF200A4	10750
MPP - Gas Heavy Duty Can 3Ph 25kVA 440V 50Hz	25	1	MEHNCGSF250A4	13621
MPP - Gas Heavy Duty Can 3Ph 30kVA 440V 50Hz	30	1	MEHNCGSF300A4	16794
MPP - Gas Heavy Duty Can 3Ph 40kVA 440V 50Hz (Single unit with IP00)	40	1	MEHNCGSF400A4	20986
MPP - Gas Heavy Duty Can 3Ph 50kVA 440V 50Hz (Single unit with IP00)	50	1	MEHNCGSF500A4	26291

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

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, ASIA, RoHS and Green Premium
- **Type tested:** from IGE France and ASIA markets
- **Temperature class:** +50°C for VarPlus Box APP; Class D (60°C for VarPlus Xtreme Box, 70°C for MD-X)
- **Reliability:** Self-healing, unique 3-phase disconnection mechanism with pre-insertion sensitive disconnection (P3D)
- **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 metallization

Box (Square) Type 440V Capacitors

Description	kVar Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP (₹)
VarPlus Box Xtreme H Duty 440V Range :				
MPP - Xtreme Heavy Duty Box 3Ph 5kVar 440V 50Hz	5	1	ME1M3E2Y050AM	3076
MPP - Xtreme Heavy Duty Box 3Ph 7.5kVar 440V 50Hz	7.5	1	ME1M3E2Y075AM	4013
MPP - Xtreme Heavy Duty Box Box 3Ph 10kVar 440V 50Hz	10	1	ME1M3E2Y100AM	6007
MPP - Xtreme Heavy Duty Box 3Ph 12.5kVar 440V 50Hz	12.5	1	ME1M3E2Y125AM	8758
MPP - Xtreme Heavy Duty Box 3Ph 15kVar 440V 50Hz	15	1	ME1M3E2Y150AM	9946
MPP - Xtreme Heavy Duty Box 3Ph 20kVar 440V 50Hz	20	1	ME1M3E2Y200AM	13323
MPP - Xtreme Heavy Duty Box 3Ph 25kVar 440V 50Hz	25	1	ME1M3E2Y250AM	16600
MPP - Xtreme Heavy Duty Box 3Ph 30kVar 440V 50Hz	30	1	ME1M3E2Y300AM	19888
VarPlus Box APP 440V Range				
APP - Box 3Ph 5kVar 440V 50Hz	5	1	ME1M3W1Y050AM	1130
APP - Box 3Ph 7.5kVar 440V 50Hz	7.5	1	ME1M3W1Y075AM	1460
APP - Box 3Ph 10kVar 440V 50Hz	10	1	ME1M3W1Y100AM	2100
APP - Box 3Ph 12.5kVar 440V 50Hz	12.5	1	ME1M3W1Y125AM	2740
APP - Box 3Ph 15kVar 440V 50Hz	15	1	ME1M3W1Y150AM	3380
APP - Box 3Ph 20kVar 440V 50Hz	20	1	ME1M3W1Y200AM	4624
APP - Box 3Ph 25kVar 440V 50Hz	25	1	ME1M3W1Y250AM	5868
APP - Box 3Ph 30kVar 440V 50Hz	30	1	ME1M3W1Y300AM	7110

Please contact Customer care center for Stockable and Non stockable status of references.

ME1M3M2 STOCK ITEMS

WEF: January 30th, 2023

Power Factor Correction Products



Detuned Filter Application Capacitors

Description	kVar Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP (₹)
* Capacitors for 7%/5.7% , 480V Detuned Filter Application				
VarPlus-Can (H Duty) 480V Range				
MPP - Heavy Duty Can 3Ph 5.6kVA 480V 50Hz	5.6	1	ME1MCHDY056A48	3158
MPP - Heavy Duty Can 3Ph 6.2kVA 480V 50Hz	6.2	1	ME1MCHDY062A48	3279
MPP - Heavy Duty Can 3Ph 11.3kVA 480V 50Hz	11.3	1	ME1MCHDY113A48	5973
MPP - Heavy Duty Can 3Ph 12.5kVA 480V 50Hz	12.5	1	ME1MCHDY125A48	6089
MPP - Heavy Duty Can 3Ph 14.4kVA 480V 50Hz	14.4	1	ME1MCHDY144A48	7620
MPP - Heavy Duty Can 3Ph 15.5kVA 480V 50Hz	15.5	1	ME1MCHDY155A48	8201
MPP - Heavy Duty Can 3Ph 17kVA 480V 50Hz	17	1	ME1MCHDY170A48	8998
MPP - Heavy Duty Can 3Ph 19kVA 480V 50Hz	19	1	ME1MCHDY190A48	10052
MPP - Heavy Duty Can 3Ph 22.4kVA 480V 50Hz	22.4	1	ME1MCHDY224A48	11864
MPP - Heavy Duty Can 3Ph 25kVA 480V 50Hz	25	1	ME1MCHDY250A48	13232
MPP - Heavy Duty Can 3Ph 28.1kVA 480V 50Hz	28.1	1	ME1MCHDY281A48	14782
MPP - Heavy Duty Can 3Ph 31.5kVA 480V 50Hz	31.5	1	ME1MCHDY315A48	16586
VarPlus-Can (GH Duty) 480V Range				
MPP - Can Heavy Duty Can 3Ph 5.6kVA 480V 50Hz	5.6	1	ME1MCGSF056A48	3772
MPP - Can Heavy Duty Can 3Ph 6.2kVA 480V 50Hz	6.2	1	ME1MCGSF062A48	3915
MPP - Can Heavy Duty Can 3Ph 11.3kVA 480V 50Hz	11.3	1	ME1MCGSF113A48	6089
MPP - Can Heavy Duty Can 3Ph 12.5kVA 480V 50Hz	12.5	1	ME1MCGSF125A48	6196
MPP - Can Heavy Duty Can 3Ph 14.4kVA 480V 50Hz	14.4	1	ME1MCGSF144A48	7738
MPP - Can Heavy Duty Can 3Ph 15.5kVA 480V 50Hz	15.5	1	ME1MCGSF155A48	8267
MPP - Can Heavy Duty Can 3Ph 17kVA 480V 50Hz	17	1	ME1MCGSF170A48	9177
MPP - Can Heavy Duty Can 3Ph 22.4kVA 480V 50Hz	22.4	1	ME1MCGSF224A48	10900
MPP - Can Heavy Duty Can 3Ph 25kVA 480V 50Hz	25	1	ME1MCGSF250A48	12483
MPP - Can Heavy Duty Can 3Ph 28.1kVA 480V 50Hz	28.1	1	ME1MCGSF281A48	14223
MPP - Can Heavy Duty Can 3Ph 31.5kVA 480V 50Hz	31.5	1	ME1MCGSF315A48	16066
VarPlus-Box Xtreme H Duty 480V Range				
MPP - Xtreme Heavy Duty Box 3Ph 5.6kVA 480V 50Hz	5.6	1	ME1M8EDY056A48	4341
MPP - Xtreme Heavy Duty Box 3Ph 11.3kVA 480V 50Hz	11.3	1	ME1M8EDY113A48	7491
MPP - Xtreme Heavy Duty Box 3Ph 14.4kVA 480V 50Hz	14.4	1	ME1M8EDY144A48	9695
MPP - Xtreme Heavy Duty Box 3Ph 17kVA 480V 50Hz	17	1	ME1M8EDY170A48	11265
MPP - Xtreme Heavy Duty Box 3Ph 22.4kVA 480V 50Hz	22.4	1	ME1M8EDY224A48	14188
MPP - Xtreme Heavy Duty Box 3Ph 25kVA 480V 50Hz	25	1	ME1M8EDY250A48	15511
MPP - Xtreme Heavy Duty Box 3Ph 28.1kVA 480V 50Hz	28.1	1	ME1M8EDY281A48	18645
MPP - Xtreme Heavy Duty Box 3Ph 31.5kVA 480V 50Hz	31.5	1	ME1M8EDY315A48	20788

* Refer to Selection chart for Reactors & Capacitors available on page 315

Please contact Customer care center for Stockable and Non-stockable status of references.

88 NORMAL STOCK ITEMS

WEF January 30th, 2025

Power Factor Correction Products



Detuned Filter Application Capacitors

Description	kVA Rating	Minimum Distorting Quantity (No.)	Reference	Unit Weight (kg)
VarPlus Box APP 480V Range				
APP - Box 3Ph 5.9kVA 480V 50Hz	5.9	1	ME1MW1P05AMB	408
APP - Box 3Ph 11.8kVA 480V 50Hz	11.8	1	ME1MW1P11AMB	1057
APP - Box 3Ph 14.4kVA 480V 50Hz	14.4	1	ME1MW1P14AMB	1309
APP - Box 3Ph 15.5kVA 480V 50Hz	15.5	1	ME1MW1P15AMB	1436
APP - Box 3Ph 17kVA 480V 50Hz	17	1	ME1MW1P17AMB	1587
APP - Box 3Ph 22.4kVA 480V 50Hz	22.4	1	ME1MW1P22AMB	2093
APP - Box 3Ph 25kVA 480V 50Hz	25	1	ME1MW1P25AMB	2326
APP - Box 3Ph 28.1kVA 480V 50Hz	28.1	1	ME1MW1P28AMB	2617
APP - Box 3Ph 31.5kVA 480V 50Hz	31.5	1	ME1MW1P31AMB	2939
* Capacitors for 7% / 5.7% / 14% , 440V Filter Application				
VarPlus Can (H Duty) 525V Range				
MPP - Heavy Duty Can 3Ph 6.9kVA 525V 50Hz	6.9	1	ME1MC3EY06A62	396
MPP - Heavy Duty Can 3Ph 12.5kVA 525V 50Hz	12.5	1	ME1MC3EY12A62	612
MPP - Heavy Duty Can 3Ph 13.8kVA 525V 50Hz	13.8	1	ME1MC3EY138A62	731
MPP - Heavy Duty Can 3Ph 15.4kVA 525V 50Hz	15.4	1	ME1MC3EY15A62	816
MPP - Heavy Duty Can 3Ph 17.2kVA 525V 50Hz	17.2	1	ME1MC3EY17A62	918
MPP - Heavy Duty Can 3Ph 18.5kVA 525V 50Hz	18.5	1	ME1MC3EY18A62	996
MPP - Heavy Duty Can 3Ph 20.6kVA 525V 50Hz	20.6	1	ME1MC3EY206A62	1096
MPP - Heavy Duty Can 3Ph 25kVA 525V 50Hz	25	1	ME1MC3EY25A62	1318
MPP - Heavy Duty Can 3Ph 27.5kVA 525V 50Hz	27.5	1	ME1MC3EY275A62	1463
MPP - Heavy Duty Can 3Ph 30.6kVA 525V 50Hz	30.6	1	ME1MC3EY306A62	1618
MPP - Heavy Duty Can 3Ph 33.1kVA 525V 50Hz	33.1	1	ME1MC3EY331A62	1789
MPP Heavy Duty Can 3Ph 37.7kVA 525V 50Hz	37.7	1	ME1MC3EY377A62	1959
VarPlus Can (GH Duty) 525V Range				
MPP - Gas Heavy Duty Can 3Ph 6.9kVA 525V 50Hz	6.9	1	ME1MC3SF06A62	404
MPP - Gas Heavy Duty Can 3Ph 12.5kVA 525V 50Hz	12.5	1	ME1MC3SF12A62	669
MPP - Gas Heavy Duty Can 3Ph 13.8kVA 525V 50Hz	13.8	1	ME1MC3SF138A62	782
MPP - Gas Heavy Duty Can 3Ph 20.6kVA 525V 50Hz	20.6	1	ME1MC3SF206A62	1138
MPP - Gas Heavy Duty Can 3Ph 25kVA 525V 50Hz	25	1	ME1MC3SF25A62	1361
MPP - Gas Heavy Duty Can 3Ph 27.5kVA 525V 50Hz	27.5	1	ME1MC3SF275A62	1498
MPP - Gas Heavy Duty Can 3Ph 30.6kVA 525V 50Hz	30.6	1	ME1MC3SF306A62	1654
MPP - Gas Heavy Duty Can 3Ph 33.1kVA 525V 50Hz	33.1	1	ME1MC3SF331A62	1793
MPP - Gas Heavy Duty Can 3Ph 37.7kVA 525V 50Hz	37.7	1	ME1MC3SF377A62	2032

Please contact Customer care center for Stockable and Non stockable status of references.

ME1MW1P05AMB STOCK ITEMS

WEF, January 30th, 2023

Power Factor Correction Products



Detuned Filter Application Capacitors

Description	kVA Rating	Minimum Ordering Quantity (No.)	Reference	Unit MPP (€)
VarPlus-Box Xtreme H Duty 525V Range				
MPP - Xtreme Heavy Duty Box 3Ph 6.0kVA 525V 50Hz	6.0	1	ME1V0H0Y000A62	3276
MPP - Xtreme Heavy Duty Box 3Ph 12.5kVA 525V 50Hz	12.5	1	ME1V0H0Y125A62	6259
MPP - Xtreme Heavy Duty Box 3Ph 13.8kVA 525V 50Hz	13.8	1	ME1V0H0Y138A62	8134
MPP - Xtreme Heavy Duty Box 3Ph 15.4kVA 525V 50Hz	15.4	1	ME1V0H0Y154A62	10191
MPP - Xtreme Heavy Duty Box 3Ph 17.2kVA 525V 50Hz	17.2	1	ME1V0H0Y172A62	11491
MPP - Xtreme Heavy Duty Box 3Ph 20.6kVA 525V 50Hz	20.6	1	ME1V0H0Y206A62	13637
MPP - Xtreme Heavy Duty Box 3Ph 25kVA 525V 50Hz	25	1	ME1V0H0Y250A62	16673
MPP - Xtreme Heavy Duty Box 3Ph 27.5kVA 525V 50Hz	27.5	1	ME1V0H0Y275A62	18271
MPP - Xtreme Heavy Duty Box 3Ph 30.6kVA 525V 50Hz	30.6	1	ME1V0H0Y306A62	20711
MPP - Xtreme Heavy Duty Box 3Ph 33.1kVA 525V 50Hz	33.1	1	ME1V0H0Y331A62	22943
VarPlus-Box APP 525V Range				
APP - Box 3Ph 6.0kVA 525V 50Hz	6.0	1	ME1NSA1Y000A62	7311
APP - Box 3Ph 12.5kVA 525V 50Hz	12.5	1	ME1NSA1Y125A62	11641
APP - Box 3Ph 13.8kVA 525V 50Hz	13.8	1	ME1NSA1Y138A62	12846
APP - Box 3Ph 15.4kVA 525V 50Hz	15.4	1	ME1NSA1Y154A62	14337
APP - Box 3Ph 20.6kVA 525V 50Hz	20.6	1	ME1NSA1Y206A62	19167
APP - Box 3Ph 25kVA 525V 50Hz	25	1	ME1NSA1Y250A62	23268
APP - Box 3Ph 27.5kVA 525V 50Hz	27.5	1	ME1NSA1Y275A62	25616
APP - Box 3Ph 30.6kVA 525V 50Hz	30.6	1	ME1NSA1Y306A62	28515
APP - Box 3Ph 33.1kVA 525V 50Hz	33.1	1	ME1NSA1Y331A62	30828
APP - Box 3Ph 37.2kVA 525V 50Hz	37.2	1	ME1NSA1Y372A62	35131

* Refer to Selection chart for flexitors & Capacitors available on page 315

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2025



VarPlus MAX Detuned Reactors

MAXimize Efficiency
MAXimize Savings



PFC - Detuned Reactors



VarPlus Max Detuned Reactor

- **Performance:** Designed to operate in a stringent harmonic spectrum as per IEEE 519
- **Offer configuration:** 6.5 - 100 kW/440V
- **Product range:** Single inductor from 6.5 - 100 kW/440V
- **Product compliance:** Compliant to IEC 60076-6
- **Type tested:** Certified by CPR
- **Temperature class:** Class H for insulation \leftrightarrow 180°C
- **Reliability:** Conductor design, designed as per maximum permissible current (mpc)
- **Safety:** Built-in thermal protection

Detuned Reactor 440V Range

Description	kVA Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP (₹)
VarPlus MAX Detuned Reactor 5.7%, 440V Range				
VarPlus MAX AL Detuned reactor 20 kW/440V 5.7 % 50Hz	20	1	LVR0200AM10	2900
VarPlus MAX AL Detuned reactor 25 kW/440V 5.7 % 50Hz	25	1	LVR0250AM10	3025
VarPlus MAX AL Detuned reactor 50 kW/440V 5.7 % 50Hz	50	1	LVR0500AM10	6725
VarPlus MAX AL Detuned reactor 100 kW/440V 5.7 % 50Hz	100	1	LVR01000AM10	9121
VarPlus MAX Detuned Reactor 7%, 440V Range				
VarPlus MAX AL Detuned reactor 5 kW/440V 7% 50Hz	5	1	LVR0050AM10	1399
VarPlus MAX AL Detuned reactor 10 kW/440V 7% 50Hz	10	1	LVR0100AM10	1920
VarPlus MAX AL Detuned reactor 12.5 kW/440V 7% 50Hz	12.5	1	LVR0125AM10	2191
VarPlus MAX AL Detuned reactor 15 kW/440V 7% 50Hz	15	1	LVR0150AM10	2305
VarPlus MAX AL Detuned reactor 20 kW/440V 7% 50Hz	20	1	LVR0200AM10	2475
VarPlus MAX AL Detuned reactor 25 kW/440V 7% 50Hz	25	1	LVR0250AM10	2646
VarPlus MAX AL Detuned reactor 50 kW/440V 7% 50Hz	50	1	LVR0500AM10	3974
VarPlus MAX AL Detuned reactor 75 kW/440V 7% 50Hz	75	1	LVR0750AM10	5901
VarPlus MAX AL Detuned reactor 100 kW/440V 7% 50Hz	100	1	LVR1000AM10	7700
VarPlus MAX Detuned Reactor 14%, 440V Range				
VarPlus MAX AL Detuned reactor 10 kW/440V 14 % 50Hz	10	1	LVR1000AM10	2909
VarPlus MAX AL Detuned reactor 15 kW/440V 14 % 50Hz	15	1	LVR1500AM10	3075
VarPlus MAX AL Detuned reactor 25 kW/440V 14 % 50Hz	25	1	LVR2500AM10	3484
VarPlus MAX AL Detuned reactor 50 kW/440V 14 % 50Hz	50	1	LVR5000AM10	6310
VarPlus MAX AL Detuned reactor 100 kW/440V 14 % 50Hz	100	1	LVR1000AM10	12625

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCK ITEMS

WE: January 30th, 2023



Introducing VarPlus MAX Copper Wound Reactors



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	kVA Rating	Minimum Ordering Quantity (No.)	Reference	Unit MRP (₹)
Varplus Copper Detuned Reactor 7%, 440V Range				
Detuned Reactor CU 5kVA 440V 7% 50Hz	5	1	LVFD750AM4CU	16200
Detuned Reactor CU 10kVA 440V 7% 50Hz	10	1	LVFD100AM4CU	26456
Detuned Reactor CU 12.5kVA 440V 7% 50Hz	12.5	1	LVFD125AM4CU	28141
Detuned Reactor CU 15kVA 440V 7% 50Hz	15	1	LVFD150AM4CU	30990
Detuned Reactor CU 20kVA 440V 7% 50Hz	20	1	LVFD200AM4CU	34926
Detuned Reactor CU 25kVA 440V 7% 50Hz	25	1	LVFD250AM4CU	39270
Detuned Reactor CU 50kVA 440V 7% 50Hz	50	1	LVFD500AM4CU	66780
Detuned Reactor CU 100kVA 440V 7% 50Hz	100	1	LVFD100AM4CU	127666
Varplus Copper Detuned Reactor 14%, 440V Range				
Detuned Reactor CU 10kVA 440V 14% 50Hz	10	1	LVFM100AM4CU	32333
Detuned Reactor CU 25kVA 440V 14% 50Hz	25	1	LVFM250AM4CU	62987
Detuned Reactor CU 50kVA 440V 14% 50Hz	50	1	LVFM500AM4CU	108814

Please contact Customer care center for Stockable and Non stockable status of references.

88 NORMAL STOCKS (M)

WEF January 30th, 2023

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

Effective kVA output of Detuned Filter @ 400V	Selection of 480V capacitors for 7% & 2% detuned Reactor for 400V	Selection of 525V capacitors for 7% & 2% detuned Reactor for 400V	Selection of 525V capacitors for 1.8% detuned Reactor for 400V
5	5kVAr 7%& 2% Reactor + 5.6kVAc 480V Capacitor	5kVAr 7%& 2% Reactor + 6.9kVAc 525V Capacitor	5kVAr 1.8% Reactor + 6.9kVAc 525V Capacitor
10	10kVAr 7%& 2% Reactor + 11.2kVAc 480V Capacitor	10kVAr 7%& 2% Reactor + 13.8kVAc 525V Capacitor	10kVAr 1.8% Reactor + 13.8kVAc 525V Capacitor
17.5	17.5kVAr 7%& 2% Reactor + 19.6kVAc 480V Capacitor	17.5kVAr 7%& 2% Reactor + 21.2kVAc 525V Capacitor	17.5kVAr 1.8% Reactor + 21.2kVAc 525V Capacitor
25	25kVAr 7%& 2% Reactor + 28kVAc 480V Capacitor	25kVAr 7%& 2% Reactor + 29.8kVAc 525V Capacitor	25kVAr 1.8% Reactor + 29.8kVAc 525V Capacitor
33	33kVAr 7%& 2% Reactor + 36.4kVAc 480V Capacitor	33kVAr 7%& 2% Reactor + 37.6kVAc 525V Capacitor	33kVAr 1.8% Reactor + 37.6kVAc 525V Capacitor
40	40kVAr 7%& 2% Reactor + 44.8kVAc 480V Capacitor	40kVAr 7%& 2% Reactor + 46.4kVAc 525V Capacitor	40kVAr 1.8% Reactor + 46.4kVAc 525V Capacitor
50	50kVAr 7%& 2% Reactor + 56kVAc 480V Capacitor	50kVAr 7%& 2% Reactor + 58kVAc 525V Capacitor	50kVAr 1.8% Reactor + 58kVAc 525V Capacitor
75	75kVAr 7%& 2% Reactor + 84kVAc 480V Capacitor	75kVAr 7%& 2% Reactor + 87kVAc 525V Capacitor	75kVAr 1.8% Reactor + 87kVAc 525V Capacitor
100	100kVAr 7%& 2% Reactor + 112kVAc 480V Capacitor	100kVAr 7%& 2% Reactor + 116kVAc 525V Capacitor	100kVAr 1.8% Reactor + 116kVAc 525V Capacitor

Please contact Customer care center for Stockable and Non stockable status of references.

☑️ MCBM2 STOCK ITEMS

W.E.F. January 30th, 2023



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

Power Factor Correction Products



APFC Relays

Description	No. of Step	Minimum Ordering Quantity (No.)	Reference	List Price (€)
Varlogic APFC Relays - Classic Range				
RTE - 6 step 40V 1A	6	1	S120 [B]	1970
RTR - 6 step 40V 1A	6	1	S120 [B]	2663
RT12 - 12 step 40V 1A	12	1	S1213 [B]	2962
VarPlus Logic APFC Relays - Advanced Range				
VPL06 6 step LCD Display , 0V - 50V 500VA or 1A/1A with RS485	6	1	VPL06A [B]	4090
VPL12 12 step LCD Display , 0V - 50V 500VA or 1A/1A with RS485	12	1	VPL12N [B]	4767

Please contact Customer care center for Stockable and Non stockable status of references.

[\[B\]](#) M8MM2 STOCK ITEMS

W.E.F. January 30th, 2023



PowerLogic™ DVR

Stabilize voltage and
maximize reliability



• Reliability



• Efficiency



• Performance

se.com/in

PowerLogic™ DVR



- Mitigates three-phase voltage sags up to -70% deep or single-phase interruptions
- Continuous regulation to offer high stabilization ($\pm 1\%$)
- Very high operational efficiency (> 98%)
- Power range from 150 to 600 kVA
- Slew and overvoltage compensation up to +20%
- High response speed (< 3 milliseconds)
- Compensation of voltage dips even for longer times (up to 30 seconds)

PowerLogic DVR 380/400/415 V, 50/60 Hz

Sag Level	Rated Power (kVA)	By-Pass Rating (A)	Commercial Reference Number				By-Pass		Price
			By-Pass Rating	Master Reference	Qty	Slave Reference	Qty	By-Pass Reference	
40%	150	630A	DV115040100	X 1			DVBP630	X 1	On Request
	220	630A	DV122040100	X 1			DVBP630	X 1	
	300	630A	DV130040100	X 1			DVBP630	X 1	
	440	1250A	DV1M1040100M	X 1	DVM1040100S	X 1	DVBP1250	X 1	
	500	1250A	DV150040100M	X 1	DV150040100S	X 1	DVBP1250	X 1	
	600	1250A	DV160040100M	X 1	DV160040100S	X 1	DVBP1250	X 1	
	750	2000A	DV175040100M	X 1	DV175040100S	X 2	DVBP2000	X 1	
	900	2000A	DV190040100M	X 1	DV190040100S	X 2	DVBP2000	X 1	
50%	220	630A	DV122050100	X 1			DVBP630	X 1	
	440	1250A	DV1M1050100M	X 1	DVM1050100S	X 1	DVBP1250	X 1	
	600	2000A	DV160050100M	X 1	DV160050100S	X 2	DVBP2000	X 1	
60%	150	630A	DV115060100	X 1			DVBP630	X 1	
	300	1250A	DV130060100M	X 1	DV130060100S	X 1	DVBP1250	X 1	
	440	1250A	DV1M1060100M	X 1	DVM1060100S	X 2	DVBP1250	X 1	

Please contact Customer care center for Stockable and Non stockable status of references.

⚡ MIBIKE STOCK ITEMS

W.E.F. January 30th, 2023



Accusine PCS+

- All in one: Harmonics, PF, Load unbalance, Flicker
- Fully selectable harmonics: 2nd to 50th
- Flexible CT connection: Load side/ source side
- Suitable to work in Harsh environment including marine application
- Parallel connection up to 99 units - any combination of models
- Standards compliance / certification: UL_{PC} (UL 508, 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



Storage plants



Airport



IPEC



Healthcare

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

Active Harmonic Filtering Solutions

AccuSine PCS+



- 3-Ph, 3-wire connection
- Both 208V to 600V 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 (€)
AccuSine PCS+				
AccuSine PCS+ 60A 380V-480V 50-60Hz IP21	60	1	PCSP060E6P21	On Request
AccuSine PCS+ 120A 380V-480V 50-60Hz IP21	120	1	PCSP120E6P21	On Request
AccuSine PCS+ 200A 380V-480V 50-60Hz IP21	200	1	PCSP200E6P21	On Request
AccuSine PCS+ 300A 380V-480V 50-60Hz IP21	300	1	PCSP300E6P21	On Request
AccuSine PCS+ 60A 380V-480V 50-60Hz IP54				
AccuSine PCS+ 60A 380V-480V 50-60Hz IP54	60	1	PCSP060E6P54	On Request
AccuSine PCS+ 120A 380V-480V 50-60Hz IP54	120	1	PCSP120E6P54	On Request
AccuSine PCS+ 200A 380V-480V 50-60Hz IP54	200	1	PCSP200E6P54	On Request
AccuSine PCS+ 300A 380V-480V 50-60Hz IP54	300	1	PCSP300E6P54	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 (€)
AccuSine PCSn				
AccuSine PCSn 30A 208-415Vac 3ph+N chassis IP20	30	1	PCSN030YAC100	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N chassis IP20	60	1	PCSN060YAC100	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N chassis IP20 expansion module	60	1	PCSN060Y4CH00	On Request
AccuSine PCSn 30A 208-415Vac 3ph+N wall mount IP20	30	1	PCSN030YAW20	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N wall mount IP20	60	1	PCSN060YAW20	On Request
AccuSine PCSn 60A 208-415Vac 3ph+N wall mount IP20 expansion module	60	1	PCSN060YAW20E	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.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023



Go
DIGITAL
with your
power factor correction

PowerLogic™ VarSet Smart: A new, IoT-connected innovation for realtime power factor control

#WhatsYourBoldIdea

se.com/in





Digitize your power factor correction

PowerLogic™ VarSet Smart

Every electrical network can benefit from power factor correction. It's the fastest way to save money and improve energy efficiency.

An EcoStruxure™-ready VarSet Smart solution provides industry-leading diagnostics and IoT connectivity for superior performance monitoring and optimized maintenance.

Energy efficiency

- Lower utility bills by avoiding power factor penalties, lowering demand charges
- Unlock extra system capacity to expand and serve additional loads
- Increase equipment performance and lifespan with improved voltage
- Reduce CO₂ emissions with improved power efficiency

Reliability and performance

- With smart controller, embedded environmental sensors and energy gateway server
- Notify when problems are detected or maintenance is needed
- Self-monitoring and ready to connect to any system

Built to the highest standards

- Save time and effort with easy capacitor bank configuration selection and installation
- Tested and certified according to IEC 61439-1 & 2 and IEC 61921
- Engineered for safety and advanced performance
- Robust enclosure system with heavy-duty capacitors and detuned reactors
- Optimized for remote monitoring and preventative maintenance



Remote power factor monitoring center

12 months
return on investment*

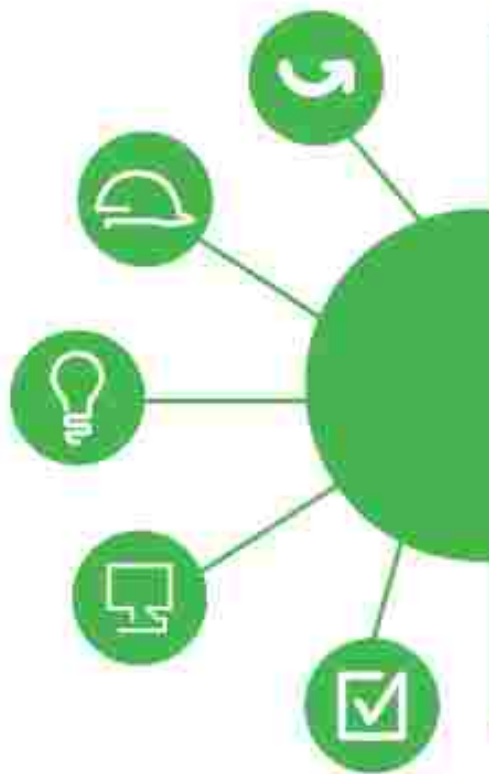
** Figures based on previous customer performance. Not a guarantee of performance in every case.*

Please contact Customer care center for Stockable and Non-stockable status of references.

SEE NORMAL STOCK ITEMS

WEF January 30th, 2023

Power Factor Correction Equipment - VarSet



Reliable

- > Achieves Target set PF
- > Reduces demand kVA
- > Eliminates PF Penalty
- > Specify what exactly it means
- > Full savings in DG



Safe

- > Burst proof capacitors
- > Delayed Reactors- No Harmonic Amplification
- > Minimum switching transient



Embedded Intelligence

- > Auto start, Auto detection, Auto polarity check, Auto cut
- > 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)
- > Seamless integration with PLC, PC



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



LEED Green building
Gold medal



IEC



RoHS
RoHS



REACH



Indian Standards

Please contact Customer care center for Stockable and Non stockable status of references.

☑ ALL M8MM STOCK ITEMS

WEF: January 30th, 2023

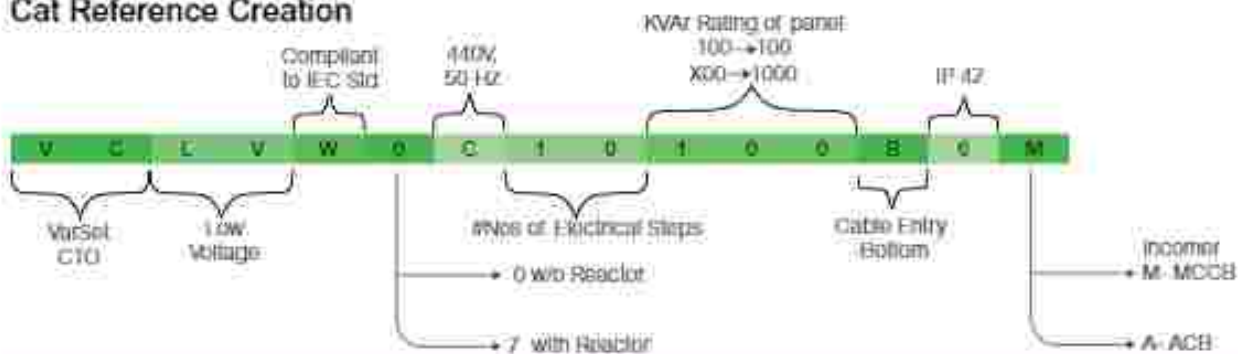
Power Factor Correction Equipment - VarSet



VarSet LV APFC panels without reactors

Panel Ratings	Step Configuration in kVAr	Cat Reference No.	Dimensions (in mm) W x D x H	Unit MPP [1]
Incomer MCCB				
100	3x10kVAr + 1x20kVAr + 1x50kVAr	VC1.WD0C1010006M	800 x 800 x 2325	On Request
125	2x12.5kVAr + 2x25kVAr + 1x50kVAr	VC1.WD0C1012506M	800 x 800 x 2325	On Request
150	2x12.5kVAr + 1x25kVAr + 2x50kVAr	VC1.WD0C1215006M	800 x 800 x 2325	On Request
200	2x12.5kVAr + 1x25kVAr + 3x50kVAr	VC1.WD0C1020006M	800 x 800 x 2325	On Request
250	2x12.5kVAr + 1x25kVAr + 4x50kVAr	VC1.WD0C2025006M	1200 x 800 x 2325	On Request
300	2x12.5kVAr + 1x25kVAr + 5x50kVAr	VC1.WD0C2430006M	1200 x 800 x 2325	On Request
350	2x12.5kVAr + 1x25kVAr + 6x50kVAr	VC1.WD0C2835006M	1200 x 800 x 2325	On Request
400	2x25kVAr + 3x50kVAr + 2x100kVAr	VC1.WD0C1640006M	1200 x 800 x 2325	On Request
500	2x25kVAr + 3x50kVAr + 3x100kVAr	VC1.WD0C2050006M	1200 x 800 x 2325	On Request
Incomer ACB				
500	2x25kVAr + 3x50kVAr + 3x100kVAr	VC1.WD0C2050006A	1200 x 800 x 2325	On Request
600	2x25kVAr + 3x50kVAr + 4x100kVAr	VC1.WD0C2460006A	1400 x 800 x 2325	On Request
700	2x25kVAr + 3x50kVAr + 5x100kVAr	VC1.WD0C2870006A	1400 x 800 x 2325	On Request
750	2x25kVAr + 4x50kVAr + 5x100kVAr	VC1.WD0C3075006A	1400 x 800 x 2325	On Request
800	2x25kVAr + 3x50kVAr + 6x100kVAr	VC1.WD0C3280006A	2000 x 800 x 2325	On Request
900	2x25kVAr + 3x50kVAr + 7x100kVAr	VC1.WD0C3690006A	2000 x 800 x 2325	On Request
1000	2x25kVAr + 1x50kVAr + 9x100kVAr	VC1.WD0C4000006A	2000 x 800 x 2325	On Request

Cat Reference Creation



Product offer: VarSet LV APFC panels with / without Reactors Ratings → 100kVAr to 1000kVAr Capacitor → MPP HD Cap /MVA/80V, with 3ph simultaneous PSD	General Features: System voltage → 410V Frequency → 50Hz Phase → 3 Design → Modular IP → IP42 Switching → Synchro	Incomer: Up to 350kVAr → MCCB, 36kA From 250 to 500kVAr → MCCB, 50kA From 500 to 1000kVAr → ACB, 60kA Step protection → MCCB, 30kA	Switching: Capacitor duty contactor without Reactor design Power Contactors - with Reactor design
---	--	---	--

Please contact Customer care center for Stockable and Non stockable status of references.

SEE NORMAL STOCKINGS

WEF January 30th, 2023

Power Factor Correction Equipment - VarSet



Branch Protection: MCCB

- > Branch Protection: MCCB
 - Reduces thermal stresses on the electrical distribution network
 - Unique electronic fault type indication (SITF)



Capacitor: LV Shunt, MPP FILM

- > Capacitor: LV MPP film
 - IEC 60831-1,2 Compliant
 - Unique Pressure sensitive disconnecter
 - Class D (+55degC)



Detuned Reactor: Oil Wound

- > Detuned Reactor: Oil Wound
 - Compliant to IEC 60076-6
 - Class H insulation (180 °C)
 - Inbuilt thermal protection



Incomer: ACB/MCCB

- > Incomer: ACB/MCCB
 - No derating upto 55°C as per IEC 60947 part 1 & 2
 - Fastest Breaking time <25ms



APFC Controller: Varlogic RT/ VarPlus Logic VPL

- > APFC Controller: Varlogic RT/ VarPlus Logic VPL
 - Most intelligent PFC relay in market with 6, 8, 12 steps
 - Ready to communicate with digital RS485 port

VarSet LV APFC panels with 7% reactors

Panel Rating	Block Configuration in kW	Cat Reference No.	Dimensions (for min kW x D x H)	Unit MPP RT
Incomer MCCB				
100	3x10kW + 6x7.5kW + 1x50kW	VCLWVC10100M6M	1200 x 800 x 2325	On Request
125	3x12.5kW + 3x7.5kW + 1x50kW	VCLWVC10125M6M	1200 x 800 x 2325	On Request
150	3x12.5kW + 1x7.5kW + 2x50kW	VCLWVC12150M6M	1250 x 800 x 2325	On Request
200	3x12.5kW + 1x7.5kW + 3x50kW	VCLWVC10200M6M	1200 x 800 x 2325	On Request
250	3x12.5kW + 1x7.5kW + 4x50kW	VCLWVC20250M6M	1800 x 800 x 2325	On Request
300	3x12.5kW + 1x7.5kW + 5x50kW	VCLWVC24000M6M	1800 x 800 x 2325	On Request
350	3x12.5kW + 1x7.5kW + 6x50kW	VCLWVC28350M6M	1800 x 800 x 2325	On Request
400	3x7.5kW + 3x50kW + 2x100kW	VCLWVC10400M6M	1800 x 800 x 2325	On Request
500	3x7.5kW + 3x50kW + 3x100kW	VCLWVC20500M6M	1800 x 800 x 2325	On Request
Incomer ACB				
600	3x7.5kW + 3x50kW + 3x100kW	VCLWVC20600M6A	1800 x 800 x 2325	On Request
800	3x7.5kW + 3x50kW + 4x100kW	VCLWVC20800M6A	2200 x 800 x 2325	On Request
100	3x7.5kW + 3x50kW + 5x100kW	VCLWVC20100M6A	2200 x 800 x 2325	On Request
150	3x7.5kW + 4x50kW + 5x100kW	VCLWVC30150M6A	2200 x 800 x 2325	On Request
200	3x7.5kW + 3x50kW + 6x100kW	VCLWVC30000M6A	3200 x 800 x 2325	On Request
300	3x7.5kW + 3x50kW + 2x100kW	VCLWVC30300M6A	3200 x 800 x 2325	On Request
1000	3x7.5kW + 1x50kW + 9x100kW	VCLWVC401000M6A	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.

☑️ MINIMUM STOCK ITEMS

W.E.F. January 30th, 2023

Life Is On

Schneider
Electric

Schneider Electric India Pvt. Ltd.

Corporate Office: 8th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurgaon 122002 | Gurgaon
Tel: +91 124 6699000 | Fax: +91 124 4220360037

Amritsar

Schneider Electric India (P) Ltd.
15th Floor, 117, New Market 6
FazalKhanera Chak, 50 Highway
Amritsar-141001
Tel: 019-46626797

Bangalore

Schneider Electric India (P) Ltd.
No. 37, 2nd Floor, Park
Madras Road, Miller Road, 2nd
Floor, Vengal Rao
Bangalore - 560017
Tel: 080-25481761

Bhubaneswar

Schneider Electric India (P) Ltd.
Wellness Or Working in the presence
Office No. 218, 1st Floor, Old Mill
Ringspark, Bhubaneswar - 751019

Chennai

Schneider Electric India (P) Ltd.
No. 25, 2nd Floor,
Bazaar Avenue, Avenue 11 Block
24, Thebanagar Road, Mylapore
Chennai - 600 031
Tel: 044-25180000

Coimbatore

Schneider Electric India (P) Ltd.
Alappi Properties (P) Ltd
Trade Name: Green AC
Main Dock Number - 662001
Old Dock Number - 662004 1/2
1st Floor Alappi Storage Building
MC Road Kochi - 682016

Cuttack

Schneider Electric India (P) Ltd.
Hemachandra Road, 2nd Floor,
Unit No. 10/11, C-39, No. 10/107
Vishwambhawan Road, New India
Cuttack-753008

Hyderabad

Schneider Electric India (P) Ltd.
33A, 1 B 2/1, 4th Fl, Anand
Universal Chambers, 2nd Floor
Secunderabad - 500003
Tel: 080-67116439

Jammu

Schneider Electric India (P) Ltd.
218, 1st Floor, 1st Floor
Vengal Rao, KID Road
Jammu-180011

Jodhpur

Schneider Electric India (P) Ltd.
Jodhpur Investment Centre 300
2nd Floor, Jaipur Tower 100
Chand Road, Jaipur-302001
Tel: 0141-2048810

Kolkata

Schneider Electric India (P) Ltd.
101 A, Sector V, Salt Lake
1st Floor, Salt Lake City
Kolkata-700091
Tel: 033-26616800

Ludhiana

Schneider Electric India (P) Ltd.
Saxena, 16th Fl, 103123
2nd Floor, 404A/5C, Vardaan Road
Tarn Taran - 147001
Uttar Market - 147010
Tel: 0182-2690004

Luxembourg

Schneider Electric India (P) Ltd.
SCO 218, 2nd Floor
Chandigarh Road, Sector 27
Lucknow, India-226010
Tel: 0522-2600011

Mumbai

Schneider Electric India (P) Ltd.
2nd Floor, Tower A
Hemachandra Road
Mughal Saray, 2nd Floor, Park
Industrial Park No. 1, Phase B,
Bandra West, Mumbai - 400050
Tel: 022-25180000

Madurai

Schneider Electric India (P) Ltd.
Maruthi House, 2nd Floor,
Kumbakonam Main Road
Andhra Court, Madurai - 625017
Tel: 045-2028000

Nagpur

Schneider Electric India (P) Ltd.
B. Vengal Rao Complex
2011, 1st Floor, Shrihari Nagar
Nagpur-479001
Tel: 0712-2546001

Noida

Schneider Electric India (P) Ltd.
401-493, 2nd Floor, 2nd Floor, Sector
Jyoti Centre, Gurgaon Road
Noida - 201301
Tel: 0120-2048000

New Delhi

Schneider Electric India (P) Ltd.
G-14, Maxima Industrial Area, Phase 2
New Delhi - 110064
Tel: 011-26141400

Pune

Schneider Electric India (P) Ltd.
Amen Office, 010 No 211, BMC House
2nd Floor, 2nd Floor, Dnyanesh
Wing, Nagpur, Pune - 411001
Tel: 020-25180000

Varanasi

Schneider Electric India (P) Ltd.
Noida II Park, 117, 1st Floor, Block II,
Sunshine Complex, Noida
Varanasi, Uttar Pradesh - 221017

Vishakhapatnam

Schneider Electric India (P) Ltd.
DNV 10 1st Floor, 1st Floor
Hemachandra Road, Green
Nagpur, 1st Floor, 1st Floor, Compound
Vishakhapatnam - 530016
Tel: 0891-6660000

For more information, visit our website at www.se.com/india.

- All Prices are in Indian Rupees
- Prices are subject to change without prior notice
- Product execution to a customer's order and Schneider Electric reserves the right to modify without any product at any time without prior notice
- Price charged will be as prevailing on the date of dispatch
- Invoice Amount – (GST) – less Applicable discount – Applicable GST %
- Tax Incentives (on interest) is basic application GST rates
- Invoice amount not to exceed MRP
- Product pictures shown are for illustration purposes only, actual product may vary

Distributor

Customer Care Centre

Monday - Saturday 9 a.m. to 6 p.m.
(all time throughout India) 1800-434-4343, 1800-100-8011
(Email: customercare.india@schneider-electric.com)