

2016-17

TRADE PRICE LIST

Effective February 2016

Tobin
ELECTRICAL COMPONENTS



***Delivering you the world of
electrical switchgear since 1977***

AN AUSTRALIAN OWNED COMPANY

TOBIN

ELECTRICAL COMPONENTS



TOBIN
ELECTRICAL COMPONENTS

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Some items in this catalogue may be indent. Please enquire for availability.

IMPORTANT NOTICE:

All products in this publication attract 10% GST.

All trade prices are exclusive of GST.

Distributors of Electrical Switchgear, Heating Elements and Controls

Dear Valued Customer,

Welcome to the 2016/17 edition of the Tobin Electrical Components Trade Price Catalogue. This catalogue showcases the range of products available from Tobin's via our growing National Distributor and Reseller network.


Tobin Electrical Components was founded in 1977 and based in a small storeroom in Five Dock, Sydney. It continues to be a family owned and operated business but has progressed to large modern warehouse and offices, situated at 2C Brunker Road Chullora NSW.

Tobin Electrical Components also have an interest in an injection moulding, metal stamping & assembly factory in the Dongguan Province of Southern China. This factory is already producing various products such as PVC enclosures, timers, switches, thermostats and weatherproof isolators under the Tobin branded logo of Eureka. With the Eureka range of products now becoming one of our fastest growing ranges, we will continue to develop products that suit the need for quality and performance as expected by the Australian Electrical Industry.

Our staff is our future, our suppliers are our backbone and you, our valued customers are the integral ingredient that has helped Tobin Electrical Components grow to the Company it is today and into the future.

Thank you for being part of our story, and I look forward to many years of serving you, our valued customer with electrical products from around the world.

Yours Sincerely,



Vince Grasso
Managing Director

Tobin Electrical Components Pty Ltd

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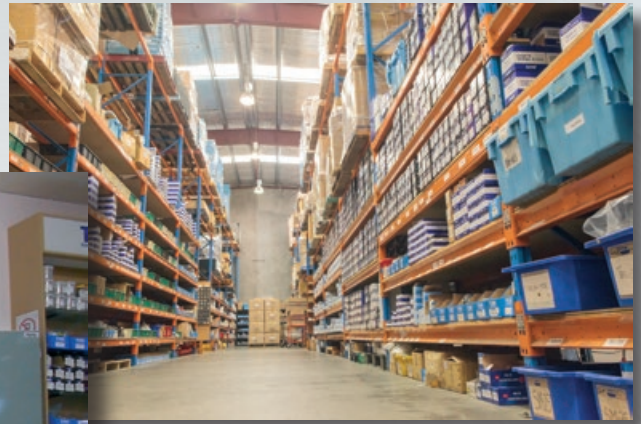
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Tobin at a Glance...

Tobin Electrical Components now has a modern air conditioned trade pick up area with a showroom displaying a large variety of products featured in the Tobin Trade Catalogue.



Freight & Delivery

We aim to supply your order on time – every time! Whether it is delivered from our National Distribution Centre in Chullora or via our extensive distributor network, you are sure to receive your delivery in the quickest possible time.

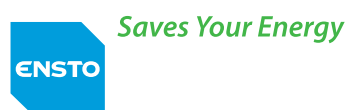


Sales Team

Our sales team has a vast knowledge of the electrical industry and many years of experience in building customer relationships.



Proudly supported by:



New Products!

Since the release of our 2013-2014 catalogue, we have developed and sourced over 50 new product ranges from around the world, which include:

Gewiss high wall PVC enclosures.....	16
Expanded range of Eureka distribution board and enclosure system.....	30
Rittal AE orange enclosures.....	51
Rittal stainless steel blind nut mounting enclosures	52
Rittal E-Box enclosures	55
Rittal KS fibreglass enclosures.....	56
Rittal KL terminal boxes	57
Rittal TS8 bayable enclosure system	63
Rittal TP one piece consoles	69
Rittal Toptherm fan and filter units	70
Rittal SK Enclosure heaters	72
Rittal wall and roof mounted cooling units	74
400A Earth and Neutral bars.....	82
Switchboard cubicle lights.....	84
Expanded range of ENSTO Bi metal terminals	86
Eaton E Line compact contactors and overloads	97
Revised range of Eaton cam switches.....	123
Eaton time clocks and accessories	128
Revised range of Eureka relays.....	129
Revised range of Power factor correction products.....	142
LSIS compact RCBO units.....	146
Eureka Encapsulated MCB chassis	147
Eureka 800A MCCB Chassis.....	163
Phoenix Contact Surge Arrestors	175
Phoenix Contact UT, ST and PT din terminal range.....	176
Phoenix Contact terminal marking system.....	182
Phoenix Contact Ethernet switches.....	185
Phoenix Contact signal conditioners and isolating barriers	186
Phoenix Contact QUINT, UNO and TRIO power supplies	189
Phoenix Contact DC to DC converters.....	190
Phoenix Contact hybrid motor starters	191
Phoenix Contact Rifline and Ultra slim relays and accessories range.....	192
Phoenix Contact programmable logic relay system	198
Expanded range of Senva controllers and sensors.....	200
Expanded range of ABC secondary fan controllers	202
Circutor Multi function power meters and current transformers	213
Circutor split core current transformers.....	219
Revised range of TEND pushbuttons and hoist controllers	224
Margirius range of Heavy duty Toggle Switches.....	242
Omron E2B, E2E and E2FM proximity switches	244
Omron compact PLC units.....	251
Omron Safety relays	251
Phoenix Contact safety relays.....	252
Expanded range of Eaton variable speed drives	256
Eureka compact Emergency test units	270
Expanded range of UNI-T testing and measuring products	277
Expanded range of Marechal industrial plugs and sockets	281
Technor Hazardous area fittings	292
Techno Mini connectors	294
Carroll Harnessflex conduits and accessories.....	309
Expanded range of Flexicon conduits and accessories	315
Expanded range of Carroll application tools	332
Revised range of Roller door products and accessories.....	354

...and many more!



■ Eureka Plastic, Aluminium & Metal Enclosures

Gewiss PVC enclosures and weatherproof DIN enclosures	16
Gewiss polyester enclosures	17
Eureka ABS enclosures	17
Boxco ABS & polycarbonate enclosures	18
Boxco ABS & polycarbonate enclosure mounting plates	24
Boxco & Gewiss die cast aluminium enclosures	25
Boxco ABS terminal boxes.....	25
Boxco ABS and Polycarbonate accessories.....	26
Eureka economy metal enclosures - grey.....	27
Eureka economy metal enclosures - orange.....	27
Eureka economy metal enclosure inner door kits	28
Eureka terminal boxes	28



■ Eureka Distribution Board and Enclosure System

Distribution boards IP42 grey and orange.....	32
Distribution boards IP56 grey and orange.....	33
Eureka LITE Economical Distribution Boards	33
Eureka enclosure system overview	34
Accessory module enclosures IP42 and IP56.....	36
C Bus enclosures IP42 and IP56.....	36
Eureka energy management distribution boards overview	37
Metering connection Tags and shrouds	38
Segregation format table and barrier kits	39
Mounting rails, Cable zones, termination enclosures and Extension collars	40
Plinths, Incoming cable enclosures, Rain hoods and Din rail	41
Accessories and mounting brackets.....	42
Escutcheons	44
Eureka plastic load centres and MCB enclosures	45
Eureka metal load centres	46
Weatherproof plastic load centres	46



■ Rittal Enclosure System

AE metal enclosures - grey IP55 & IP66	50
AE metal enclosures - orange IP55 & IP66.....	51
AE 304 stainless steel enclosures IP55 & IP66	51
AE 316L with blind nut stainless steel enclosure IP55 & IP66.....	52
AE 316 stainless steel enclosures rain hoods	53
AE enclosure accessories.....	53
E Box metal enclosures IP66.....	55
KS Fibreglass enclosures IP66	56
Hygienic stainless steel 304 enclosures IP66.....	56
KL Terminal boxes IP66.....	57
KL Stainless Steel Terminal boxes IP66	58
Hygienic stainless steel 304 terminal boxes IP66.....	58
Mining 316 stainless steel enclosures IP66 and inner door kits	59
AE sloped roof 316 stainless steel enclosures IP66.....	60
CM compact metal enclosures - grey IP66.....	60
SE8 free standing enclosures - grey IP55.....	61
SE8 free standing 304 stainless steel enclosures IP55	61
CM and SE8 plinth kits.....	62
TS8 Bayable Mild Steel enclosure system IP55	63
Flex block base plinth system.....	64
TS8 Bayable Stainless Steel enclosure system IP55 and Plinth kits.....	66
TS8 Bayable enclosures accessories.....	66
One piece consoles IP55.....	69
Toptherm fans and filter units.....	70
SK Heaters and fans	72
SK wall and roof mounted Cooling units.....	74





■ Switchboard Building Accessories

Eureka switchboard fans, vent kits, heaters and thermostats	77
Eureka slotted cable duct	78
Legrand Halogen free slotted cable duct	78
Legrand slotted cable duct	78
Din rail	78
Heat shrink tubing	79
Loom tube	80
Spiral binding	80
Memocab wire marking system	80
Earth & neutral bars	82
Active & neutral meter links	83
Line taps	83
Busbar insulators	84
PVC Tape	84
Cubicle lights	84
Terminal strips	84
Tend premium terminal range	85
Ensto Bi-Metal terminals	86
Eureka economy terminal range	87
Self adhesive foam tapes	88
Porcelain & cassette terminal blocks	88
Cuflex flexible & mini flexible bus bars	89
Switchboard hardware	92

■ Eaton Switchgear

X-Start contactors	94
X-Start overloads	95
X-Start contactors accessories and wiring kits	96
E-LINE compact contactors	97
E-LINE overloads and accessories	98
Mini Relays	99
Electronic timing modules	99
DOL starters & Star delta starters	100
Standard and Miniature timing relays	101
RMQ Titan 22mm control devices and accessories	102
Measuring & monitoring relays and thermistor overload relays	110
PKZM0 motor protective circuit breakers	112
PKZM4 motor protective circuit breakers	112
PKE motor protective circuit breakers	112
PKZM01 motor protective circuit breakers	113
Motor protective circuit breaker accessories	113
Motor protective circuit breaker enclosures	114
PLS Miniature circuit breakers, switch disconnectors and accessories	114
Installation contactors	117
Residual current devices and combination units	118
NZM Moulded case circuit breakers and accessories	119
Eureka 250A and 400A, 6 and 10kA MCB chassis	120
Cam switches	123
Easy control relays	124
Uninterruptible power supplies	125



■ Timing Products, Switching, Transformers and Power Supplies

Economy timing relays & accessories.....	127
Multi function timing relays	127
Solid state timers.....	127
Eureka time clocks	128
Eaton time clocks.....	128
Electro mechanical time clocks.....	128
Solid state relays, dimmers & heat sinks.....	129
Eureka Square, flat & round pin relays	129
Heavy duty relays	130
Phase fail relays.....	130
Counters	130
Hour run meters	130
Omron Square, flat & round pin relays	131
Transformers	133
Meanwell power supplies	134

■ LS Switchgear

MC Metasol contactors	137
MT Metasol overloads	138
GMP Metasol electronic overloads	139
GMC Mini contactors & overloads	139
Metasol contactors accessories	140
Metasol contactor relays	141
Metasol power factor correction contactors	142
Reactors, functional plates, capacitors and step controllers	142
MMS LS motor protection circuit breakers & accessories.....	143
BKN LS miniature circuit breakers & accessories	144
LS RCD, RCBO & Din isolators	146
Eureka 6 and 10kA MCB chassis.....	147
Susol moulded case circuit breakers	153
Susol moulded case circuit breaker accessories	161
Susol MCCB RCD protection units.....	163
Susol Moulded case circuit breaker chassis	163
Susol Air circuit breakers & accessories	164
Type 2 co-ordination, cascading and enhanced discrimination charts	171

■ Phoenix Contact Products

Surge Diverters.....	175
UT din mount terminal range and accessories.....	176
ST din mount terminal range and accessories.....	178
PT din mount terminal range and accessories.....	180
Plug in bridges to suit UT, ST and PT terminals.....	182
Terminal marking to suit UT, ST and PT terminal range.....	182
Ethernet switches.....	185
Signal converters.....	186
Isolating barriers	187
Quint range of Power supplies	189
Trio range of power supplies	189
Uno range of power supplies.....	189
DC to DC convertors.....	190
Redundancy modules.....	190
DC UPS systems and batteries	191
Hybrid motor starters	191
Rifline relays	192
PLC Ultra slim relays	196
Programmable logic relay system and accessories.....	198





■ Senva Sensing and Current Monitoring Products

Senva Current sensing relays & remote application relays	200
Temperature sensors	200
Liquid pressure sensors	200
Dry air pressure sensors	201
CO2 & CO sensors	201
Humidity sensors	201
CO2 sensor switching controllers	201
Environmental sensors	202
ABC current monitoring secondary switching controllers and control boards	202



■ Load Break Switches and Fusegear

Load break switches	205
Eureka compact load break switches	205
Ensto load break switches & accessories	206
Tend Panel, din mount and enclosed isolators	206
Change over switches	207
Automatic transfer switches	207
Dumeco load break and change over switches	208
Service fuses, fuse links and switch disconnectors	210
Fuse switches	210
Glass fuses & fuse gear	210



■ Circutor & Metering Products

Multi function power meters	213
Compact current transformers	213
Kilowatt power meters	213
Rishabh panel meters	214
Rishabh current transformers	216
Circutor current transformers	219

■ Control Circuit Devices and Switching components

Comepi 22mm control devices.....	221
Indicator lights	222
Tend control devices.....	224
Tend monobloc control devices.....	227
Tend pre-assembled control stations.....	227
Plastic Pushbutton enclosures and labels.....	228
Aluminium Pushbutton enclosures.....	228
Legend plates and switchboard labels.....	228
Lamp test diode blocks	229
LED lamps	229
Kraus & Naimer cam switches.....	230
Single & double pole rocker switches.....	232
Compact Indicators & other products.....	233
Foot and palm switches	234
Safety gate hinges.....	234
Hoist Pushbutton switches and labels.....	234
Micro switches	235
Compact limit switches	235
Enclosed limit switches	236
Safety limit switches	236
Compact micro switches.....	236
Limit switches.....	237
Safety pull wire switches	240
Float switches	240
Liquid level controllers	240
Air switches.....	240
Foot switches.....	241
Power pushbutton switches	241
Toggle switches.....	242
Margirius Heavy duty toggle switches.....	242



■ Sensing, Safety and Variable Speed Drives

Omron's E2B Inductive proximity sensors	244
Omron E2E Inductive proximity sensors	249
Omron E2FM Stainless steel Inductive proximity sensors	250
Omron XSF Cable connectors.....	250
Photo electric beams.....	251
Omron CP1L compact PLC	251
Omron G9S range of Safety monitoring relays.....	251
Phoenix Contact PSR range of Safety relays.....	252
Eaton's H-MAX HVAC Variable speed drives.....	256
Eaton's S 811+ Soft starters	257
Eaton's DE1 Economy Variable speed drives	258
Eaton's DG1 General purpose Variable speed drives.....	259
Eaton's DC1 Compact Variable speed drives	261
Eaton's DA1 Advanced Variable speed drives	262
Eaton's M-MAX Machinery Variable speed drives	263
Delta VFD-L Variable speed drives.....	264
Delta VFD-E Variable speed drives	265
Delta C-2000 Variable speed drives.....	266
Delta S Series Variable speed drives.....	268





■ Eureka Commercial Contractor Products

Panel mount unswitched socket outlets	270
Eureka emergency test kits	270
Eureka installation contactors	270
Tend LED work lights	271
Gewiss In-floor power boxes	271
Compact safety switches & accessories	271
Eureka DNA corrugated conduit packs	273
Eureka weatherproof isolators, change over switches and GPOs	273
Eureka weatherproof GPOs	273
Eureka Din mount GPOs	273
Logix Bakelite & accessories	274
Eureka installation accessories	275
UNI-T measurement and testing appliances	276
INOX lubricants and greases	278
Take off boxes	279
Temporary supply switchboards	279
Distribution pillars	279



■ Industrial Switches and Plug Sets

Marechal Industrial plugs and sockets overview	281
Marechal DSN Decontactors	285
Marechal DS Decontactors	287
Marechal DXN ATEX Decontactors	289
Technor EX and flameproof range overview	292
Techno mini connectors IP68	294
Gewiss multi pole connectors	294
Gewiss IEC 309 plug sets	298
Gewiss IEC 309 Reefer plugs and switched sockets	299
Gen 3 combination switched socket outlets	301
Gen 3 straight and angled plugs	302
Gen 3 IP66 weatherproof load centres	303
Gen 3 switches, socket outlets & accessories	303
Gen 3 appliance inlets	304
Gen 3 combination RCD protected switched socket outlets	306

■ Industrial Flexible Conduits

Eureka corrugated conduit and fittings	309
Harnessflex Nylon conduit, fittings and accessories	309
Felixcon conduit application guide	315
Corrugated nylon & flexilok fittings	316
Galvanised steel PVC coated liquid tight	318
Smooth spiral reinforced	319
Galvanised steel PVC coated liquid tight oil resistant	320
Galvanised steel PVC	320
Galvanised steel braided	321
Galvanised steel Zinc	321
Stainless steel 316	322
EXD flame proof glands	322
EXD braided flameproof glands	323
EXE Safety and dust ignition proof glands	323
Flexicon installation accessories	323
Flexicon Contractor installation packs	324



■ Cable accessories

Copper Lugs	326
Bi metal lugs	327
Long palm lugs.....	327
Narrow palm lugs	328
Copper crimp lugs.....	328
Boot lace pins	329
Starfix boot lace pins and accessories	329
Ring, spade & quick connect terminals	331
Application tools.....	332
Cable ties and bases.....	334
Nylon & metal cable glands	335
PVC bushes and nylon snap bush fittings	336



■ Acoustic and Visual Warning Devices

Surface mount indicator lights	339
Strobe lights	339
Revolving warning lights	339
Flashing pilot lamps.....	340
Tower lights	341
Bells	342
Buzzers	342
Sirens	342
Fire & warning alarms	342



■ Temperature controllers, Thermocouples & Bi-Metallic Thermostats

Temperature controllers	344
Thermocouples	344
Thermostats	344
Portable Thermostats & Simmerstats	344
EVCO Digital refrigeration and heating controllers and thermometers	345



■ Elsema products and Roller Door Controllers


Elsema handsets, receivers & transmitters.....	347
Elsema and Centurion door products.....	351
Loop Vehicle detectors.....	351
Gate opening systems.....	352
Mounting brackets and aerials.....	352
Roller door remote logic boxes.....	354
Roller door reversing starters.....	354
High speed door controllers	354
Roller door accessories	354



Quick Find Product Index355

Technical Data Sheets.....362

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Delivering you the world of electrical switchgear.



Browse Our Products



The **Products** section contains photos, prices and other useful details about all items in our range.

[Browse Products](#)



Eureka Distribution Board & Enclosure System Catalogue

Edition 3 includes many new products!

The Eureka Distribution Board & Enclosure System has been designed and manufactured in Australia to suit Australian standards & conditions.

In N42 Grey & X15 Orange, the range can be used as a standard 250A or 400A off the shelf distribution board, or to help build up most switchboard assemblies up to 630A.

[View Catalogue](#)

Visit the new www.tobins.com.au

View detailed information
about our products and download
all our current Tobin catalogues.

EUREKA PLASTIC, ALUMINIUM & METAL ENCLOSURES

Gewiss PVC enclosures and weatherproof DIN enclosures	16
Gewiss polyester enclosures	17
Eureka ABS enclosures	17
Boxco ABS & polycarbonate enclosures	18
Boxco ABS & polycarbonate enclosure mounting plates	24
Boxco & Gewiss die cast aluminium enclosures	25
Boxco ABS terminal boxes.....	25
Boxco ABS and Polycarbonate accessories.....	26
Eureka economy metal enclosures - grey	27
Eureka economy metal enclosures - orange.....	27
Eureka economy metal enclosure inner door kits	28
Eureka terminal boxes	28



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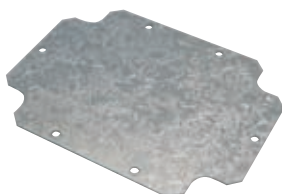
44621



44114



44137



7077

UV stabilised. IP56 waterproof. Reliable performance.
Double insulated. Inbuilt hinges. Ease of installation.
Tamperproof seals. Industrial applications.

Grey Cover & Grey Body

Part no.	Height	Width	Depth	Price \$
44204	100	100	50	18.40
44206	150	110	70	32.00
44207	190	140	70	58.86
44208	240	190	90	81.55
44209	300	220	120	143.41
44210	380	300	120	207.13
44211	460	380	120	279.53
44215	120	80	120	28.16
44216	150	110	140	41.14
44217	190	140	140	70.49
44218	240	190	160	97.92
44219	300	220	180	159.15
44220	380	300	180	229.19
44221	460	380	180	317.91

Clear Cover & Grey Body

Part no.	Height	Width	Depth	Price \$
44426	150	110	70	90.30
44428	240	190	90	147.13
44429	300	220	120	211.98
44430	380	300	120	302.11
44431	460	380	120	466.00
44436	150	110	140	100.63
44437	190	140	140	117.84
44438	240	190	160	176.54
44439	300	220	180	246.74
44440	380	300	180	383.78
44441	460	380	180	506.92

Wall mounting kits available (pack of 2) Part No. 44621 \$5.50

High wall PVC Enclosures IP56

Base of enclosure is deeper to allow up to 40mm and 50mm conduits.
Halogen Free. Grey lid and clear lid available.
Double insulated.



Part no.	Height	Width	Depth	Price \$
<i>Grey Cover & Grey Body</i>				
44114	100	100	80	18.40
44117	190	140	110	58.85
44118	240	190	130	97.10
44119	300	220	170	159.10
44120	380	300	170	229.00
<i>Clear Cover & Grey Body</i>				
44137	190	140	110	101.60
44138	240	190	130	175.20
44139	300	220	170	245.10
44140	380	300	170	381.60

Mounting Plates to suit Gewiss PVC Enclosures

Part no.	Suits enclosure size	Price \$
7061	120 x 80	13.66
7069	150 x 110	14.45
7077	190 x 140	14.56
7085	240 x 190	17.44
7093	300 x 220	30.76
7101	380 x 300	57.51
44619	460 x 380	80.71

Gewiss IP65 Surface And Flush Mount DIN Enclosures

Watertight board with blank cover for mounting accessories. Great for use as outdoor temporary supply boards. Lockable door. All boxes in this range do not come with E&N bars. Suitable for control panels where blank lid below din section can be used to mount GPO's, pilot lights or other surface mount equipment.

Part No.	Description	Height	Width	Depth	Price \$
GW68002N	10 pole din section IP65 with blank lid	435	220	96	150.50
GW68004N	14 pole din section IP65 with blank lid	360	320	120	196.60
GW68007N	14 pole din section IP65 with blank lid	510	320	120	268.70
GW68012N	20 pole din section IP65 with blank lid	560	450	120	376.10

Transparent door mounting kits IP55

For mounting MCB / RCD or most modular din mount accessories into enclosure doors or side panels

Part No.	Description	Height	Width	Depth	Price \$
GW48681	6 pole IP55 transparent door mounting kit				129.00
GW48682	12 pole IP55 transparent door mounting kit				185.80
GW48644	Locking kit to suit transparent door mounting kits				50.70

Gewiss IP65 Polyester Enclosures

The Gewiss 46QP range of polyester enclosures are rated at IP65, RAL7035 Halogen free, suited for temperature range -25 deg to +60 deg Accessories available include inner door kits, quick fit din rail assemblies key lockable handles. Mounting plates to be ordered separately. Wall mounting brackets not included. Quick fit accessories are available on indent, please enquire

Part no.	Height	Width	Depth	Price \$
GW46002	425	310	160	412.67
GW46003	500	405	200	546.15
GW46004	650	405	200	722.17
GW46005	650	515	250	910.28
GW46006	800	585	300	1,335.09
GW46007	1060	800	350	2,002.40

Gewiss IP65 Polyester Enclosure Accessories

Part No.	Suits Enclosure	Height	Width	Price \$
<i>Mounting Plates</i>				
GW46402	GW46002	425	310	60.67
GW46403	GW46003	500	405	72.80
GW46404	GW46004	650	405	101.93
GW46405	GW46005	650	515	133.47
GW46406	GW46006	800	585	143.24
GW46407	GW46007	1060	800	254.87
<i>Inner Doors</i>				
GW46415	GW46003	500	405	163.84
GW46417	GW46005	650	515	236.64
GW46419	GW46007	1060	800	497.61

Part No.	Description	Price \$
<i>Accessories</i>		
GW46445	key lockable handle with 2 keys	60.67
GW46451	Set of 4 stainless steel wall mounting brackets (not included with enclosure)	60.67

Eureka ABS Enclosures IP65

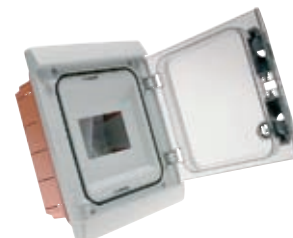
IP65 economy enclosures. For refrigeration and temperature controllers to suit EUR121210H, please refer to page 345.

Part No	Description	Price \$
EUR121210	125 x 125 x100mm ABS enclosure	26.52
EUR121210H	125 x 125 x100mm ABS with 29 x 71mm hole	33.69
EUR161275	160 x 120 x 75mm ABS enclosure, UV rated	50.00
EUR191585	190 x 150 x 85mm ABS enclosure, UV rated	52.71

GEWISS



GW 68 004



GW 48 681



GW46002



GW46415



GW46445

Eureka



EUR121210



EUR121210H



EUR191585



BOXCO ABS and Polycarbonate enclosures.

The Boxco range of enclosures are a durable, premium enclosure ideal for mounting accessories in a water tight enclosure.

The range includes ABS and Polycarbonate units. Mounting plates need to be ordered separately and a full range of accessories for mounting, fitting and installation are available in the range.

All enclosures are either IP66 or IP67, with grey or clear lids which can be screwed or hinged shut

Please note - Mounting plates need to be ordered separately. Refer page 24.

ABS - Grey body, Grey screwed cover. IP66



BC-AGS080806



BC-AGS191913



BC-AGS192818

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-AGS050604	50	65	45	0506S	18.66
BC-AGS050605	50	65	55	0506S	19.57
BC-AGS060905	65	95	55	0609S	24.65
BC-AGS071005	75	105	55	0710S	27.14
BC-AGS080806	80	80	60	0808S	26.36
BC-AGS081104	80	110	45	0811P	24.65
BC-AGS081107	80	110	70	0811P	28.05
BC-AGS081108	80	110	85	0811P	34.83
BC-AGS081307	80	130	70	0813P	31.44
BC-AGS081308	80	130	85	0813P	36.53
BC-AGS081605	80	160	55	0816P	35.61
BC-AGS081608	80	160	85	0816P	39.91
BC-AGS081807	80	180	70	0818P	35.61
BC-AGS081808	80	180	85	0818P	40.70
BC-AGS082507	80	250	70	0825P	41.62
BC-AGS082508	80	250	85	0825P	47.49
BC-AGS101007	100	100	75	1010P	31.44
BC-AGS101010	100	100	100	1010P	34.83
BC-AGS101807	100	185	70	1018P	40.70
BC-AGS102007	100	200	70	1020S	42.40
BC-AGS102307	100	230	70	1023S	44.09
BC-AGS121207	125	125	75	1212P	38.22
BC-AGS121210	125	125	100	1212P	42.40
BC-AGS121707	125	175	75	1217P	45.00
BC-AGS121710	125	175	100	1217P	49.18
BC-AGS141709	140	170	95	1417P	49.18
BC-AGS142309	140	230	95	1423P	55.18
BC-AGS151507	150	150	75	1515P	46.70
BC-AGS151510	150	150	100	1515P	50.87
BC-AGS152007	150	200	75	1520P	49.18
BC-AGS152010	150	200	100	1520P	52.57
BC-AGS152013	150	200	130	1520P	55.96
BC-AGS152016	150	200	160	1520P	66.13
BC-AGS152510	150	250	100	1525P	58.57
BC-AGS152513	150	250	130	1525P	67.05
BC-AGS161607	160	160	70	1616S	52.57
BC-AGS202010	200	200	100	2020P	63.66
BC-AGS202013	200	200	130	2020P	70.45
BC-AGS202016	200	200	160	2020P	79.70
BC-AGS191913	190	190	130	1919P	76.31
BC-AGS192813	190	280	130	1928P	89.09
BC-AGS192818	190	280	180	1928P	106.06
BC-AGS193813	190	380	130	1938P	114.53
BC-AGS193818	190	380	180	1938P	139.98
BC-AGS282813	280	280	130	2828P	114.53
BC-AGS283413	280	340	130	2834P	131.49
BC-AGS283813	280	380	130	2838P	139.98
BC-AGS283818	280	380	180	2838P	165.41
BC-AGS285613	280	560	130	2856S	220.46
BC-AGS334318	330	430	180	3343P	254.38
BC-AGS385618	380	560	180	3856S	296.77

Some items in the Boxco range may be indent. Please check before ordering.

ABS - Grey body, Transparent screwed cover. IP66

Please note - Mounting plates need to be ordered separately. Refer page 24.

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-ATS050604	50	65	45	0506S	22.96
BC-ATS050605	50	65	55	0506S	23.74
BC-ATS060905	65	95	55	0609S	27.14
BC-ATS071005	75	105	55	0710S	29.74
BC-ATS080806	80	80	60	0808S	28.83
BC-ATS081104	80	110	45	0811P	30.52
BC-ATS081107	80	110	70	0811P	33.13
BC-ATS081108	80	110	85	0811P	40.70
BC-ATS081307	80	130	70	0813P	35.61
BC-ATS081308	80	130	85	0813P	42.40
BC-ATS081605	80	160	55	0816P	39.91
BC-ATS081608	80	160	85	0816P	44.09
BC-ATS081807	80	180	70	0818P	41.62
BC-ATS081808	80	180	85	0818P	49.18
BC-ATS082507	80	250	70	0825P	49.18
BC-ATS082508	80	250	85	0825P	57.66
BC-ATS101007	100	100	75	1010P	39.01
BC-ATS101010	100	100	100	1010P	42.40
BC-ATS101817	100	185	70	1018P	45.79
BC-ATS102007	100	200	70	1020S	48.40
BC-ATS102307	100	230	70	1023S	50.87
BC-ATS121207	125	125	75	1212P	45.00
BC-ATS121210	125	125	100	1212P	49.18
BC-ATS121707	125	175	75	1217P	55.18
BC-ATS121710	125	175	100	1217P	61.97
BC-ATS141709	140	170	95	1417P	60.26
BC-ATS142309	140	230	95	1423P	70.45
BC-ATS151507	150	150	75	1515P	57.66
BC-ATS151510	150	150	100	1515P	50.87
BC-ATS152007	150	200	75	1520P	49.18
BC-ATS152010	150	200	100	1520P	69.53
BC-ATS152013	150	200	130	1520P	72.92
BC-ATS152016	150	200	160	1520P	91.58
BC-ATS152510	150	250	100	1525P	79.70
BC-ATS152513	150	250	130	1525P	93.27
BC-ATS161607	160	160	70	1616S	59.35
BC-ATS202010	200	200	100	2020P	76.31
BC-ATS202013	200	200	130	2020P	83.10
BC-ATS202016	200	200	160	2020P	97.58
BC-ATS191913	190	190	130	1919P	101.75
BC-ATS192813	190	280	130	1928P	123.01
BC-ATS192818	190	280	180	1928P	139.98
BC-ATS193813	190	380	130	1938P	148.45
BC-ATS193818	190	380	180	1938P	173.88
BC-ATS282813	280	280	130	2828P	156.93
BC-ATS283413	280	340	130	2834P	173.88
BC-ATS283813	280	380	130	2838P	190.85
BC-ATS283818	280	380	180	2838P	216.29
BC-ATS285613	280	560	130	2856S	271.34
BC-ATS334318	330	430	180	3343P	296.77
BC-ATS385618	380	560	180	3856S	356.13



BC-ATS191913



BC-ATS202010

Some items in the Boxco range may be indent. Please check before ordering.



ABS - Grey body, grey hinged cover. IP66

Please note - Mounting plates need to be ordered separately. Refer page 24.



BC-AGP303015



BC-AGP405016

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-AGP091207	90	120	70	0912P	36.53
BC-AGP091208	90	120	85	0912P	38.22
BC-AGP101507	100	150	70	1015P	46.70
BC-AGP101508	100	150	85	1015P	48.40
BC-AGP112107	110	210	75	1121P	53.48
BC-AGP112110	110	210	100	1121P	56.88
BC-AGP112607	110	260	75	1126P	57.66
BC-AGP112610	110	260	100	1126P	61.97
BC-AGP131508	135	155	85	1315P	55.96
BC-AGP131808	135	185	85	1318P	60.26
BC-AGP131810	135	185	100	1318P	61.97
BC-AGP151509	150	150	90	1515P	55.96
BC-AGP151512	150	150	120	1515P	61.05
BC-AGP162110	160	210	100	1621P	65.35
BC-AGP162113	160	210	130	1621P	72.92
BC-AGP162610	160	260	100	1626P	72.14
BC-AGP162613	160	260	130	1626P	82.31
BC-AGP172211	170	220	110	1722P	74.62
BC-AGP172711	170	270	110	1727P	81.41
BC-AGP212110	210	210	100	2121P	82.31
BC-AGP212113	210	210	130	2121P	89.88
BC-AGP192810	190	280	100	1928P	95.88
BC-AGP192814	190	280	140	1928P	106.84
BC-AGP203013	200	300	130	2030P	110.23
BC-AGP203015	200	300	150	2030P	118.71
BC-AGP203018	200	300	180	2030P	123.80
BC-AGP253515	250	350	150	2535P	139.98
BC-AGP253518	250	350	180	2535P	149.23
BC-AGP282813	280	280	130	2828P	135.66
BC-AGP283813	280	380	130	2838P	157.71
BC-AGP303015	300	300	150	3030P	156.02
BC-AGP303018	300	300	180	3030P	162.80
BC-AGP304012	300	400	120	3040P	161.11
BC-AGP304015	300	400	150	3040P	167.89
BC-AGP304018	300	400	180	3040P	183.15
BC-AGP353515	350	350	150	3535P	186.55
BC-AGP353518	350	350	180	3535P	194.24
BC-AGP354512	350	450	120	3545P	207.80
BC-AGP354516	350	450	160	3545P	243.41
BC-AGP354520	350	450	200	3545P	267.94
BC-AGP405016	400	500	160	4050P	262.85
BC-AGP405020	400	500	200	4050P	299.38
BC-AGP406018	400	600	180	4060P	364.61
BC-AGP406023	400	600	230	4060P	379.09
BC-AGP506018	530	630	185	5060P	538.49
BC-AGP506025	530	630	255	5060P	580.89
BC-AGP507018	530	730	185	5070P	593.54
BC-AGP507025	530	730	255	5070P	644.43
BC-AGP608018	630	830	185	6080S	737.69
BC-AGP608028	630	830	285	6080S	873.36

Some items in the Boxco range may be indent. Please check before ordering.

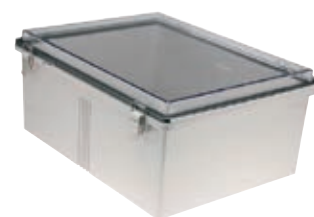
ABS - Grey body, Transparent hinged cover. IP66

Please note - Mounting plates need to be ordered separately. Refer page 24.

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-ATP091207	90	120	70	0912P	41.62
BC-ATP091208	90	120	85	0912P	43.31
BC-ATP101507	100	150	70	1015P	53.48
BC-ATP101508	100	150	85	1015P	55.18
BC-ATP112107	110	210	75	1121P	61.05
BC-ATP112110	110	210	100	1121P	64.44
BC-ATP112607	110	260	75	1126P	66.13
BC-ATP112610	110	260	100	1126P	70.45
BC-ATP131508	135	155	85	1315P	62.75
BC-ATP131808	135	185	85	1318P	67.84
BC-ATP131810	135	185	100	1318P	69.53
BC-ATP151509	150	150	90	1515P	62.75
BC-ATP151512	150	150	120	1515P	67.84
BC-ATP162110	160	210	100	1621P	76.31
BC-ATP162113	160	210	130	1621P	84.01
BC-ATP162610	160	260	100	1626P	84.79
BC-ATP162613	160	260	130	1626P	94.96
BC-ATP172211	170	220	110	1722P	87.40
BC-ATP172711	170	270	110	1727P	99.27
BC-ATP212110	210	210	100	2121P	95.88
BC-ATP212113	210	210	130	2121P	103.45
BC-ATP192810	190	280	100	1928P	113.62
BC-ATP192814	190	280	140	1928P	124.70
BC-ATP203013	200	300	130	2030P	129.79
BC-ATP203015	200	300	150	2030P	138.27
BC-ATP203018	200	300	180	2030P	143.36
BC-ATP253515	250	350	150	2535P	158.62
BC-ATP253518	250	350	180	2535P	167.89
BC-ATP282813	280	280	130	2828P	158.62
BC-ATP283813	280	380	130	2838P	189.16
BC-ATP303015	300	300	150	3030P	181.46
BC-ATP303018	300	300	180	3030P	188.24
BC-ATP304012	300	400	120	3040P	195.03
BC-ATP304015	300	400	150	3040P	201.81
BC-ATP304018	300	400	180	3040P	217.07
BC-ATP353515	350	350	150	3535P	218.76
BC-ATP353518	350	350	180	3535P	226.46
BC-ATP354512	350	450	120	3545P	260.38
BC-ATP354516	350	450	160	3545P	295.99
BC-ATP354520	350	450	200	3545P	320.52
BC-ATP405016	400	500	160	4050P	325.60
BC-ATP405020	400	500	200	54050P	362.13
BC-ATP406018	400	600	180	4060P	429.05
BC-ATP406023	400	600	230	4060P	449.40
BC-ATP506018	530	630	185	5060P	644.43
BC-ATP506025	530	630	255	5060P	686.82
BC-ATP507018	530	730	185	5070P	720.73
BC-ATP507025	530	730	255	5070P	771.61
BC-ATP608018	630	830	185	6080S	983.59
BC-ATP608028	630	830	285	6080S	1,119.26



BC-ATP151509



BC-ATP354516

Some items in the Boxco range may be indent. Please check before ordering.



Polycarbonate - Grey body, grey screwed cover. IP66

Please note - Mounting plates need to be ordered separately. Refer page 24.



BC-CGS081104



BC-CGS282813

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-CGS050604	50	65	45	0506S	28.05
BC-CGS050605	50	65	55	0506S	28.83
BC-CGS060905	65	95	55	0609S	34.83
BC-CGS071005	75	105	55	0710S	39.01
BC-CGS080806	80	80	60	0808P	38.22
BC-CGS081104	80	110	45	0811P	42.40
BC-CGS081107	80	110	70	0811P	44.09
BC-CGS081108	80	110	85	0811P	50.87
BC-CGS081307	80	130	70	0813P	50.87
BC-CGS081308	80	130	85	0813P	59.35
BC-CGS081605	80	160	55	0816P	55.18
BC-CGS081608	80	160	85	0816P	63.66
BC-CGS081807	80	180	70	0818P	59.35
BC-CGS081808	80	180	85	0818P	67.84
BC-CGS082507	80	250	70	0825P	72.14
BC-CGS082508	80	250	85	0825P	80.62
BC-CGS101007	100	100	75	1010P	55.18
BC-CGS101010	100	100	100	1010P	59.35
BC-CGS101817	100	185	70	1018P	67.84
BC-CGS102007	100	200	70	1020S	72.14
BC-CGS102307	100	230	70	1023S	76.31
BC-CGS121207	125	125	75	1212P	59.35
BC-CGS121210	125	125	100	1212P	67.84
BC-CGS121707	125	175	75	1217P	72.14
BC-CGS121710	125	175	100	1217P	80.62
BC-CGS141709	140	170	95	1417P	84.79
BC-CGS142309	140	230	95	1423P	93.27
BC-CGS151507	150	150	75	1515P	80.62
BC-CGS151510	150	150	100	1515P	89.09
BC-CGS152007	150	200	75	1520P	93.27
BC-CGS152010	150	200	100	1520P	101.75
BC-CGS152013	150	200	130	1520P	110.23
BC-CGS152016	150	200	160	1520P	127.19
BC-CGS152510	150	250	100	1525P	114.53
BC-CGS152513	150	250	130	1525P	127.19
BC-CGS161607	160	160	70	1616S	84.79
BC-CGS202010	200	200	100	2020P	118.71
BC-CGS202013	200	200	130	2020P	135.66
BC-CGS202016	200	200	160	2020P	152.63
BC-CGS191913	190	190	130	1919P	152.63
BC-CGS192813	190	280	130	1928P	169.58
BC-CGS192818	190	280	180	1928P	203.50
BC-CGS193813	190	380	130	1938P	220.46
BC-CGS193818	190	380	180	1938P	254.38
BC-CGS282813	280	280	130	2828P	220.46
BC-CGS283413	280	340	130	2834P	254.38
BC-CGS283813	280	380	130	2838P	258.69
BC-CGS283818	280	380	180	2838P	313.74
BC-CGS285613	280	560	130	2856S	415.48
BC-CGS334318	330	430	180	3343P	449.40
BC-CGS385618	380	560	180	3856S	551.15

Some items in the Boxco range may be indent. Please check before ordering.

Polycarbonate - Grey body, Transparent screwed cover. IP66

Please note - Mounting plates need to be ordered separately. Refer page 24.

Please enquire for other size enclosures in this range.

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-CTS151510	150	150	100	1515P	89.10
BC-CTS152010	150	200	100	1520P	101.50
BC-CTS152513	150	250	130	1525P	127.20
BC-CTS202013	200	200	130	2020P	135.65
BC-CTS192813	190	280	130	1928P	169.60
BC-CTS193818	190	380	180	1938P	254.40
BC-CTS282813	280	280	130	2828P	220.45
BC-CTS283818	280	380	180	2838P	320.20
BC-CTS285613	280	560	130	2856S	415.50
BC-CTS334318	330	430	180	3343P	449.40



BC-CTS202013

Polycarbonate - Grey body, Grey hinged cover. IP66

Please note - Mounting plates need to be ordered separately. Refer page 24.

Please enquire for other size enclosures in this range.

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-CGP091207	90	120	70	0912P	56.85
BC-CGP101507	100	150	70	1015P	72.90
BC-CGP151509	150	150	90	1515P	89.10
BC-CGP162110	160	210	100	1621P	116.20
BC-CGP162113	160	210	130	1621P	129.80
BC-CGP192814	190	280	140	1928P	185.75
BC-CGP203015	200	300	150	2030P	215.35
BC-CGP303015	300	300	150	3030P	275.65
BC-CGP304012	300	400	120	3040P	293.40
BC-CGP304015	300	400	150	3040P	315.45
BC-CGP353515	350	350	150	3535P	330.70
BC-CGP354516	350	450	160	3545P	451.10
BC-CGP405020	400	500	200	54050P	610.50
BC-CGP506018	530	630	230	5060P	761.40
BC-CGP506025	530	630	255	5060P	786.70
BC-CGP608028	630	830	285	6080P	874.65



BC-CGP354520



BC-CGP303018

Polycarbonate - Grey body, Transparent hinged cover. IP66

Please note - Mounting plates need to be ordered separately. Refer page 24.

Please enquire for other size enclosures in this range.

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-CTP151509	150	150	90	1515P	89.10
BC-CTP162110	160	210	100	1621P	116.20
BC-CTP162113	160	210	130	1621P	129.80
BC-CTP162613	160	260	130	1626P	149.25
BC-CTP192814	190	280	140	1928P	185.75
BC-CTP203015	200	300	150	2030P	215.35
BC-CTP303015	300	300	150	3030P	275.65
BC-CTP304015	300	400	150	3040P	315.45
BC-CTP354516	350	450	160	3545P	451.10
BC-CTP405020	400	500	200	54050P	610.50



BC-CGP151509



BC-CTP151509

Related products:



Slotted Duct
p.78



Heatshrink
p.79



Eaton Contactors
p.97



Transformers
p.133

Some items in the Boxco range may be indent. Please check before ordering.



Mounting plates to suit Boxco ABS and Polycarbonate enclosures

Part No.	Material	Dimension	Price \$
<i>Steel</i>			
0506S	Steel Mounting Plate	52 x 38mm	8.47
0609S	Steel Mounting Plate	50 x 80mm	9.99
0710S	Steel Mounting Plate	60 x 90mm	9.99
0808S	Steel Mounting Plate	65 x 65mm	9.99
1018S	Steel Mounting Plate	88 x 174mm	15.63
1020S	Steel Mounting Plate	88 x 189mm	18.46
1023S	Steel Mounting Plate	88 x 219mm	22.59
1616S	Steel Mounting Plate	134 x 134mm	11.29
2856S	Steel Mounting Plate	232 x 535mm	122.91
3856S	Steel Mounting Plate	345 x 535mm	137.02
6080S	Steel Mounting Plate	550 x 755mm	361.34
<i>ABS</i>			
0811P	ABS Mounting Plate	65 x 65mm	4.35
0813P	ABS Mounting Plate	65 x 115mm	5.64
0816P	ABS Mounting Plate	65 x 152mm	7.17
0818P	ABS Mounting Plate	65 x 165mm	7.17
0825P	ABS Mounting Plate	65 x 235mm	8.47
1010P	ABS Mounting Plate	88 x 89mm	5.64
1212P	ABS Mounting Plate	101 x 102mm	7.17
1217P	ABS Mounting Plate	101 x 156mm	8.47
1417P	ABS Mounting Plate	122 x 154mm	9.99
1423P	ABS Mounting Plate	122 x 211mm	15.63
1515P	ABS Mounting Plate	134 x 134mm	8.47
1520P	ABS Mounting Plate	136 x 186mm	14.11
1525P	ABS Mounting Plate	136 x 235mm	16.94
2020P	ABS Mounting Plate	187 x 187mm	16.94
1919P	ABS Mounting Plate	159 x 159mm	15.63
1928P	ABS Mounting Plate	159 x 248mm	21.28
1938P	ABS Mounting Plate	159 x 348mm	31.05
2828P	ABS Mounting Plate	248 x 248mm	31.05
2834P	ABS Mounting Plate	248 x 308mm	39.52
2838P	ABS Mounting Plate	248 x 348mm	45.17
3343P	ABS Mounting Plate	295 x 395mm	64.93
0912P	ABS Mounting Plate	65 x 95mm	4.35
1015P	ABS Mounting Plate	65 x 115mm	5.64
1121P	ABS Mounting Plate	88 x 189mm	7.17
1126P	ABS Mounting Plate	85 x 232 mm	8.47
1315P	ABS Mounting Plate	101 x 126mm	7.17
1318P	ABS Mounting Plate	113 x 161mm	8.47
1515P	ABS Mounting Plate	123 x 123mm	8.47
1621P	ABS Mounting Plate	129 x 179mm	14.11
1626P	ABS Mounting Plate	129 x 224mm	16.94
1722P	ABS Mounting Plate	129 x 179mm	14.11
1727P	ABS Mounting Plate	129 x 224mm	16.94
2121P	ABS Mounting Plate	179 x 179mm	16.94
1928P	ABS Mounting Plate	159 x 248mm	21.28
2030P	ABS Mounting Plate	166 x 266mm	25.41
2535P	ABS Mounting Plate	216 x 316mm	38.22
2828P	ABS Mounting Plate	248 x 248mm	31.05
2838P	ABS Mounting Plate	248 x 348mm	45.17
3030P	ABS Mounting Plate	262 x 262mm	35.40
3040P	ABS Mounting Plate	265 x 365mm	52.33
3535P	ABS Mounting Plate	320 x 320mm	53.64
3545P	ABS Mounting Plate	306 x 407mm	64.93
4050P	ABS Mounting Plate	358 x 458mm	81.87
4060P	ABS Mounting Plate	358 x 458mm	107.28
5060P	ABS Mounting Plate	450 x 555mm	197.61
5070P	ABS Mounting Plate	450 x 655mm	225.84

Some items in the Boxco range may be indent. Please check before ordering.

Polycarbonate / ABS - Grey body, Transparent hinged cover with internal door. IP66

Part No.	Height	Width	Depth	Mounting plate to suit	Price \$
BC-PGD253519	250	350	190	2535P	263.45
BC-PGD354517	350	450	170	3545P	462.21
BC-PGD354521	350	450	210	3545P	484.22

Die Cast Aluminium Enclosure. IP66/67

Part No.	Height	Width	Depth	Mounting plate to suit	Mounting plate Price \$	Enclosure Price \$
BC-AL061003	64	98	34	6010A	N/A	93.27
BC-AL080806	80	75	57	0808A	9.09	101.74
BC-AL081306	80	125	57	0813A	10.44	127.18
BC-AL081806	80	175	57	0818A	12.47	195.02
BC-AL082506	80	250	57	0825A	13.26	220.45
BC-AL101008	100	100	80	1010A	13.26	178.06
BC-AL101608	100	160	80	1016A	13.94	220.45
BC-AL121208	120	122	80	1212A	13.94	228.94
BC-AL122208	120	220	80	1222A	18.79	271.33
BC-AL122209	120	220	90	1222A	18.79	288.29
BC-AL151309	150	132	90	1513A	20.26	254.37
BC-AL161609	160	160	90	1616A	20.26	296.76
BC-AL162609	160	260	90	1626PL	25.79	381.55
BC-AL181810	180	180	100	1818A	24.32	364.60
BC-AL232011	230	200	110	2320PL	24.32	466.34



BC-PGD253519



BC-AL181810



Die Cast Aluminium Painted Junction Boxes. IP66

-25 deg to 60deg. For wall or surface mounting. Integral mounting feet. Painted grey die cast aluminium. Please enquire for mounting plates, un-painted and explosion proof units.

Part no.	Height	Width	Depth	Price \$
GW 76 261	91	91	54	42.16
GW 76 262	103	128	57	71.62
GW 76 263	130	155	58	72.13
GW 76 264	156	178	75	105.20
GW 76 265	202	239	85	170.38
GW 76 266	244	294	114	295.78
GW 76 267	298	392	144	428.24



GW 76 261

ABS Terminal Boxes. IP66

Part No.	Description	Price \$
BC-AG-4P	Terminal Box With 4 Centre Mounted Terminals	13.54
BC-AG-6P	Terminal Box With 6 Centre Mounted Terminals	15.24
BC-AG-6PT	Terminal Box With 6 Side Mounted 2 Level Double Terminals	16.93
BC-AG-10P	Terminal Box With 10 Center Mounted Terminals	22.01
BC-AG-15P	Terminal Box With 15 Centre Mounted Terminals	49.10
BC-AG-20P	Terminal Box With 20 Centre Mounted Terminals	58.13
BC-AG-20PT	Terminal Box With 20 Side Mounted 2 Level Double Terminals	58.13



BC-AG-6P

Aluminium Terminal Boxes. IP66

Part No.	Description	Price \$
BC-AL-6P	Terminal Box With 6 Center Mounted Terminals	57.00
BC-AL-10P	Terminal Box With 10 Side Mounted 2 Level Double Terminals	63.77
BC-AL-15P	Terminal Box With 15 Center Mount Terminals	98.76
BC-AL-20P	Terminal Box With 20 Center Mount Terminals	114.57



BC-AG-20P

Some items in the Boxco range may be indent. Please check before ordering.



BC-FA253518

**IMPROVED
& EXPANDED
RANGE**



BC-B40



BC-K40



BC-SK



BC-PK



BC-CG-V60



BC-BP-M12



BC-CB20L



BC-CB28S



BC-L75



BC-PSK35

Internal door kits to suit Boxco ABS and Polycarbonate Enclosures

Part no.	Description	Suits enclosure	Price \$
BC-FA203015	Internal Door Kit	AGP/ATP203015	99.53
BC-FA253518	Internal Door Kit	AGP/ATP253518	114.34
BC-FA303015	Internal Door Kit	AGP/ATP303015	107.23
BC-FA304018	Internal Door Kit	AGP/ATP304018	119.08
BC-FA405020	Internal Door Kit	AGP/ATP405020	215.25
BC-FA406023	Internal Door Kit	AGP/ATP406023	258.87

Accessories to suit Boxco ABS and Polycarbonate enclosures

Part no.	Description	Price \$
<i>Stainless steel wall mounting brackets</i>		
BC-B40	Stainless Wall Bracket - Small	3.08
BC-B50	Stainless Wall Bracket - Medium	3.44
BC-B60	Stainless Wall Bracket - Large	4.21
<i>Stainless steel hinges</i>		
BC-H55	Stainless Hinge - Small	6.77
BC-H65	Stainless Hinge - Medium	8.58
BC-H75	Stainless Hinge - Large	10.16
<i>Padlocking devices</i>		
BC-K40	Padlock Bracket, SUS304	19.53
BC-SK	Key Lock, SUS304	50.06
BC-PK	Key Lock, Nylon	29.65
<i>Ventilators</i>		
BC-CG-V60	60mm Ventilator	14.62
BC-CG-V80	80mm Ventilator	22.91
<i>Cable glands</i>		
BC-BP-M12	12mm Bend Proof Cable Gland	3.39
BC-BP-M16	16mm Bend Proof Cable Gland	4.62
BC-BP-M20	20mm Bend Proof Cable Gland	5.85
BC-BP-M25	25mm Bend Proof Cable Gland	12.01
BC-BP-PG21	PG21mm Bend Proof Cable Gland	12.01
<i>Spare lid screws</i>		
BC-CB20L	Small Plastic Screw - Thumb Grip Head	1.30
BC-CB28L	Long Plastic Screw - Thumb Grip Head	1.40
BC-CB28S	Long Plastic Screw - Large Head	1.40
<i>Draw latches</i>		
BC-L55	SUS304 Draw Latch - Small	13.00
BC-L65	SUS304 Draw Latch - Medium	14.00
BC-L75	SUS304 Draw Latch - Large	16.45
<i>Locking draw latches</i>		
BC-PSK15	SUS304 Locking Draw Latch	30.30
BC-PSK20	SUS304 Locking Draw Latch	42.60
BC-PSK35	SUS304 Locking Draw Latch	42.63
BC-PSK50	SUS304 Locking Draw Latch	46.10

Some items in the Boxco range may be indent. Please check before ordering.

IP65 Metal Enclosure - Grey RAL 7035

Polyester coated grey - RAL 7035. Concealed hinges give 130 deg opening. Earthing on door, body and mounting plates. Wall mounting brackets available. Internal doors also available. Complete with mounting plate.



Part No.	Height	Width	Depth	Gland Opening	Locks	Price \$
EUR252010	250	200	100	0	1	175.80
EUR252015	250	200	150	0	1	191.71
EUR252020	250	200	200	0	1	199.22
EUR302015	300	200	150	1	1	251.48
EUR302515	300	250	150	1	1	265.42
EUR302520	300	250	200	1	1	281.22
EUR303015	300	300	150	1	1	292.62
EUR303020	300	300	200	1	1	305.83
EUR403015	400	300	150	1	1	316.32
EUR403020	400	300	200	1	1	367.34
EUR404020	400	400	200	1	1	377.95
EUR406025	400	600	250	1	1	428.01
EUR504015	500	400	150	1	1	500.93
EUR504020	500	400	200	1	1	541.33
EUR504025	500	400	250	1	1	560.69
EUR505020	500	500	200	1	1	560.69
EUR505025	500	500	250	1	1	571.30
EUR604015	600	400	150	2	2	562.50
EUR604020	600	400	200	2	2	581.86
EUR605015	600	500	150	2	2	587.84
EUR604025	600	400	250	2	2	592.75
EUR605020	600	500	200	2	2	615.15
EUR605025	600	500	250	2	2	641.56
EUR606020	600	600	200	2	2	673.17
EUR606025	600	600	250	2	2	790.89
EUR606030	600	600	300	2	2	807.77
EUR705020	700	500	200	2	2	631.07
EUR705025	700	500	250	2	2	765.05
EUR806020	800	600	200	2	2	843.49
EUR806025	800	600	250	2	2	968.44
EUR806030	800	600	300	2	2	984.24
EUR808020	800	800	200	2	2	1,053.66
EUR808025	800	800	250	4	2	1,072.11
EUR808030	800	800	300	4	2	1,097.68
EUR1006025	1000	600	250	2	2	1,162.36
EUR1006030	1000	600	300	2	2	1,212.70
EUR1008025	1000	800	250	2	2	1,376.81
EUR1008030	1000	800	300	4	2	1,385.00
EUR10010030	1000	1000	300	4	2	1,454.98
EUR1208030	1200	800	300	4	2	1,639.80
EUR12010030	1200	1000	300	4	2	1,680.72



EUR403020



EUR404020-OR

IP65 Metal Enclosures - Orange X15

Part no.	Height	Width	Depth	Gland Opening	Locks	Price \$
EUR404020-OR	400	400	200	1	1	337.95
EUR604020-OR	600	400	200	2	1	581.86
EUR604025-OR	600	400	250	2	2	592.75
EUR606020-OR	600	600	200	2	1	673.17
EUR705025-OR	700	500	250	2	1	765.05
EUR806025-OR	800	600	250	2	2	968.44
EUR1006030-OR	1000	600	300	2	2	1,212.70
EUR1008030-OR	1000	800	300	4	2	1,385.00
EUR1208025-OR	1200	800	250	4	2	1,610.00
EUR1208030-OR	1200	800	300	4	2	1,639.80



Eureka Inner Door Kits

Eureka inner door kits come with variable depth sliders, to allow the inner door kit to be positioned at various depths within the enclosure. Inner doors can be fitted with equipment that needs to be accessed behind a locked door, but not within the hazardous voltage area of an enclosure. Color RAL 7035

Eureka inner door kits come complete with - Hinges, Door, Closing latch and key.



EUR-IDK404020

Part no.	Suits Eureka enclosure	Height	Width	Depth	Price \$
EUR-IDK404020	EUR404020	400	400	200	158.02
EUR-IDK505025	EUR505025	500	500	250	167.05
EUR-IDK604025	EUR604025	600	400	250	176.08
EUR-IDK605025	EUR605025	600	500	250	177.21
EUR-IDK606025	EUR606025	600	600	250	191.88
EUR-IDK606030	EUR606030	600	600	300	191.88
EUR-IDK705025	EUR705025	700	500	250	197.53
EUR-IDK806025	EUR806025	800	600	250	248.32
EUR-IDK806030	EUR806030	800	600	300	248.32
EUR-IDK808025	EUR808025	800	800	250	287.82
EUR-IDK808030	EUR808030	800	800	300	287.82
EUR-IDK1006030	EUR1006030	1000	600	300	299.11
EUR-IDK1008030	EUR1008030	1000	800	300	344.26

Terminal Boxes

Mild steel powder coated RAL 7032. Fixed lid. Rated IP66.

Please enquire for mounting plates, terminal rails.



TL-402012

Part No.	Width	Height	Depth	Price \$
TL-15158	150	150	80	123.20
TL-20158	200	150	80	130.48
TL-25158	250	150	80	138.72
TL-30158	300	150	80	147.02
TL-35158	350	150	80	154.30
TL-40158	400	150	80	163.66
TL-50158	500	150	80	181.95
TL-30208	300	200	80	153.28
TL-40208	400	200	80	172.92
TL-151512	150	150	120	134.99
TL-201512	200	150	120	146.06
TL-301512	300	150	120	165.13
TL-202012	200	200	120	158.36
TL-302012	300	200	120	177.15
TL-402012	400	200	120	200.97
TL-502012	500	200	120	223.37
TL-602012	600	200	120	243.18
TL-702012	700	200	120	276.31
TL-802012	800	200	120	350.64
TL-303012	300	300	120	203.40
TL-403012	400	300	120	233.25
TL-503012	500	300	120	266.55
TL-603012	600	300	120	295.05
TL-703012	700	300	120	286.19
TL-404012	400	400	120	278.96
TL-604012	600	400	120	300.35
TL-804012	800	400	120	412.38

Please enquire for Stainless Steel terminal boxes

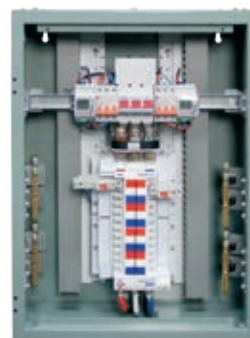
EUREKA DISTRIBUTION BOARD AND ENCLOSURE SYSTEM

Distribution boards IP42 grey and orange.....	32
Distribution boards IP56 grey and orange.....	33
Eureka LITE Economical Distribution Boards	33
Eureka enclosure system overview	34
Accessory module enclosures IP42 and IP56.....	36
C Bus enclosures IP42 and IP56.....	36
Eureka energy management distribution boards overview	37
Metering connection Tags and shrouds.....	38
Segregation format table and barrier kits.....	39
Mounting rails, Cable zones, termination enclosures and Extension collars	40
Plinths, Incoming cable enclosures, Rain hoods and Din rail	41
Accessories and mounting brackets.....	42
Escutcheons	44
Plastic load centres and MCB enclosures	45
Eureka metal load centres	46
Weatherproof plastic load centres	46

Distribution Board & Enclosure System



IP42 & IP56 Distribution Boards



IP42 & IP56 Metering
Distribution Boards



IP42 & IP56 Enclosure System

eureka
www.eurekaelectrical.com.au

Developed and
Manufactured in Australia

Eureka Distribution Boards



The Eureka Distribution Board is available from 18 to 96 poles in IP42 or IP56, in N42 (Grey) or X15 (Orange). With 600mm standard width and a depth of 230mm, accessories can be easily fitted and wired.



The Eureka distribution board range is designed to include the LS range of MCBs. Other manufacturer's MCBs can be fitted, please enquire. MCBs from 1A to 125A and 1 pole RCBO units from 10A to 32A can be fitted to either a 250A or 400A standard or hybrid chassis. For project pricing and drawings for construction approval, we are able to help provide a solution for your distribution board requirements. A comprehensive selectivity and discrimination software package is available to help with circuit breaker selection in the power distribution system. Distribution boards can be supplied fitted and wired to your needs.

Features include -

- 1.6mm steel welded door, 1.6mm cabinet and 1.2mm escutcheon
- From 12 to 96 pole with 250A or 400A non-auto or MCCB main switch as standard
- Encapsulated chassis rating 250A @ 25kA for 0.1sec, 400A @ 30kA for 0.1sec
- IP 42 or IP 56 in Grey (N42) or Orange (X15)
- Easy adaption of multi function power meters & compact CTs
- Plinth kits and rainhoods available
- Complete with schedule holder and circuit identification card
- Hinged escutcheons
- Supplied with 50% spare pole fillers on the escutcheon
- Continuous smoke seal on door
- Stiffeners on all escutcheons
- E&N Bars 250A and 400A, 2 x 8mm main studs with 2 x 35mm tunnel terminals
- Lockable handle with CL001 key (3-point locking in weatherproof versions)
- Earthing Studs on door and escutcheon
- Can be fitted with hybrid or 27mm pitch chassis
- Can be fitted with 250A or 400A chassis
- All escutcheons supplied as gloss white
- Special escutcheons can be made to order

Notes : All distribution boards are supplied with: 3 pole 250A or 400A chassis (18mm pitch), Main switches to suit Amp rating, 250A or 400A earth and neutral bars, 50% pole fillers on the escutcheon, IP42 smoke seal rubber fitted on door, IP56 models with weatherproof return to suit the door seal, hinged escutcheons, schedule holder and circuit designation label.

IP42 Distribution Boards with 250A Non-auto Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB12G	EUR-MDB12OR	12	750	600	230	1,358.00
EUR-MDB18G	EUR-MDB18OR	18	750	600	230	1,403.48
EUR-MDB24G	EUR-MDB24OR	24	750	600	230	1,452.52
EUR-MDB30G	EUR-MDB30OR	30	900	600	230	1,560.98
EUR-MDB36G	EUR-MDB36OR	36	900	600	230	1,606.50
EUR-MDB42G	EUR-MDB42OR	42	900	600	230	1,652.02
EUR-MDB48G	EUR-MDB48OR	48	1050	600	230	1,851.52
EUR-MDB60G	EUR-MDB60OR	60	1050	600	230	1,960.00
EUR-MDB72G	EUR-MDB72OR	72	1200	600	230	2,184.00
EUR-MDB84G	EUR-MDB84OR	84	1500	600	230	2,439.50
EUR-MDB96G	EUR-MDB96OR	96	1500	600	230	2,579.50



EUR-MDB60G

IP42 Distribution Boards with 400A Non-auto Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB24G4NA	EUR-MDB24O4NA	24	1050	600	230	2,634.80
EUR-MDB36G4NA	EUR-MDB36O4NA	36	1050	600	230	2,787.23
EUR-MDB48G4NA	EUR-MDB48O4NA	48	1200	600	230	3,038.00
EUR-MDB60G4NA	EUR-MDB60O4NA	60	1200	600	230	3,238.55
EUR-MDB72G4NA	EUR-MDB72O4NA	72	1500	600	230	3,353.00
EUR-MDB84G4NA	EUR-MDB84O4NA	84	1500	600	230	3,521.00
EUR-MDB96G4NA	EUR-MDB96O4NA	96	1800	600	230	4,079.45



EUR-MDB36G2MC

IP42 Distribution Boards with 250A MCCB Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB24G2MC	EUR-MDB24O2MC	24	1050	600	230	2,538.90
EUR-MDB36G2MC	EUR-MDB36O2MC	36	1050	600	230	2,634.80
EUR-MDB48G2MC	EUR-MDB48O2MC	48	1200	600	230	2,830.80
EUR-MDB60G2MC	EUR-MDB60O2MC	60	1200	600	230	3,036.80
EUR-MDB72G2MC	EUR-MDB72O2MC	72	1500	600	230	3,128.80
EUR-MDB84G2MC	EUR-MDB84O2MC	84	1500	600	230	3,235.05
EUR-MDB96G2MC	EUR-MDB96O2MC	96	1800	600	230	3,784.20

IP42 Distribution Boards with 400A MCCB Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB24G4MC	EUR-MDB24O4MC	24	1050	600	230	2,844.80
EUR-MDB36G4MC	EUR-MDB36O4MC	36	1050	600	230	2,997.23
EUR-MDB48G4MC	EUR-MDB48O4MC	48	1200	600	230	3,248.00
EUR-MDB60G4MC	EUR-MDB60O4MC	60	1200	600	230	3,448.55
EUR-MDB72G4MC	EUR-MDB72O4MC	72	1500	600	230	3,563.00
EUR-MDB84G4MC	EUR-MDB84O4MC	84	1500	600	230	3,731.00
EUR-MDB96G4MC	EUR-MDB96O4MC	96	1800	600	230	4,289.45

IP56 Distribution Boards with 250A Non-auto Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB12G/WP	EUR-MDB12OR/WP	12	750	600	230	2,026.50
EUR-MDB18G/WP	EUR-MDB18OR/WP	18	750	600	230	2,072.02
EUR-MDB24G/WP	EUR-MDB24OR/WP	24	750	600	230	2,121.00
EUR-MDB30G/WP	EUR-MDB30OR/WP	30	900	600	230	2,250.52
EUR-MDB36G/WP	EUR-MDB36OR/WP	36	900	600	230	2,295.98
EUR-MDB42G/WP	EUR-MDB42OR/WP	42	900	600	230	2,341.50
EUR-MDB48G/WP	EUR-MDB48OR/WP	48	1050	600	230	2,513.02
EUR-MDB60G/WP	EUR-MDB60OR/WP	60	1050	600	230	2,621.50
EUR-MDB72G/WP	EUR-MDB72OR/WP	72	1200	600	230	2,849.00
EUR-MDB84G/WP	EUR-MDB84OR/WP	84	1500	600	230	3,178.00
EUR-MDB96G/WP	EUR-MDB96OR/WP	96	1500	600	230	3,318.00



EUR-MDB36G4MC



IP56 Distribution Boards with 400A Non-auto Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB24G4NAWP	EUR-MDB24O4NAWP	24	1050	600	230	3,335.85
EUR-MDB36G4NAWP	EUR-MDB36O4NAWP	36	1050	600	230	3,488.28
EUR-MDB48G4NAWP	EUR-MDB48O4NAWP	48	1200	600	230	3,693.90
EUR-MDB60G4NAWP	EUR-MDB60O4NAWP	60	1200	600	230	3,894.45
EUR-MDB72G4NAWP	EUR-MDB72O4NAWP	72	1500	600	230	4,129.30
EUR-MDB84G4NAWP	EUR-MDB84O4NAWP	84	1500	600	230	4,297.30
EUR-MDB96G4NAWP	EUR-MDB96O4NAWP	96	1800	600	230	4,532.35

IP56 Distribution Boards with 250A MCCB Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB24G2MCWP	EUR-MDB24O2MCWP	24	1050	600	230	3,239.92
EUR-MDB36G2MCWP	EUR-MDB36O2MCWP	36	1050	600	230	3,335.85
EUR-MDB48G2MCWP	EUR-MDB48O2MCWP	48	1200	600	230	3,486.70
EUR-MDB60G2MCWP	EUR-MDB60O2MCWP	60	1200	600	230	3,692.65
EUR-MDB72G2MCWP	EUR-MDB72O2MCWP	72	1500	600	230	3,905.15
EUR-MDB84G2MCWP	EUR-MDB84O2MCWP	84	1500	600	230	4,011.35
EUR-MDB96G2MCWP	EUR-MDB96O2MCWP	96	1800	600	230	4,237.10

IP56 Distribution Boards with 400A MCCB Main Switch

Part no. N42 Grey	Part no. X15 Orange	No. of Poles	Height	Width	Depth	Price \$
EUR-MDB24G4MCWP	EUR-MDB24O4MCWP	24	1050	600	230	3,545.85
EUR-MDB36G4MCWP	EUR-MDB36O4MCWP	36	1050	600	230	3,698.28
EUR-MDB48G4MCWP	EUR-MDB48O4MCWP	48	1200	600	230	3,903.90
EUR-MDB60G4MCWP	EUR-MDB60O4MCWP	60	1200	600	230	4,104.45
EUR-MDB72G4MCWP	EUR-MDB72O4MCWP	72	1500	600	230	4,339.30
EUR-MDB84G4MCWP	EUR-MDB84O4MCWP	84	1500	600	230	4,507.30
EUR-MDB96G4MCWP	EUR-MDB96O4MCWP	96	1800	600	230	4,742.35



EUR-MDB60OR/WP



EUR-LDB48G

Eureka LITE Economy IP40 Distribution Boards

The Eureka Lite range of metal distribution boards have been developed to cater for light Industrial and commercial applications. The board will accept the LS range of circuit breakers.

Features include -

250A encapsulated EMS 18mm pitch chassis 25kA @ 0.1 sec

Compact 250A / 415VAC top mounted main switch

14 pole of din space next to the main switch

250A Earth and Neutral bars

1.2mm sheet steel base, door and escutcheon

Cable entry knockouts at top and bottom of enclosure

Lockable door

Door can be made left or right hand hinged in the field

Circuit identification labels & legend holder supplied

NEW

The Circutor Energy Management System from page 37 can be fitted to Eureka Lite distribution boards

Part no.	No. of Poles	Height	Width	Depth	Price \$
EUR-LDB24G	24	950	450	150	1,008.00
EUR-LDB36G	36	950	450	150	1,071.00
EUR-LDB48G	48	1110	450	150	1,218.00
EUR-LDB60G	60	1110	450	150	1,281.00



EUR-LDB36G



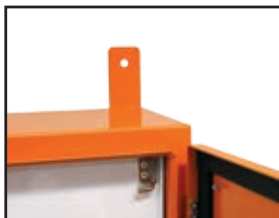
EUR-LDB36G

Eureka Enclosure System

The Eureka Enclosure System is a versatile range developed with the installer / workshop fitter in mind. Either as a power distribution system or mechanical services form 2 switchboard, the Eureka range caters to many needs.

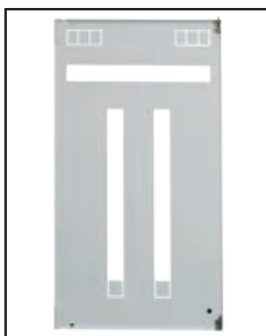
IP56 Rated Enclosures

All IP56 distribution boards & accessory enclosures are complete with external mounting brackets, rain gutters & weatherproof seals.



Escutcheons

Either in slotted, blank or C-bus style. Available in gloss white.



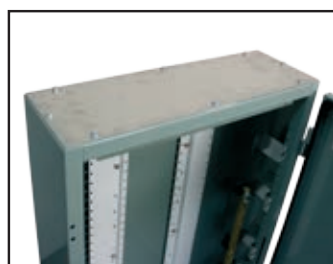
MCCB Chassis

800A MCCB single sided chassis can be easily added with the aid of mounting brackets to bring the chassis to the correct height of the escutcheon.



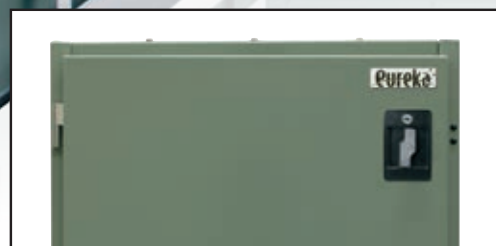
Accessory enclosures

C-bus or air-conditioning controllers or an option of blank enclosure with gear pans fitted from 300mm to 2100mm.



Top & bottom gland plates

Sealed for easy cable entry & exit 1 x 3mm aluminium, 1 x 1.6mm mild steel as standard.



Colour & IP ratings

Available in X15 (Orange) or N42 (Grey) and as IP42 or IP56



Enclosures

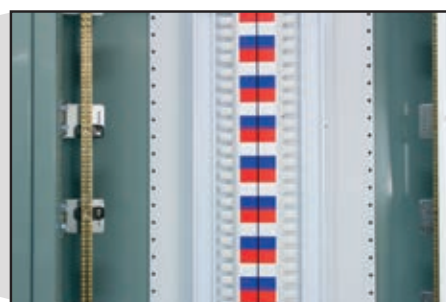
From 300mm to 2100mm H, 600mm W & 230mm D (with option of 300mm depth using extension collars) IP42 only.

Cable Duct Mounting

Studs on rear of doors help with mounting of cable duct to keep wiring to components mounted on the door tidy

Main switch

250A or 400A Non-auto or MCCB with up to 20 poles of DIN rail for mounting accessories next to the main switch



Encapsulated chassis 250A (25ka / 0.1 sec) or 400A (30ka / 0.1 sec)

250A or 400A encapsulated chassis to 96 pole, or hybrid versions to 72 pole. Earth and Neutral bar assemblies 250A or 400A.



Gear pans

Pre-drilled with returns and in sizes from 150mm to 1950mm for mounting accessories, DIN rails, slotted duct or control devices, etc.

Accessories include:

- Rain hoods
- Extension collars
- Galvanised & steel plinth kits
- Flush mount kits
- Cable zones
- Cable termination enclosures
- Incoming cable / ventilation enclosures

Segregation kits

Available to help with form 2 applications or where a physical barrier is required within the enclosure. Complete with cable entry knockouts



Eureka



AB03-G



AB07-G



AB07-WP-G



CBB15-08-OR



CBB03-01-G

IP42 Accessory Module Enclosure

For mounting control components and building an enclosure system to suit a particular need. Complete with Mounting Rail studs fitted. Mounting rails need to be ordered separately. Refer p.40.

Part no. N42 grey	Part no. X15 orange	Height	Width	Depth	Price \$
AB03-G	AB03-OR	300	600	230	583.10
AB04-G	AB04-OR	450	600	230	632.80
AB06-G	AB06-OR	600	600	230	690.90
AB07-G	AB07-OR	750	600	230	702.80
AB09-G	AB09-OR	900	600	230	750.05
AB10-G	AB10-OR	1050	600	230	872.55
AB12-G	AB12-OR	1200	600	230	962.50
AB15-G	AB15-OR	1500	600	230	1,084.65
AB18-G	AB18-OR	1800	600	230	1,360.10
AB21-G	AB21-OR	2100	600	230	1,064.75

IP56 Accessory Module Enclosure

For mounting control components and building an enclosure system to suit a particular need. Complete with Mounting Rail studs fitted. Mounting rails need to be ordered separately. Refer p.40.

Part no. N42 grey	Part no. X15 orange	Height	Width	Depth	Price \$
AB03-WP-G	AB03-WP-OR	300	600	230	1,222.90
AB04-WP-G	AB04-WP-OR	450	600	230	1,277.15
AB06-WP-G	AB06-WP-OR	600	600	230	1,339.80
AB07-WP-G	AB07-WP-OR	750	600	230	1,350.65
AB09-WP-G	AB09-WP-OR	900	600	230	1,418.55
AB10-WP-G	AB10-WP-OR	1050	600	230	1,514.45
AB12-WP-G	AB12-WP-OR	1200	600	230	1,626.80
AB15-WP-G	AB15-WP-OR	1500	600	230	1,819.30
AB18-WP-G	AB18-WP-OR	1800	600	230	2,053.45
AB21-WP-G	AB21-WP-OR	2100	600	230	2,296.00

Note : All Accessory Module Enclosures are not supplied with escutcheons. Please refer to P.44 for details.

IP42 C-Bus Control Components DIN Enclosure

For mounting lighting control accessories and din mount products. Complete with DIN rail, mounting brackets and escutcheon.

Part no. N42 grey	Part no. X15 orange	Din rail Quantity.	Height	Width	Depth	Price \$
CBB03-01-G	CBB03-01-OR	1 x 26 poles	300	600	230	859.25
CBB04-02-G	CBB04-02-OR	2 x 26 poles	450	600	230	921.55
CBB06-03-G	CBB06-03-OR	3 x 26 poles	600	600	230	992.60
CBB09-04-G	CBB09-04-OR	4 x 26 poles	900	600	230	1,187.90
CBB10-05-G	CBB10-05-OR	5 x 26 poles	1050	600	230	1,372.00
CBB12-06-G	CBB12-06-OR	6 x 26 poles	1200	600	230	1,548.75
CBB15-08-G	CBB15-08-OR	8 x 26 poles	1500	600	230	1,799.70
CBB18-09-G	CBB18-09-OR	9 x 26 poles	1800	600	230	2,136.05
CBB21-11-G	CBB21-11-OR	11 x 26 poles	2100	600	230	2,396.65

IP56 C-Bus Control Components DIN Enclosure

For mounting lighting control accessories and din mount products. Complete with DIN rail, mounting brackets and escutcheon.

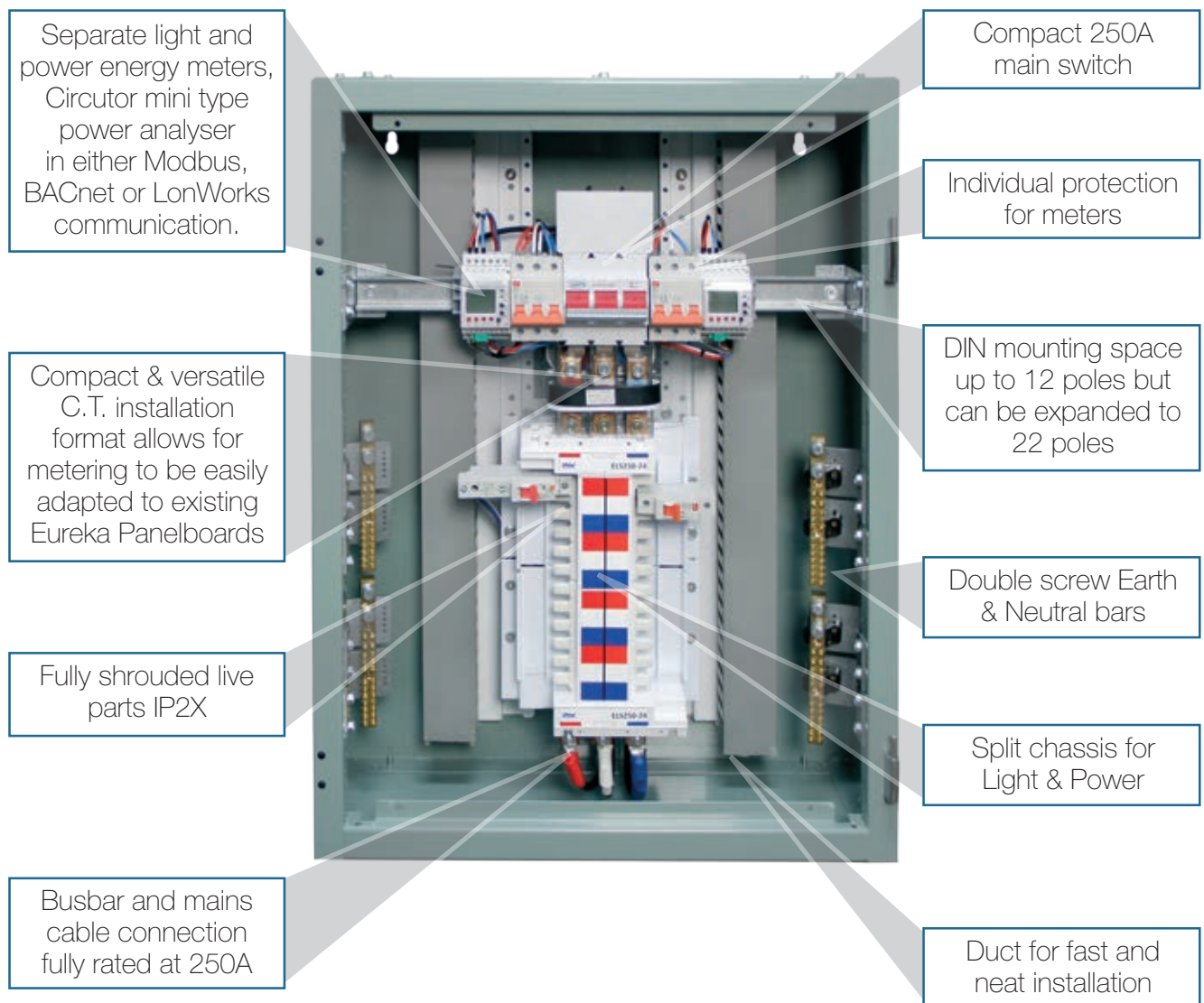
Part no. N42 grey	Part no. X15 orange	Din rail Quantity	Height	Width	Depth	Price \$
CBB03-01-WP-G	CBB03-01-WP-OR	1 x 26 poles	300	600	230	1,320.90
CBB04-02-WP-G	CBB04-02-WP-OR	2 x 26 poles	450	600	230	1,416.70
CBB06-03-WP-G	CBB06-03-WP-OR	3 x 26 poles	600	600	230	1,527.05
CBB09-04-WP-G	CBB09-04-WP-OR	4 x 26 poles	900	600	230	1,856.40
CBB10-05-WP-G	CBB10-05-WP-OR	5 x 26 poles	1050	600	230	2,013.90
CBB12-06-WP-G	CBB12-06-WP-OR	6 x 26 poles	1200	600	230	2,289.00
CBB15-08-WP-G	CBB15-08-WP-OR	8 x 26 poles	1500	600	230	2,534.35
CBB18-09-WP-G	CBB18-09-WP-OR	9 x 26 poles	1800	600	230	2,829.75
CBB21-11-WP-G	CBB21-11-WP-OR	11 x 26 poles	2100	600	230	3,084.90

Eureka Energy Metering Distribution Boards

Eureka

CIRCUTOR
Technology for energy efficiency

- > Available in N42 (grey) and X15 (orange)
- > Suits LS MCB & RCBOs
- > Hinged escutcheon
- > IP42 or IP56
- > Compact and easy to install CT / Metering arrangement which allows the enclosure size required to be at least 25% smaller than similar products on the market.
- > Can accommodate multiple meters to suit multiple chassis arrangements





Refer to p.213 for the Circutor range of Multi Function Power Meters
& MC Compact Current Transformers

CT Support Bracket

PVC mounting support bracket for mounting the MC3 current transformer into the base of the Eureka Enclosure

Bracket mounts 250, 125 and 63A units

Part no.	Description	Price \$
DB-CTSUPP1	PVC support for mounting 250A circutor compact CT separately	38.00
DB-CTSUPP2	PVC support for mounting 125A circutor compact CT separately	37.20
DB-CTSUPP3	PVC support for mounting 63A circutor compact CT separately	38.00



DB-CTSUPP2
with M73122 fitted



Metering Connection Tags and Shrouds / Mounting Kits

The Eureka range of Distribution boards have been adapted to fit a unique metering system which is easily fitted to existing or new Eureka distribution boards. The system can also be fitted to stand alone EMS style or flat pan MCB chassis with the simple addition of numerous copper tags and shrouds. This mounting system suits the Circutor CVM mini MFM and MC3 compact 250A CT.

Part no.	Description	Price \$
DB-METTAGS1	Copper Tags to suit from EUR-3-250 to EMS MCB chassis (set of 3)	64.50
DB-METTAGS2	Copper tags to suit EUR-3-250 to flat pan single and multiple split chassis (set of 3)	158.40
DB-MET SHROUD1	Top Shroud to suit EUR-3-250 to EMS MCB chassis	60.00
DB-MET SHROUD2	Bottom Shroud to suit EUR-3-250 to flat pan single and multiple split chassis	25.00
DB-MET SUPPORT1	Bakelite support to suit DB-METTAGS2	83.50
DB-MET SUPPORT2	Support to suit DB-MET SUPPORT 1	33.00
GKU2W16-CT	CT disconnection terminal (set of 2)	21.00

The system is also available as a kit which includes all screws / washers etc for adapting the kit onto either the EMS MCB chassis or flat pan single and multiple chassis arrangement.



GKU2W16-CT

Single Chassis Metering Mounting Kit (suits Eureka 250A EMS chassis)

Part no.	Description	Price \$
DB-MET KIT1	CT mounting kit to suit EMS chassis metering	292.00

Comprises -

DB-MET SHROUD1

DB-METTAGS1

Includes all fixing screws and bolts / washers



DB-MET KIT1

Multiple Chassis Metering Mounting Kit (suits Eureka 250A multiple chassis arrangement)

Part no.	Description	Price \$
DB-MET KIT 2	CT mounting kit to suit flat pan single and multiple split chassis	630.15

Comprises -

DB-MET SHROUD1

DB-METTAGS1

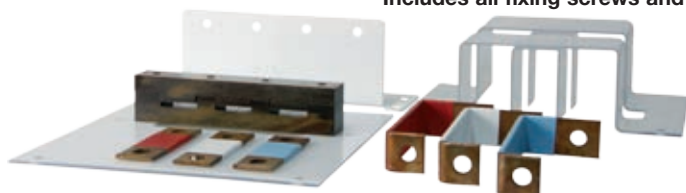
DB-MET SHROUD2

DB-METTAGS2

DB-MET SUPPORT1

DB-MET SUPPORT2

Includes all fixing screws and bolts / washers



DB-MET KIT2



Segregation Format Table

This table depicts the different format options that can be created when using the removable segregation partition inside an AB accessory module enclosure.

This option can be used in both the IP42 and IP56 accessory module enclosures.

Enclosure part no.	Enclosure height mm	Format options	
		Top section	Bottom section
AB10-...	1050	750	300
		300	750
AB12-...	1200	900	300
		750	450
		450	750
		300	900
AB15-...	1500	900	600
		750	750 (not IP56)
		600	900
AB18-...	1800	1200	600
		1050	750
		900	900 (not IP56)
		750	1050
		600	1200
AB21-...	2100	1500	600
		1200	900
		1050	1050 (not IP56)
		900	1200
		600	1500

Segregation Barrier Kits

When used in conjunction with the segregation format table above, a segregation barrier can be formed inside an AB accessory enclosure. Compartments with separate escutcheons can be formed in both IP42 and IP56 AB accessory enclosures. Used when a form 2 physical barrier is required inside a AB accessory enclosure.

Segregation Bottom Piece

Part no.	Description	Price \$
DB-RMUL6S-W	Gloss white	66.90

Escutcheon Segregation Top Piece

Used when mounting separate escutcheons inside an AB accessory enclosure. Gloss white.

When used in an IP42 AB accessory enclosure

Gloss White	Price \$
DB-RMUL6-W	36.05

When used in an IP56 AB accessory enclosure

Gloss White	Price \$
DB-RMUL6-WP-W	36.05



AB18-G SEGREGATED INTO:
TOP SECTION 1050
BOTTOM SECTION 750



DB-RMUL6S-W



DB-RMUL6-W



EUMDBRAIL450

AB Accessory Enclosure Mounting Rails

Used when mounting segregation barriers, gear pans, chassis, mounting brackets & top hats within the AB Accessory Enclosure. (2 required per enclosure).

Part no.	Description	Length	Price \$
EUMDBRAIL300	Enclosure mounting rail gloss white to suit AB03	300	36.15
EUMDBRAIL450	Enclosure mounting rail gloss white to suit AB04	450	41.35
EUMDBRAIL600	Enclosure mounting rail gloss white to suit AB06	600	49.15
EUMDBRAIL750	Enclosure mounting rail gloss white to suit AB07	750	56.90
EUMDBRAIL900	Enclosure mounting rail gloss white to suit AB09	900	64.70
EUMDBRAIL1050	Enclosure mounting rail gloss white to suit AB10	1050	72.45
EUMDBRAIL1200	Enclosure mounting rail gloss white to suit AB12	1200	80.20
EUMDBRAIL1500	Enclosure mounting rail gloss white to suit AB15	1500	88.20
EUMDBRAIL1800	Enclosure mounting rail gloss white to suit AB18	1800	112.15
EUMDBRAIL2100	Enclosure mounting rail gloss white to suit AB21	2100	125.80

Cable Zones

Helps with running cables to the top / bottom of the Eureka enclosure depending on the cable entry required. Minimises cable congestion within the enclosure. Mounts directly next to the Eureka enclosure system enclosure and helps with connection of larger cables.

150mm wide and is available to suit enclosures from 1200mm to 2100mm high

In N42 grey or X15 orange. With lift off door

Comes complete with fitted cable tray in rear of enclosure

IP42 (Please enquire for IP56 units)

Part no. N42 grey	Part no. X15 orange	Height	Width	Depth	Price \$
CZ1200G	CZ1200OR	1200	150	230	1,130.00
CZ1500G	CZ1500OR	1500	150	230	1,246.00
CZ1800G	CZ1800OR	1800	150	230	1,376.00
CZ2100G	CZ2100OR	2100	150	230	1,467.00

Cable Termination Enclosures

Lifts the enclosure up to help with terminating large cables / conduits into the Eureka enclosure in 600, 1200 and 1800 wide (1, 2 and 3 tier). Mounts directly above or below the Eureka enclosure.

Part no. N42 grey	Part no. X15 orange	Height	Width	Depth	Tiers	Price \$
EUR-MDB-CMG-1T-G	EUR-MDB-CMG-1T-OR	300	600	200	1	766.50
EUR-MDB-CMG-2T-G	EUR-MDB-CMG-2T-OR	300	1200	200	2	1,077.30
EUR-MDB-CMG-3T-G	EUR-MDB-CMG-3T-OR	300	1800	200	3	1,329.30

Extension collar (can only be used on IP42 enclosures)

Allows for an extra 100mm to be added to the depth of the distribution board to allow for the fitting of larger components (large contactors, Moulded case circuit breakers, lighting control components etc.)

Part no. N42 grey	Part no. X15 orange	Height	Width	Depth	Price \$
DB-EXT03-G	DB-EXT03-OR	300	600	100	150.85
DB-EXT04-G	DB-EXT04-OR	450	600	100	164.85
DB-EXT06-G	DB-EXT06-OR	600	600	100	174.30
DB-EXT07-G	DB-EXT07-OR	750	600	100	184.10
DB-EXT09-G	DB-EXT09-OR	900	600	100	196.00
DB-EXT10-G	DB-EXT10-OR	1050	600	100	207.55
DB-EXT12-G	DB-EXT12-OR	1200	600	100	219.45
DB-EXT15-G	DB-EXT15-OR	1500	600	100	240.80
DB-EXT18-G	DB-EXT18-OR	1800	600	100	280.35
DB-EXT21-G	DB-EXT21-OR	2100	600	100	310.80



DB-EXT07-G
FITTED TO AB ACCESSORY
ENCLOSURE

Plinth

Raises the enclosure above incoming cables and also enables a mechanical protection. Allows for an enclosure to be free standing. Complete with gasket.

Part no.	Height	Width	Depth	Colour	Price \$
DB-PLINTH-B	50	600	200	Gloss black	488.10

Galvanised Channel Plinth

Galvanised channel plinth for mounting underneath the Eureka enclosure system. Allows for the enclosure to be free standing with lifting holes

Part no.	Height	Width	Depth	Price \$
DB-PLINTH-GAL	100	600	200	542.40

Incoming Cable / Ventilation Enclosure

Helps to organise cables entering the enclosure. Also available with ventilation Louvre to help with removing heat from the enclosure if required

Part no. N42 grey	Part no. X15 orange	Height	Width	Depth	Price \$
		200	600	200	
DB-INCABENC-G	DB-INCABENC-OR	Incoming cable enclosure. Gland plate or ventilation Louvre also need to be selected			635.00
EUMDBGP-G	EUMDBGP-OR	Gland plate to suit			32.00
EUMDBVL-G	EUMDBVL-OR	Ventilation Louvre to suit			93.20

Locking kit to suit L/H Doors

When using the enclosure as left handed door hinging, this locking tongue needs to be fitted (IP42 only)

Part no.	Description	Price \$
DB-LHTONGUE	Left handed tongue to suit MDB right-hand lock	27.00

Rain Hood

Helps to keep weather from deteriorating the switchboard when mounted outdoors. Used with an IP56 enclosure only. Complete with gasket.

Part no. N42 storm grey	Part no. X15 orange	Price \$
DB-RH60-G	DB-RH60-OR	203.70

Plinth / Rain Hood Gasket

Used when mounting either a plinth or rain hood to an enclosure. Also ideal for creating an IP rated barrier when mounting 2 enclosures together.

Part no.	Description	Price \$
DB-PLINTH GASKET	Plinth gasket to suit DB-PLINTH-B and DB-RH60-...	31.50

DIN Rails

Part no.	Description	Price \$
EUMDBDINRAIL	Din rail full length to suit eureka enclosure. Used in conjunction with DB-MS-BKT-SP	16.40
EUMCCBDINRAIL	Din rail to suit MCCB main switch 15mm. Used in conjunction with DB-MS-BKT-SP	15.75
EUMETDINRAIL	Din mount bracket for mounting to the top of Eureka distribution board. Used in conjunction with DB-MS-BKT-SP	28.80
RS-35D8	2 metre steel slotted din rail 8mm for mounting items to gear pans	18.00
TS35D8	2 metre aluminium solid din rail 8mm for mounting items to gear pans	17.50

Eureka



DB-PLINTH-B



DB-PLINTH-GAL



DB-INCABENC-OR WITH EUMDBGP-OR



DB-INCABENC-OR WITH EUMDBVL-OR



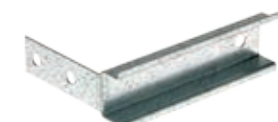
DB-RH60-G



DB-PLINTH GASKET



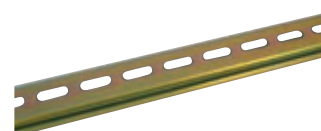
EUMDBDINRAIL



EUMCCBDINRAIL



EUMETDINRAIL

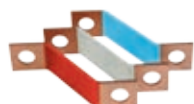


RS-35D8

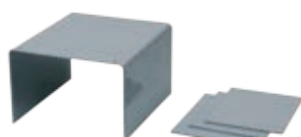
Eureka*



DB-MS-BKT-SP



DB-TAG400



DB-MS-250SHROUD



DB-MS-400SHROUD



DB-GEARPAN1



DB-GEARPAN2



DB-FMK07-G

Main Switch DIN Bracket

Supports din rail mounted components next to the main switch and when DIN mounted products need to be accessed through the escutcheon.

2 required per set. Refer page 205 for EUR-3-250 main switches.

Part no.	Colour	Price \$
DB-MS-BKT-SP	Galvanised steel	10.85

Connection Tags

Used between 250 and 400A MCCB and MCB chassis in the enclosure

Part no.	Description	Price \$
DB-TAG250	Connection tag set for 250A chassis to 250A MCCB main switch set of 3	31.00
DB-TAG400	Connection tag set for 400A chassis to 400A MCCB N/A main switch set of 3	34.85

Main Switch Connection Shrouds

Shrouds to cover connection tags when mounting between MCB chassis and MCCB main switch

Part no.	Description	Price \$
DB-MS-250SHROUD	250A MCCB main switch shroud	51.10
DB-MS-400SHROUD	400A MCCB main switch shroud	57.25

Gear Pans

Manufactured from 2mm steel, gloss white, pre-drilled and rolled edges for strength.

Part no.	Colour	Width	Gear pan height	Suits enclosure height	Price \$
DB-GEARPAN1	gloss white	534	134	300	25.55
DB-GEARPAN2	gloss white	534	296	450	42.75
DB-GEARPAN3	gloss white	534	446	600	77.55
DB-GEARPAN4	gloss white	534	596	750	90.50
DB-GEARPAN5	gloss white	534	746	900	104.30
DB-GEARPAN6	gloss white	534	896	1050	120.90
DB-GEARPAN7	gloss white	534	1046	1200	136.35
DB-GEARPAN8	gloss white	534	1346	1500	167.15
DB-GEARPAN9	gloss white	534	1646	1800	197.55
DB-GEARPAN10	gloss white	534	1946	2100	244.00

Flush Mounting Kits

Allows for the flush mounting of the distribution board into a flat surface

Part no. N42 storm grey	Part no. X15 orange	Height	Width	Price \$
DB-FMK03-G	DB-FMK03-OR	300	600	125.65
DB-FMK04-G	DB-FMK04-OR	450	600	133.00
DB-FMK06-G	DB-FMK06-OR	600	600	140.35
DB-FMK07-G	DB-FMK07-OR	750	600	147.70
DB-FMK09-G	DB-FMK09-OR	900	600	159.25
DB-FMK10-G	DB-FMK10-OR	1050	600	170.80
DB-FMK12-G	DB-FMK12-OR	1200	600	191.80
DB-FMK15-G	DB-FMK15-OR	1500	600	239.40
DB-FMK18-G	DB-FMK18-OR	1800	600	281.75
DB-FMK21-G	DB-FMK21-OR	2100	600	296.45

Main Switch Extension Bracket

For mounting the main switch (EUR-3-250) away from the chassis so metering links can be fitted.

Used when mounting the Chassis and main switch fitted into a standard enclosure

Part no.	Description	Price \$
DB-MSEMSEXPAN	Metering main switch mounting bracket gloss white	34.00

MCCB Main Switch Mounting Bracket

Used when mounting the TS250 MCCB as a main switch directly to the Eureka EMS MCB chassis

Part no.	Description	Price \$
DB-THMCCB250EMS	TS250 MCCB mounting bracket for connection to Eureka EMS chassis gloss white	52.25

Earth and Neutral Bracket

Refer page 82 for Earth & Neutral Bars

Part no.	Description	Price \$
DB-ENLBKT	Earth and Neutral bracket (4 required per enclosure)	20.30
DB-ENSCREW2	Screw for mounting 250A Earth & Neutral bar/foot to Earth & Neutral bracket	0.06
DB-ENSCREW4	Screw for mounting 400A Earth & Neutral bar/foot to Earth & Neutral bracket	0.13

EMS MCB Chassis Mounting Brackets

Lifts the Eureka EMS MCB chassis to the correct height to meet the escutcheon, 2 required per chassis. Refer page 147 for EMS style chassis.

Part no.	Description	Price \$
DB-CB-EUR	Chassis mounting bracket to suit 250A EMS chassis gloss white	16.80

Flat Pan MCB Chassis Mounting Brackets

Lifts the Eureka standard flat pan MCB 250 and 400A chassis to the correct height to meet the escutcheon. 2 required per chassis. Refer page 148 for flat pan style chassis.

Part no.	Description	Price \$
DB-CB400EUR	Chassis mounting bracket to suit 250 and 400A flat pan chassis gloss white	28.75

Split Chassis Mounting Brackets

Mounting bracket when using 2 chassis in a split chassis mounting arrangement.

Part no.	Description	Price \$
DB-CB-EUR-SP	Split chassis mounting bracket	30.50

MCCB Chassis Mounting Brackets

Lifts the Eureka MCCB single-sided chassis to the correct height to meet the escutcheon
Enables the MCCB chassis to be mounted to either R/H or L/H side of the enclosure to enable better / easier cable connection. 2 required per enclosure. Refer page 163 for MCCB chassis.

Part no.	Description	Price \$
DB-MCCB-EUR	Chassis mounting bracket to suit MCCB chassis gloss white	34.15

Unistrut Bracket

Ideal for locating the MCCB chassis right or left hand side within the enclosure

Part no.	Description	Price \$
P2000T-GB-0.54	540 x 41 x 41 Unistrut	25.00

Top Hats

Used for mounting 250A and 400A MCCB / Non-auto main switches.

Part no.	Description	Price \$
DB-TH-MCCB-250	Top hat for mounting 250A MCCB	67.00
DB-TH-MCCB-400	Top hat for mounting 400A MCCB , Non-auto main switch	74.15

Spare Gland Plates

Bolts directly to the bottom / top of the Eureka Distribution board and enclosure

Part no.	Description	Price \$
EUMDBGP3AL	3mm Aluminium gland plate	43.90
EUMDBGP6AL	6mm Aluminium gland plate	68.00
EUMDBGP-G	1.6mm Mild steel gland plate grey	32.00
EUMDBGP-OR	1.6mm Mild steel gland plate orange	32.00

Extra Enclosure Accessories

Part no.	Description	Price \$
EUR A4 SCHCARHO	Schedule holder	41.20
EUR A4 SCHCARD	Schedule holder card	4.20
EUR A4 SCHCOVER	Schedule holder card plastic cover	2.10
DB-ESC LAB1-48	Escutcheon pole sticker 1-48	5.50
DB-ESC LAB49-96	Escutcheon pole sticker 49-96	5.50
DB-ESC-Z-BRKT	Escutcheon support Z angle bracket	7.55
DB-HP	Hinge Plugs	0.40
DB-LS-BKT	Load Shed Bracket for mounting MC225A contactor	61.10
DB-SCREW	Eureka DB fixing screws (bag of 50)	0.35

Eureka



DB-ENLBKT



DB-CB-EUR
(Does not include chassis)



DB-CB400EUR
(Does not include chassis)



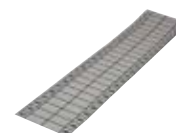
DB-TH-MCCB-250
(Circuit breaker not included)



EUMDBGP3AL



EUMDBGP-OR



DB-ESC LAB1-48



DB-Z-BRKT



DB-LS-BKT



DB-SCREW



All Escutcheons come with hinges, earthing studs and stiffeners

Please enquire for purpose-cut escutcheons to suit your particular need.

Escutcheon to suit Distribution Board

Part no.	Colour	18mm MCB Pole Capacity	Height	Price \$
DB-ESC24	gloss white	24	750	165.60
DB-ESC42	gloss white	42	900	203.70
DB-ESC60	gloss white	60	1050	222.00
DB-ESC72	gloss white	72	1200	222.00
DB-ESC96	gloss white	96	1500	258.60



DB-ESC60



DB-ESC15



DB-ESC07-B



DB-ESC60-MCCB

C-Bus Escutcheon to suit AB Accessory Enclosures

Part no.	Colour	18mm MCB Pole Capacity	Height	Price \$
DB-ESC03	gloss white	1 x 26 poles	300	108.15
DB-ESC04	gloss white	2 x 26 poles	450	120.75
DB-ESC06	gloss white	3 x 26 poles	600	133.35
DB-ESC09	gloss white	4 x 26 poles	900	145.95
DB-ESC10	gloss white	5 x 26 poles	1050	158.55
DB-ESC12	gloss white	6 x 26 poles	1200	165.90
DB-ESC15	gloss white	8 x 26 poles	1500	197.05
DB-ESC18	gloss white	9 x 26 poles	1800	258.30
DB-ESC21	gloss white	11 x 26 poles	2100	270.90

Blank Escutcheon to suit AB Accessory Enclosures

Part no.	Colour	Height	Price \$
DB-ESC03-B	gloss white	300	110.10
DB-ESC04-B	gloss white	450	121.65
DB-ESC06-B	gloss white	600	132.85
DB-ESC07-B	gloss white	750	124.80
DB-ESC09-B	gloss white	900	138.45
DB-ESC10-B	gloss white	1050	151.05
DB-ESC12-B	gloss white	1200	158.40
DB-ESC15-B	gloss white	1500	191.25
DB-ESC18-B	gloss white	1800	250.80
DB-ESC21-B	gloss white	2100	276.30

Escutcheon to suit Distribution Boards with MCCB Main Switch

with provision for MCCB 250A and 400A MCCB / Non-auto main switch

Part no.	color	18mm MCB pole capacity	Suits enclosure Height	Price \$
DB-ESC36-MCCB	gloss white	24 - 36	1050	213.15
DB-ESC60-MCCB	gloss white	48 - 60	1200	222.00
DB-ESC84-MCCB	gloss white	72 - 84	1500	259.15
DB-ESC96-MCCB	gloss white	96	1800	309.95

Plastic Load Centres IP42

8, 12, 18, 24 and 36 pole.

1 Unprotected and 2 protected neutral bars.

Surface mount or flush mount. IP42 protection.

Transparent or white covers. Top, bottom and rear entry.

Surface and flush mount with transparent cover

Part no.	Description	Price \$
EUR8-ST E&N	8 Pole s/mount transparent MCB load centre	47.41
EUR12-ST E&N	12 Pole s/mount transparent MCB load centre	58.86
EUR18-ST E&N	18 Pole s/mount transparent MCB load centre	81.72
EUR24-ST E&N	24 Pole s/mount transparent MCB load centre	104.69
EUR36-ST E&N	36 Pole s/mount transparent MCB load centre	127.55

Surface and flush mount with white cover

Part no.	Description	Price \$
EUR8-SW E&N	8 Pole s/mount white MCB load centre	47.41
EUR12-SW E&N	12 Pole s/mount white MCB load centre	58.86
EUR18-SW E&N	18 Pole s/mount white MCB load centre	81.72
EUR24-SW E&N	24 Pole s/mount white MCB load centre	104.69
EUR36-SW E&N	36 Pole s/mount white MCB load centre	127.55

Flush Mounted Plastic Load Centres IP42 with Metal Backs

The Eureka range of plastic load centers now come complete with a metal base in the flush mounted units. With 100mm overhang above the base to help protect incoming cables, this load centre does away with the need to mount a separate metal backing plate to the flush mount enclosure.

Please enquire for dimensions.

Part no.	Description	Price \$
EUR12FW-M E&N	12 pole f/mount white door, metal base MCB load centre	75.80
EUR18FW-M E&N	18 pole f/mount white door, metal base MCB load centre	98.65
EUR24FW-M E&N	24 pole f/mount white door, metal base MCB load centre	121.06
EUR36FW-M E&N	36 pole f/mount white door, metal base MCB load centre	144.48

Plastic Load Centre Accessories

Part no.	Description	Price \$
EUR-STL	Load centre padlocking kit complete with padlock & 2 keys	20.66

Eureka



EUR12-ST E&N



EUR24-SW E&N



EUR36-SW E&N



EUR18FW-M BASE

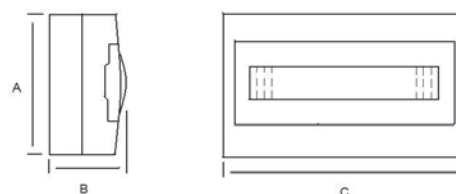


EUR-STL

Surface mounting unit dimensions

	A	B	C
EUR8 ST/W E&N	210	100	184
EUR12 ST/W E&N	210	100	256
EUR18 ST/W E&N	222	100	364
EUR24 ST/W E&N	325	100	270
EUR36 ST/W E&N	473	100	305

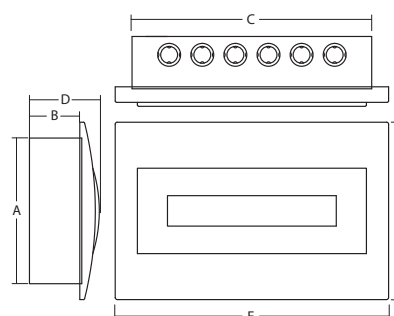
Surface mounting unit



Flush mounting unit dimensions

	A	B	C	D	E	F
EUR12 F/W-M E&N	190	65	253	96	305	247
EUR18 F/W-M E&N	220	75	362	100	413	268
EUR24 F/W-M E&N	310	75	254	100	305	360
EUR36 F/W-M E&N	470	75	290	100	342	502

Flush mounting unit



Eureka



MCB Enclosures

Part no.	Description	Price \$
DA-L1	1 Pole MCB enclosure	8.18
DA-L2	2 Pole MCB enclosure	13.04
DA-L4	4 Pole MCB enclosure	19.64
DA-L6	6 Pole MCB enclosure	29.12
DA-L8	8 Pole MCB enclosure	43.40
DA-L12	12 Pole MCB Enclosure	51.70
DA-L18	18 Pole MCB Enclosure	63.66

Eureka Metal Load Centres

Metal type with screw on escutcheon c/w Earth and Neutral bar arrangements IP42

From 16 to 96 pole

Ideal for C-BUS relays or similar products

Custom made load centres available

Each row holds a maximum of 16 x 1 pole mcb's

For MCB commoning bars refer p.145.

Part no.	Height	Width	Depth	No. of rows	Price \$
CM116	320	440	120	1	165.00
CM232	470	440	120	2	185.00
CM348	630	440	120	3	245.00
CM464	790	440	120	4	270.00
CM580	950	440	120	5	290.00
CM696	1110	440	120	6	315.00

Weatherproof Plastic Load Centres IP55

4, 8, 12, 18 and 24 pole.

1 Unprotected and 2 protected neutral bars

Flame retardant and UV protected

Surface mount, IP55 weatherproof

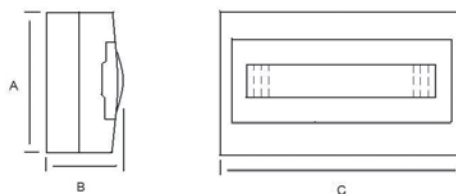
Transparent cover, top, bottom and rear entry

Part no.	Description	Price \$
EUR 4ST-W IP55	4 Pole IP55 Weatherproof s/mount transparent MCB load centre	51.02
EUR 6ST-W IP55	6 Pole IP55 Weatherproof s/mount transparent MCB load centre	54.63
EUR 8ST-W IP55	8 Pole IP55 Weatherproof s/mount transparent MCB load centre	57.06
EUR 12ST-W IP55	12 Pole IP55 Weatherproof s/mount transparent MCB load centre	70.55
EUR 18ST-W IP55	18 Pole IP55 Weatherproof s/mount transparent MCB load centre	97.52
EUR 24ST-W IP55	24 Pole IP55 Weatherproof s/mount transparent MCB load centre	125.52

Weatherproof unit dimensions

	A	B	C
EUR4ST-W IP55	215	100	126
EUR6ST-W IP55	215	100	163
EUR8ST-W IP55	215	100	217
EUR12T-W IP55	215	100	272
EUR18T-W IP55	235	100	380
EUR24T-W IP55	340	100	285

Weatherproof unit



IP66 Load Centre

Part no.	Description	Price \$
GEN3DB13	13 pole IP66 load centre complete with E+N bars	203.18
GEN3DB13-4	13+4 pole IP66 load centre complete with E+N bars	321.69

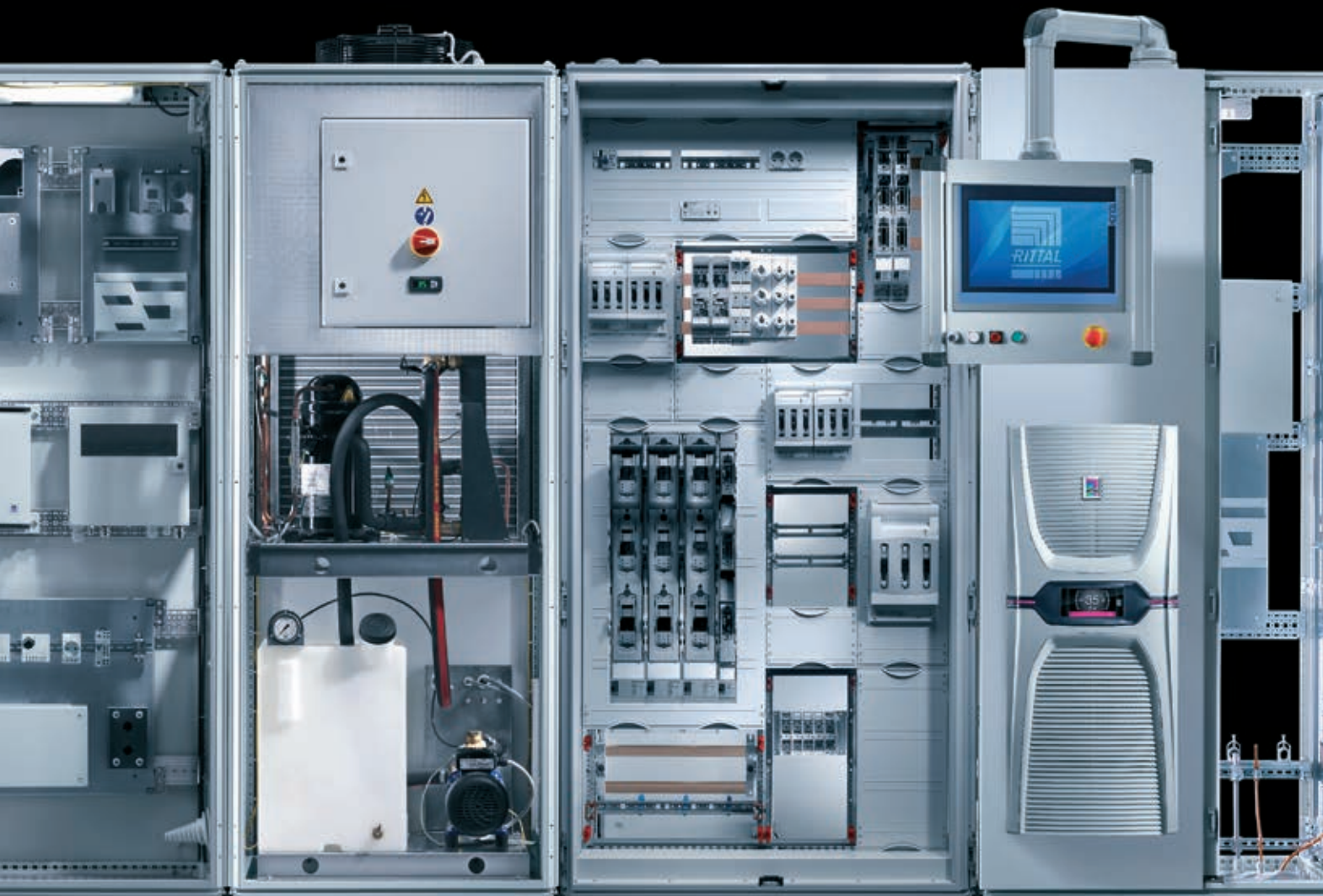
RITTAL ENCLOSURE SYSTEMS

AE metal enclosures - grey IP55 & IP66	50
AE metal enclosures - orange IP55 & IP66	51
AE 304 stainless steel enclosures IP55 & IP66	51
AE 316L with blind nut stainless steel enclosure IP55 & IP66	52
AE 316 stainless steel enclosures rain hoods	53
AE enclosure accessories	53
E Box metal enclosures IP66	55
KS Fibreglass enclosures IP66	56
Hygienic stainless steel 304 enclosures IP66	56
KL Terminal boxes IP66	57
KL Stainless Steel Terminal boxes IP66	58
Hygienic stainless steel 304 terminal boxes IP66	58
Mining 316 stainless steel enclosures IP66 and inner door kits	59
AE sloped roof 316 stainless steel enclosures IP66	60
CM compact metal enclosures - grey IP66 & IP55	60
SE8 free standing enclosures - grey IP55	61
SE8 free standing 304 stainless steel enclosures IP55	61
CM and SE8 plinth kits	62
TS8 Bayable Mild Steel enclosure system IP55	63
Flex block base plinth system	64
TS8 Bayable Stainless Steel enclosure system IP55 and Plinth kits	66
TS8 Bayable enclosures accessories	66
One piece consoles IP55	69
Toptherm fans and filter units	70
SK Heaters and fans	72
SK wall and roof mounted Cooling units	74

Rittal – The System.

Faster – better – everywhere.

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

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Rittal – The System.

Faster – better – everywhere.

What if one name provided a solution for every industrial application...

From mining, manufacturing, petrochemical, energy, water, power distribution, automation and building installation.

Rittal presents The System. Every one of Rittal's 10,000 products fits into the modular, flexible and logical structure to give you maximum efficiency, reduced costs, energy saving, and superior quality in one complete solution. The Rittal range includes product designs for hazardous areas, hygienic and stainless steel applications and climate control to ensure your valuable assets are perfectly protected.

Industrial Enclosure Solutions present you with a complete overview of the Rittal Industrial System, find the right protection for your application.





AE ENCLOSURE SYSTEM



AE1038500



AE ENCLOSURE WITH RAIN HOOD FITTED

The Rittal range of wall mounted enclosures is the worlds largest selling range of enclosures. In powder coated mild steel or stainless steel in 304 or 316 the range is well complemented with a wide range of accessories that help to adapt the enclosures to a given application. Please contact your distributor for details of items available in the enclosure range that are not listed in this publication.

AE Wall Mounted - RAL 7035 Mild Steel Grey IP66 & IP55

All enclosures are IP66 except for double door units which are IP55

The door is complete with an all round foamed - in PU seal

All enclosures allow for the door to be swapped to left hand hinged (except AE1032500 and AE1035500). All AE enclosures are complete with mounting rails on the rear of the door to help with mounting slotted duct / din rail etc.

With cam lock or 3 point locking system. Zinc plated mounting plate included

Please enquire for specific dimensions

Part no.	Height	Width	Depth	Gland Opening	Locks	Price \$
AE1032500	300	200	120	1	1 x cam lock	166.43
AE1035500	300	200	155	1	1 x cam lock	184.80
AE1036500	300	300	155	1	1 x cam lock	195.85
AE1033500	300	300	210	1	1 x cam lock	197.65
AE1034500	400	300	210	1	1 x cam lock	215.65
AE1030500	300	380	155	1	1 x cam lock	219.45
AE1031500	300	380	210	1	1 x cam lock	250.95
AE1380500	380	380	210	1	1 x cam lock	244.60
AE1038500	600	380	210	1	2 x cam lock	319.20
AE1338500	600	380	350	1	2 x cam lock	477.35
AE1045500	500	400	210	1	2 x cam lock	243.45
AE1037500	800	400	300	1	2 x cam lock	546.56
AE1050500	500	500	210	1	2 x cam lock	385.35
AE1350500	500	500	300	1	2 x cam lock	457.35
AE1057500	700	500	250	1	2 x cam lock	495.08
AE1039500	380	600	210	1	1 x cam lock	289.31
AE1339500	380	600	350	1	1 x cam lock	552.30
AE1060500	600	600	210	1	2 x cam lock	410.79
AE1054500	600	600	250	1	2 x cam lock	609.84
AE1360500	600	600	350	1	2 x cam lock	538.45
AE1076500	760	600	210	1	2 x cam lock	499.97
AE1376500	760	600	350	1	2 x cam lock	699.50
AE1058500	800	600	250	1	2 x cam lock	604.07
AE1090500	1000	600	250	1	2 x cam lock	645.78
AE1260500	1200	600	300	1	1 x 3 point locking rod	955.37
AE1077500	760	760	210	1	2 x cam lock	642.65
AE1073500	760	760	300	1	2 x cam lock	791.65
AE1055500	600	800	300	1	2 x cam lock	709.38
AE1180500	1000	800	300	1	2 x cam lock	966.45
AE1280500	1200	800	300	1	1 x 3 point locking rod	1,079.75
#AE1100500	760	1000	210	2	2 x cam lock	1,064.07
#AE1130500	760	1000	300	2	2 x cam lock	1,064.07
#AE1110500	1000	1000	300	2	2 x cam lock	1,348.73
#AE1213500	1200	1000	300	2	1 x 3 point locking rod	1,626.98
#AE1114500	1400	1000	300	2	1 x 3 point locking rod	1,799.99

Denotes double doors.

Rain Hoods (Canopies) to suit AE Mild Steel Enclosures

Used when enclosure requires higher degree of protection from water
Helps to keep water from sitting on top of the enclosure

Part no.	Description	Price \$
AE2501500	Rain hood to suit 380mm W x 210mm D enclosure	182.39
AE2502500	Rain hood to suit 600mm W x 210mm D enclosure	238.04
AE2511500	Rain hood to suit 600mm W x 350mm D enclosure	299.88

AE Wall Mounted - RAL2000 Mild Steel Orange IP66 & IP55

All enclosures are IP66 except for double door units which are IP55

Part no.	Height	Width	Depth	Gland Opening	Locks	Price \$
XAU1033500OR	300	300	210	1	1 x cam lock	375.00
XAU1380500OR	380	380	210	1	1 x cam lock	415.00
XAU1045500OR	500	400	210	1	1 x cam lock	550.00
XAU1050500OR	500	500	210	1	1 x cam lock	580.00
XAU1038500OR	600	380	210	1	1 x cam lock	595.00
XAU1060500OR	600	600	210	1	1 x cam lock	692.00
XAU1057500OR	700	500	250	1	1 x cam lock	795.00
XAU1076500OR	760	600	210	1	1 x cam lock	970.00
XAU1073500OR	760	760	300	1	1 x cam lock	1,260.00
XAU1058500OR	800	600	250	1	1 x cam lock	1,113.20
XAU1090500OR	1000	600	250	1	1 x cam lock	1,262.00
XAU1180210OR	1000	800	210	1	1 x cam lock	1,575.00
XAU1180500OR	1000	800	300	1	1 x cam lock	1,592.00
#XAU1280500OR	1200	800	300	1	1 x 3 point locking	1,885.00

Denotes double doors. Some items in the Rittal RAL2000 range may be indent. Please check before ordering.

AE Wall Mounted Stainless Steel 304 IP66 & IP55

All enclosures are IP66 except for double door units which are IP55

Enclosure made from 304 stainless steel. The door is complete with an all round foamed - in PU seal

All locks die cast zinc. With cam lock or 3 point locking system.

Zinc plated mounting plate included.

Please enquire for specific dimensions

Part no.	Height	Width	Depth	Locks	Price \$
AE1001600	300	200	120	1 x cam lock	577.29
AE1002600	300	200	155	1 x cam lock	570.05
AE1003600	300	300	210	1 x cam lock	751.28
AE1005600	380	300	210	1 x cam lock	722.09
AE1004600	300	380	155	1 x cam lock	666.96
AE1011600	300	380	210	1 x cam lock	760.10
AE1006600	380	380	210	1 x cam lock	770.49
AE1008600	600	380	210	2 x cam lock	1,002.33
AE1015600	500	400	210	2 x cam lock	1,224.30
AE1007600	500	500	210	2 x cam lock	1,050.95
AE1013600	500	500	300	2 x cam lock	1,263.47
AE1009600	380	600	210	1 x cam lock	998.24
AE1010600	600	600	210	2 x cam lock	1,289.51
AE1012600	760	600	210	2 x cam lock	1,515.99
AE1068600	800	600	300	2 x cam lock	1,600.62
AE1014600	760	760	300	2 x cam lock	2,096.85
AE1016600	1000	800	300	2 x cam lock	2,252.67
AE1017600	1200	800	300	1 x 3 point locking rod	2,799.72
#AE1018600	1000	1000	300	1 x 3 point locking rod	3,051.09
#AE1019600	1200	1000	300	1 x 3 point locking rod	3,318.95

Denotes double doors.



NEW



XAU1038500OR



AE1008600



AE1008500

AE Wall Mounted Stainless Steel 316 IP66 & IP55

All enclosures are IP66 except for double door units which are IP55. Enclosure made from 316 stainless steel. The door is complete with an all round foamed - in PU seal. All locks are 316 stainless steel. With cam lock or 3 point locking system. Zinc plated mounting plate included.

Please enquire for specific dimensions

Part no.	Height	Width	Depth	Locks	Price \$
AE1001500	300	200	120	1 x cam lock	786.10
AE1002500	300	200	155	1 x cam lock	600.08
AE1003500	300	300	210	1 x cam lock	934.43
AE1005500	380	300	210	1 x cam lock	760.10
AE1004500	300	380	155	1 x cam lock	702.03
AE1011500	300	380	210	1 x cam lock	1,027.31
AE1006500	380	380	210	1 x cam lock	855.50
AE1008500	600	380	210	2 x cam lock	1,087.15
AE1015500	500	400	210	2 x cam lock	986.01
AE1007500	500	500	210	2 x cam lock	1,071.00
AE1013500	500	500	300	2 x cam lock	1,329.93
AE1009500	380	600	210	1 x cam lock	1,079.84
AE1010500	600	600	210	2 x cam lock	1,366.81
AE1012500	760	600	210	2 x cam lock	1,695.79
AE1068500	800	600	300	2 x cam lock	2,231.55
AE1014500	760	760	300	2 x cam lock	2,207.21
AE1016500	1000	800	300	2 x cam lock	2,371.22
AE1017500	1200	800	300	1 x 3 point locking rod	2,947.14
#AE1018500	1000	1000	300	1 x 3 point locking rod	3,411.74
#AE1019500	1200	1000	300	1 x 3 point locking rod	4,013.31

Denotes double doors.

AE Wall mounted Stainless steel 316L IP66 & IP55 with Blind Nut Mounting Feature



All enclosures are IP66 except for double door units which are IP55. Enclosures made from 316L Stainless steel. The door is complete with an all round foamed - in PU seal.

All locks are die cast Zinc. With cam lock or 3 point locking system.

All AE stainless steel 316L enclosures now come with blind nut mounting feature. This helps to mount the enclosure to a surface without the need of drilling holes in the enclosure for fitting the wall mounting brackets. All single door enclosures are IP66, and all double door enclosures are IP55. Zinc plated mounting plate included.

Please enquire for specific dimensions

Part no.	Height	Width	Depth	Locks	Price \$
XAU1001500	300	200	120	1 x cam lock	769.10
XAU1002500	300	200	155	1 x cam lock	600.08
XAU1003500	300	300	210	1 x cam lock	934.43
XAU1004500	300	380	155	1 x cam lock	702.03
XAU1005500	380	300	210	1 x cam lock	760.10
XAU1006500	380	380	210	1 x cam lock	855.50
XAU1007500	500	500	210	1 x cam lock	1,071.00
XAU1008500	600	380	210	1 x cam lock	1,097.15
XAU1009500	380	600	210	1 x cam lock	1,079.84
XAU1010500	600	600	210	1 x cam lock	1,366.81
XAU1663999	600	600	300	1 x cam lock	1,831.56
XAU1011500	300	380	210	1 x cam lock	1,027.31
XAU1012500	760	600	210	1 x cam lock	1,695.79
XAU1068500	800	600	300	1 x cam lock	2,231.55
XAU1684999	800	600	400	1 x cam lock	2,691.84
XAU1063999	100	600	300	1 x cam lock	2,759.33
XAU1013500	500	500	300	1 x cam lock	1,329.93
XAU1014500	760	760	300	1 x cam lock	2,207.21
XAU1884999	800	800	400	1 x cam lock	3,190.97
XAU1015500	500	400	210	1 x cam lock	986.01
XAU1016500	1000	800	300	1 x cam lock	2,371.22
XAU1804999	1000	800	400	1 x cam lock	3,562.91
XAU1017500	1200	800	300	1 x 3 point locking rod	2,947.14
XAU1824999	1200	800	400	1 x cam lock	4,235.01
#XAU1018500	1000	1000	300	1 x cam lock	3,411.74
#XAU1019500	1200	1000	300	1 x 3 point locking rod	4,013.31
#XAU1024999	1200	1000	400	1 x cam lock	5,999.74
#XAU1224999	1200	1200	400	1 x cam lock	6,189.54

Denotes double doors.



BLIND NUT FEATURE

304 Rain Hoods (Canopies) to suit AE Stainless Steel Enclosures (304 and 316)

Used when enclosure requires higher degree of protection from water
Helps to keep water from sitting on top of the enclosure

Part no.	Description	Price \$
AE2470000	Rain hood to suit 200mm W x 155mm D enclosure	198.24
AE2361000	Rain hood to suit 300mm W x 210mm D enclosure	239.61
AE2471000	Rain hood to suit 380mm W x 155mm D enclosure	235.10
AE2362000	Rain hood to suit 500mm W x 210mm D enclosure	271.11
AE2473000	Rain hood to suit 600mm W x 210mm D enclosure	295.16
AE2474000	Rain hood to suit 760mm W x 300mm D enclosure	371.81
AE2475000	Rain hood to suit 800mm W x 300mm D enclosure	404.57
AE2363000	Rain hood to suit 1000mm W x 300mm D enclosure	490.88

Accessories to suit AE Range of Mild and Stainless Steel Enclosures

Part no.	Description	Price \$
<i>Wall mounting brackets</i>		
AE2508010	10mm wall mounting bracket, zinc plated, per 4	32.55
AE2503010	40mm wall mounting bracket, zinc plated, per 4	32.55
AE2433000	10mm wall mounting bracket, 304 stainless steel, per 4	70.88
AE2433500	10mm wall mounting bracket, 316 stainless steel, per 4	105.21
<i>Adjustable depth stays, to help with mounting equipment to the internal side wall of the enclosure</i>		
AE2383210	Adjustable depth stays to suit 210mm deep enclosure, per 4	83.50
AE2383250	Adjustable depth stays to suit 250mm deep enclosure, per 4	87.10
AE2383300	Adjustable depth stays to suit 300mm deep enclosure, per 4	91.63
AE2383350	Adjustable depth stays to suit 350mm deep enclosure, per 4	96.50
<i>Other accessories</i>		
AE2584000	Pole clamp kit. For mounting the enclosure to an upright pole	228.27
AE1199100	Baying kit. When mounting 2 enclosures together, allows for clean easy cable access	105.37
AE2449000	180° hinges. Ensures 180° door opening, per 2	50.72
AE2519000	Door stay (excludes AE1032500 and AE1035500). Ensures that the door will stay opened when fitted	110.25

Inner Door Kits

Part no.	Description	Price \$
XAU10350199M	AE Inner door (metal) suit 200w x 300h	166.26
XAU10330199M	AE Inner door (metal) suit 300w x 300h	172.25
XAU10340199M	AE Inner door (metal) suit 300w x 400h	198.55
XAU10310199M	AE Inner door (metal) suit 380w x 300h	194.03
XAU13800199M	AE Inner door (metal) suit 380w x 380h	207.80
XAU10380199M	AE Inner door (metal) suit 380w x 600h	226.09
XAU10450199M	AE Inner door (metal) suit 400w x 500h	207.80
XAU10500199M	AE Inner door (metal) suit 500w x 500h	243.70
XAU10570199M	AE Inner door (metal) suit 500w x 700h	277.00
XAU10900199M	AE Inner door (metal) suit 600w x 1000h	369.33
XAU12600199M	AE Inner door (metal) suit 600w x 1200h	438.52
XAU10390199M	AE Inner door (metal) suit 600w x 380h	212.54
XAU10600199M	AE Inner door (metal) suit 600w x 600h	277.00
XAU10760199M	AE Inner door (metal) suit 600w x 760h	295.39
XAU10580199M	AE Inner door (metal) suit 600w x 800h	300.13
XAU10770199M	AE Inner door (metal) suit 760w x 760h	314.02
XAU11800199M	AE Inner door (metal) suit 800w x 1000h	443.26
XAU12800199M	AE Inner door (metal) suit 800w x 1200h	461.66
AE2420000	Cam lock to suit AE Inner door	17.85

Please enquire for other accessories in the AE mild and stainless steel range

All inner door kits require 1 x AE2420000 cam lock for inner door kits 300 & 380 high, and 2 x AE2420000 cam locks for inner door kits 500 high and above.



AE2503010



AE2503010



AE2373210



AE2519000



XAU10390199M

The Three Stage Coating Process

Coating Process	Technical Properties	Technical Specifications	
↓			
1. Degreasing and Nanoceramic Coating	<ul style="list-style-type: none">• Improved corrosion protection through the provision of a closed, inorganic layer of high density in which nanoparticles are embedded• Optimum paint adhesion as a result of the increased surface area• Free from phosphates, solvents and toxic heavy metals• Lower energy requirement: because no heating is necessary for the application• Long term better protection devices		
↓			
2. Anodic Dipcoat Priming	Formation of even layers on all surfaces, edges and in cavities, which creates a high degree of corrosion protection during the build-up process.	Coat thickness	approx. 20 µm
		Cupping index DIN53 156	≥ 4 mm
		Bucholz hardness DIN53 153	≥ 80
		Cross cutting DIN 53 151	Gt 0
	The primer is readily overpainted and is free from the heavy metals, chromate and silicone.		
↓			
Stove Enamelling			
↓			
3. Textured Powder Coating	The distinguishing features of powder coating include a high level of mechanical resistance, excellent corrosion protection, good resistance to chemicals, temperature and weather, and its facility for decontamination.	Coat thickness (external hardness)	approx. 50 - 70 µm
		Cupping index DIN53 156	≥ 4 mm
		Bucholz hardness DIN53 153	≥ 80
		Cross cutting DIN 53 151	Gt 0
	The primer is readily overpainted and is free from the heavy metals, chromate and silicone.		
↓			
Stove Enamelling			

Cable Conduit Holder

Helps to neatly manage cables that run from the enclosure to components on the door.

Part no.	Description	Pack Qty	Price \$ Per Pack
AE2593000	16mm cable conduit holder	20	117.60
AE2591000	29mm cable conduit holder	20	161.80
AE2594000	36mm cable conduit holder	20	184.80
AE2592000	48mm cable conduit holder	20	224.80
AE2373000	Universal bracket to help mount cable conduit holder in the enclosure	6	81.55

E-Box Wall Mounted RAL 7035 IP66

The EB enclosure series with its shallow depths are designed to support applications where space is limited and offers protection for dense wiring and sensitive small instruments.

The range comes complete with 180 Deg hinges and a universal lock system that can be equipped with a range of lock inserts and handles.

Mounting plate included

NEW

Part no.	Height	Width	Depth	Locks	Price \$
EB1551500	150	150	80	1	132.41
EB1545500	300	150	80	1	163.07
EB1546500	200	200	80	1	140.60
EB1552500	300	200	80	1	157.08
EB1547500	400	200	80	1	174.83
EB1553500	150	150	120	1	137.76
EB1548500	300	150	120	1	147.74
EB1549500	200	200	120	1	145.22
EB1554500	300	200	120	1	143.01
EB1550500	400	200	120	1	178.29
EB1557500	500	200	120	2	201.29
EB1555500	300	300	120	1	181.44
EB1556500	400	300	120	1	203.49
EB1577500	400	300	120	1	221.55
EB1578500	600	300	120	2	282.24
EB1579500	800	300	120	2	342.30

Accessories to suit EB Enclosures

Part no.	Description	Pack qty	Price \$
1590000	Wall mounting bracket (8mm - Zinc)	4	15.86
2584000	Pole clamp	1 set	228.27
2309000	Mounting clamp	30	75.60
2503010	Wall mounting bracket (40mm - Zinc plated)	4	32.55
2508010	Wall mounting bracket (10mm - Zinc plated)	4	32.55



AE2591000



EB ENCLOSURES



1590000



2584000



2309000



2508010

Related products:



LS Contactors
p.137



Flexicon Conduit
p.315



Lugs
p.326



Eaton
Pushbuttons
p.104



NEW



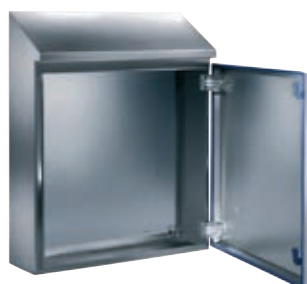
KS1481000



KS1482000



KS1483010



HD1307600

KS Fibreglass Enclosures RAL 7035 IP66

KS Fibreglass enclosures are made from lightweight, non - corrosive fibreglass reinforced unsaturated Polyester. These fully insulated enclosures are appropriate for outdoor and tough industrial applications. Can be ordered with and without viewing window

Single door enclosures may be changed from R/H to L/H hinge arrangement.

For two door enclosures, R/H door is lockable

Mounting plate depth within the enclosure can be adjusted with the addition of Adjustemnt fitting Comes complete with mounting plate.

Foamed-in PU seal.

IP66 with no viewing window, IP56 with viewing window.

Part no.	Price \$	Part no. with viewing window	Price \$	Height	Width	Depth	No. of doors
KS1423500	189.59			300	200	150	1
KS1432500	204.67			350	250	150	1
KS1434500	279.49			400	300	200	1
KS1444500	336.90	KS1448500	439.81	400	400	200	1
KS1446500	430.03	KS1449500	574.47	600	400	200	1
KS1453500	787.28	KS1454500	926.01	500	500	300	1
KS1466500	607.01	KS1467500	811.69	600	600	200	1
KS1468500	809.09	KS1469500	1,122.94	800	600	300	1
KS1480500	1,562.35	KS1479500	1,957.00	1000	800	300	1
KS1400500	1,977.35			1000	1000	300	2

KS Fibreglass Enclosures Adjustment Kits

Part no.	Description	Price \$
KS1481000	Mounting plate adjustment kit to suit KS1423500	67.80
KS1481000	Mounting plate adjustment kit to suit KS1432500	67.80
KS1481000	Mounting plate adjustment kit to suit KS1434500	67.80
KS1481000	Mounting plate adjustment kit to suit KS1444500 & KS1448500	67.80
KS1481000	Mounting plate adjustment kit to suit KS1446500 & KS1449500	67.80
KS1491000	Mounting plate adjustment kit to suit KS1453500 & KS1454500	68.39
KS1481000	Mounting plate adjustment kit to suit KS1466500 & KS1467500	67.80
KS1491000	Mounting plate adjustment kit to suit KS1468500 & KS1469500	68.39
KS1491000	Mounting plate adjustment kit to suit KS1480500 & KS1479500	68.39
KS1491000	Mounting plate adjustment kit to suit KS1400500	68.39

KS Fibreglass Enclosures Accessories

Part no.	Description	Price \$
KS1482000	M6 Threaded inserts (pkt of 20)	56.67
KS2584000	Pole clamp	228.27
KS1483010	Wall mounting brackets (pkt of 4)	27.56

Hygenic Design Range Stainless Steel 304 IP66

The Hygenic range of enclosures are perfectly suited to installation in food processing areas.

Designed and engineered to comply with the highest hygiene standards, there is nowhere for micro organisms to hide, making cleaning easy and reducing the risk of contamination.

With slopped roof

Features -

Enclosure and door brushed, grain 400, 304 stainless steel.

Lock insert stainless steel 316L

Press fitted door seal - Blue, dyed (RAL 5010) silicon and compliant with FDA guideline 21 CFR 177.2600

Zinc plated mounting plate included

Please enquire for specific dimensions

Part no.	Usable Height	Enclosure Height	Width	Depth	Price \$
HD1302600	350	437	220	155	959.44
HD1306600	430	549	390	210	1,326.28
HD1308600	650	769	390	210	1,890.66
HD1307600	550	669	510	210	1,964.03
HD1320600	430	601	610	300	2,234.93
HD1310600	650	769	610	210	2,347.80
HD1316600	1050	1221	810	300	2,934.75
HD1317600	1250	1421	810	300	3,183.08

KL Terminal boxes IP66

With screw fastening lid, integrated mounting rails and a practical depth (80mm or 120mm) to suit terminal strips, the enclosure is ideal for any junction or marshalling application of cables.

Includes mounting rails, support rails, cable gland plates and exterior cover hinges. With all round foamed - IN pu SEAL

Mounting rails and support rails need to be ordered separately.

Please enquire for 15mm support rail.



NEW

KL Terminal Boxes Mild Steel RAL 7035

Part no. depth 80mm	Price \$	Part no. depth 120mm	Price \$	Part no. with gland plate depth 120mm	Price \$	Height	Width
KL1514510	100.07	KL1500510	102.04			150	150
KL1528510	99.44	KL1529510	106.26			150	200
KL1516510	114.98	KL1502510	113.21			200	200
KL1515510	117.60	KL1501510	118.52	KL1530510	166.11	150	300
KL1517510	122.85	KL1503510	127.01	KL1531510	178.29	200	300
		KL1507510	142.74	KL1535510	213.68	300	300
		KL1589510	128.21			150	400
KL1518510	133.67	KL1504510	141.13	KL1532510	196.35	200	400
		KL1508510	165.32	KL1536510	231.53	300	400
		KL1511510	199.31	KL1539510	267.33	400	400
		KL1505510	174.72	KL1533510	220.82	200	500
		KL1509510	181.31	KL1537510	262.92	300	500
KL1519510	171.57	KL1506510	192.15	KL1534510	235.62	200	600
		KL1510510	233.84	KL1538510	285.71	300	600
		KL1512510	268.91	KL1540510	313.95	400	600
		KL1527510	238.35	KL1542510	301.98	200	800
		KL1513510	313.85	KL1541510	374.12	400	800



KL Terminal Boxes Mild Steel RAL 7035 Mounting Plates & Support Rails

Part no. Mounting plate	Price \$	Part no. 7.5mm Support rail	Price \$	Suits part no.
KL1560700	11.87	KL2314000	68.25	KL1514510 & KL1500510
KL1575700	16.49	KL2315000	76.65	KL1528510 & KL1529510
KL1562700	15.54	KL2315000	76.65	KL1516510 & KL1502510
KL1561700	15.54	KL2316000	105.95	KL1515510, KL1501510 & KL1530510
KL1563700	18.90	KL2316000	105.95	KL1517510, KL1503510 & KL1531510
KL1567700	25.52	KL2316000	105.95	KL1507510 & KL1535510
KL1576700	21.95	KL2317000	130.80	KL1589510
KL1564700	23.31	KL2317000	130.80	KL1518510, KL1504510 & KL1532510
KL1568700	32.24	KL2317000	130.80	KL1508510 & KL1536510
KL1571700	44.84	KL2317000	130.80	KL1511510 & KL1539510
KL1565700	29.59			KL1505510 & KL1533510
KL1569700	41.48			KL1509510 & KL1537510
KL1566700	34.97			KL1519510, KL1506510 & KL1534510
KL1570700	50.72			KL1510510 & KL1538510
KL1572700	64.79			KL1512510 & KL1540510
KL1574700	53.24			KL1527510 & KL1542510
KL1573700	80.43			KL1513510 & KL1541510



KL2315000



KL1523010

NEW



1592000



2570100



1590000



1581000



HD4000100

KL Terminal Boxes Stainless Steel 304

Part no.	Height	Width	Depth	Price \$	Part no. Mounting plate	Price \$	Part no. 7.5mm Support rail	Price \$
KL1521010	150	150	80	430.50	KL1560700	11.87	KL2314000	68.25
KL1523010	200	200	80	515.24	KL1562700	15.54	KL2315000	76.65
KL1522010	150	300	80	524.27	KL1561700	15.54	KL2316000	105.95
KL1524010	200	300	80	590.84	KL1563700	18.90	KL2316000	105.95
KL1527010	150	150	120	494.36	KL1560700	11.87	KL2314000	68.25
KL1528010	200	200	120	537.58	KL1562700	15.54	KL2315000	76.65
KL1529010	200	300	120	619.35	KL1563700	18.90	KL2316000	105.95
KL1526010	300	300	120	716.84	KL1567700	25.52	KL2316000	105.95
KL1525010	200	400	120	670.01	KL1564700	23.31	KL2317000	130.80

KL Terminal Boxes Stainless Steel 316L

Part no.	Height	Width	Depth	Price \$	Part no. Mounting plate	Price \$	Part no. 7.5mm Support rail	Price \$
KL1521510	150	150	80	430.50	KL1560700	11.87	KL2314000	68.25
KL1523510	200	200	80	515.24	KL1562700	15.54	KL2315000	76.65
KL1522510	150	300	80	524.27	KL1561700	15.54	KL2316000	105.95
KL1524510	200	300	80	590.84	KL1563700	18.90	KL2316000	105.95
KL1525510	200	400	120	670.01	KL1564700	23.31	KL2317000	130.80
KL1526510	300	300	120	716.84	KL1567700	25.52	KL2316000	105.95

Accessories to suit KL Terminal Boxes

Part no.	Description	Pack qty	Price \$
1592000	Cover hinges	6	41.90
2570100	Earthing set	5	79.52
1590000	Wall mounting bracket (8mm - Zinc)	4	15.86
1594000	Wall mounting bracket (8mm - 304 stainless steel)	4	74.24
1581000	Plastic gland plate (PG 13.5)	5	107.10
1582000	Plastic gland plate (PG 13.5/16/21)	5	100.37
2503010	Wall mounting bracket (40mm - Zinc plated)	4	32.55
2508010	Wall mounting bracket (10mm - Zinc plated)	4	32.55
2433000	Wall mounting bracket (10mm - 304 Stainless steel)	4	70.88
2433500	Wall mounting bracket (10mm - 316L Stainless steel)	4	105.21

Hygenic Design Range Stainless Steel 304 Terminal Boxes IP66

Specifically designed for use in the food industry, Rittals HD Enclosures ensure there is nowhere for micro organisms to hide, making cleaning easy and reducing the risk of contamination within the food manufacturing environment.

Stainless steel 304, with sloped lid. Complete with mounting bracket to mount the enclosure to the surface, with Silicone blue dyed seal ensuring the IP rating

With Stainless steel quick release fasteners on the lid

Mounting plates need to be ordered separately

Compliant with NEMA 13, 4X asnd 3R.

Part no.	Height	Width	Depth	Price \$	Mounting plate	Price \$	Support rail TS35/7.5	Price \$
HD1670.600	172	172	80	691.04	HD1560.700	11.87	HD2314.000	68.25
HD1671.600	177	177	120	758.45	HD1560.700	11.87	HD2314.000	68.25
HD1672.600	227	227	120	809.22	HD1562.700	15.54	HD2315.000	76.65
HD1674.600	227	327	120	860.57	HD1563.700	18.90	HD2316.000	105.95
HD1675.600	227	427	120	911.37	HD1564.700	23.31	HD2317.000	130.80
HD1676.600	327	427	120	923.45	HD1568.700	32.24	HD2317.000	130.80

Wall Spacer Bracket to suit Hygienic Design Range

Creates space for cleaning behind the enclosure, ensuring greater hygiene safety

Made from 304 stainless steel

Part no.	Description	Price \$
HD4000.100	Pack of 1x 50mm wall spacer with all assembly parts and seals. 4 required per enclosure.	105.19



Mining Enclosures Stainless Steel 316 IP66

Specially designed for the harsh mining environment, the mining range of field enclosures are able to withstand the most rugged conditions with the sloped roof feature

Features include -

IP66 rating

2mm thickness

With external mounting flanges top and bottom of enclosure

Maximum door opening

Optimum mounting area

30° sloped roof with generous overhang

Pad lockable stainless steel handle

Foamed in gaskets

Depth adjustable mounting

Door stay plate

Zinc plated mounting plate included

Gland plate included, please enquire for brass gland plates in 3mm or 6mm or custom made units

Please refer p.70 for a complete range of climate controlled products to suit this range

Please enquire for specific dimensions



RM7535SSX15

Stainless Steel 316 Painted X15 Orange

Part no.	Usable Height	Enclosure Height	Width	Depth	Price \$
XAURM4425SSX15	362	681	400	270	3,355.00
XAURM7522SSX15	662	952	500	220	4,440.00
XAURM7535SSX15	662	1039	500	370	4,725.00
XAURM10822SSX15	962	1252	800	220	6,692.50
XAURM10840SSX15	962	1367	800	420	7,075.00

Stainless Steel 316 Uncoated

Part no.	Usable Height	Enclosure Height	Width	Depth	Price \$
XAURM4425SS	362	681	400	270	3,155.00
XAURM7522SS	662	952	500	220	4,240.00
XAURM7535SS	662	1039	500	370	4,525.00
XAURM10822SS	962	1252	800	220	6,342.50
XAURM10840SS	962	1367	800	420	6,725.00

Inner Door Kits to suit Mining Enclosures

Part no.	Description	Price \$
XAURM44HID	Inner door kit to suit RM4425 stainless steel mining enclosures	265.89
XAURM75HID	Inner door kit to suit RM7522 / 7535 stainless steel mining enclosures	338.81
XAURM18HID	Inner door kit to suit RM10822 / 10840 stainless steel mining enclosures	521.10



AE1012590



CM5110500



CM5118500



CM5113500



CM5121500

AE Sloped Roof Stainless Steel 316 IP66

These enclosures are specially designed for coal mining applications, the 30 degree sloped roof protects against dust and moisture build up.

Features include -

30 degree sloped roof

316 grade stainless steel

Single door

Optional viewing window available on request

Fully welded construction

Additional duct / water proofing provided by rubber seal across the top of the door

Door setback underneath canopy

Blind nutserts fitted for ease of wall mounting

Additional sizes available on request

Supply includes -

Door is complete with an all round foamed - in PU seal

Earthing strap

Wall mounting brackets

Zinc plated mounting plate included

316 stainless steel lock

316 stainless steel gland plate

Please enquire for specific dimensions

Part no.	Usable Height	Enclosure Height	Width	Depth	Price \$
XAUAE1002590	300	480	200	155	1,970.92
XAUAE1006590	380	560	380	210	2,319.59
XAUAE1008590	600	780	380	210	2,938.35
XAUAE1012590	760	940	600	210	3,444.75
XAUAE1068590	800	980	600	300	4,341.29

Compact System Enclosures - RAL 7035 Mild Steel IP66

All enclosures are IP66

The CM range of Compact wall mount enclosures is ideal for mounting larger type electrical components into an enclosure

Items such as variable speed drives / soft starters or larger frame Molded case circuit breakers are ideally suited for mounting in this enclosure.

The CM wall mount range utilises all TS8 free standing enclosure interior installation accessories.

Unique lever action handle with 3 point locking

Zinc plated mounting plate included

Open base for individual cable entry, gland plates need to be ordered separately if required.

Gland plates shown below are 1 piece and are 150mm deep in 300mm deep enclosures and 250mm deep in 400mm deep enclosures

Please enquire for internal assembly rails and punched sections.

Please enquire for other configuration gland plates

Please enquire for specific dimensions

Part no.	Height	Width	Depth	Gland plate to suit	Gland plate Price \$	Enclosure Price \$
CM5110500	800	600	400	CM5001222	38.49	1,097.46
CM5111500	1000	600	400	CM5001222	38.49	1,308.93
CM5112500	1200	600	300	CM5001218	30.25	1,227.03
CM5113500	1200	600	400	CM5001222	38.49	1,452.15
CM5114500	1000	800	300	CM5001219	37.70	1,167.92
CM5115500	1000	800	400	CM5001223	29.36	1,157.57
CM5116500	1200	800	300	CM5001219	37.70	1,438.40
CM5117500	1200	800	400	CM5001223	29.36	1,811.57
#CM5118500	1000	1000	300	CM5001220	28.67	1,626.98
#CM5119500	1200	1000	300	CM5001220	28.67	1,941.77
#CM5120500	1200	1000	400	CM5001224	36.23	2,246.58
#CM5121500	1400	1000	300	CM5001220	28.67	2,271.26
#CM5122500	1400	1000	400	CM5001224	36.23	2,747.54
#CM5123500	1200	1000	400	CM5001224	36.23	2,466.03

2 gland plates required for double door enclosures.



Rain Hoods (Canopies) to suit CM Mild Steel Enclosures

Part no.	Description	Price \$
CM5001310	Rainhood to suit 600 x 400	262.82
CM5001330	Rainhood to suit 800 x 400	285.81
CM5001350	Rainhood to suit 1000 x 400	308.49
CM5001360	Rainhood to suit 1200 x 400	336.32

Free Standing Enclosures SE8 IP55

SE8 range of free standing enclosures come fully assembled. The range is available in mild or stainless steel. 3.0mm Zinc plated mounting plate included

All enclosures come complete with gland plates

Unique multi point locking system with lever handle

The rear mounting plate comes in two pieces in the 1800W unit.

Rear mounting plates are easily fitted and removed with the unique guided assistance rails and internal fixing assembly

The SE8 free standing range utilises all TS8 free standing enclosure interior installation accessories.



CM ENCLOSURE WITH RAIN HOOD FITTED

Mild Steel - RAL 7035

Part no.	Height	Width	Depth	Price \$
SE5830500	1800	600	400	2,241.12
SE5831500	1800	800	400	2,379.30
SE5832500	2000	800	400	2,580.90
SE5833500	2000	800	500	2,730.00
SE5834500	2000	800	600	2,832.90
#SE5840500	1800	1000	400	2,780.40
#SE5841500	1800	1200	400	3,074.40
#SE5842500	1800	1600	400	4,278.23
#SE5843500	2000	1200	400	3,721.20
#SE5844500	2000	1200	500	4,021.50
#SE5845500	2000	1200	600	3,946.95
#SE5846500	2000	1800	500	5,526.15

Denotes double doors



SE5830500

Stainless Steel - 304

Part no.	Height	Width	Depth	Price \$
SE5850500	1600	600	400	7,777.96
SE5851500	1800	600	500	6,489.00
SE5852500	1800	800	500	6,689.42
SE5853500	2000	800	600	11,118.41
SE5854500	1800	1000	400	10,508.26
#SE5855500	2000	1200	500	14,458.87

Denotes double doors



SE5843500



CM & SE8 ENCLOSURE
PLINTH KITS

100mm High Plinth Kits to suit CM & SE8 Enclosures

Require front / rear and side sections for complete plinth unit

Front / rear 100mm high	Price \$	Side x 2 100mm high	Price \$	Suits enclosure width x depth
CM8601600	102.48	CM8601040	57.54	600 x 400
CM8601600	102.48	CM8601030	52.40	600 x 300
CM8601800	104.79	CM8601030	52.40	800 x 300
CM8601800	104.79	CM8601040	57.54	800 x 400
CM8601800	104.79	CM8601050	73.61	800 x 500
CM8601800	104.79	CM8601060	71.19	800 x 600
CM8601000	163.49	CM8601030	52.40	1000 x 300
CM8601000	163.49	CM8601040	57.54	1000 x 400
CM8601200	167.58	CM8601040	57.54	1200 x 400
CM8601200	167.58	CM8601050	73.61	1200 x 500
CM8601200	167.58	CM8601060	71.19	1200 x 600

200mm High Plinth Kits to suit CM & SE8 Enclosures

Require front / rear and side sections for complete plinth unit

Front / rear 200mm high	Price \$	Side x 2 200mm high	Price \$	Suits enclosure width x depth
CM8602600	160.86	CM8602040	81.17	600 x 400
CM8602600	160.86	CM8602030	79.70	600 x 300
CM8602800	204.44	CM8602030	79.70	800 x 300
CM8602800	204.44	CM8602040	81.17	800 x 400
CM8602800	204.44	CM8602050	91.15	800 x 500
CM8602800	204.44	CM8602060	98.39	800 x 600
CM8602000	313.22	CM8602030	79.70	1000 x 300
CM8602000	313.22	CM8602040	81.17	1000 x 400
CM8602200	348.39	CM8602040	81.17	1200 x 400
CM8602200	348.39	CM8602050	91.15	1200 x 500
CM8602200	348.39	CM8602060	98.39	1200 x 600

Please enquire for the following accessories that are available in the CM compact range and SE8 free standing range.

Internal assembly rails
Mounting plate side blocks
Alternative lock systems
Transport baying solutions
Touch up paint

Mounting flanges
Rain canopy / vented roof
Wiring plan pockets
Door support strips



Freestanding Bayable Enclosures TS8 IP55

The TS8 freestanding enclosure represents an exciting evolution of electrical enclosure systems. Its symmetrical frame allows any number of individual units to be bayed side by side or one in front of the other or even in a corner at right angles to each other. Once bayed in chosen arrangements, accessibility options are equally flexible. Doors can be installed on any side of the frame ensuring maximum access to the enclosure interior. Please enquire for CAD blocks to help with sizing for equipment.

Features –

Bayable on all sides
Universal interior installation
Mild and Stainless steel

Material –

Enclosure frame, roof and rear panel and gland plates - sheet steel 1.5mm
Door - sheet steel 2.0mm
Mounting plates - sheet steel 3.0mm

Includes –

Enclosure frame with door(s), 3.0mm double bit lock insert
Mounting plate
Gland plates
Rear panel
Roof plate
4 eyebolts



TS8 ENCLOSURES

Mild Steel Freestanding Bayable Enclosures TS8

Frame Part no.	Height	Width	Depth	Doors	Price \$	Side panels	Price \$
TS8615500	1200	600	500	1	1,645.56	TS8115235	359.10
TS8645500	1400	600	500	1	1,701.42	TS8145235	399.11
TS8665500	1600	600	500	1	1,857.03	TS8165235	365.09
TS8684500	1800	600	400	1	2,068.08	TS8184235	380.94
TS8685500	1800	600	500	1	2,212.88	TS8185235	421.16
TS8686500	1800	600	600	1	2,286.69	TS8186235	538.97
TS8604500	2000	600	400	1	2,241.33	TS8104235	400.58
TS8605500	2000	600	500	1	2,425.50	TS8105235	454.97
TS8606500	2000	600	600	1	2,688.95	TS8106235	504.00
TS8608500	2000	600	800	1	2,813.58	TS8108235	545.90
TS8626500	2200	600	600	1	2,613.14	TS8126235	601.23
TS8815500	1200	800	500	1	1,815.03	TS8115235	359.10
TS8845500	1400	800	500	1	1,874.46	TS8145235	399.11
TS8865500	1600	800	500	1	2,002.46	TS8165235	365.09
TS8884500	1800	800	400	1	2,376.68	TS8184235	380.94
TS8885500	1800	800	500	1	2,450.28	TS8185235	421.16
TS8880500	1800	800	500	2	2,527.46	TS8185235	421.16
TS8886500	1800	800	600	1	2,525.46	TS8186235	538.97
TS8881500	1800	800	600	2	2,602.74	TS8186235	538.97
TS8804500	2000	800	400	1	2,469.71	TS8104235	400.59
TS8805500	2000	800	500	1	2,601.59	TS8105235	454.97
TS8806500	2000	800	600	1	2,699.03	TS8106235	504.00
TS8808500	2000	800	800	1	2,995.00	TS8108235	545.90
TS8826500	2200	800	600	1	2,826.71	TS8126235	601.23
TS8084500	1800	1000	400	1	2,739.24	TS8184235	380.94
TS8080500	1800	1000	400	2	2,800.56	TS8184235	380.94
TS8005500	2000	1000	500	2	3,088.58	TS8105235	454.97
TS8006500	2000	1000	600	2	3,217.52	TS8106235	504.00
TS8215500	1200	1200	500	2	2,545.62	TS8115235	359.10
TS8245500	1400	1200	500	2	2,659.34	TS8145235	421.16
TS8265500	1600	1200	500	2	2,954.81	TS8165235	365.09
TS8284500	1800	1200	400	2	3,282.58	TS8184235	380.94
TS8285500	1800	1200	500	2	3,511.41	TS8185235	421.16
TS8286500	1800	1200	600	2	3,676.16	TS8186235	538.97
TS8204500	2000	1200	400	2	3,545.01	TS8104235	400.58
TS8205500	2000	1200	500	2	3,676.89	TS8105235	454.97
TS8206500	2000	1200	600	2	3,759.53	TS8106235	504.00
TS8208500	2000	1200	800	2	4,086.29	TS8108235	454.90
TS8226500	2200	1200	600	2	4,155.59	TS8126235	601.23



TS8 SIDE PANEL



NEW



TS8601800



TS8601050

100mm High Plinth Kits to suit TS8, Mild Steel

Base plinth front / rear	Price \$	Side	Price \$	Suits Frame
TS8601600	102.48	TS8601050	73.61	TS8615500
TS8601600	102.48	TS8601050	73.61	TS8645500
TS8601600	102.48	TS8601050	73.61	TS8665500
TS8601600	102.48	TS8601040	57.54	TS8684500
TS8601600	102.48	TS8601050	73.61	TS8685500
TS8601600	102.48	TS8601060	71.19	TS8686500
TS8601600	102.48	TS8601040	57.54	TS8604500
TS8601600	102.48	TS8601050	73.61	TS8605500
TS8601600	102.48	TS8601060	71.19	TS8606500
TS8601600	102.48	TS8601080	93.66	TS8608500
TS8601600	102.48	TS8601060	71.19	TS8626500
TS8601800	104.79	TS8601050	73.61	TS8815500
TS8601800	104.79	TS8601050	73.61	TS8845500
TS8601800	104.79	TS8601050	73.61	TS8865500
TS8601800	104.79	TS8601040	57.54	TS8884500
TS8601800	104.79	TS8601050	73.61	TS8885500
TS8601800	104.79	TS8601050	73.61	TS8880500
TS8601800	104.79	TS8601060	71.19	TS8886500
TS8601800	104.79	TS8601060	71.19	TS8881500
TS8601800	104.79	TS8601040	57.54	TS8804500
TS8601800	104.79	TS8601050	73.61	TS8805500
TS8601800	104.79	TS8601060	71.19	TS8806500
TS8601800	104.79	TS8601080	93.66	TS8808500
TS8601800	104.79	TS8601060	71.19	TS8826500
TS8601000	163.49	TS8601040	57.54	TS8084500
TS8601000	163.49	TS8601040	57.54	TS8080500
TS8601000	163.49	TS8601050	73.61	TS8005500
TS8601000	163.49	TS8601060	71.19	TS8006500
TS8601200	167.58	TS8601050	73.61	TS8215500
TS8601200	167.58	TS8601050	73.61	TS8245500
TS8601200	167.58	TS8601050	73.61	TS8265500
TS8601200	167.58	TS8601040	57.54	TS8284500
TS8601200	167.58	TS8601050	73.61	TS8285500
TS8601200	167.58	TS8601060	71.19	TS8286500
TS8601200	167.58	TS8601040	57.54	TS8204500
TS8601200	167.58	TS8601050	73.61	TS8205500
TS8601200	167.58	TS8601060	71.19	TS8206500
TS8601200	167.58	TS8601080	93.66	TS8208500
TS8601200	167.58	TS8601060	71.19	TS8226500



200mm High Plinth Kits to suit TS8, Mild Steel

Base plinth front / rear	Price \$	Side	Price \$	Suits Frame
TS8602600	160.86	TS8602050	91.14	TS8615500
TS8602600	160.86	TS8602050	91.14	TS8645500
TS8602600	160.86	TS8602050	91.14	TS8665500
TS8602600	160.86	TS8602040	81.17	TS8684500
TS8602600	160.86	TS8602050	91.14	TS8685500
TS8602600	160.86	TS8602060	98.39	TS8686500
TS8602600	160.86	TS8602040	81.17	TS8604500
TS8602600	160.86	TS8602050	91.14	TS8605500
TS8602600	160.86	TS8602060	98.39	TS8606500
TS8602600	160.86	TS8602080	140.39	TS8608500
TS8602600	160.86	TS8602060	98.39	TS8626500
TS8602800	204.44	TS8602050	91.14	TS8815500
TS8602800	204.44	TS8602050	91.14	TS8845500
TS8602800	204.44	TS8602050	91.14	TS8865500
TS8602800	204.44	TS8602040	81.17	TS8884500
TS8602800	204.44	TS8602050	91.14	TS8885500
TS8602800	204.44	TS8602050	91.14	TS8880500
TS8602800	204.44	TS8602060	98.39	TS8886500
TS8602800	204.44	TS8602060	98.39	TS8881500
TS8602800	204.44	TS8602040	81.17	TS8804500
TS8602800	204.44	TS8602050	91.14	TS8805500
TS8602800	204.44	TS8602060	98.39	TS8806500
TS8602800	204.44	TS8602080	140.39	TS8808500
TS8602800	204.44	TS8602060	98.39	TS8826500
TS8602000	313.22	TS8602040	81.17	TS8084500
TS8602000	313.22	TS8602040	81.17	TS8080500
TS8602000	313.22	TS8602050	91.14	TS8005500
TS8602000	313.22	TS8602060	98.39	TS8006500
TS8602200	348.39	TS8602050	91.14	TS8215500
TS8602200	348.39	TS8602050	91.14	TS8245500
TS8602200	348.39	TS8602050	91.14	TS8265500
TS8602200	348.39	TS8602040	81.17	TS8284500
TS8602200	348.39	TS8602050	91.14	TS8285500
TS8602200	348.39	TS8602060	98.39	TS8286500
TS8602200	348.39	TS8602040	81.17	TS8204500
TS8602200	348.39	TS8602050	91.14	TS8205500
TS8602200	348.39	TS8602060	98.39	TS8206500
TS8602200	348.39	TS8602080	140.39	TS8208500
TS8602200	348.39	TS8602060	98.39	TS8226500



NEW



TS8457600



304 Stainless Steel Freestanding Bayable Enclosures TS8 IP55

Frame Part no.	Height	Width	Depth	Doors	Price \$	Side panels	Price \$
TS8457600	1800	600	500	1	6,829.10	TS8700850	1,100.61
TS8452600	2000	600	600	1	8,980.97	TS8700060	1,744.19
TS8454600	1800	800	400	1	8,086.05	TS8700840	992.15
TS8455600	1800	800	500	1	8,163.33	TS8700850	1,100.61
TS8450600	2000	800	600	1	10,109.61	TS8700060	1,744.19
TS8456600	1800	1200	400	2	10,786.34	TS8700840	992.15
TS8453600	1800	1200	500	2	13,190.52	TS8700850	1,100.61
TS8451600	2000	1200	600	2	13,637.40	TS8700060	1,744.19

Please enquire for TS8 bayable enclosures in Stainless steel 316L

100mm High Plinth Kits to suit TS8, 304 Stainless Steel

Base plinth front / rear	Price \$	Side	Price \$	Suits Frame
TS8701600	439.03	TS8701050	237.93	TS8457600
TS8701600	439.30	TS8701060	255.47	TS8452600
TS8701800	526.05	TS8701040	220.50	TS8454600
TS8701800	526.05	TS8701050	237.9.	TS8455600
TS8701800	526.05	TS8701060	255.47	TS8450600
TS8701200	525.11	TS8701040	220.50	TS8456600
TS8701200	525.11	TS8701050	237.93	TS8453600
TS8701200	525.11	TS8701060	255.47	TS8451600

200mm High Plinth Kits to suit TS8, 304 Stainless Steel

Base plinth front / rear	Price \$	Side	Price \$	Suits Frame
TS8702600	630.42	TS8702050	285.50	TS8457600
TS8702600	430.42	TS8702060	374.13	TS8452600
TS8702800	694.47	TS8702040	253.37	TS8454600
TS8702800	694.47	TS8702050	285.50	TS8455600
TS8702800	694.47	TS8702060	374.13	TS8450600
TS8702200	822.68	TS8702040	253.37	TS8456600
TS8702200	822.68	TS8702050	285.50	TS8453600
TS8702200	822.68	TS8702060	374.13	TS8451600

Site Installation and Transport Baying Solutions

Part no.	Description	Pack qty	Price \$
TS8800500	Quick fix baying clamp (one piece)	6	29.19
TS8800400	Baying clamp horizontal	4	39.69
TS8800410	Baying clamp vertical	6	28.46
TS8800490	Baying connectors , External mild steel	6	32.45
TS8700000	Baying connectors , External 304 Stainless steel	6	80.22
TS8800430	Angular baying brackets	4	34.13
TS4582500	Baying brackets	4	51.56
TS4540000	Lifting lug set	4	75.81
TS8601100	Base / Plinth baying brackets	20	109.74

Baying Cover Top

Part no.	Suits enclosure depth	Finish	Pack qty	Price \$
TS8800845	400	RAL 7035	1	
TS8800855	500	RAL 7035	1	40.43
TS8800865	600	RAL 7035	1	44.44
TS8800885	800	RAL 7035	1	45.57
TS8800825	1000	RAL 7035	1	
TS8700140	400	304 Stainless steel	1	68.46
TS8700150	500	304 Stainless steel	1	74.34
TS8700160	600	304 Stainless steel	1	80.22



Punched Section with Mounting Flange

Part no. 17 x 73 inner mounting level	Price \$	Part no. 17 x 73 Outer mounting level	Price \$	Part no. 23 x 73 Inner mounting level	Price \$	Suits enc. width / depth	Pack qty
TS8612030	91.80	TS8612130	98.28			300	4
TS8612040	105.44	TS8612140	103.76			400	4
TS8612050	125.60	TS8612150	124.32	TS8612550	129.36	500	4
TS8612060	147.84	TS8612160	146.16	TS8612560	153.32	600	4
TS8612080	181.44	TS8612180	179.36	TS8612580	231.84	800	4
TS8612000	248.24	TS8612100	246.56	TS8612500	228.08	1000	4
TS8612020	283.92	TS8612120	282.68	TS8612520	328.04	1200	4

NEW



TS4374000

Punched Section without Mounting Flange

Part no. 23 x 73 Inner mounting level	Suits enclosure width / depth	Pack qty	Price \$
TS4374000	400	4	103.32
TS4375000	500	4	126.00
TS4376000	600	4	150.80
TS4377000	700	4	169.68
TS4382000	1000	4	246.32
TS4378000	1200	4	248.24
TS4380000	2000	4	383.48
TS4381000	2200	4	394.40
TS8800330	support bracket	set of 6	79.91



TS8612240

Punched rail

Part no. 18 x 38mm	Price \$	Part no. 23 x 23mm *	Price \$	Suits enclosure width / depth	Pack qty
TS8612240	63.00	TS4169000	110.88	400	4/12
TS8612250	73.08	TS4170000	152.20	500	4/12
TS8612260	82.76	TS4171000	155.04	600	4/12
TS8612280	110.04	TS4172000	201.60	800	4/12
		TS4173000	239.40	1000	12
		TS4174000	169.50	1200	6
		TS4176000	248.22	1800	6
		TS4177000	272.84	2000	6
		TS4178000	306.18	2200	6
		TS8800330	79.91	support bracket	set of 6

* also requires door support strips, support rails and System support rails



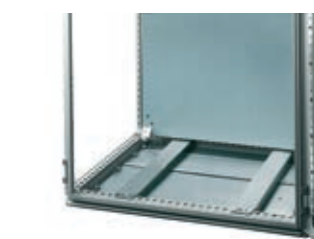
TS4171000



TS4309000

Door Support Strips

Part no. Inner mounting level	Suits enclosure width / depth	Pack qty	Price \$
TS4309000	400	20	182.80
TS4596000	500	20	250.00
TS8800130	600	20	235.20
TS4579000	800	20	334.00



TS4394000

Support Rails

Slotted	Price \$	Unslotted	Price \$	Suits enclosure width / depth	Pack qty
TS4394000	125.16			400	4
TS4395000	147.44			500	4
TS4396000	170.96	TS4396500	170.94	600	4
TS4398000	221.76			800	4



TS4361000

System Support Rails

Part no.	Suits enclosure width	Pack qty	Price \$
TS4361000	600	2	148.16
TS4362000	800	2	176.19
TS4347000	1000	2	233.00



NEW



TS4116000



TS2514000



8611070



4538000



TS2510000



TS4638600



8100500

Wiring Plan Pockets / Utility Lecterns

Part no.	Description	Size	Price \$
TS4114000	Sheet steel wiring plan pocket	400 x 90	68.04
TS4115000	Sheet steel wiring plan pocket	500 x 90	77.18
TS4116000	Sheet steel wiring plan pocket	600 x 90	80.43
TS4118000	Sheet steel wiring plan pocket	800 x 90	91.98
TS2513000	Plastic wiring plan pocket	A3 landscape	31.29
TS2514000	Plastic wiring plan pocket	A4 portrait	24.05
TS2515000	Plastic wiring plan pocket	A5 landscape	21.21
TS2510000	Wiring plan pockets (transparent pouch)	A4 portrait	29.93
TS2512000	Wiring plan pockets (transparent pouch)	A3 landscape	35.81
TS4638600	Utility Lectern	413 x 400mm	375.83
TS4638800	Utility Lectern	613 x 400mm	447.83

Miscellaneous

Part no.	Description	Pack qty	Price \$
TS8701180	180 degree door hinge nickel plated	4	124.64
TS8800190	180 degree door hinge RAL 7035	4	102.06
TS8800110	180 degree side panel hinge RAL 7035	6	162.96
8611070	Comfort handle		107.65
2817000	Base mounting plate	10	149.10
2459000	Condensate discharge (Polyamide)	6	38.95
4538000	Ride up roller	10	156.50
2436732	Touch up pen 12ml RAL 7032		32.03
2436735	Touch up pen 12ml RAL 7035		32.03
2438735	Paint tin 1000ml RAL 7035		62.37
2581000	Spray can 150ml RAL 7022		39.90
2437000	Spray can 150ml RAL 7032		39.90
2440735	Spray can 150ml RAL 7035		39.90

Flex-Block Base / Plinth System RAL 9005

Suits TS, SE and CM enclosure systems

Made from Fibreglass - reinforced plastic

Cover caps ABS

Supply includes -

1 set = 4 corner pieces, 4 corner caps and assembly parts for mounting on the enclosure

Flex Block Corner Pieces

Part no.	Corner pieces height	Price \$
8100000	100	108.92
8200000	200	205.74

Flex-block Trim Panels

For use with FLEX-BLOCK corner pieces

For tool free assembly. With symmetrical enclosure dimensions, trim panels are identical in width & depth.

Made from sheet steel. 1 set = 2 trim panels

Part no.	Height	For enclosure width and depth	Price \$
8100300	100	300	36.90
8100400	100	400	37.48
8100500	100	500	42.95
8100600	100	600	53.28
8100800	100	800	59.92
8100010	100	1000	97.41
8100120	100	1200	101.69
8100160	100	1600	151.28
8100180	100	1800	193.64
8200300	200	300	47.23
8200400	200	400	57.49
8200500	200	500	63.54
8200600	200	600	72.61
8200800	200	800	96.82
8200010	200	1000	169.43
8200120	200	1200	205.74
8100602	100	600	183.97
8100802	100	800	209.35



TP One Piece Consoles IP55 RAL 7035

The one piece TP console boasts exceptional functionality in terms of its modular interior installation, ease of assembly and system accessories.

It integrates perfectly into the system platform TS8, utilising the extensive, assembly friendly range of TS8 system accessories

Material -

Enclosure : 1.5mm mild steel

Door and console cover : 2.0mm mild steel with all round foamed-in PU seal

Mounting plate : 3.0mm mild steel

Lock cover : plastic, self extinguishing

Includes -

Enclosure, solid backs and sides

Door or double door at front with locking rods

Mounting plate

Cover hinged at rear, 2 stays with automatic locking and unlocking

Open base for individual cable entry

Part no.	Height	Width	Depth bottom	Depth top	Doors	Price \$
TP6746500	960	600	400	520	1	1448.06
TP6748500	960	800	400	520	1	1472.42
TP6740500	960	1000	400	520	2	1971.90
TP6742500	960	1200	400	520	2	2136.23

100mm High Plinth to suit TP One Piece Consoles

Base plinth Front / rear	Price \$	Side	Price \$	Suits Console Part no.
TP8601600	102.48	TP8601040	57.54	TP6746500
TP8601800	104.79	TP8601040	57.54	TP6748500
TP8601000	163.49	TP8601040	57.54	TP6748500
TP8601200	167.58	TP8601040	57.54	TP6742500

200mm High Plinth to suit TP One Piece Consoles

Base plinth Front / rear	Price \$	Side	Price \$	Suits Console Part no.
TP8602600	160.86	TP8602040	81.17	TP6746500
TP8602800	204.44	TP8602040	81.17	TP6748500
TP8602000	313.22	TP8602040	81.17	TP6748500
TP8602200	348.39	TP8602040	81.17	TP6742500

Accessories to suit One piece consoles

Part no.	Description	Pack qty	Price \$
TP2889000	M12 levelling feet	4	561.86
TP2890000	M16 levelling feet	4	548.44
TP4611000	Twin castors 40kg (50mm clearance, no locks, black)	1 set	190.58
TP7495000	Twin castors 120kg (125mm clearance, 2 locks, black)	1 set	389.51

Please enquire for The Top Console system for individual parts to make up a non standard Console

Gland plates are sold separately, please enquire

NEW



TP6742500



TP2889000



TP4611000



TP7495000


NEW


3110000



3118000



3171100

Toptherm Fan and Filter Units

IP54 requires fan and filter

IP55 requires fan / filter and fine filter

IP56 requires fan / filter with fine filter mat and hose proof hood.

Fan and outlet filters need to be ordered separately

Fan and filter Mat part no.	Price \$	Outlet filter part no.	Price \$	Height	Width	Depth	Air flow rate (m3/h) Unimpeded	Voltage (V) 50/60Hz	A consumed
3237100	200.45	3237200	57.02	116.5	116.5	43	20/25	230	0.065/0.052
3237110	200.45	3237200	57.02	116.5	116.5	43	20/25	115	0.12/0.10
3237124	246.96	3237200	57.02	116.5	116.5	43	20	24 DC	0.125
3238100	314.37	3238200	81.48	148.5	148.5	58.5	55/66	230	0.12/0.11
3238110	350.81	3238200	81.48	148.5	148.5	58.5	55/66	115	0.24/0.22
3138124	388.08	3238200	81.48	148.5	148.5	58.5	55	24 DC	0.23
3239100	374.43	3239200	91.56	204	204	90	105/120	230	0.12/0.11
3239110	409.71	3239200	91.56	204	204	90	105/120	115	0.24/0.22
3239124	482.48	3239200	91.56	204	204	90	105	24 DC	0.23
3240100	379.26	3240200	105.00	255	255	107	180/160	230	0.21/0.19
3240110	416.22	3240200	105.00	255	255	107	180/160	115	0.42/0.38
3240124	608.48	3240200	105.00	255	255	107	180	24 DC	0.43
3241100	443.21	3240200	105.00	255	255	107	230/250	230	0.26/0.24
3241110	510.41	3240200	105.00	255	255	107	230/250	115	0.52/0.48
3241124	760.20	3240200	105.00	255	255	107	230	24 DC	0.78
3243100	566.16	3243200	119.94	323	323	118.5	550/600	230	0.37/0.39
3243110	658.56	3243200	119.94	323	323	118.5	550/600	115	0.75/0.80
3244100	597.77	3243200	119.94	323	323	118.5	700/770	230	0.43/0.60
3244110	627.06	3243200	119.94	323	323	118.5	700/770	115	0.9/1.25
3244140	838.74	3243200	119.94	323	323	118.5	700/770	400/460	0.17/0.21

Special voltages and EMC fans filters are available, please enquire.

Hose proof hoods

Recommended for use with the enclosure to achieve IP56

Part no.	For use with fan / filter unit	Height	Width	Depth	Price \$
3237080	3237...	230	150	40	224.18
3238080	3238...	245	176	55	253.68
3239080	3239...	330	233	55	291.27
3240080	3240... / 3241...	390	282	85	410.45
3243080	3243... / 3244...	480	350	110	488.04

Air control / regulation

Part no.	Description	Per	Price \$
3110000	Thermostat +5 deg c to +60 deg c	ea	80.64
3118000	Hydrostat 50 - 100% relative humidity	ea	266.39

Filter mats

Part no.	For fan and filter unit	Filter class DIN EN 779	Price \$
3321700	SK 3237....	G2	29.72
3322700	SK 3238....	G2	34.34
3171100	SK 3239....	G3	52.08
3172100	SK 3240.... / SK 3241....	G3	57.12
3173100	SK 3243.... / SK 3244....	G3	79.17

Fine filter mats

Part no.	For fan and filter unit	Filter class DIN EN 779	Price \$
3238055	SK 3238....	F5	38.57
3181100	SK 3239....	F5	51.98
3182100	SK 3240.... / SK 3241....	F5	56.49
3183100	SK 3243.... / SK 3244....	F5	78.75

TopTherm Fans and Filter Units



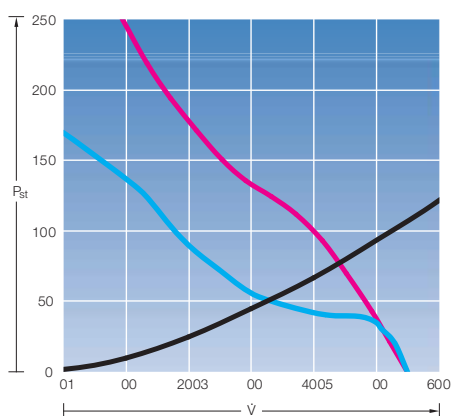
More Pressure. Higher Flow Rates

Assembly Without Tools

- Straightforward assembly, exchange and maintenance with no need for tools of any kind
- Simple reversal of the air flow direction by turning the fan module
- Individual positioning of the power connection
- Spring clamp terminals for electrical connection without tools
- Louvred grill latch for fast filter mat replacement without tools



Performance diagram



- V = Volumetric flow (m^3/h)
 ΔP_{st} = Stat. pressure difference (P_a)
 — = Resistance curve
 Outlet filter SK 3243.200
 — = old 50 Hz
 Fan-and-filter unit SK 3326.xxx
 — = new 50 Hz
 Fan-and-filter unit SK 3243.xxx

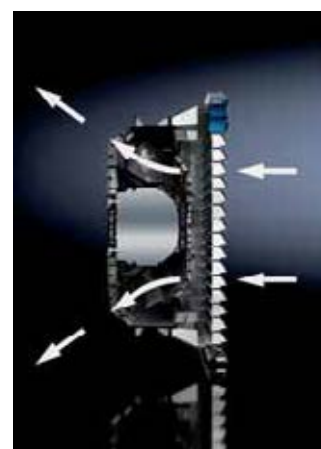
Efficient Technology

- Air throughput from 20 to 700 m^3/h
- New diagonal fan technology for greater pressure stability and constant air flows in use, even with a contaminated filter mat
- Minimum installation depth
- Flow-optimised air routing
- Extended service life of filter mats and thus longer maintenance intervals



Air Routing

- Intelligent symbiosis of radial and axial fan technology
- Air flow spreads diagonally from the fan, promoting a more even air distribution in the enclosure





NEW



SK3105320

SK Enclosure heaters

Enclosure heaters protect your equipment from condensation and corrosion. Rittal heaters are designed to produce the necessary heat, while maintaining their compact and robust black anodised aluminium construction.

The series is made of seven different capacity heaters, with thermal outputs ranging from 10 to 800 watts. Surface temperature and power consumption are minimised through the use of thermistors (PTCs), which regulate the thermal output according to the enclosure integral temperature. Includes PTC heater and quick fit assembly parts.

Please note-

Thermostat on p.70 (3110000) is recommended for precise temperature control in the enclosure. In order to prevent condensation on assemblies, hygrostat on p.70 (3118000) is recommended to regulate heating. In larger enclosures, even heat distribution is best achieved by installing several low output heaters. The installation of heaters is generally advisable, even when using heat exchangers and cooling units, in order to prevent condensation.

Heater sizing

In order to install the appropriate capacity heater, the required thermal output can be calculated as :

Calculations	Values	Example
Calculate the enclosure surface area in m ²	A	6 m ²
Select the minimal internal temperature that you wish to maintain within the enclosure in deg C	B	15°
Select the minimum ambient temperature of the enclosure surrounds in deg C	C	5°
Calculate the temperature difference : B - C = D	D	10°
Heat transfer co-efficient of steel : E = 5.5 W/M ² k	E	5.5
Thermal output calculated as : A x D x E = required heater size (RHS).	RHS	330w

Without Fan - continuous thermal output 8-150w

Part no.	Height	Width	Depth	Operating Voltage 50/60Hz	Operating thermal output W @ C = 10 deg C	Pre - fuse	Price \$
SK3105310	120	45	46	110 - 240V	8 - 10	2A	142.13
SK3105320	120	45	46	110 - 240V	18 - 20	2A	151.28
SK3105330	155	64	56	110 - 240V	23 - 30	4A	193.68
SK3105340	155	64	56	110 - 240V	49 - 50	4A	233.50
SK3105350	230	64	56	110 - 240V	63 - 75	4A	284.48
SK3105360	165	90	75	110 - 240V	86 - 100	4A	337.38
SK3105370	180	90	75	110 - 240V	130 - 150	4A	390.51

With Fan-Continuous thermal output 250-800w

Part no.	Height	Width	Depth	Operating Voltage 50/60Hz	Operating thermal output W @ C = 10 deg C	Pre - fuse	Price \$
SK3105410	200	103	103	110	250	4A	536.06
SK3105380	200	103	103	230	250	4A	567.15
SK3105420	200	103	103	110	400	6A	590.70
SK3105390	200	103	103	230	400	6A	605.54
SK3105430	200	103	103	110	800	10A	670.27
SK3105200	200	103	103	230	800	6A	690.20



Enclosure Climate Control

Generation “Blue e” Save energy permanently with Rittal cooling units



Rittal is proud to introduce its new range of energy saving cooling units - “Blue e” generation. This new technology, with a cooling output ranging from 500 W to 4,000 W (depending on the application) can help achieve energy savings up to 45% (ideally 70% compared with a conventional Rittal TopTherm Plus cooling unit in field trials).

The higher coefficient of performance (COP), which is 42% higher (from 1.2 to 1.7) with 1,000 W test equipment, for example, is the product of years of research and development. It also results from the ideal interaction of all the components responsible for the cooling output.

The first step towards improving the efficiency of the new cooling units with nano-coating involves the entire geometry of the cooling components' configuration. The component manufacturer systematically analysed existing devices and - wherever possible -

improved their efficiency. This related to the design of the condensers, evaporators, cooling fins, pipe bends and all the other refrigeration components.

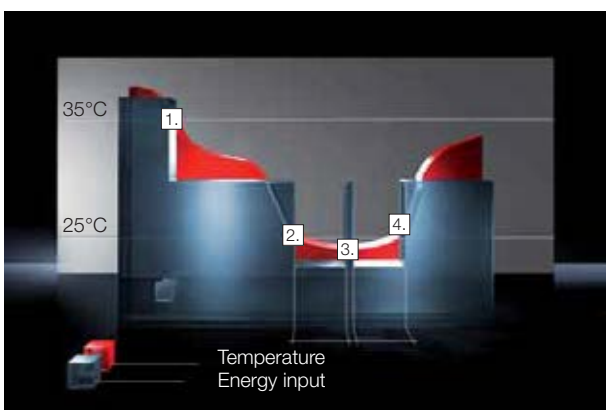
In a second step, Rittal optimised the fan technology. EC (Electronic Communication) technology is used in most of the fan motors. In these motors, designed as external rotor motors, the traditional mechanical pole reversal is replaced by electronic commutation, which functions without wear, sparks or interference. The motors have a dynamically balanced rotor with multi-polar magnets. The rotor position is recorded by several Hall-effect sensors. Motor supply and control is achieved via an external electronic operating system that has a very high efficiency at all speeds. Precision bearings ensure a long service life and low noise generation.

Eco-mode Controls

Intelligent, targeted use of energy thanks to the new-eco-mode control from Rittal.

The evaporator fan is switched off as required depending on the internal enclosure temperature and therefore no longer runs throughout.

1. Cooling switched off: the interior fan only runs to ensure air circulation inside the enclosure
2. The interior fan is switched off
3. The interior fan is switched on for 30 seconds every 10 minutes to briefly blend the air
4. The interior fan is switched back on



Nanotechnology for TopTherm Climate Control Units

Rittal cooling units of the TopTherm series are often installed in extremely tough operating environments: Dry dust, oil-laden air and other aggressive ambient influences mean time consuming and expensive cleaning and maintenance. The water, dirt and oil-repellent properties of the innovative RiNano coating applied to the heat exchangers ensures a constant cooling performance over a much longer period – which quickly adds up to significant time and cost savings.

RiNano saves time and money

- Reduced contamination of the heat exchanger
- High resilience of the RiNano coating
- Significantly simpler cleaning
- Extended service and maintenance intervals cut costs
- No time-consuming removal and remounting of the cooling unit
- Filter mats no longer necessary for many applications
- Longer service life of metal filter mats
- Increased energy efficiency

Rittal Therm 6.3

Rittal Therm 6.3 is a calculation program for enclosure climate control.

The Rittal Therm 6.3 software package takes care of complex calculations of climate control requirements. A user-friendly interface guides the operator to the most suitable, correctly dimensioned climate control component.

Available for download from rittal.com.au





NEW



SK3304500

SK Wall Mounted Cooling Units IP54 (IP34 external circuit, IP54 Internal circuit)

Wall mounted cooling units offer top design, quality and performance with a host of assembly benefits. With the added option to mount these units externally, partially internally or fully internally in the enclosure, the available space is maximised. With a selection of units from 300 to 4000 watts. Units are also available in stainless steel for use with stainless steel enclosures.

Additional accessories include door switches, which deactivate the unit when the doors are opened, thereby helping to prevent condensation.

Please enquire for performance diagrams.

Includes -

Nano coated condenser

Fully wired, ready for connection, including mounting template and assembly parts

Mild Steel

Basic control	Price \$	Comfort control	Price \$	Height	Width	Depth	Op voltage (V, 50/60hz)	Cooling output (W)
SK3302100	2,830.75			550	280	140	230	300
		SK3303500	3,942.54	550	280	210	230	500
		SK3361500	4,188.24	550	280	260	230	750
		SK3304500	4,436.78	950	400	260	230	1000
		SK3304540	4,973.54	950	400	260	400/460	1000
		SK3305500	6,804.00	950	400	260	230	1500
		SK3305540	7,198.18	950	400	260	400/460	1500
		SK3328500	6,960.87	1580	400	295	230	2000
		SK3328540	7,753.73	1580	400	295	400/460	2000
		SK3329500	8,450.19	1580	400	295	230	2500
		SK3329540	8,805.51	1580	400	295	400/460	2500
		SK3332540	10,612.35	1580	500	340	400/460	4000

Stainless Steel

Basic control	Price \$	Comfort control	Price \$	Height	Width	Depth	Op voltage (V, 50/60hz)	Cooling output (W)
SK3302200	3,698.10			550	280	140	230	300
		SK3303600	6,534.88	550	280	210	230	500
		SK3361600	7,783.31	550	280	260	230	750
		SK3304600	6,810.91	950	400	260	230	1000
		SK3304640	7,590.50	950	400	260	400/460	1000
		SK3305600	8,207.95	950	400	260	230	1500
		SK3305640	9,118.90	950	400	260	400/460	1500
		SK3328600	11,445.32	1580	400	295	230	2000
		SK3328640	12,290.00	1580	400	295	400/460	2000
		SK3329600	12,951.00	1580	400	295	230	2500
		SK3329640	12,038.24	1580	400	295	400/460	2500
		SK3332640	13,020.41	1580	500	340	400/460	4000

Related products:



Eaton Timing Relays
p.101



Gewiss Enclosures
p.14



Circutor Meters
p.213



Cable Glands
p.335



NEW

SK Roof Mounted Cooling Units IP54 (IP34 external circuit, IP54 Internal circuit)

Roof mounted cooling units offer top design, quality and performance with a host of assembly benefits and sophisticated air routing.

These units allow maximum utilisation of the available space above the enclosure. There are four models to choose from with nominal cooling outputs ranging from 500 to 4000 watts. They are also available in stainless steel for use with stainless steel enclosures.

Additional accessories include ducting units and door switches aim to further maximise the efficiency of heat dissipation from the enclosure.

Includes -

Nano-coated condenser

Fully wired ready for connection, including mounting template and assembly parts.

Integral electric condensate evaporation.

Mild Steel

Comfort control	Height	Width	Depth	Operating voltage (V, 50/60hz)	Cooling output (W)	Price \$
SK3382500	417	597	380	230	500	3,942.54
SK3359500	417	597	380	230	750	5,417.40
SK3383500	417	597	475	230	1000	4,914.00
SK3384500	417	597	475	230	1500	5,557.55
SK3385500	417	597	475	230	2000	7,111.13
SK3386540	470	796	580	400/460	3000	8,240.40
SK3387540	470	796	580	400/460	4000	9,114.53



SK3383500

Stainless Steel

Comfort control	Height	Width	Depth	Operating voltage (V, 50/60hz)	Cooling output (W)	Price \$
SK3382600	417	597	380	230	500	6,103.91
SK3359600	417	597	380	230	750	7,654.29
SK3383600	417	597	475	230	1000	7,038.37
SK3384600	417	597	475	230	1500	7,645.00
SK3385600	417	597	475	230	2000	9,049.50
SK3386640	470	796	580	400/460	3000	10,475.50
SK3387640	470	796	580	400/460	4000	11,537.76



SK3384500

SK Roof mounted cooling units IP54 - Low noise

Low noise level (considerably quieter than cooling units for industrial applications)

Includes -

Nano-coated condenser

Fully wired ready for connection, including mounting template and assembly parts.

Integral electric condensate evaporation.

Part no.	Height	Width	Depth	Operating voltage (V, 50/60hz)	Cooling output (W)	Price \$
SK3273500	417	597	475	230	1100	5,902.39
SK3301800	417	597	895	230	3000	15,294.30

Air duct system

Part no.	For units	Price \$
SK3286870	SK 3383.../ SK 3384.../ SK 3385...	296.94
SK3286970	SK 3386.../ SK 3387...	296.94

SWITCHBOARD BUILDING ACCESSORIES

Eureka switchboard fans, vent kits, heaters and thermostats	77
Eureka slotted cable duct	78
Legrand Halogen free slotted cable duct	78
Legrand slotted cable duct	78
Din rail	78
Heat shrink tubing	79
Loom tube	80
Spiral binding	80
Memocab wire marking system	80
Earth & neutral bars	82
Active & neutral meter links	83
Line taps	83
Busbar insulators	84
PVC Tape	84
Cubicle lights	84
Terminal strips	84
Tend premium terminal range	85
Ensto Bi-Metal terminals	86
Eureka economy terminal range	87
Self adhesive foam tapes	88
Porcelain & cassette terminal blocks	88
Cuflex flexible & mini flexible bus bars	89
Switchboard hardware	92

Fans

Housing - aluminium, painted black. Operating voltage- -20deg C to + 80 deg C
Top and bottom ball bearings. Approvals UL, CSA, TUV & UDE



eureka

Part no.	Height	Width	Depth	Voltage	Air flow M3/hr	Price \$
F2E-80S-230	80	80	38	240VAC	44	68.35
F2E-92S-230	92	92	26	240VAC	76	69.25
F2E-120S-115	120	120	38	115VAC	150	75.34
F2E-120S-230	120	120	38	240VAC	150	75.34
F2E-150S-115	172	150	51	115VAC	324	215.87
F2E-150S-230	172	150	51	240VAC	324	215.87



FE-120S-230



G205

Wire Guards

Part no.	Height	Width	Price \$
8038FG	80	80	4.63
9225FG	92	92	4.63
12038FG	120	120	9.88
17258FG	172	150	13.04
G205	205	205	26.13



WFK3321-100



WFK3321-200

Complete Fan Units and Vent Kits IP55

Supplied as complete kit, Colour RAL 7035

Units are IP55 with filter fitted.

Complete fan kits with fan, Louvre and filter

Part no.	Height	Width	Depth	Voltage	Air flow M3/hr	Price \$
FKL6621-230	116	116	57	240VAC	20	103.90
FKL6622-230	148	148	67	240VAC	55	225.02
FKL6623-230	204	204	95	240VAC	105	257.13
FKL6625-230	255	255	17	240VAC	230	342.86
FKL6626-230	323	323	142	240VAC	500	428.53

Complete vent kits with Louvre and filter only, Units are IP55 with filter fitted.

FKL6621-300	116	116				46.11
FKL6622-300	148	148				50.34
FKL6623-300	204	204				62.14
FKL6625-300	255	255				72.80
FKL6626-300	323	323				83.53



JWT6012

Thermostats - Din Mounted

Heating / cooling and combination units

Cooling unit with 1 N/O , Heating unit with 1 N/C

240VAC 10A contacts

Part no.	Description	Price \$
JWT6011NC	Heating thermostat 0 - 60 deg C with 1N/C	60.67
JWT6011NO	Cooling thermostat deg 0 - 60 deg C with 1 N/O	60.67
JWT6012	Heating / Cooling thermostat deg 0 - 60 deg C with 1 N/O & 1 N/C	82.79
JWT6013	Mechanical Hygrostat 35 - 95%	135.45



JWT6011NC



JWT6011NO

Heaters - Din mounted

Din mounted

With easy cable connection

3 sizes from 30 to 100W

110V to 250V AC/DC operation

Part no.	Description	Price \$
JRQ30W	30W 110 / 250 VAC Enclosure heater self limiting	101.53
JRQ60W	60W 110 / 250 VAC Enclosure heater self limiting	163.27
JRQ100W	100W 110 / 250 VAC Enclosure heater self limiting	194.20



JRQ30W



JRQ60W



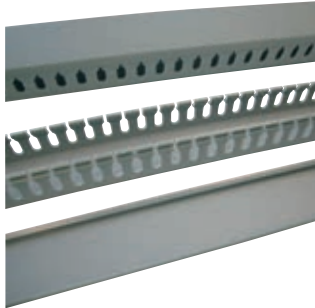
JRQ100W



Eureka Slotted Duct

Supplied in 2 m lengths. Open slotted. Grey in colour. Pre-scored for easy snap off.

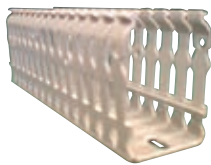
Part no.	Width (mm) X height (mm)	Box Qty.	Price \$ per 2m
CSD 2525	25 x 25	12	17.83
CSD 2530	25 x 30	12	18.29
CSD 2540	25 x 40	12	20.60
CSD 2550	25 x 50	12	19.58
CSD 2560	25 x 60	12	23.53
CSD 2575	25 x 75	12	28.95
CSD 2580	25 x 80	12	31.04
CSD 4040	40 x 40	12	22.18
CSD 4060	40 x 60	12	29.86
CSD 4080	40 x 80	12	37.25
CSD 5050	50 x 50	12	26.19
CSD 5075	50 x 75	12	40.47
CSD 6040	60 x 40	12	33.69
CSD 6060	60 x 60	12	35.22
CSD 7575	75 x 75	12	62.48
CSD 70100	70 x 100	12	89.45
CSD 6080	60 x 80	12	41.48
CSD 8060	80 x 60	12	42.16
CSD 8080	80 x 80	8	60.78
CSD 80100	80 x 100	8	89.40
CSD 10060	100 x 60	8	66.71
CSD 10080	100 x 80	8	79.58
CSD 100100	100 x 100	8	113.89



Legrand Halogen Free Slotted Duct

Grey RAL 7035. Pre-scored base enables easy breaking. Supplied in 2m lengths

Part no.	Width x Height	Carton Quantity	Price \$
636200	25 x 25	30	61.63
636201	25 x 40	28	66.88
636206	40 x 40	24	77.16
636202	25 x 60	28	71.27
636207	40 x 60	24	81.43
636212	60 x 60	16	99.48
636208	40 x 80	20	86.99
636213	60 x 80	16	139.19
636217	80 x 80	12	210.79

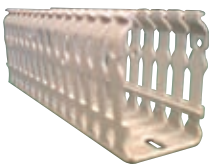


636207

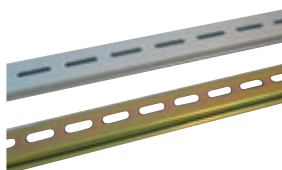
Legrand Slotted Duct

Grey RAL 7030. Pre - scored base enables easy breaking. Supplied in 2m lengths

Part no.	Width x Height	Price \$	Part no.	Width x Height	Price \$
636095	15 X 25	40.27	636120	100 X 60	55.22
636100	25 X 25	18.93	636124	120 X 60	82.70
636105	40 X 25	22.81	636103	25 X 80	26.89
636096	15 X 40	41.75	636108	40 X 80	27.53
636101	25 X 40	19.55	636113	60 X 80	33.16
636106	40 X 40	22.37	636117	80 X 80	47.72
636111	60 X 40	28.00	636121	100 X 80	52.62
636115	80 X 40	61.38	636125	120 X 80	71.18
636119	100 X 40	78.07	636109	40 X 100	38.65
636102	25 X 60	20.41	636114	60 X 100	49.79
636107	40 X 60	22.06	636118	80 X 100	65.55
636112	60 X 60	27.15	636122	100 X 100	72.51
636116	80 X 60	39.64	636123	150 X 100	95.28



636107



TS35D8 TBR-N2

DIN Rail

Part no.	Description	Price \$
TBR-N	1 metre aluminium slotted 8mm	12.02
TBR-N2	2 metre aluminium slotted 8mm	23.87
RS-35D8	2 metre steel slotted 8mm	18.00
RS-35D15	2 metre steel slotted 15mm	22.58
TS35D8	2 metre aluminium solid 8mm	17.50
TS35-15AL	2 metre aluminium solid 15mm	18.40



Heat Shrink Tubing

Temperature rating -25° to 125° C. High flexibility. Rated at 600V
Standard colours available are - R - red, W - white, BL - blue, B - black, G/Y - green/yellow

1.2M Lengths

Part no.	Expanded mm	Recovered mm	Lay flat mm	Pack qty	Price \$ per 1.2m Length
HSL3	3.5	1.75	–	1	5.42
HSL5	5.4	2.7	8	1	6.77
HSL6	6.4	3.2	11	1	8.58
HSL6G/Y	6.4	3.2	11	1	18.17
HSL10	10.4	5.2	16	1	9.71
HSL10G/Y	10.4	5.2	16	1	20.88
HSL13	13.5	6.75	20	1	10.61
HSL13G/Y	13.5	6.75	20	1	22.80
HSL19	21.2	10.6	31	1	15.01
HSL19G/Y	21.2	10.6	31	1	32.11
HSL25	26.1	13.05	39	1	23.25
HSL25G/Y	26.1	13.05	39	1	49.72
HSL38	39.3	19.65	60	1	39.00
HSL38G/Y	39.3	19.65	60	1	52.77
HSL51	52.8	26.4	80	1	50.85

Spools

Part no.	Expanded mm	Recovered mm	Lay flat mm	Pack qty m	Price \$ per 1.2m Length
HS3	3.5	1.75	–	200	4.57
HS5	5.4	2.7	8	100	5.64
HS6	6.4	3.2	11	50	7.11
HS6G/Y	6.4	3.2	11	61	14.11
HS10	10.4	5.2	16	50	8.13
HS10G/Y	10.4	5.2	16	61	16.25
HS13	13.5	6.75	20	50	8.86
HS13G/Y	13.5	6.75	20	61	17.78
HS16	16	10.6	31	50	10.67
HS16G/Y	16	10.6	31	50	19.64
HS19	21.2	10.6	31	50	12.53
HS19G/Y	21.2	10.6	31	61	25.00
HS25	26.1	13.05	39	50	19.36
HS25G/Y	26.1	13.05	39	61	38.72
HS38	39.3	19.65	60	50	32.51
HS38G/Y	39.3	19.65	60	30	59.71
HS51	52.8	26.4	80	25	42.33
HS76	76.2	38.1	120	30	74.10
HS102	101.6	50.8	160	22	84.88

Heat Shrink Kits

An assortment of popular sizes, red and black general purpose heat shrink tubing supplied in a boxed grab kit

Part no.	Size Range	Lengths mm	Colors	Price \$ per pack
HSKB	2 - 25mm	Assorted	Black & red	158.03



HSL Heatshrink Lengths



HS16 Heatshrink Spool



HSKB



LT-1310M



CTC12B



37802

Loom Tube, Spiral Binding & Memocab Wire Marking System

Loom Tube (Split Corrugated Conduit)

Quick, neat cost effective, wire harnessing system. Harnessing of cables between cabinets and instruments mounted on hinged cabinet doors.

Flame retardant (UL94-V2). Maximum operating temperature of 90deg C.

Part no.	I.D mm	O.D mm	Colour	Price per	Pack qty	Price \$
LT7/10M	7.4	10.2	black	roll	10m	25.57
LT7/50M	7.4	10.2	black	roll	50m	142.05
LT7/100M	7.4	10.2	black	roll	100m	191.44
LT7/400M	7.4	10.2	black	roll	400m	765.74
LT10/10M	10.7	14.1	black	roll	10m	36.23
LT10/30M	10.7	14.1	black	roll	30m	120.78
LT10/100M	10.7	14.1	black	roll	100m	215.42
LT10/250M	10.7	14.1	black	roll	250m	538.41
LT13/10M	13.2	17.5	black	roll	10m	42.27
LT13/30M	13.2	17.5	black	roll	30m	140.92
LT13/150M	13.2	17.5	black	roll	150m	394.89
LT16/10M	15	19.5	black	roll	10m	47.29
LT16/30M	15	19.5	black	roll	30m	157.69
LT16/100M	15	19.5	black	roll	100m	299.12
LT20/10M	19.3	23.8	black	roll	10m	57.40
LT20/30M	19.3	23.8	black	roll	30m	191.27
LT20/100M	19.3	23.8	black	roll	100m	364.59
LT23/50M	21.2	25.8	black	roll	50m	407.48
LT25/10M	28	34	black	roll	10m	73.43
LT25/30M	28	34	black	roll	30m	245.00
LT36/25M	36	39.5	black	roll	25m	580.69
LT48/25M	48	51.5	black	roll	25m	797.63
LTIT	Loom tube installation tool				1	13.04

Spiral Binding

Part no.	Bundle Range mm	Colour	ID-mm	Pack Qty	Price \$ per pack
CTC3N	4-12	natural	4	50mtr	83.53
CTC3B	4-12	black	4	50mtr	83.53
CTC6N	6-50	natural	6	50mtr	109.26
CTC6B	6-50	black	6	50mtr	109.26
CTC12N	12-100	natural	9	25mtr	109.26
CTC12B	12-100	black	9	25mtr	109.26
CTC3N/10	4-12	natural	4	10mtr	17.61
CTC3B/10	4-12	black	4	10mtr	17.61
CTC6N/10	6-50	natural	6	10mtr	24.16
CTC6B/10	6-50	black	6	10mtr	24.16
CTC12N/10	12-100	natural	9	10mtr	30.87
CTC12B/10	12-100	black	9	10mtr	30.87
CTC19N/10	15-100	natural	15	10mtr	59.43
CTC19B/10	15-100	black	15	10mtr	59.43
CTC24N	20-130	natural	20	10mtr	59.60
CTC24B	20-130	black	20	10mtr	59.60

Memocab Wire Marking System

Colour Coded Numbers

Part no.	Colour	Number	Pack qty	Price \$
37801	violet	7	600	60.18
37802	orange	3	600	60.18
37803	white	9	600	60.18
37804	grey	8	600	60.18
37805	green	5	600	60.18
37806	yellow	4	600	60.18
37807	brown	1	600	60.18
37808	blue	6	600	60.18
37809	black	0	600	60.18
37810	red	2	600	60.18

Memocab Wire Marking System (cont.)

Black marking on white background numbers and letters

Part no.	Number	Pack qty	Price \$	Part no.	Number	Pack qty	Price \$
37780	0	600	58.77	37838	M	240	24.12
37781	1	600	58.77	37839	N	240	24.12
37782	2	600	58.77	37840	O	240	24.12
37783	3	600	58.77	37841	P	240	24.12
37784	4	600	58.77	37842	Q	240	24.12
37785	5	600	58.77	37843	R	240	24.12
37786	6	600	58.77	37844	S	240	24.12
37787	7	600	58.77	37845	T	240	24.12
37788	8	600	58.77	37846	U	240	24.12
37789	9	600	58.77	37847	V	240	24.12
37826	A	240	24.12	37848	W	240	24.12
37827	B	240	24.12	37849	X	240	24.12
37828	C	240	24.12	37850	Y	240	24.12
37829	D	240	24.12	37851	Z	240	24.12
37830	E	240	24.12	37954	/	240	24.12
37831	F	240	24.12	37955	.	240	24.12
37832	G	240	24.12	37956	+	240	24.12
37833	H	240	24.12	37957	-	240	24.12
37834	I	240	24.12	37958	~	240	24.12
37835	J	240	24.12	37959	...	240	24.12
37836	K	240	24.12	37960		240	24.12
37837	L	240	24.12				

Label Holders

18mm holder takes 7 markers

30mm holder takes 12 markers

To suit cable	18mm holder part no.	Pack qty	Price \$	30mm holder part no.	Pack qty	Price \$
0.25-1.5mm	37936	1000	94.35	37940	500	95.63
0.75-4.0mm	37937	1000	104.61	37941	500	103.51
4.0 - 16mm	37938	500	68.90	37942	200	55.17
16-50mm	37933	500	103.04	37943	200	78.96
50-95mm	37934	200	127.16			
95-300mm	37935	100	95.12			

Please enquire for 500mm and 25m lengths

Memocab Equipment

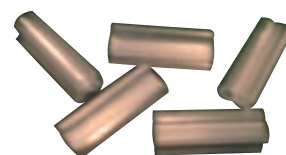
Part no.	Description	Price \$
<i>Double dispenser board</i>		
37991	Holds 48 strips of markers	80.93
<i>Selection prongs</i>		
37990	For 30mm label holders	113.55
37992	For 18mm label holders	113.55
37989	For 30mm and 18mm label holders	15.46
<i>Extractor</i>		
37993	For removal of markers	15.69
<i>Marking kits</i>		
37999	Complete marking kits c/w 1 x dispenser board (37991), 2 x selection prongs (37990/92) 1 x extractor (37993) 50 x label holders (37936) 50 x label holders (37937) 20 x label holders (37938)	215.70
37994	Same as 37999 plus 1 x selection prong (37989) 4 x strips 0-9 (96) 1 x strips a-z (96) 1 x strip symbols (24)	344.83



37808



37781



37936



37989



37999



All earth bars come complete with 2 x M8 studs with flat and spring washers. All bars are manufactured in Australia to Australian standards. All terminal screws come with a domed point to help secure cables

165A Earth bars

Add feet and screws for a Neutral bar combination.

Part no.	Type	Description	Price \$
NE32F006X	6 pole earth bar	6 x 16mm ²	10.61
NE32F012X	12 pole earth bar	12 x 16mm ²	16.03
NE32F018X	18 pole earth bar	18 x 16mm ²	19.08
NE32F024X	24 pole earth bar	24 x 16mm ²	21.11
NE32F030X	30 pole earth bar	30 x 16mm ²	25.06
NE32F036X	36 pole earth bar	36 x 16mm ²	32.62
NE32F042X	42 pole earth bar	42 x 16mm ²	32.68
NE32F048X	48 pole earth bar	48 x 16mm ²	36.29
NE32F060X	60 pole earth bar	60 x 16mm ²	45.94
*NE32F072X	72 pole earth bar	72 x 16mm ²	53.90
*NE32F084X	84 pole earth bar	84 x 16mm ²	75.74
*NE32F096X	96 pole earth bar	96 x 16mm ²	85.84
*NE32F108X	108 pole earth bar	108 x 16mm ²	108.39
NST-06F	6 pole earth bar	6 x M8 studs	21.45
NST-12F	12 pole earth bar	12 X M8 studs	45.15
NST-30F	30 pole earth bar	30 x M8 studs	101.59

*Four mounting holes as standard. For custom numbering, please add 30% to price

165A Neutral Bar Mounting Feet & Screws

Part no.	Description	Price \$
INSF-ST	Mounting feet to suit 165A earth bar (2 required minimum per bar)	3.05
SC-INSFST	Mounting feet screws (1 per mounting foot)	0.68

250A Earth bars

Add feet and screws for a Neutral bar combination.

Part no.	Type	Description	Price \$
NE-250F-P012X	12 pole earth bar	First 2 tunnels accept up to 35mm ² , balance up to 16mm ²	24.83
NE-250F-P018X	18 pole earth bar	First 2 tunnels accept up to 35mm ² , balance up to 16mm ²	33.86
NE-250F-P024X	24 pole earth bar	First 2 tunnels accept up to 35mm ² , balance up to 16mm ²	39.51
NE-250F-P030X	30 pole earth bar	First 2 tunnels accept up to 35mm ² , balance up to 16mm ²	50.79
NE-250F-P036X	36 pole earth bar	First 4 tunnels accept up to 35mm ² , balance up to 16mm ²	62.08
NE-250F-P042X	42 pole earth bar	First 4 tunnels accept up to 35mm ² , balance up to 16mm ²	73.37
NE-250F-P048X	48 pole earth bar	First 4 tunnels accept up to 35mm ² , balance up to 16mm ²	96.62
*NE-250F-P060X	60 pole earth bar	First 4 tunnels accept up to 35mm ² , balance up to 16mm ²	118.52
*NE-250F-P072X	72 pole earth bar	First 4 tunnels accept up to 35mm ² , balance up to 16mm ²	129.81
*NE-250F-P084X	84 pole earth bar	First 4 tunnels accept up to 35mm ² , balance up to 16mm ²	136.58
*NE-250F-P096X	96 pole earth bar	First 4 tunnels accept up to 35mm ² , balance up to 16mm ²	152.38
NST250-06F	6 pole earth bar	6 x M10 studs	34.26

* Four mounting holes as standard. For custom numbering, please add 30% to price

250A & 400A Neutral Bar Mounting Feet & Screws

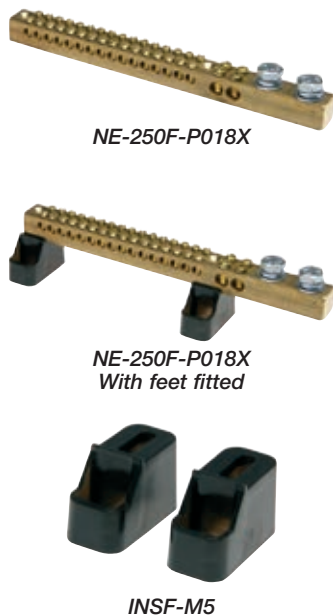
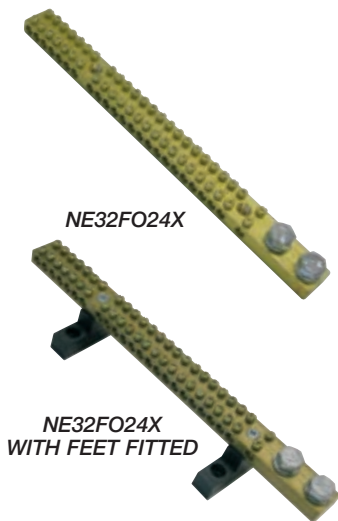
Part no.	Description	Price \$
INSF-M5	Mounting feet to suit 250A earth bar (2 required minimum per bar)	3.05
SC-INSFM5	Mounting feet screws (1 per mounting foot)	0.68

400A Earth Bars

Complete with 2x8mm main studs, 2x35 tunnel terminals.

Part no.	Description	Price \$
NE-400F-P024X	24 pole 400A earth bar	76.15
NE-400F-P036X	36 pole 400A earth bar	105.00
NE-400F-P048X	48 pole 400A earth bar	143.00
NE-400F-P060X	60 pole 400A earth bar	169.00
NE-400F-P072X	72 pole 400A earth bar	197.00
NE-400F-P084X	84 pole 400A earth bar	225.00
NE-400F-P096X	96 pole 400A earth bar	252.00

* Four mounting holes as standard. For custom numbering, please add 30% to price



RCD Adaptors

Compact neutral link. Great for retro fitting of RCD / RCBO units into existing installations

Part no.	Description	Price \$
NRC3DP	3x10mm tunnel terminals for direct connection to an RCD/RCBO	16.37
NRC3DP-INSF	4x10mm tunnel terminals for switchboard mounting	19.19
NRCNLI3	3x10mm neutral link adapter	18.29

Active and Neutral Meter Links

From 100A to 350A. With or without covers. Locally manufactured, Sealing facility on all covers.

When ordering units without covers use suffix - " LC ". Price less cover take off \$0.40c.

All connections are via tunnel terminals. Covered links 100A

Part no.	Description	Price \$
AN100S-5-B	Neutral link 5 x 16mm terminals	18.79
AN100A-5-R	Active link 5 x 16mm terminals	18.79
AN100S-535-B	Neutral link 3 x 35mm & 2 x 16mm terminals	20.94
AN100S-535-R	Active link 3 x 35mm & 2 x 16mm terminals	20.94
AN100S-6-B	Neutral link 6 x 16mm terminals	19.75
AN100S-6-R	Active link 6 x 16mm terminals	19.75
AN100S-635-B	Neutral link 1 x 35mm & 5 x 16mm terminals	21.67
AN100S-635-R	Active link 1 x 35mm & 5 x 16mm terminals	21.67
AN100S-7-B	Active link 7 x 16mm terminals	21.67
AN100S-7-R	Neutral link 7 x 16mm terminals	21.67
AN100S-7BW-B	Neutral link 1 x 35, 4 x 16 & 2 x 16mm back wired	23.87
AN100S-735-B	Neutral link 1 x 35mm & 6 x 16mm terminals	23.87
AN100S-735-R	Active link 1 x 35mm & 6 x 16mm terminals	23.87
AN100M-10-B	Neutral link 10 x 16mm terminals	24.83
AN100M-10-R	Active link 10 x 16mm terminals	24.83
AN100M-1035-B	Neutral link 3 x 35mm & 7 x 16mm terminals	29.07
AN100M-1035-R	Active link 3 x 35mm & 7 x 16mm terminals	29.07
AN100M-1335-B	Neutral link 2 x 35mm & 11 x 16mm terminals	30.81
AN100M-1335-R	Active link 2 x 35mm & 11 x 16mm terminals	30.81
AN100M-18B	Neutral link 6 x 16mm & 11 x 10mm terminals	31.49
AN100M-18R	Active link 6 x 16mm & 11 x 10mm terminals	31.49
AN250V	Neutral link 2 x 35mm, 2 x 25mm angled main terminal	54.58

Covered T Links 140A

AN140-4T35-B	Neutral "T" link 1 x 35mm, 2 x 35mm & 1 x 25mm terminals	28.28
AN140-4T35-R	Active "T" link 1 x 35mm, 2 x 35mm & 1 x 25mm terminals	28.28

Covered Links 165A

AN165-7-B	Neutral link 2 x 50mm, 1 x 35mm, 2 x 25mm & 2 x 16mm terminals	57.23
AN165-7-R	Active link 2 x 50mm, 1 x 35mm, 2 x 25mm & 2 x 16mm terminals	57.23
AN165-13-B	Neutral link 2 x 50mm, 1 x 35mm, 4 x 25mm, 4 x 16mm & 2 x 10mm terminals	61.74
AN165-13-R	Active link 2 x 50mm, 1 x 35mm, 4 x 25mm, 4 x 16mm & 2 x 10mm terminals	61.74

Covered Links 350A

AN350-4-B	Neutral link 4 x 50mm terminals	89.57
AN350-4-R	Active link 4 x 50mm terminals	89.57
AN350-7-B	Neutral link 2 x 150mm, 2 x 50mm, 2 x 35mm & 1 x 16mm terminals	71.11
AN350-7-R	Active link 2 x 150mm, 2 x 50mm, 2 x 35mm & 1 x 16mm terminals	71.11
AN350-8-B	Neutral link 2 x 150mm & 6 x 50mm terminals	94.31
AN350-8-R	Active link 2 x 150mm & 6 x 50mm terminals	94.31
AN350-13-B	Neutral link 2 x 150mm, 1 x 35mm & 10 x 16mm terminals	78.56
AN350-13-R	Active link 2 x 150mm, 1 x 35mm & 10 x 16mm terminals	78.56

Line Taps

Tinned by request. Durable and strong. Drilled and tapped base. From 16mm to 185mm sq

Part no.	Description	Price \$
BLT-22	16mm sq c/w drilled and tapped base	3.33
BLT-24	35mm sq c/w drilled and tapped base	4.80
BLT-25	50mm sq c/w drilled and tapped base	9.26
BLT-26	95mm sq c/w drilled and tapped base	9.99
BLT-28	185mm sq c/w drilled and tapped base	28.39



NRC3DP



NRC3DP-INSF



AN100S-5-R



AN165-7-B



AN250V



AN350-7-R



AN350-13-B



BLT-24

Eureka

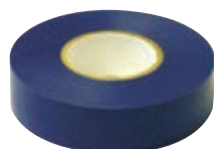


SM25, SM35, SM51, SM76

Busbar Insulators

Arc quenching and non tracking. Hi di-electric strength. Moulded in brass thread. 8 - 25 kV breakdown voltage. 1000V track resistance.

Part no.	Tensile strength (lbs)	Torque strength (ft lbs)	Voltage withstand (Kv)	Screw thread	Price \$
SM-25-M5	500	8	8	5	6.94
SM-25-M6	500	8	8	6	6.94
SM-30-M8	550	8	8	8	8.13
SM-30-M10	550	8	8	10	8.13
SM-35-M8	600	10	10	8	8.13
SM-35-M10	600	10	10	10	8.13
SM-40-M8	800	15	10	8	9.09
SM-40-M10	800	15	10	10	9.09
SM-51-M8	1000	20	15	8	9.99
SM-51-M10	1000	20	15	10	9.99
SM-51-M12	1000	20	15	12	9.99
SM-63-M10	1250	30	15	10	12.59
SM-76-M8	1500	40	25	8	20.66
SM-76-M10	1500	40	25	10	20.66
SM-76-M12	1500	40	25	12	20.66



PVCT-BL

PVC Tape

Colours- Black(bk), Red(rd), Blue(bl), White(w) Green yellow(gy)
pvctmix - rainbow pack with 2 rolls of each colour per pack

Part no.	Length	Pack qty	Price \$ per Pack
PVCT (Colour)	20	10	19.80
PVCTMIX	20	10	17.27
PVCTPACK (Colour)	20	10	17.27



Cubicle lights

- 240V/AC input
- Double insulated PC housing
- High efficiency SMD LED chip
- Built - in LED driver
- 1.2m flex & plug and On/Off Switch
- Surface mounted linkable LED
- Opal polycarbonate diffuser
- Seamless light output
- Non dimmable
- IP20

Comes with mounting bracket, straight connector, 10cm flexible connector, 1.2mt flex & plug



CL345DLFP



CL570DLFP

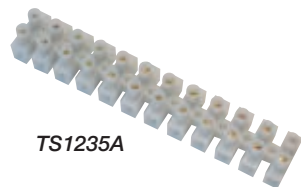
Part no.	Description	Price \$
CL345DLFP	Linkable LED Cubicle Light 3.6W 240V 345mm Long, 5000K Daylight Width 22mm, Height 42.5mm, Length 344mm	75.85
CL570DLFP	Linkable LED Cubicle Light 6.6W 240V 570mm Long, 5000K Daylight L570, Width 22mm, Height 42.5mm, Length 571mm	80.10

Economy Type Terminal Strips

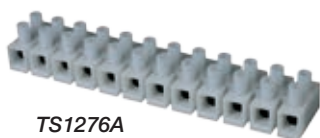
Polyamide 66, UL 94V-2 flame retardant housing.

Nickel-plated brass contacts with or without steel wire protectors.

Recessed screws and tubular contacts provide added safety and help prevent short circuits.



TS1235A



TS1276A

Part no.	Description	A rating @ 450V	No. ways	Price \$
TS126A	1.5mm terminal strip	17.5	12	5.64
TS1210A	2.5mm terminal strip	24	12	6.32
TS1235A	6mm terminal strip	41	12	7.56
TS1250A	10mm terminal strip	57	12	9.03
TS1276A	16mm terminal strip	76	12	18.23
TS12101A	25mm terminal strip	101	12	31.55

Premium Terminal Range

Din rail mounted. From 2.5mm to 50mm. Easily accessible terminal screws. Snap positive fit to din rail. Wide range of accessories. All terminals rated at 800V and 5kV rated impulse voltage. Refer p.78 for Din rail.

Terminals

Part no.	Cable size mm	H x W x D	A rating	Colour	Box qty	Price \$
TBU-2.5N	2.5	48 x 48 x 5.2	24	Grey	100	1.81
TBU-4N	4	48 x 48 x 6.2	32	Grey	100	2.20
TBU-4NB	4	48 x 48 x 6.2	32	Blue	100	2.20
TBU-4NR	4	48 x 48 x 6.2	32	Red	100	2.20
TBU-6N	6	48 x 48 x 8.2	41	Grey	50	2.71
TBU-10N	10	48 x 48 x 10.2	57	Grey	50	3.89
TBU-16N	16	48 x 48 x 12	76	Grey	50	6.15
TBU-35N	35	65 x 56 x 16	125	Grey	50	8.01
TBU-50N	50	83 x 72 x 20	150	Grey	10	21.45
TBU-70N	70	83 x 72 x 20	200	Grey	10	26.69

Earth Terminals

Part no.	Cable size mm	H x W x D	A rating	Box qty	Price \$
TBE-2.5N	2.5	48 x 47 x 6.2	24	100	11.51
TBE-4N	4	48 x 47 x 7.2	32	100	11.51
TBE-6N	6	48 x 47 x 8.8	41	100	13.71
TBE-10N	10	48 x 47 x 11	57	50	16.03
TBE-16N	16	49 x 47 x 12.4	76	50	23.65
TBE-35N	35	64 x 55 x 17	135	20	27.09

Fused Terminals - M205

Part no.	Cable size mm	Description	A rating	Box qty	Price \$
TBFV-1	10	10~30V AC/DC	10A	50	16.03
TBFV-2	10	110~250VAC	10A	50	16.03

Terminal Labels

Part No.	Description	Box qty	Price \$
<i>To suit 2.5mm terminals</i>			
TBU2.5N-A	Blank	100	12.70
TBU2.5N-A1	1	100	12.70
TBU2.5N-A2	2	100	12.70
TBU2.5N-A3	3	100	12.70
TBU2.5N-A4	4	100	12.70
TBU2.5N-A5	5	100	12.70
TBU2.5N-A6	6	100	12.70
TBU2.5N-A7	7	100	12.70
TBU2.5N-A8	8	100	12.70
TBU2.5N-A9	9	100	12.70
TBU2.5N-A0	0	100	12.70
TBU2.5N-A0110	1 ~ 10	100	12.70
TBU2.5N-AL	L1,L2,L3,N,PE	100	12.70
TBU2.5N-AU	U,V,W,N	100	12.70
<i>To suit 4mm terminals</i>			
TBU4N-A	Blank	100	12.70
TBU4N-A1	1	100	12.70
TBU4N-A2	2	100	12.70
TBU4N-A3	3	100	12.70
TBU4N-A4	4	100	12.70
TBU4N-A5	5	100	12.70
TBU4N-A6	6	100	12.70
TBU4N-A7	7	100	12.70
TBU4N-A8	8	100	12.70
TBU4N-A9	9	100	12.70
TBU4N-A0	0	100	12.70
TBU4N-A0110	1 ~ 10	100	12.70
TBU4N-AL	L1,L2,L3,N,PE	100	12.70
TBU4N-AU	U,V,W,N	100	12.70



Premium Terminal Range



TBE-4N



TBFV-1



TBU2.5N-A9



TBU2.5N-AE



TBU2.5N-AN



TBu2.5N-H

Terminal End Plates & Barriers

Part No.	Description	Box qty	Price \$
TBU2.5N-H	End plate to suit TBU2.5N to TBU16N	100	1.35
TBU35N-H	End plate to suit TBR-35N	100	3.22
TBU2.5N-K	Partition barrier to suit TBU2.5N to TBU16N		

Terminal End Clamps

Part No.	Description	Box qty	Price \$
TBU2.5N-F	End clamp to suit TBU2.5N to TBU35N	50	1.64
TBU35N-F	End clamp to suit TBU70N	50	3.78

Terminal Bridging Bars (Mounts to top of terminal)

32A rating

Please enquire for bridging bars above 4mm

Part No.	Description	Box qty	Price \$
TBU2.5N-CU2	2 way bridging bar to suit TBU-2.5N	50	2.82
TBU2.5N-CU3	3 way bridging bar to suit TBU-2.5N	50	4.18
TBU2.5N-CU4	4 way bridging bar to suit TBU-2.5N	50	5.59
TBU2.5N-CU10	10 way bridging bar to suit TBU-2.5N	20	13.83
TBU4N-CU2	2 way bridging bar to suit TBU-4N	50	3.05
TBU4N-CU3	3 way bridging bar to suit TBU-4N	50	4.63
TBU4N-CU4	4 way bridging bar to suit TBU-4N	50	6.10
TBU4N-CU10	10 way bridging bar to suit TBU-4N	20	15.24

Terminal Commoning Bars (Mounts to front of terminal)

32A rating

Please enquire for commoning bars above 4mm

Part No.	Description	Box qty	Price \$
TBU2.5N-CS2	2 way commoning bar to suit TBR-2.5N	50	2.82
TBU2.5N-CS3	3 way commoning bar to suit TBR-2.5N	50	4.18
TBU2.5N-CS4	4 way commoning bar to suit TBR-2.5N	50	5.64
TBU2.5N-CS10	10 way commoning bar to suit TBR-2.5N	20	13.83
TBU4N-CS2	2 way commoning bar to suit TBR-4N	50	3.05
TBU4N-CS3	3 way commoning bar to suit TBR-4N	50	4.63
TBU4N-CS4	4 way commoning bar to suit TBR-4N	50	6.10
TBU4N-CS10	10 way commoning bar to suit TBR-4N	20	15.24

Bi Metal Terminals

Suitable for joining between copper and aluminium cables

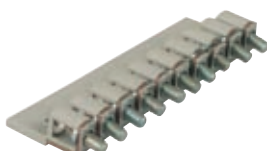
Compact in size, pre-greased with anti-oxidation compound, can be din mounted and or base mounted

Great to use as incoming terminal block to avoid using Bi metal lugs.

Housing constructed from Polyamide material and body/screws constructed from Tin-coated Aluminium.

Nominal voltage rating at 750V and amps 160A-425A

Part no.	Suits cables		Color	A rating		Price \$
	Copper	Aluminium		Copper	Aluminium	
KE61	2.5-50mm ²	6-50mm ²	grey	160	145	40.07
KE61.2	2.5-50mm ²	6-50mm ²	blue	160	145	42.00
KE61.3	2.5-50mm ²	6-50mm ²	gr/yellow	160	145	42.00
KE62	16-95mm ²	16-95mm ²	grey	245	220	65.52
KE62.2	16-95mm ²	16-95mm ²	blue	245	220	67.50
KE62.3	16-95mm ²	16-95mm ²	gr/yellow	245	220	67.50
KE63	35-150mm ²	35-150mm ²	grey	320	290	98.31
KE63.2	35-150mm ²	35-150mm ²	blue	320	290	98.31
KE63.3	35-150mm ²	35-150mm ²	gr/yellow	320	290	98.31
KE64	35-240mm ²	35-240mm ²	grey	425	380	157.80
KE64.2	35-240mm ²	35-240mm ²	blue	425	380	162.00
KE64.3	35-240mm ²	35-240mm ²	gr/yellow	425	380	162.00



TBu2.5N-CU10



Saves Your Energy

**IMPROVED
& EXPANDED
RANGE**


Economy Terminals

From 2.5 to 70mm. Includes earth terminals, Jumper bars
Din rail mount. Grey, red and blue in 4mm
Refer p.78 for Din rail.

Terminals

Part no.	Description	Price \$
ATB-2.5	2.5mm terminal	1.75
ATB-4	4mm terminal	1.81
ATB-4R	4mm red terminal	1.81
ATB-4B	4mm blue terminal	1.81
ATB-6	6mm terminal	2.48
ATB-10	10mm terminal	3.61
ATB-16	16mm terminal	4.90
ATB-35	35mm terminal	7.00
ATB-70	70mm terminal	16.82

* 70mm Terminal is double sided protected (does not require end cap)

Earth Terminals

Part no.	Description	Price \$
ATE-4	4mm earth terminal	11.51
ATE-6	6mm earth terminal	13.71
ATE-10	10mm earth terminal	16.03
ATE-16	16mm earth terminal	23.65

Terminal End Caps

Part no.	Description	Price \$
EC4	2.5mm and 4mm end plate	0.96
EC6	6mm end plate	1.07
EC10	10mm end plate	1.30
EC16	16mm end plate	1.58
EC35	35mm end plate	3.27

Terminal End Clamps

Part no.	Description	Price \$
ESI	Din and G rail clamp	1.58
2005.2	Din rail clamp	1.92

Terminals Accessories

Part no.	Description	Price \$
AT-JB-2.5-70	70 way jumper bar 2.5mm terminal	115.58
AT-JB-2.5-10	10 way jumper bar 2.5mm terminal	17.89
AT-JB-4.0-10	10 way jumper bar 4.0mm terminal	17.89
AB1-G-(letter)	Terminal letters (250)	52.26
AB1-R-(number)	Terminal numbers (250)	52.26

CT Disconnection Links

Part no.	Description	Price \$
GKU2W16-CT	CT Disconnection terminal, set of 2	21.00

Eureka



ATE-4



EC4



EC16



AT-JB-2.5-10



AB1....



Related products:



Phoenix Terminals
p.176



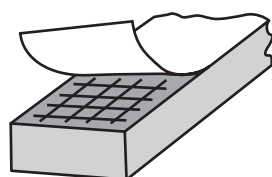
Service Fuses
p.210



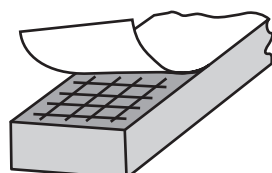
Fuse Switches
p.210



Phoenix Hybrid
Motor Starters
p.191



MULTIFOAM



DURAFOAM



PORCELAIN TERMINAL BLOCKS



TBC-100

Self Adhesive Foam Tape - Multifoam

Dark grey. Material - Polyethylene closed cell

Part no.	Thickness mm	Width mm	Length per roll (m)	Price \$ per roll
MF7492/39	3	9	25	18.95
MF7492/312	3	12	25	22.35
MF7492/318	3	18	25	31.85
MF7492/324	3	24	25	40.60
MF7493/612	6	12	15	18.80
MF7493/618	6	18	15	26.00
MF7493/624	6	24	15	34.00
MF7495/1224	12	24	7	33.75

Self Adhesive Foam Tape - Durofoam

Black. Material - Natural rubber closed cell

Part no.	Thickness mm	Width mm	Length per roll (m)	Price \$ per roll
DF61102/312	3	12	25	68.20
DF61104/612	6	12	15	63.50
DF61104/624	6	24	15	101.75

Porcelain Terminal Blocks

Suited for high temperature applications such as- Furnaces, Ovens, Halogen Lighting, Heaters

Part no.	A	Description	Dimensions	Price \$
B1012	10	1 wire connection	22x12x16	3.67
B3012	30	1 wire connection	29x18x21	4.91
B6012	60	1 wire connection	23x19x21	5.64
B1025	10	2 wire connection with mounting hole	23x19x18	4.18
B1525	15	2 wire connection with mounting hole	32x23x21	4.18
B3025	30	2 wire connection with mounting hole	34x29x21	5.42
B1038	10	3 wire connection with mounting hole	39x19x17	4.52
B1538	15	3 wire connection with mounting hole	54x24x20	5.19
B3038	30	3 wire connection with mounting hole	52x29x22	5.98
B05410	10	4 wire connection with mounting hole	57x19x15	5.42

Cassette Type Terminal Blocks

Individual blocks can be joined to required number of terminals needed.

Base mount, no need for DIN rail. Price shown is for individual blocks.

Part no.	Description	Price \$
TBCN-10	10A Terminal Block	0.96
TBCN-20	20A Terminal Block	1.07
TBCN-30	30A Terminal Block	1.35
TBC-60	60A Terminal Block	4.29
TBC-100	100A Terminal Block	10.16
TBC-200	200A Terminal Block	16.08
TBC-300	300A Terminal Block	33.75
TBCN-10E	End Plate for TBCN-10	1.19
TBCN-20E	End Plate for TBCN-20	1.19
TBCN-30E	End Plate for TBCN-30	1.19
TBC-60E	End Plate for TBC-60	3.39
TBC-100E	End Plate for TBC-100	4.18
TBC-200E	End Plate for TBC-200	8.80
TBC-300E	End Plate for TBC-300	16.20

Cu-flex bars don't require any drilling, cutting, stripping etc, they are supplied ready for use
Braided copper wires formed into a flexible busbar. Ends are forged into a solid unit to enable maintenance free connections. Type tested according to IEC, UL and DNV
Uses include - Internal switchboard connections, Battery paralleling connections, UPS connections, Electrical component connections.

Refer attached table on page 91 for fault level tech data information

Cu-Flex Flexible Busbars

FB25, FB50, FB100, FB240 black insulation. FB25, FB50 green/yellow insulation.

For connection between busbars or electrical components. Can be connected in parallel using 2 or 3 pieces. Spacer units for Ka fault protection available diagram of bar sizes here. Connection adaptors for solid busbar available. Maximum permissible busbar temperature is 105°C. From 160mm to 1120mm length. Please enquire for power loss data at temperature.

(3) Also available in green/yellow insulation

Part no.	Length	(kA) Short circuit withstand using spacers	(A) Amp rating at 40° when connecting:			Price \$
			Busbar to Busbar	Busbar to Component	Component to Component	
FB25160 (3)	160	24	145	165	140	10.33
FB25224 (3)	224	24	145	165	140	4.97
FB25288 (3)	288	24	145	165	140	15.52
FB25352 (3)	352	24	145	165	140	18.23
FB25416 (3)	416	24	145	165	140	20.88
FB25480 (3)	480	24	145	165	140	23.59
FB25544	544	24	145	165	140	26.24
FB25608	608	24	145	165	140	28.95
FB25672	672	24	145	165	140	31.61
FB25736	736	24	145	165	140	34.26
FB25800	800	24	145	165	140	36.97
FB25864	864	24	145	165	140	39.68
FB25928	928	64	145	165	140	42.33
FB251120	1120	64	145	165	140	59.88
FB50160 (3)	160	64	220/375*/430**	260/445*/510**	220/370*/425**	14.05
FB50224 (3)	224	64	220/375*/430**	260/445*/510**	220/370*/425**	18.29
FB50288 (3)	288	64	220/375*/430**	260/445*/510**	220/370*/425**	22.52
FB50352 (3)	352	64	220/375*/430**	260/445*/510**	220/370*/425**	26.69
FB50416 (3)	416	64	220/375*/430**	260/445*/510**	220/370*/425**	30.87
FB50480 (3)	480	64	220/375*/430**	260/445*/510**	220/370*/425**	34.99
FB50544	544	64	220/375*/430**	260/445*/510**	220/370*/425**	39.34
FB50608	608	64	220/375*/430**	260/445*/510**	220/370*/425**	43.51
FB50672	672	64	220/375*/430**	260/445*/510**	220/370*/425**	47.75
FB50736	736	64	220/375*/430**	260/445*/510**	220/370*/425**	51.92
FB50800	800	64	220/375*/430**	260/445*/510**	220/370*/425**	56.21
FB50864	864	64	220/375*/430**	260/445*/510**	220/370*/425**	60.39
FB50928	928	64	220/375*/430**	260/445*/510**	220/370*/425**	115.36
FB501120	1120	64	220/375*/430**	260/445*/510**	220/370*/425**	64.56
FB100160	160	64	335/545*	400/650*	335/545*	22.29
FB100224	224	64	335/545*	400/650*	335/545*	29.69
FB100288	288	64	335/545*	400/650*	335/545*	37.19
FB100352	352	64	335/545*	400/650*	335/545*	44.53
FB100416	416	64	335/545*	400/650*	335/545*	52.09
FB100480	480	64	335/545*	400/650*	335/545*	62.65
FB100544	544	64	335/545*	400/650*	335/545*	66.93
FB100608	608	64	335/545*	400/650*	335/545*	74.38
FB100672	672	64	335/545*	400/650*	335/545*	81.83
FB100736	736	64	335/545*	400/650*	335/545*	89.34
FB100800	800	64	335/545*	400/650*	335/545*	99.05
FB100864	864	64	335/545*	400/650*	335/545*	104.18
FB100928	928	64	335/545*	400/650*	335/545*	111.63
FB1001120	1120	64	335/545*	400/650*	335/545*	141.43
FB240288	288	64/105†	565/870*	670/1035*	560/865*	82.29
FB240352	352	65/105†	565/870*	670/1035*	560/865*	99.84
FB240416	416	66/105†	565/870*	670/1035*	560/865*	117.33
FB240480	480	67/105†	565/870*	670/1035*	560/865*	134.89
FB240544	544	68/105†	565/870*	670/1035*	560/865*	152.10
FB240608	608	69/105†	565/870*	670/1035*	560/865*	169.99
FB240672	672	70/105†	565/870*	670/1035*	560/865*	187.03
FB240736	736	71/105†	565/870*	670/1035*	560/865*	205.04
FB2401120	1120	72/105†	565/870*	670/1035*	560/865*	354.60

† when using 2 pieces * when using 2 pieces, ** when using 3 pieces

CUBIC



CUBIC**Mini-Flex Flexible Busbars**

FB06, FB10, FB16 with black insulation. With 8.5mm hole at one end of bar and ferrule connection at other end. For connecting between main switch bolt connection and MCB terminal connections. Ideal for adding larger MCB,S to DB,S without the need of a hybrid chassis. Maximum permissible busbar temperature is 90°C. From 160mm to 928mm length.

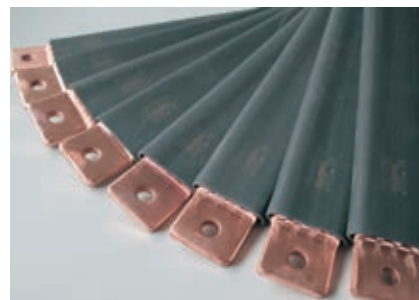
Please enquire for power loss data at temperature

Refer attached table on page 91 for fault level tech data information



FB10480

Part no.	Length	Short circuit withstand (kA)	(A) Amp rating at 40°C when connecting between busbar and component (*) when using 2 pieces	Price \$
FB06160	160	11	45	11.57
FB06224	224	11	45	12.70
FB06288	288	11	45	14.05
FB06352	352	11	45	15.63
FB06416	416	11	45	16.99
FB06480	480	11	45	18.12
FB06544	544	11	45	19.70
FB06608	608	11	45	20.83
FB06672	672	11	45	23.08
FB06736	736	11	45	24.21
FB06800	800	11	45	25.28
FB06864	864	11	45	26.41
FB06928	928	11	45	27.49
FB10160	160	11	65	12.92
FB10224	224	11	65	14.67
FB10288	288	11	65	16.54
FB10352	352	11	65	18.74
FB10416	416	11	65	20.83
FB10480	480	11	65	22.46
FB10544	544	11	65	24.78
FB10608	608	11	65	26.19
FB10672	672	11	65	29.63
FB10736	736	11	65	31.21
FB10800	800	11	65	33.02
FB10864	864	11	65	34.65
FB10928	928	11	65	36.35
FB16160	160	11	90 / 155 *	14.50
FB16224	224	11	90 / 155 *	16.76
FB16288	288	11	90 / 155 *	19.41
FB16352	352	11	90 / 155 *	22.35
FB16416	416	11	90 / 155 *	25.28
FB16480	480	11	90 / 155 *	27.43
FB16544	544	11	90 / 155 *	30.81
FB16608	608	11	90 / 155 *	33.02
FB16672	672	11	90 / 155 *	37.36
FB16736	736	11	90 / 155 *	39.79
FB16800	800	11	90 / 155 *	42.16
FB16864	864	11	90 / 155 *	44.70
FB16928	928	11	90 / 155 *	47.29



Spacers

To be used when busbars are used at a distance of more than 300mm
Supports to suit all size bars. Insulated material.

Part no.	To suit bar type	Description	Price \$
FS2550	FB25	Spacer to be used every 300mm. 1 unit per 3 bars (3 phases)	7.96
FS5050	FB50	Spacer to be used every 300mm. 1 unit per 3 bars (3 phases)	10.55
FS5064	FB50 *	Spacer to be used every 300mm. 1 unit per 3 bars (3 phases)	10.55
FS10056	FB100	Spacer to be used every 300mm. 1 unit per 3 bars (3 phases)	10.55
FS24064	FB240	Spacer to be used every 300mm. 1 unit per 3 bars (3 phases)	12.64

* To be used when required distance between busbars is not the standard 50mm, but 64mm.

CUBIC



Terminal Insulation Shroud

Complete with test points.
Used to protect exposed copper at point of termination.

Part no.	Description	Price \$
3025-0000	Insulation shroud to suit all size Cu-flex bars	16.31



3025-0000

Cu-flex specification

Type No.	FB25	FB50	FB50	FB50	FB100	FB100	FB240	FB240
Number of busbars	1	1	2	3	1	2	1	2
Rated operational voltage, U _e (IEC)	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Rated voltage (UL)	600 V	600 V	600 V	600 V	600 V	600 V	600 V	600 V
Rated frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz

Short-circuit withstand strength

Cut off current ^{1) 2)}	24 kA	64 kA	64 kA	64 kA	64 kA	64 kA	64 kA	105 kA
Cut off current ^{1) 2)}	24 kA	64 kA	64 kA	64 kA	64 kA	64 kA	64 kA	64 kA
Joule integrale, I ² t [A ² s] (IEC)	2.1x10 ⁷	6.0x10 ⁷	2.4x10 ⁸	5.4x10 ⁸	2.4x10 ⁸	9.6x10 ⁸	1.3x10 ⁹	5.5x10 ⁹

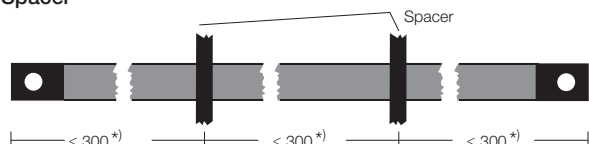
¹⁾ Due to the dynamic short-circuit influences, support must be fitted as stated. ²⁾ At a prospective short-circuit current, the short-circuit protection devices must limit the peak to 24 kA respectively 64 kA.

Insulation characteristics

Rated Voltage (IEC)	100 V	Operating temperature	Max. 105 °C
Rated Voltage (UL)	600 V	Flammability	UL 94 Vo (flame retardant)
Test Voltage	3500 V	Colour	Black/dark grey or green/yellow
Test voltage (UL)	200 V	Dioxine	None
Insulation Class		Reinforced insulation for busbar to electrical component and between electrical components	

Mounting principles

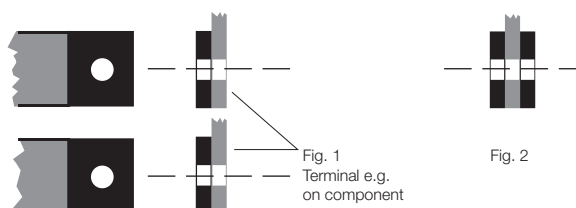
Spacer



Due to the dynamic short-circuit influences, spacers must be fitted as stated. The distance between the spacers is max. 300 mm.

*) When Cu-flex is used according to UL standards, connection busbar to busbar, the distance is reduced to 200mm.

Busbar connections at I > 630 A



To ensure correct contact pressure, parallel busbars must be fitted, either by means of one bolt per busbar, fig. 1, or one on each side of the connecting terminal, fig. 2.



Aluminium construction. IP65
Locking and non locking. Clockwise and anti clockwise.
Please enquire for other items in this range.



THL7LNL



THS7L



LH7L



SL8



SHBC



HN80C

Part no.	Description	Price \$
THL7L	T large handle lock	22.07
THL7NL	T large handle non locking	22.07
THS7L	T small handle lock	22.07
THS7NL	T small handle non locking	21.05
LH7L	L handle lock	26.64
LH7NL	L handle non locking	25.96
LH7CPL	Padlockable clockwise	40.30
LH7ACPL	Padlockable anti clockwise	40.30
CAM88	Cam diecast	3.84
CAM3PL	Cam heavy duty	8.80
SL8*	Quarter turn key lock (any type)	21.20
YL**	Tongue (any type)	2.82
SL8 KEY***	Key quarter turn lock	5.90
CL8K	Cam lock	14.84
TL12	Locking rod	24.27
TL18	Locking rod	28.11
TL24	Locking rod	31.55
TLR12	Roller locking rod	46.22
TLR18	Roller locking rod	50.57
TLR24	Roller locking rod	54.63
SHBC	Swing handle clockwise	104.97
SHBAC	Swing handle anti clockwise	104.97
MSHLK	Swing handle	32.79
DS3P	Door stay	44.42
HN80C	80mm hinge chrome, does not come with keys	7.70
HN80	80mm hinge chrome pin type, with screws	7.70
HN80B	80mm hinge black	7.70
RH1	Rod holder	6.21
THL7L	T large standard key	- 92268
THL7L/001	T large handle key	- 001
THS7L & LH7L	Standard key	- 92268
THS7L & LH7L	Available keys	- 001, 003, 604

* Please enquire for different style quarter turn locks.

** Please choose one of the following tongue lengths -
18mm, 20mm, 22mm, 25mm, 28mm, 32mm, 39mm, 44mm, 47mm, 50mm, 57mm, 60mm

*** Please enquire for different types of quarter turn key locks.

Also available:

- Rubber extrusions
- Eye bolts
- Thumb screws
- D Handles

Related products:



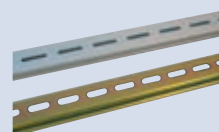
Metering Links
p.83



Loom Tube
p.80



Heat Shrink
p.79



Din Rail
p.78

EATON SWITCHGEAR

X-Start contactors	94
X-Start overloads.....	95
X-Start contactors accessories and wiring kits	96
E-LINE compact contactors	97
E-LINE overloads and accessories	98
Mini Relays	99
Electronic timing modules.....	99
DOL starters & Star delta starters.....	100
Standard and Miniature timing relays.....	101
RMQ Titan 22mm control devices and accessories.....	102
Measuring & monitoring relays and thermistor overload relays.....	110
PKZM0 motor protective circuit breakers.....	112
PKZM4 motor protective circuit breakers.....	112
PKE motor protective circuit breakers	112
PKZM01 motor protective circuit breakers.....	113
Motor protective circuit breaker accessories.....	113
Motor protective circuit breaker enclosures	114
PLS Miniature circuit breakers, switch disconnectors & accessories.	114
Installation contactors.....	117
Residual current devices and combination units	118
NZM Moulded case circuit breakers and accessories.....	119
Eureka 250A and 400A, 6 and 10kA MCB chassis	120
Cam switches.....	123
Easy control relays	124
Uninterruptible power supplies	125



DILEM-10



DILM15-10



DILM32-01



DILM40



DILM80



DILM185



DILM225



DILM580



DILM750

Contactors X-Start Range

Mini Contactors DIL EM...

Compact design: 45(w) x 58(h) x 52(d) mm. Easy mounting: screw fixing or snap-on top-hat rail.
Four-pole units and units for resistive loads also available.
Low power consumption, ideal programmable controller interface.
Protection against fingers - IP20

Standard Frame Contactors DILM

From 7A to 820A AC-3. Top and side mount auxiliary contacts available.
Snap fit onto top hat rail to size DILM65. Same frame size for AC and DC units. 50hz rating.
DC operated units feature integrated suppressor circuit (DILM-7 - DILM-115)
Four different frame sizes up to 150A. Units up to 32A have in built auxiliary contact.
Reversing and Star Delta units are available with integral reversing connections.
Four pole units available. Worldwide approvals including IEC 60 947.

Part no.	415 Kw rating	AC3 rating at 415V	AC1 rating at 415V	Auxiliary Contacts	Price \$ AC units	Price \$ DC units
DILEM-10(...V)*	4	8.8A	16A	1 N/O	111.45	202.80
DILEM-01(...V)*	4	8.8A	16A	1 N/C	111.45	202.80
DILM7-10(...V)	3	7	20	1 N/O	118.26	154.23
DILM7-01(...V)	3	7	20	1 N/C	118.26	154.23
DILM9-10(...V)	4	9	20	1 N/O	136.57	187.86
DILM9-01(...V)	4	9	20	1 N/C	136.57	187.86
DILM12-10(...V)	5.5	12	20	1 N/O	167.41	228.44
DILM12-01(...V)	5.5	12	20	1 N/C	167.41	228.44
DILM15-10(...V)	7.5	15.5	20	1 N/O	203.84	309.61
DILM15-01(...V)	7.5	15.5	20	1 N/C	203.84	309.61
DILM25-10(...V)	11	25	40	1 N/O	300.84	511.30
DILM25-01(...V)	11	25	40	1 N/C	300.84	511.30
DILM32-10(...V)	15	32	40	1 N/O	406.76	631.98
DILM32-01(...V)	15	32	40	1 N/C	403.76	631.98
DILM40(...V)	18.5	40	50	-	472.41	765.34
DILM50(...V)	22	50	65	-	496.76	936.77
DILM65(...V)	30	65	80	-	737.82	1,195.72
DILM80(...V)	37	80	90	-	914.86	1,346.55
DILM95(...V)	45	95	110	-	1,119.28	1,485.46
DILM115(...V)	55	115	130	-	1,391.52	1,700.66
DILM150(...V)	75	150	160	-	1,681.16	2,215.11
DILM185/22(R...)**	90	185A	200A	2 N/O 2 N/C	2,298.59	2,298.59
DILM225/22(R...)**	110	225A	200A	2 N/O 2 N/C	2,778.47	2,778.47
DILM250/22(R...)**	132	250A	250A	2 N/O 2 N/C	3,844.66	3,844.66
DILM300/22(R...)**	160	300A	310A	2 N/O 2 N/C	4,638.23	4,638.23
DILM400/22(R...)**	200	400A	400A	2 N/O 2 N/C	5,200.00	5,200.00
DILM500/22(R...)**	250	500A	480A	2 N/O 2 N/C	7,418.44	7,418.44
DILM580/22(R...)**	315	580A	565A	2 N/O 2 N/C	9,820.14	9,820.14
DILM650/22(R...)**	355	650A	620A	2 N/O 2 N/C	11,248.90	11,248.90
DILM750/22(R...)**	400	750A	720A	2 N/O 2 N/C	12,527.20	12,527.20
DILM820/22(R...)**	450	820A	750A	2 N/O 2 N/C	16,222.95	16,222.95

Specify one of the following coil voltages

* For DILEM to DILM150; 24VAC, 110VAC, 240VAC; 415VAC 50Hz

- For DC units use suffix-G (eg: DIL...-G(24V DC))

** For DILM185 to DILM820; RDC 48 (24-48VDC); RA 110 (48-110V 40-60Hz DC);
RA 250 (110-250V 40-60Hz DC); RAC 500 (250-500V 50-60Hz)

Please enquire for other special voltages and dimensions



Overloads to suit Moeller X-Start Contactors

Separate mount overloads and stand alone mounting brackets available

With 1 phase sensitivity. Standard auto or manual reset button

Direct fit up to DILM150

ZB150-...KK is a separate mount type overload. Please enquire for contactor mounted units.

Part no.	Suits contactor	Setting Range A	Price \$
ZE-0.16	DILEM	0.1 - 0.16	124.30
ZE-0.24	DILEM	0.16 - 0.24	124.30
ZE-0.4	DILEM	0.24 - 0.4	124.30
ZE-0.6	DILEM	0.4 - 0.6	124.30
ZE-1	DILEM	0.6 - 1	124.30
ZE-1.6	DILEM	1 - 1.6	124.30
ZE-2.4	DILEM	1.6 - 2.4	124.30
ZE-4	DILEM	2.4 - 4	124.30
ZE-6	DILEM	4 - 6	124.30
ZE-9	DILEM	6 - 9	124.30
<hr/>			
ZB12-0.16	DILM7 to DILM15	0.1 - 0.16	154.54
ZB12-0.24	DILM7 to DILM15	0.16 - 0.24	154.54
ZB12-0.4	DILM7 to DILM15	0.24 - 0.4	154.54
ZB12-0.6	DILM7 to DILM15	0.4 - 0.6	154.54
ZB12-1	DILM7 to DILM15	0.6 - 1	154.54
ZB12-1.6	DILM7 to DILM15	1 - 1.6	154.54
ZB12-2.4	DILM7 to DILM15	1.6 - 2.4	154.54
ZB12-4	DILM7 to DILM15	2.4 - 4	154.54
ZB12-6	DILM7 to DILM15	4 - 6	154.54
ZB12-10	DILM7 to DILM15	6 - 10	154.54
ZB12-12	DILM7 to DILM15	10 - 12	154.54
ZB12-16	DILM7 to DILM15	12 - 16	154.54
<hr/>			
ZB32-0.16	DILM25 to DILM32	0.1 - 0.16	156.41
ZB32-0.24	DILM25 to DILM32	0.16 - 0.24	156.41
ZB32-0.4	DILM25 to DILM32	0.24 - 0.4	156.41
ZB32-0.6	DILM25 to DILM32	0.4 - 0.6	156.41
ZB32-1	DILM25 to DILM32	0.6 - 1	171.49
ZB32-1.6	DILM25 to DILM32	1 - 1.6	171.49
ZB32-2.4	DILM25 to DILM32	1.6 - 2.4	171.49
ZB32-4	DILM25 to DILM32	2.4 - 4	171.49
ZB32-6	DILM25 to DILM32	4 - 6	171.49
ZB32-10	DILM25 to DILM32	6 - 10	171.49
ZB32-16	DILM25 to DILM32	10 - 16	171.49
ZB32-24	DILM25 to DILM32	16 - 24	171.49
ZB32-32	DILM25 to DILM32	24 - 32	171.49
<hr/>			
ZB65-10	DILM40 to DILM65	6 - 10	179.65
ZB65-16	DILM40 to DILM65	10 - 16	179.65
ZB65-24	DILM40 to DILM65	16 - 24	179.65
ZB65-40	DILM40 to DILM65	24 - 40	273.41
ZB65-57	DILM40 to DILM65	40 - 57	349.48
ZB65-65	DILM40 to DILM65	57 - 65	349.48
<hr/>			
ZB150-50	DILM80 to DILM150	35 - 50	423.89
ZB150-70	DILM80 to DILM150	50 - 70	435.22
ZB150-100	DILM80 to DILM150	70 - 100	542.14
ZB150-125	DILM80 to DILM150	100 - 125	614.87
ZB150-150	DILM80 to DILM150	125 - 150	668.25
<hr/>			
ZB32-XEZ	Stand alone mounting base to suit ZB32		32.06
ZB65-XEZ	Stand alone mounting base to suit ZB65		49.84

Please enquire for larger A overloads.

Refer page 111 for thermistor overload relays.



ZE-2.4



ZB12



ZB32



ZB150



22DILEM



DILA-XHI22



DILA-XHI11



DILM150-XHI22



DILM820-XHI 11



DILM12-XSL



DILM32-XSL



DILM12-XSL



DILM32-XRL

Auxiliary Contacts to suit X-Start Range

Part no.	Number of Auxiliaries	Price \$
<i>Top mount. Suitable for DILEM</i>		
11DILEM	1 N/O 1 N/C	29.64
22DILEM	2 N/O 2 N/C	50.36
04DILE	4 N/C	50.36
40DILE	4 N/O	50.36
02DILE	2 N/C	29.64
20DILE	2 N/O	29.64
13DILE	1 N/O 3 N/C	50.36
31DILE	3 N/C 1 N/O	50.36
<i>Top mount. Suitable for DILM7... to DILM32...</i>		
DILA-XHI20	2 N/O	38.71
DILA-XHI11	1 N/O 1 N/C	38.71
DILA-XHI02	2 N/C	36.69
DILA-XHI40	4 N/O	68.65
DILA-XHI31	3 N/O 1 N/C	58.61
DILA-XHI22	2 N/O 2 N/C	68.65
DILA-XHI13	1 N/O 3 N/C	58.61
DILA-XHI04	4 N/C	58.61
<i>Top Mount. Suitable for DILM7... to DILM15... high version</i>		
DILA-XHIT11	1 N/O 1 N/C	36.69
DILA-XHIT02	2 N/C	36.69
DILA-XHIT22	2 N/O 2 N/C	58.60
<i>Side mount. Suitable for DILM17... to DILM32... Can be fitted to the left hand side of the contactor. Cannot be combined with top mount auxiliary contacts or mechanical interlocks</i>		
DILM32-XHI11-S	1 N/O 1 N/C	104.70
<i>Top mount. Suitable for DILM40.. To DILM150...</i>		
DILM150-XHI20	2 N/O	38.71
DILM150-XHI11	1 N/O 1 N/C	38.71
DILM150-XHI02	2 N/C	36.69
DILM150-XHI40	4 N/O	68.65
DILM150-XHI31	3 N/O 1 N/C	58.61
DILM150-XHI22	2 N/O 2 N/C	68.65
DILM150-XHI13	1 N/O 3 N/C	58.61
DILM150-XHI04	4 N/C	58.61
<i>Side mount. Suitable for DILM40 to DILM820 (max . 8 auxiliary contacts)</i>		
DILM820-XHI 11-SI	1 N/O 1 N/C inside mount	104.70
DILM820-XHI 11-SA	1 N/O 1 N/C outside mount	104.70
<i>Side mount. Suitable for DILM40... to DILH2000...</i>		
DILM1000-XHI11-SI	1 N/O 1 N/C	86.97

Mechanical Interlock Including Contactor Connector

Part no.	For use with..	Price \$
DILM12-XMV	DIL7 - DILM15	20.05
DILM32-XMV	DILM17 - DILM32	20.36
DILM65-XMV	DILM40 - DILM65	42.04
DILM150-XMV	DILM80 - DILM150	195.00
MVDILE	EM	23.40
DILM500-XMV	3M80 to M500	110.09
DILM820-XMV	M580 to M820	1,044.94

Moeller X-Start Wiring Kits

Star delta wiring kits. Main current wiring for start delta combination (Includes star point bridge)

Part no.	Description	Price \$
DILM12-XSL	For use with DILM 7/9/12/15 mains/delta & star contactors	46.21
DILM32-XSL	For use with DILM 17/25/32 mains/delta & star contactors	69.38
DILM65-XSL	For use with DILM 40/50/65 mains/delta & star contactors	97.19

Reversing starter wiring kits Main current wiring for reversing combination

Part no.	Description	Price \$
MVS-WB-EM	For use with DILEM	42.04
DILM12-XRL	For use with DILM7/9/12	51.02
DILM32-XRL	For use with DILM17/25/32	75.37
DILM65-XRL	For use with DILM40/50/65	119.18



Contactors E-Line Range

The E-Line range of contactors are an innovative range for use where space saving is required eg: Mechanical services control panels.

With the A1 and A2 coil connection at the top of the contactor, all control wiring can be kept in the one area.

The overloads are easily fitted with a snap fit connection of the 3 phases.

From 7 Amps to 95 Amps across 4 frame sizes.

Coil voltages are available in 24VAC, 220VAC and 380VAC.

All coils have a -15% to + 10% tolerance which suits voltages required in the Australian market.

Contactors do not come with on board Auxiliary contacts, these need to be ordered separately.



Frame size specifications -

7-12 Amps are 27mm wide - Frame Size 1

18-38 Amps are 36mm wide - Frame Size 2

40-65 Amps are 55mm wide - Frame Size 3

80-95 Amps are 72mm wide - Frame Size 4

Part no.	Coil Voltage	380VAC kW rating	AC3 rating at 415VAC @40°C	AC1 rating at 415VAC @40°C	Price \$
XTCG007B00B2	24VAC	3	7	20	75.00
XTCG007B00AO	220VAC	3	7	20	75.00
XTCG007B00AR	380VAC	3	7	20	75.00
XTCG009B00B2	24VAC	4	9	20	87.50
XTCG009B00AO	220VAC	4	9	20	87.50
XTCG009B00AR	380VAC	4	9	20	87.50
XTCG012B00B2	24VAC	5.5	12	20	100.00
XTCG012B00AO	220VAC	5.5	12	20	100.00
XTCG012B00AR	380VAC	5.5	12	20	100.00
XTCG018C00B2	24VAC	7.5	18	25	125.00
XTCG018C00AO	220VAC	7.5	18	25	125.00
XTCG018C00AR	380VAC	7.5	18	25	125.00
XTCG025C00B2	24VAC	11	25	35	175.00
XTCG025C00AO	220VAC	11	25	35	175.00
XTCG025C00AR	380VAC	11	25	35	175.00
XTCG032C00B2	24VAC	15	32	40	225.00
XTCG032C00AO	220VAC	15	32	40	225.00
XTCG032C00AR	380VAC	15	32	40	225.00
XTCG038C00B2	24VAC	18.5	38	40	275.00
XTCG038C00AO	220VAC	18.5	38	40	275.00
XTCG038C00AR	380VAC	18.5	38	40	275.00
XTCG040D00B2	24VAC	18.5	40	60	360.00
XTCG040D00AO	220VAC	18.5	40	60	360.00
XTCG040D00AR	380VAC	18.5	40	60	360.00
XTCG050D00B2	24VAC	22	50	70	410.00
XTCG050D00AO	220VAC	22	50	70	410.00
XTCG050D00AR	380VAC	22	50	70	410.00
XTCG065D00B2	24VAC	30	65	80	530.00
XTCG065D00AO	220VAC	30	65	80	530.00
XTCG065D00AR	380VAC	30	65	80	530.00
XTCG080E00B2	24VAC	37	80	110	640.00
XTCG080E00AO	220VAC	37	80	110	640.00
XTCG080E00AR	380VAC	37	80	110	640.00
XTCG095E00B2	24VAC	45	95	120	790.00
XTCG095E00AO	220VAC	45	95	120	790.00
XTCG095E00AR	380VAC	45	95	120	790.00



XTCG032



NEW



XTOG012BC1



XTCGXFAC10

Overloads to suit E-Line contactors

All overloads come with 1 NO / 1 N/C Auxiliary contact

Fit directly to E-Line contactors

For use with contactors XTCG007, XTCG009, XTCG012, XTCG018, XTCG025, XTCG032 & XTCG038

Part no.	Suits contactor	Setting Range A	Price \$
XTOGP16BC1	XTCG007 to XTCG038	0.1 - 0.16	125.00
XTOGP24BC1	XTCG007 to XTCG038	0.16 - 0.24	125.00
XTOGP40BC1	XTCG007 to XTCG038	0.24 - 0.4	125.00
XTOGP60BC1	XTCG007 to XTCG038	0.4 - 0.6	125.00
XTOG001BC1	XTCG007 to XTCG038	0.6 - 1.0	125.00
XTOG1P6BC1	XTCG007 to XTCG038	1.0 - 1.6	125.00
XTOG2P4BC1	XTCG007 to XTCG038	1.6 - 2.4	125.00
XTOG004BC1	XTCG007 to XTCG038	2.4 - 4.0	125.00
XTOG006BC1	XTCG007 to XTCG038	4.0 - 6.0	125.00
XTOG010BC1	XTCG007 to XTCG038	6.0 - 10	125.00
XTOG012BC1	XTCG007 to XTCG038	9.0 - 12	125.00
XTOG016CC1	XTCG018 to XTCG038	12 - 16	137.50
XTOG024CC1	XTCG018 to XTCG038	16 - 24	137.50
XTOG032CC1	XTCG018 to XTCG038	24 - 32	137.50
XTOG025DC1	XTCG040 to XTCG095	17 - 25	143.00
XTOG032DC1	XTCG040 to XTCG095	23 - 32	143.00
XTOG040DC1	XTCG040 to XTCG095	30 - 40	143.00
XTOG050DC1	XTCG040 to XTCG095	37 - 50	143.00
XTOG065DC1	XTCG040 to XTCG095	48 - 65	152.00
XTOG050EC1	XTCG065 to XTCG095	37 - 50	152.00
XTOG065EC1	XTCG065 to XTCG095	48 - 65	160.00
XTOG080EC1	XTCG065 to XTCG095	63 - 80	160.00
XTOG097EC1	XTCG065 to XTCG095	77 - 97	160.00

Auxiliary Contacts to suit E-Line range

Top mount suitable for XTCG007 to XTCG095

Part no.	Number of Auxiliaries	Price \$
XTCGXFAC10	1 N/O	12.50
XTCGXFAC01	1 N/C	12.50
XTCGXFAC20	2 N/O	20.00
XTCGXFAC11	1 N/O 1 N/C	20.00
XTCGXFAC02	2 N/C	20.00

Mechanical Interlocks to suit E-Line range

Part no.	Description	Price \$
XTCGXMLB	Suits Frame size 1 contactors	20.00
XTCGXMLC	Suits Frame size 2 contactors	20.00



Mini Relays DIL ER...

AC and DC operated versions have same dimensions.
DC versions have a built in suppressor circuit. World wide approval including IEC 947.
Protection against fingers IP20. Easy mounting : screw fixing or snap on top-hat rail.

Part no.	Rated operational current AC-15		Contact arrangement	Price \$
	240V	415V		
DILER-40(...V)*	6	3	4 N/O	117.72
DILER-31(...V)*	6	3	3 N/O 1 N/C	117.72
DILER-22(...V)*	6	3	2 N/O 2 N/C	117.72

* Specify one of the following coil voltages 24VAC, 110VAC, 240VAC, 415VAC

24 VDC operated units

DILER-40-G	6	3	4 N/O	193.99
DILER-31-G	6	3	3 N/O 1 N/C	193.99
DILER-22-G	6	3	2 N/O 2 N/C	193.99

Accessories: refer DILEM.. Contactor range on page 75

Electronic Timer Modules

For use with contactor DILM7... to DILM32...
Direct fit to top of contactors

Part no.	Coil voltage	Unit type	Price \$
DILM32-XTEE11(RA24)	24V AC/DC	On delay	230.06
DILM32-XTEE11(RAC130)	110 VAC	On delay	230.06
DILM32-XTEE11(RAC240)	240VAC	On delay	230.06
DILM32-XTEY20(RA24)	24V AC/DC	Star delta	250.98
DILM32-XTEY20(RAC130)	110 VAC	Star delta	250.98
DILM32-XTEY20(RAC240)	240VAC	Star delta	250.98



DILER22



DILER22G



DILM32-XTE11...

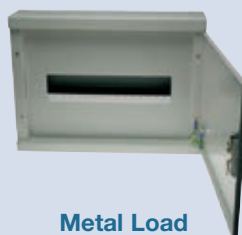
Related products:



Marechal
Decontactors
p.281



Flexicon
Contractor Packs
p.324



Metal Load
Centres
p.46



MCB Enclosures
p.46



DOL Starters

IP65 surface mount Direct On Line starter. 240V and 415V control.
Overload to be ordered separately. Start and Stop/Reset Pushbuttons

Part No.	Description	Price \$
EDOL40NO240	4kW DOL 240V coil no overload	164.98
EDOL55NO240	5.5kW DOL 240V coil no overload	213.52
EDOL75NO240	7.5kW DOL 240V coil no overload	278.25
EDOL11NO240	11kW DOL 240V coil no overload	359.15
EDOL40NO415	4kW DOL 415V coil no overload	164.98
EDOL55NO415	5.5kW DOL 415V coil no overload	213.52
EDOL75NO415	7.5kW DOL 415V coil no overload	278.25
EDOL11NO415	11kW DOL 415V coil no overload	359.15

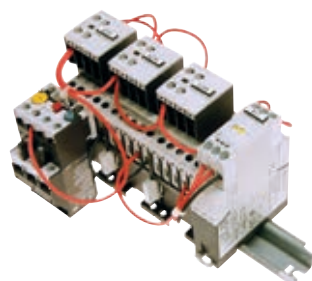
Overloads to suit DOL Starters

Part No.	Setting Range A	Price \$
EDOL045TOL	0.3 - 0.5	138.90
EDOL063TOL	0.45 - 0.63	138.90
EDOL10TOL	0.75 - 1.0	138.90
EDOL1P6TOL	1.1 - 1.6	138.90
EDOL02TOL	1.4 - 2.0	138.90
EDOL25TOL	1.8 - 2.5	138.90
EDOL32TOL	2.3 - 3.2	138.90
EDOL48TOL	3.5 - 4.8	138.90
EDOL63TOL	4.5 - 6.3	138.90
EDOL75TOL	5.5 - 7.5	138.90
EDOL100TOL	7.2 - 10.0	138.90
EDOL125TOL	9.0 - 12.5	138.90
EDOL16TOL	11.3 - 16.00	138.90
EDOL20TOL	15.0 - 20.0	138.90
EDOL250TOL	21.00 - 25.0	138.90
EDOL30TOL	24.5 - 30.0	138.90

Star Delta Starters

The Eaton range of star delta starters are either enclosed or din mount.
All starters incorporate - DILM.. Contactors, ETR4-51 star delta change over timing relays and all units come complete with overloads. From 5.5 to 75kW in 24VAC, 110VAC, 240VAC and 415 VAC in 50Hz.
Please enquire for non standard & DC voltages, starting times and wiring diagrams

Open Type Units (Din rail mounted)



SDES5.5/U

Part no.	AC-3 380/415V Amps	AC-3 380/415V Kw	Max ch/over time	Main contactor part no.	Delta contactor part no.	Star contactor part no.	Price \$
SDES5.5/U(...)	12	5.5	20	DILM7-10	DILM7-01	DILM7-01	906.09
SDES7.5/U(...)	16	7.5	20	DILM9-10	DILM9-01	DILM7-01	906.09
SDES11/U(...)	22	11	20	DILM12-10	DILM12-01	DILM7-01	961.82
SDES15/U(...)	30	15	20	DILM17-10	DILM17-01	DILM17-01	1,184.87
SDES22/U(...)	45	22	20	DILM25-10	DILM25-01	DILM17-01	1,212.79
SDES30/U(...)	55	30	20	DILM32-10	DILM32-01	DILM25-01	1,379.98
SDES37/U(...)	70	37	20	DILM40	DILM40	DILM40	1,672.67
SDES45/U(...)	90	45	20	DILM50	DILM50	DILM40	1,951.44
SDES55/U(...)	115	55	20	DILM65	DILM65	DILM40	2,090.82
SDES75/U(...)	140	75	20	DILM80	DILM80	DILM50	3,972.64

(...) Please specify coil voltage when ordering

Enclosed Units



SDES5.5/I

Part no.	AC-3 380/415V Amps	AC-3 380/415V Kw	Max ch/over time	Main contactor part no.	Delta contactor part no.	Star contactor part no.	Price \$
SDES5.5/I(...)	12	5.5	20	DILM7-10	DILM7-01	DILM7-01	1240.60
SDES7.5/I(...)	16	7.5	20	DILM9-10	DILM9-01	DILM7-01	1303.35
SDES11/I(...)	22	11	20	DILM12-10	DILM12-01	DILM7-01	1310.35
SDES15/I(...)	30	15	20	DILM17-10	DILM17-01	DILM17-01	1533.26
SDES22/I(...)	45	22	20	DILM25-10	DILM25-01	DILM17-01	1672.67
SDES30/I(...)	55	30	20	DILM32-10	DILM32-01	DILM25-01	2021.19
SDES37/I(...)	70	37	20	DILM40	DILM40	DILM40	2355.71
SDES45/I(...)	90	45	20	DILM50	DILM50	DILM40	2732.04
SDES55/I(...)	115	55	20	DILM65	DILM65	DILM40	2871.42
SDES75/I(...)	140	75	20	DILM80	DILM80	DILM50	4585.91

(...) Please specify coil voltage when ordering

Timing Relays

22.5mm width. Multi-voltage coils. LED function display, DIN rail mounting.

Part no.	Voltage	Rated Current 240/415VAC	Timing Range	Price \$
<i>On delay</i>				
ETR 4-11-A	24-240V AC/DC	3A	0.05 - 100hrs	261.62
ETR 4-11-W	346-440V AC	3A	0.05 - 100hrs	261.62
<i>Star - Delta</i>				
ETR 4-51-A	24-240V AC/DC	3A	3-60 sec	261.62
ETR 4-51-W	346-440V AC	3A	3-60 sec	261.62
<i>Multi - function</i>				
ETR 4-69-A	24-240V AC/DC	3A	0.05 - 100hrs	337.39
ETR 4-69-W	346-440V AC	3A	0.05 - 100hrs	337.39
<i>Multi - function with 2 change over contacts</i>				
ETR 4-70-A	24-240V AC/DC	3A	0.05 - 100hrs	305.21

Please enquire for flow function diagrams

Miniature Timing Relays

Same profile as an mcb

Part no.	Voltage	Rated Current	Timing Range	Price \$
<i>on delayed (single function)</i>				
ETR2-11	24-48VDC 24-240VAC	3A	0.05 - 100hrs	198.00
<i>off delayed (single function)</i>				
ETR2-12	24-48VDC 24-240VAC	3A	0.05 - 100hrs	198.00
<i>fleeting make contact (single function)</i>				
ETR2-21	24-48VDC 24-240VAC	3A	0.05 - 100hrs	198.00
<i>fleeting pulse contact (single function)</i>				
ETR2-42	24-48VDC 24-240VAC	3A	0.05 - 100hrs	198.00
<i>flashing 2 timing pulses or pause starting (single function)</i>				
ETR2-44	24-48VDC 24-240VAC	3A	0.05 - 100hrs	198.00
<i>all of above and fleeting break contact, flashing pause starting (multi function)</i>				
ETR2-69	24-48VDC 24-240VAC	3A	0.05 - 100hrs	245.21

Please enquire for flow function diagrams



ETR4-11-A



ETR4-70-A



ETR2-11



ETR2-21

Related products:



Elsama Products
p.347



Distribution
Boards
p.32



Toggle Switches
p.242



Testing Equipment
p.276

Introducing M22

With a combination of advanced design and enhanced functionality, the M22 line of 22.5 mm IEC pushbuttons is perfect for a wide variety of global machine control applications. The product line includes pushbuttons, selector switches, pilot lights, mushroom operators and emergency-stop operators, as well more application-specific devices such as palm switches, four-way buttons, buzzers and communicating devices.

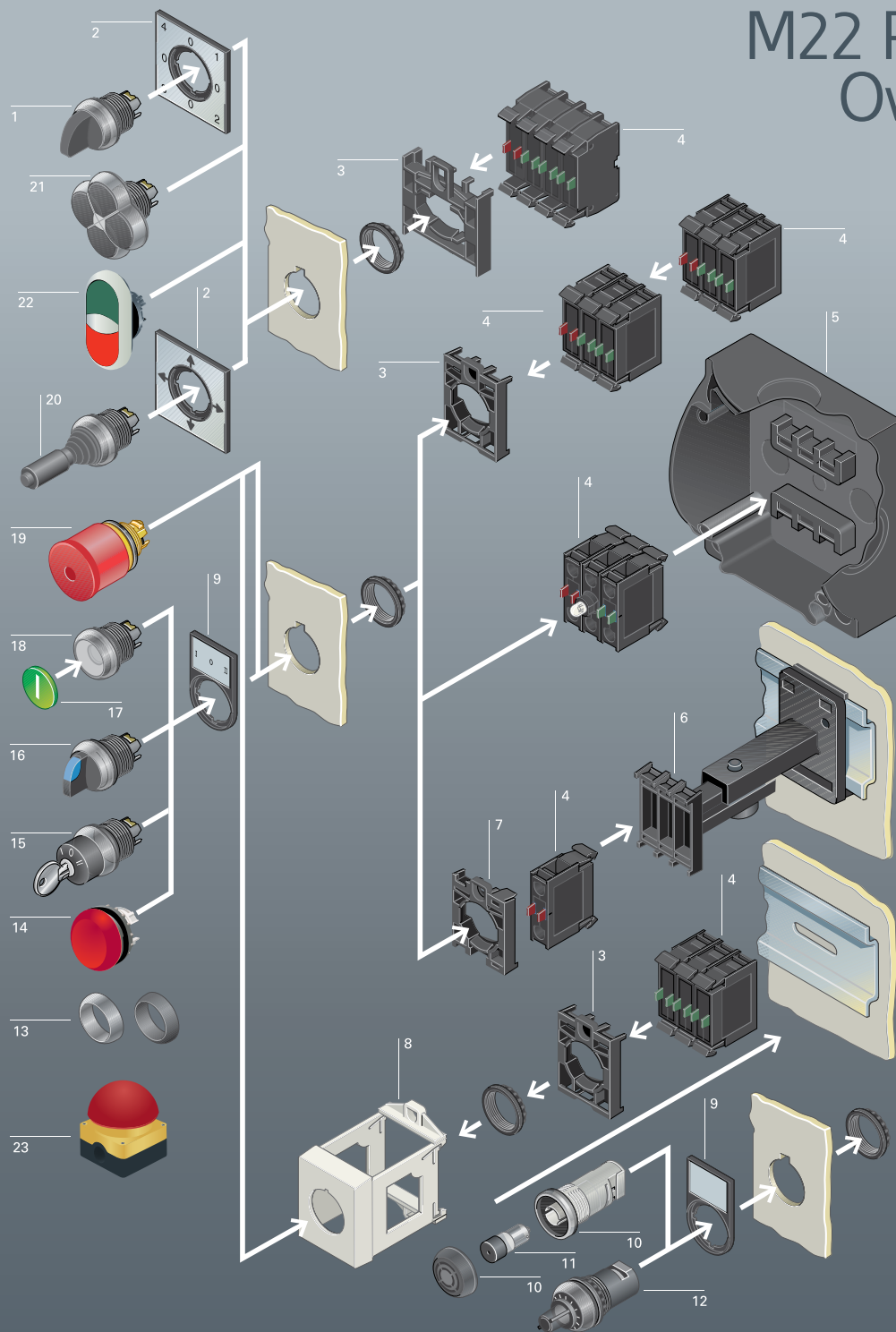
The M22 is ideal for OEMs, end-users and system integrators who value front panel aesthetics, maximum flexibility, and high quality construction. The M22 reflects Eaton's commitment to providing products that deliver increased reliability, functionality and time savings, while raising the industry standard in quality and versatility.

Through continuing investments, Eaton's electrical business has grown into a world-class provider of control and protection products. Meeting your specific needs means offering a complete line of motor protection, control and logic devices—all the latest in technology.

From contactors, starters and drives to pushbuttons, relays and programmable controllers, you'll have the edge when it comes to machine control solutions. Trust Eaton to deliver the products and solutions that will make your process more efficient and effective.



M22 Product Overview



Global 22.5 mm IEC Pushbuttons

- | | | | |
|---|------------------------------|---|-----------------------------|
| 1. Four-position selector switch | 6. Telescopic clip | 13. Bezel, available in silver or black | 19. Emergency-stop operator |
| 2. Legend plate for four-way selector switch/joystick | 7. Centering adapter | 14. Indicating light | 20. Joystick |
| 3. Mounting adapter | 8. DIN-rail mounting adapter | 15. Key operated selector switch | 21. Four-way pushbutton |
| 4. Contact block | 9. Legend plate | 16. Selector switch | 22. Double-pushbutton |
| 5. Enclosure | 10. Acoustic indicator | 17. Button plate/button lens | 23. Palm switch |
| | 11. Buzzer | 18. Buttonless operator | |
| | 12. Potentiometer | | |



HS-M22-ESTOP



HS-M22-START/STOP



M22-D-G-X1/KC11/I



M22-PV/KC11/IY



FAK-R/KC11/I



FAK-R/V/KC11/IY



M22-R10K



M22-DH-R



M22-DP-G-X

Front ring Titanium, also available in black. Snap fitting modular system.

Mounting diameter 22.3mm. Minimum grid dimension 30 x 40mm. IP rating - IP66

Up to 6 contacts per location. Switching of different potentials. Worldwide approval.

Hang Sell Packs

Complete packaged units . Wide range

Part no.	Description	Price \$
<i>Push buttons Complete assemblies</i>		
HS-M22-START	Start button c/w adaptor & N/O contact	35.53
HS-M22-STOP	Stop button c/w adaptor & N/C contact	35.53
HS-M22-ESTOP	Emergency stop button c/w adaptor & N/C contact (Pull to reset)	78.04
HS-M22-T-ESTOP	Emergency stop button c/w adaptor & N/C contact (Twist to reset)	79.80
HS-M22-START/STOP	Stop/Start button c/w adaptor & N/O, N/C contact	75.99
<i>Selector switches Complete assemblies</i>		
HS-M22-2POS-SEL	2 position selector c/w adaptor, N/O contact	53.98
HS-M22-3POS-SEL	3 position selector c/w adaptor, 2 x N/O contact	70.29

Enclosed Units For Surface Mounting. IP66

Part no.	Description	Contacts	Price \$
<i>Push buttons</i>			
M22-D-G-X1/KC11/I	Start button complete	1 N/O 1 N/C	93.92
M22-D-R-X0/KC11/I	Stop button complete	1 N/O 1 N/C	93.92
<i>Emergency stop push buttons</i>			
M22-PV/KC11/IY	Pull to release, yellow enclosure	1 N/O 1 N/C	162.29
<i>Emergency stop, key release</i>			
<i>Mushroom button</i>			
M22-PVS/KC11/IY	Red actuator with 1 key	1 N/O 1 N/C	261.37
<i>Key operated selector switch</i>			
M22-WRS/KC11/I1	2 Position, stayput, with 1 key	1 N/O 1 N/C	234.33
<i>Two way push button station</i>			
M22-I2-M1	Without indicator light	2 N/O 2 N/C	171.27
M22-I3-M2	With indicator light, LED element, 85-264 VAC	2 N/O 2 N/C	288.44
<i>Three way push button stations</i>			
M22-I3-M1	Without indicator light	3 N/O 3 N/C	225.35
<i>Foot and palm switches - IP67</i>			
FAK-R/KC11/I	Mushroom head, red	1 N/O 1 N/C	192.74
FAK-S/KC11/I	Mushroom head, black	1 N/O 1 N/C	192.74
<i>Emergency-stop push buttons - IP67</i>			
FAK-R/V/KC01/IY	Pull to release, mushroom head, red	1 N/C	244.11
FAK-R/V/KC11/IY	Pull to release, mushroom head, red	1 N/O 1 N/C	264.02

Potentiometers IP67

Part no.	Description	Price \$
M22-R1K	1k ohm potentiometer	147.78
M22-R4K7	4.7k ohm potentiometer	147.78
M22-R10K	10k ohm potentiometer	147.78

Push Buttons IP67

Part no.	Description	Colour	Price \$
<i>Flush design</i>			
M22-D-X	Spring return, without button plate		14.53
<i>Extended design</i>			
M22-DH-S	Spring return, with button plate	Black	24.91
M22-DH-R	Spring return, with button plate	Red	24.91
M22-DH-G	Spring return, with button plate	Green	24.91
M22-DG-X	Spring return, without button plate, with guard ring		23.17

Mushroom head design IP67

Part no.	Description	Colour	Price \$
M22-DP-G-X	Spring return, without button plate	Green	34.84
M22-DP-R-X	Spring return, without button plate	Red	34.84
M22-DP-S-X	Spring return, without button plate	Black	34.84
M22-DP-Y-X	Spring return, without button plate	Yellow	34.84
M22-DRP-S-X	Stayput, without button plate	Black	35.36
M22-DRP-R-X	Stayput, without button plate	Red	35.36
M22-DRP-G-X	Stayput, without button plate	Green	35.36



Button Plate

Suits Push Button and Mushroom Head design push buttons

Part no. for push button act.	Part no. for mushroom act.	Text	Colour	Price \$
M22-XD-S	M22-XDP-S	No text	BLACK	2.38
M22-XD-W	M22-XDP-W	No text	WHITE	2.38
M22-XD-R	M22-XDP-R	No text	RED	2.38
M22-XD-G	M22-XDP-G	No text	GREEN	2.38
M22-XD-Y	M22-XDP-Y	No text	YELLOW	2.38
M22-XD-B	-	No text	BLUE	2.38
M22-XD-*.*	M22-XDP-*.*	with custom inscription		4.75
M22-XD-R-GB0	M22-XDP-R-GB0	STOP	RED	4.75
M22-XD-G-GB1	M22-XDP-G-GB1	START	GREEN	4.75
M22-XD-S-GB2	M22-XDP-S-GB2	CLOSE	BLACK	4.75
M22-XD-S-GB3	M22-XDP-S-GB3	UP	BLACK	4.75
M22-XD-S-GB4	M22-XDP-S-GB4	DOWN	BLACK	4.75
M22-XD-R-GB5	M22-XDP-R-GB5	OFF	RED	4.75
M22-XD-S-GB6	M22-XDP-S-GB6	ON	BLACK	4.75
M22-XD-S-GB9	M22-XDP-S-GB9	TEST	BLACK	4.75
M22-XD-B-GB14	-	RESET	BLUE	4.75
M22-XD-S-GB15	M22-XDP-S-GB15	FORWARD	BLACK	4.75
M22-XD-S-GB16	M22-XDP-S-GB16	REVERSE	BLACK	4.75
M22-XD-S-GB17	M22-XDP-S-GB17	RAISE	BLACK	4.75
M22-XD-S-GB18	M22-XDP-S-GB18	LOWER	BLACK	4.75
M22-XD-R-X0	M22-XDP-X0	STOP	RED	4.75
M22-XD-G-X1	M22-XDP-X1	START	GREEN	4.75
M22-XD-B-X6	-	RESET	BLUE	4.75

Illuminated Push Buttons IP67

Part no.	Description	Colour	Price \$
M22-DL-W	Spring return, flush design	white	29.90
M22-DL-G	Spring return, flush design	green	29.90
M22-DL-R	Spring return, flush design	red	29.90
M22-DL-Y	Spring return, flush design	yellow	29.90
M22-DL-B	Spring return, flush design	blue	29.90
M22-DLH-W	Spring return, extended design	white	32.50
M22-DLH-G	Spring return, extended design	green	32.50
M22-DLH-R	Spring return, extended design	red	32.50
M22-DLH-Y	Spring return, extended design	yellow	32.50
M22-DLH-B	Spring return, extended design	blue	32.50
<i>M22-DRL... can be made either stay-put or spring return using same unit.</i>			
M22-DRL-W	Stay-put, flush design	white	60.32
M22-DRL-G	Stay-put, flush design	green	60.32
M22-DRL-R	Stay-put, flush design	red	60.32
M22-DRL-Y	Stay-put, flush design	yellow	60.32
M22-DRL-B	Stay-put, flush design	blue	60.32

Button Lenses for Illuminated Push Button Actuators

Part no. flush	Part no. extended	Text	Colour	Price \$ flush	Price \$ extended
M22-XDL-W	M22-XDLH-W	No text	White	2.58	12.52
M22-XDL-R	M22-XDLH-R	No text	Red	2.58	12.52
M22-XDL-G	M22-XDLH-G	No text	Green	2.58	12.52
M22-XDL-Y	M22-XDLH-Y	No text	Yellow	2.58	12.52
M22-XDL-B	M22-XDLH-B	No text	Blue	2.58	12.52
M22-XDL-*.*	M22-XDLH-*.*	with custom inscription		5.08	16.37
M22-XDL-R-GB0	M22-XDLH-R-GB0	STOP	Red	4.48	15.24
M22-XDL-G-GB1	M22-XDLH-G-GB1	START	Green	4.48	15.24
M22-XDL-R-GB5	M22-XDLH-R-GB5	OFF	Red	4.48	15.24
M22-XDL-W-GB6	M22-XDLH-W-GB6	ON	White	4.48	15.24
M22-XDL-W-GB9	M22-XDLH-W-GB9	TEST	White	4.48	15.24
M22-XDL-W-GB17	M22-XDLH-W-GB17	RAISE	White	4.48	15.24
M22-XDL-W-GB18	M22-XDLH-W-GB18	LOWER	White	4.48	15.24



M22-XD-B-GB14



M22-XD-B-X6



M22-XD-S-GB15



M22-DL-R



M22-DRL-B



M22-XDL...



M22-XDL...



M22-WRS

Key Operated Actuators IP66 (1 Key Supplied)

Part no.	Description	Price \$
M22-WRS	60 deg stay put, 2 position	116.34
M22-WRS3	60 deg stay put, 3 position	116.34
M22-ES-MS1	Spare key for M22-WRS	23.30
M22-XC-R	For converting to key removable	2.03

Other key systems available on request

Double Push Buttons IP66

Part no.	Description	Price \$
M22-DDL-GR-X1/X0	Stop-start button plate (optional with indicator light)	52.00



M22-DDL-GR...

Emergency Stop Buttons IP66

Part no.	Description	Price \$
M22-PV	Plunger red, body yellow. Snap action and positive non tease action. Pull to release.	65.00
M22-PVT	Plunger red, body yellow. Snap action and positive non tease action. Twist to release.	62.35
M22-PVL	Illuminated. Plunger red, body yellow. Snap action and positive non tease action. Pull to release.	72.28
M22-PVLT	Illuminated. Plunger red, body yellow. Snap action and positive non tease action. Twist to release.	72.28
M22-PL-PV	Sealable shroud to suit M22-PV, M22-PVL and M22-PVS	23.30



M22-PV

Emergency-Stop Key Operated IP67

Part no.	Description	Colour	Price \$
M22-PVS	With 1 key	Red	134.68

Selector Switches, 2 Position IP66

Part no.	Description	Price \$
M22-WR	Rotary head, 60 deg stay put	33.28
M22-W	Rotary head, 40 deg spring return	33.28
M22-WRK	Thumb grip, 60 deg stay put	33.28
M22-WK	Thumb grip, 40 deg spring return	33.28
M22-WKV	Thumb grip, 60 deg stay put, V position	36.40



M22-WRK

Selector Switches, 3 Position IP66

Part no.	Description	Price \$
M22-WR3	Rotary head, 60 deg stayput in both left & right pos.	45.24
M22-W3	Rotary head, 40 deg spring return in both left & right pos.	45.24
M22-WRK3	Thumb grip, 60 deg stayput in both left & right pos.	37.96
M22-WK3	Thumb grip, 40 deg spring return in both left & right pos.	37.96

Illuminated Selector Switches, 2 Position - IP66

All units are thumb grip handle.

Part no.	Description	Price \$
M22-WRLK-W	60 deg stay put, white	61.49
M22-WRLK-G	60 deg stay put, green	61.49
M22-WRLK-R	60 deg stay put, red	61.49
M22-WRLK-Y	60 deg stay put, yellow	61.49
M22-WRLK-B	60 deg stay put, blue	61.49
M22-WLK-W	40 deg spring return, white	61.49
M22-WLK-G	40 deg spring return, green	61.49
M22-WLK-R	40 deg spring return, red	61.49
M22-WLK-Y	40 deg spring return, yellow	61.49
M22-WLK-B	40 deg spring return, blue	61.49



M22-WRLK-R



Illuminated Selector Switches, 3 Position - IP66

Part no.	Description	Price \$
M22-WRLK3-W	60 deg stay put, white	61.49
M22-WRLK3-G	60 deg stay put, green	61.49
M22-WRLK3-R	60 deg stay put, red	61.49
M22-WRLK3-Y	60 deg stay put, yellow	61.49
M22-WRLK3-B	60 deg stay put, blue	61.49
M22-WLK3-W	40 deg spring return, white	61.49
M22-WLK3-G	40 deg spring return, green	61.49
M22-WLK3-R	40 deg spring return, red	61.49
M22-WLK3-Y	40 deg spring return, yellow	61.49
M22-WLK3-B	40 deg spring return, blue	61.49



M22-XC-Y

Coding Adaptors

Part no.	Description	Price \$
M22-XC-Y	For converting between stay-put and spring return function	2.03

Indicator Lights IP67

Part no.	Description	Price \$
M22-L-W	Flush design, white	18.72
M22-L-G	Flush design, green	18.72
M22-L-R	Flush design, red	18.72
M22-L-Y	Flush design, yellow	18.72
M22-L-B	Flush design, blue	18.72
M22-LH-W	Extended conical design, white	21.79
M22-LH-G	Extended conical design, green	21.79
M22-LH-R	Extended conical design, red	21.79
M22-LH-Y	Extended conical design, yellow	21.79
M22-LH-B	Extended conical design, blue	21.79



M22-L-G



M22-LH-R

Lenses for Indicator Lights

Part no. flush	Part no. extended	Text	Colour	Price \$ flush	Price \$ extended
M22-XL-W	M22-XLH-W	No text	White	2.44	11.41
M22-XL-R	M22-XLH-R	No text	Red	2.44	11.41
M22-XL-G	M22-XLH-G	No text	Green	2.44	11.41
M22-XL-Y	M22-XLH-Y	No text	Yellow	2.44	11.41
M22-XL-B	M22-XLH-B	No text	Blue	2.44	11.41
M22-XL-*-*		with custom inscription		5.08	16.37
M22-XL-R-GB0		STOP	Red	4.48	-
M22-XL-G-GB1		START	Green	4.48	-
M22-XL-W-GB2		CLOSE	White	4.48	-
M22-XL-W-GB3		UP	White	4.48	-
M22-XL-W-GB4		DOWN	White	4.48	-
M22-XL-R-GB5		OFF	Red	4.48	-
M22-XL-W-GB6		ON	Black	4.48	-
M22-XL-W-GB17		RAISE	White	4.48	-
M22-XL-W-GB18		LOWER	White	4.48	-



M22-XL...



M22-LEDC-R



M22-A

Acoustic Indicator

Part no.	Description	Price \$
M22-AMC	Acoustic indicator black front	36.94
M22-XAM	Continuous tone 83db 18-30 VAC/DC	47.46
M22-XAMP	Pulse tone 83db 18-30 VAC/DC	47.46

Fixing Adaptors

Part no.	Description	Price \$
M22-A	Front fixing adaptor for contact blocks and LED elements	6.50
M22-A4	Fixing adaptor for 4 contact box	9.36



M22-LED-W



M22-XLED-T



M22-K10



M22-AK11



M22-XZK-GB99



M22S-ST-GB12

LED Elements

Part no.	Rated operational voltage	Rated operational current	Colour	Price \$
Front fixing				
M22-LED-W	18-30 V AC/DC	8-15 Ma	White	28.60
M22-LED-G	18-30 V AC/DC	8-15 Ma	Green	28.60
M22-LED-R	18-30 V AC/DC	8-15 Ma	Red	28.60
M22-LED-B	18-30 V AC/DC	8-15 Ma	Blue	28.60
M22-LED230-W	85-264 V AC	5-15 Ma	White	48.36
M22-LED230-G	85-264 V AC	5-15 Ma	Green	48.36
M22-LED230-R	85-264 V AC	5-15 Ma	Red	48.36
M22-LED230-B	85-264 V AC	5-15 Ma	Blue	48.36
M22-XLED-T	12-240V AC/DC Non-interfacing test function element			25.30
M22-XLED-230T	85-264V AC Non-interfacing test function element			34.07
Base fixing				
M22-LEDC-W	18-30 V AC/DC	8-15 Ma	White	28.60
M22-LEDC-G	18-30 V AC/DC	8-15 Ma	Green	28.60
M22-LEDC-R	18-30 V AC/DC	8-15 Ma	Red	28.60
M22-LEDC-B	18-30 V AC/DC	8-15 Ma	Blue	28.60
M22-LEDC230-W	85-264 V AC	5-15 Ma	White	48.36
M22-LEDC230-G	85-264 V AC	5-15 Ma	Green	48.36
M22-LEDC230-R	85-264 V AC	5-15 Ma	Red	48.36
M22-LEDC230-B	85-264 V AC	5-15 Ma	Blue	48.36

Contact Elements With Screwed Terminal

Part no.	Description	Price \$
M22-K10	Front fixing 1 N/O	11.19
M22-K01	Front fixing 1 N/C	11.19
M22-KC10	Base fixing 1 N/O	11.19
M22-KC01	Base fixing 1 N/C	11.19

Contact Elements c/w Fixing Adaptor

Part no.	Description	Price \$
M22-AK11	Front fixing 1 N/O 1 N/C	34.06
M22-AK10	Front fixing 1 N/O	19.76
M22-AK01	Front fixing 1 N/C	19.76

Emergency-Stop Labels, Legend Plates & Insert Plates

Part no.	Description	Price \$
<i>Emergency stop labels IP-66</i>		
M22-XZK-GB99	33 x 50mm yellow, emergency stop	3.50
M22-XZK	33 x 50mm blank	3.50
M22-XAK1	90mm round, yellow emergency stop	12.52
<i>Legend plates without label mount</i>		
M22S-ST-X	Round, black 30mm wide	2.01
M22S-STDD-X	For double characters	2.01
<i>Insert labels for label mounts</i>		
M22-XST	18 x 27mm aluminium blank	2.01
<i>Complete legend plates, 30 x 50mm, round, black</i>		
M22S-ST-X88	0 I	4.48
M22S-ST-X89	0 I	4.48
M22S-ST-X93	I 0 II	4.48
M22S-ST-GB0	STOP	4.48
M22S-ST-GB1	START	4.48
M22S-ST-GB5	OFF	4.48
M22S-ST-GB6	ON	4.48
M22S-ST-DGB8	FAULT	4.48
M22S-ST-GB7	RUN	4.48
M22S-ST-GB11	MAN.AUTO	4.48
M22S-ST-GB10	OFF ON	4.48
M22S-ST-GB12	MAN . 0 . AUTO	4.48



Surface Mounting Enclosures - IP66

Part no.	Description	Price \$
M22-I1	1 hole enclosure	40.96
M22-I2	2 hole enclosure	47.09
M22-I3	3 hole enclosure	55.73
M22-I4	4 hole enclosure	74.77
M22-I6	6 hole enclosure	96.43

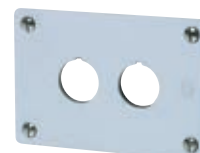


M22-I3

Flush Mounting Plates - IP54

Aluminium, light anodized

Part no.	Description	Price \$
M22-EY1	1 hole plate, yellow for emergency stop buttons	47.96
M22-E1	1 hole plate	44.59
M22-E2	2 hole plate	68.25
M22-E3	3 hole plate	81.77
M22-E4	4 hole plate	109.33
M22-E5	5 hole plate	125.74
M22-E6	6 hole plate	163.31



M22-E2



M22-H1

Shrouds - IP55

Part no.	Description	Price \$
M22-H1	Light grey, plastic to suit 1 contact block	8.64
M22-H2	Light grey, plastic to suit 2 contact blocks	17.16

Blanking Plugs - IP66

Part no.	Description	Price \$
M22-B	Grey 22mm	10.15
M22S-B	Black 22mm	10.15



M22-B

Actuator Diaphragms - IP67

Part no.	Description	Price \$
M22-T-D	For use with 22mm push buttons, pilot lights	12.03
M22-T-DD	For use with 22mm double push buttons	12.03



M22-TC

Telescopic Clip

Part no.	Description	Price \$
M22-TC	For extension of rear mounting devices from 115 - 155mm	17.79
M22-TCV	For extending M22-TC up to a mounting depth of 205mm	7.14



M22S-R30

Adaptor Rings

Part no.	Description	Price \$
M22S-R30	For fitting 22.5mm devices into 30.5mm holes	5.13

Threaded Ring

Part no.	Description	Price \$
M22-GR	22mm spare locking ring	3.00

Combination Lock Ring Tool



Part no.	Description	Price \$
EUR-22MMT	22mm Lock ring tool to suit control circuit devices lock nuts	13.00



EUR-22MMT

Reset Rod

Part no.	Description	Price \$
M22-DZ-B-GB14	Reset rod	29.56

IVS Top Hat Rail Adaptor

Part no.	Description	Price \$
M22-IVS	Top hat rail adaptor for front fixing	17.16



M22-IVS



EMR4-I15-1-A



EMR4-F500-2



EMR5-W500-1-D



EMR5-A400-1

Current Monitoring Relays

Status indication via LED. Response delay 0.05 - 30sec. Supply voltage LED green.
Switching hysteresis adjustable from 5-30%.
EMR4...-A monitor 1 upper and lower limit. EMR4...-B monitors 1 upper limit.

Part no.	Supply Voltage	Current Measuring Range	Price \$
EMR4-I1-2-A	24-240V AC/DC	3-30mA, 10-100mA, 0.1-1A	715.48
EMR4-I15-2-A	24-240V AC/DC	0.3-1.5A, 1-5A, 3-15A	715.48
EMR4-I15-2-B	220-240V AC	0.3-1.5A, 1-5A, 3-15A	612.87

Please enquire for wiring schematics

Phase Sequence Relays

Monitors 3 phase systems for phase failure and phase sequence.
Status indication via LED's. Supply voltage = voltage being measured

Part no.	Supply Voltage	Monitoring Voltage	Price \$
EMR4-F500-2	200-500V AC	200-500V AC	355.76

Please enquire for wiring schematics

Phase Monitoring Relays

Monitors 3 phase systems for phase sequence, over/under voltage and phase failure.
3 phase voltage monitoring within a range. Status indication via LED's.
Selectable on delay or off delay between 0.1 - 30sec

Part no.	Supply Voltage	Monitoring Voltage Adjusted By	Price \$
EMR5-AWM580-2	350-580V AC	350-380V AC	650.00
EMR5-AW500-1-D	300-500V AC	300-500V AC	POA

Please enquire for wiring schematics

Phase Imbalance Monitoring Relays

Monitors 3 phase systems for phase imbalance.
Switching threshold adjustable from 2-25% imbalance.
Status indication via LED's. Phase sequence detection.

Part no.	Supply Voltage	Monitoring Voltage	Price \$
EMR5-A400-1	300-500V AC	2-25% of phase voltage mean value	587.64

Please enquire for wiring schematics



Liquid Level Monitoring Relays

Monitors the level of conductive liquids. Monitors the ratio of liquids of conductive fluids. Status indication via LED's. Dual voltage connection against running dry or overflow
EMR4-N500.... Units with selectable on-delay or off-delay between 0.5 - 10sec

Part no.	Supply Voltage	Response sensitivity range	Price \$
EMR4-N100-1-B	220-240V AC	5-100k ohm	350.29
EMR4-N500-2-B	220-240V AC	250-500k ohm	617.54
EMR4-N500-2-A	24-240V AC/DC	250-500k ohm	617.54

Please enquire for measuring probes. Please enquire for wiring schematics.



EMR4-N100-1-B

Insulation Monitoring Relays

Monitors the insulation resistance between non earthed AC supply systems and protective conductor / earth. Tripping function memory. Insulation monitoring in 1 and 3 phase AC systems. Test via local test button or remote test operation. Status indication via LED's

Part no.	Supply Voltage	Response sensitivity range	Price \$
EMR5-R250-1-A	24-240V AC/DC	10-110k ohm	910.00

Monitors the insulation resistance in non earthed DC supply systems.

Selector switch between open-circuit or closed-circuit principle.

With test and reset facilities. Status indication via LED's

Part no.	Supply Voltage	Response sensitivity range	Price \$
EMR5-R400-1-A	24-240V AC/DC	10-110k ohm	780.00

Please enquire for wiring schematics.



EMR5-R400-1-A

Sealable Shroud

Prevents un-authorised setting adjustment

Part no.	Mounting width	Price \$
EMR4-PH22	22.5mm	34.32
EMR4-PH45	45mm	34.32

Thermistor Overload Relays

Part no.	Control selection	Actuating V	Price \$
EMT6	For 3 wire control with: Automatic reset	24-240V AC 24-240V DC	308.21
EMT6(230V)	Mains and fault LED display	230V	516.47
EMT6-DB	For 3 or 2 wire control with: Manual/automatic reset	24-240V AC 24-240V DC	516.47
EMT6DB(230V)	Manual or remote resetting Test button Mains and fault LED display	230V	516.47
EMT6-DBK	Multi function device with: Manual/automatic reset Short circuit tripping Zero voltage safe Manual or remote resetting Test button Mains and fault LED display	24-240V AC 24-240V DC	713.72



EMR4-PH22



EMT6



PKZM0



PKZM4-32



PKE-COMPLETE

NEW



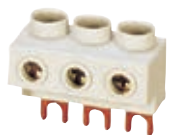
PKE-XTU-1.2



PKE-12



PKE32-XMB



BK25/3-PKZO-U



PKE-XRH



Motor Protective Circuit Breakers & Accessories

Motor starters to IEC 947-4-2. Modular system. Main switch and isolating characteristics

Part no.	AC-3 Rating 415V kW	Setting Range A	Price \$
PKZM0-0.16	-	0.01 - 0.16	230.45
PKZM0-0.25	0.06	0.16 - 0.25	230.45
PKZM0-0.4	0.09	0.25 - 0.4	230.45
PKZM0-0.63	0.12	0.4 - 0.63	244.36
PKZM0-1	0.25	0.63 - 1.0	253.76
PKZM0-1.6	0.55	1.0 - 1.6	272.06
PKZM0-2.5	0.75	1.6 - 2.5	272.06
PKZM0-4	1.5	2.5 - 4.0	272.06
PKZM0-6.3	2.2	4.0 - 6.3	272.06
PKZM0-10	4	6.3 - 10	314.39
PKZM0-16	7.5	10 - 16	314.39
PKZM0-20	9	16 - 20	337.69
PKZM0-25	12.5	20 - 25	371.07
PKZM0-32	15	25 - 32	394.26

PKZM4 Motor Protective Circuit Breakers

Part no.	AC-3 Rating 415V kW	Setting Range A	Price \$
PKZM4-16	7.5	10 - 16	563.45
PKZM4-25	12.5	16 - 25	579.49
PKZM4-32	15	25 - 32	687.01
PKZM4-40	20	32 - 40	789.24
PKZM4-50	25	40 - 50	896.74
PKZM4-58	30	50 - 58	918.22
PKZM4-63	34	58 - 63	945.14

Accessories for PKZM4 range are same as PKZM0 range

PKE Motor Protective Circuit Breakers & Accessories

With just 3 base units up to 65 Amps and 6 trip units, this allows for the manual motor starter to be installed into a panel without the final motor load being unknown. The trip units can then be installed at a later date. From 0.3 to 65 Amps. Co-ordination type 1 and 2. Superseeds the PKZ2 units.

Part no.	Description	Price \$
<i>PKE Manual motor starter base unit without lockable handle</i>		
PKE-12	Base unit suitable for currents up to 12 A	286.00
PKE-32	Base unit suitable for currents up to 32 A	338.00
PKE-65	Base unit suitable for currents up to 65 A	494.00
<i>PKE Manual motor starter base unit with lockable handle</i>		
PKE12-AK	Base unit suitable for currents up to 12 A with lockable handle	P.O.A.
PKE32-AK	Base unit suitable for currents up to 32 A with lockable handle	P.O.A.
PKE65-AK	Base unit suitable for currents up to 65 A with lockable handle	P.O.A.
<i>Trip units to suit PKE manual motor starters</i>		
PKE-XTU-1.2	Trip unit 0.3-1.2 A suits PKE12	286.00
PKE-XTU-4	Trip unit 1-4 A suits PKE12	286.00
PKE-XTU-12	Trip unit 3-12 A suits PKE12	286.00
PKE-XTU-32	Trip unit 8-32 A suits PKE32	338.00
PKE-XTUW-32	Trip unit 8 -32 A suits PKE65	442.00
PKE-XTU-65	Trip unit 16 - 65 A suits PKE65	442.00
<i>PKE Manual motor starter accessories</i>		
BK25/3-PKZO	Incoming terminal block for PKE	37.65
PKE32-XMB	Screw fixing mount for fixing to gear trays	0.85
PKE-XH	Black IP65 for door coupling with extension shaft up to 240mm deep	130.00
PKE-XRH	Red Yellow IP65 for door coupling with extension shaft up to 240mm deep	143.00
PKE-XH-MCC	Black IP65 for door coupling when PKE mounted 90 Degree (MCC) with extension shaft up to 240mm deep	130.00
PKE-XRH-MCC	Red Yellow IP65 for door coupling when PKE mounted 90 Degree (MCC) with extension shaft up to 240mm deep	143.00



PKZM01 Pushbutton Operation Motor Protective Circuit Breakers & Accessories

Motor starters to IEC947 - 4.2. Modular system. Main switch and isolating characteristics.
All PKZM01 accessories fit the PKZM01 push button type units.

Part no.	AC-3 Rating 415V kW	Setting Range A	Price \$
PKZM01-0.16	-	0.1 - 0.16	216.39
PKZM01-0.25	0.06	0.16 - 0.25	216.39
PKZM01-0.4	0.09	0.25 - 0.4	216.39
PKZM01-0.63	0.12	0.4 - 0.63	216.39
PKZM01-1	0.25	0.63 - 1	216.39
PKZM01-1.6	0.55	1.0 - 1.6	240.30
PKZM01-2.5	0.75	1.6 - 2.4	240.30
PKZM01-4	1.5	2.4 - 4	240.30
PKZM01-6.3	2.2	4 - 6.3	240.30
PKZM01-10	4	6.3 - 10	280.67
PKZM01-12	5.5	10 - 12	280.67
PKZM01-16	7.5	12 - 16	280.67
PKZM01-20	11	16 - 20	291.11
PKZM01-25	15	20 - 25	291.11

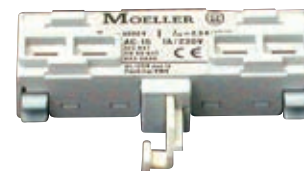


PKZM01-4

Accessories

Standard auxiliary contacts. One contact unit per breaker. Direct fit on the right side(s).
Suits PKZM0, PKE & PKZM01 manual motor starters.

Part no.	Description	Price \$
NHI11-PKZ0	1 N/O 1 N/C	40.52
NHI12-PKZ0	1 N/O 2 N/C	58.73
NHI21-PKZ0	2 N/O 1 N/C	58.73
NHI2-11S-PKZ0	2 X(1 N/O 1 N/C)	97.30
NHI-E-11-PKZ0	1 N/O 1 N/C (top mount)	38.71

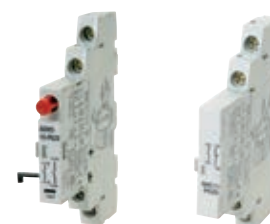


NHI-E-11-PKZ0

Trip Indicating Auxiliary Contacts (with mechanical reset)

Short circuit indicator. Suits PKZM0, PKE & PKZM01 manual motor starters.

Part no.	Description	Price \$
AGM2-10-PKZ0	2 X 1 N/O	68.35
AGM2-01-PKZ0	2 X 1 N/C	68.35



AGM2-10-PKZ0

NHI11-PKZ0

Shunt Release

Suits PKZM0, PKE & PKZM01 manual motor starters.

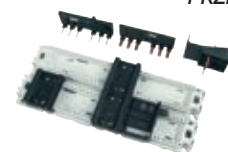
Part no.	Description	Price \$
A-PKZ0 (...V)*	AC operation	140.85
A-PKZ0 (24V DC)	DC operation	140.85

*Specify voltage when ordering: 110VAC, 240VAC, 415VAC

Motor Protective Circuit Breaker Wiring Kits

Suits PKZM0, PKE & PKZM01 manual motor starters.

Part no.	Description	Price \$
<i>DOL Starter wiring kits</i>		
PKZM0-XDM12	For use with PKZM0 + DILM7/9/12/15	37.11
PKZM0-XDM32	For use with PKZM0 + DILM17/25/32	56.82
PKZM4-XDM65	For use with PKZM4 + DILM40/50/65	102.69
<i>Reversing starter wiring kits</i>		
PKZM0-XRM12	For use with PKZM0 + DILM7-01/9-01/12-01	77.02
PKZM0-XRM32	For use with PKZM0 + DILM17/25/32	87.17



PKZM0-XRM32



PKZM0-XDM32



PKZM0-XRM12

Undervoltage Release

Suits PKZM0, PKE & PKZM01 manual motor starters.

Part no.	Description	Price \$
U-PKZ0(...V)*	110V to 415V	140.85

*Specify voltage when ordering: 110VAC, 240VAC, 415VAC



U-PKZ0



B3.0/2-PKZ0



B3.1/2-PKZ0



BK25-PKZ0



CI-PKZ01-G



CI-PKZ01-PVT



PLS6-C10/1



PLS6-C20/3

Motor Protective Circuit Breaker Commoning Bars

Suits PKZMO, PKE & PKZMO1 manual motor starters.

Part no.	No. of motor starters fitted	Rated Current	Price \$
<i>Commoning link without space for auxiliary fitted</i>			
B3.0/2-PKZ0	2	63A	43.40
B3.0/3-PKZ0	3	63A	53.68
B3.0/4-PKZ0	4	63A	61.39
B3.0/5-PKZ0	5	63A	69.41
<i>Commoning link with space for 1 auxiliary fitted</i>			
B3.1/2-PKZ0	2	63A	40.08
B3.1/3-PKZ0	3	63A	50.06
B3.1/4-PKZ0	4	63A	56.24
B3.1/5-PKZ0	5	63A	63.67
<i>Commoning link with space for 1 auxiliary fitted on left and 1 fitted on right</i>			
B3.2/2-PKZ0	2	63A	51.10
B3.2/4-PKZ0	4	63A	61.39
<i>Accessories</i>			
H-B3-PKZ0	Shroud for unused terminals		5.90
BK25/3-PKZ0	Incoming supply terminal		37.65

Please enquire for busbar mounting system to suit motor protective circuit breakers.

Insulated Enclosure for Surface Mounting PKZMO1 Units

Part no.	IP rating	Description	Price \$
CI-PKZ01-G	65	Enclosed unit c/w actuator membrane	54.48
CI-PKZ01-PVT	65	With emergency stop actuator	114.46

6kA - C Curve

Rated breaking capacity 6kA. For commercial and industrial use.
From 1 to 63A. From 1 to 3 pole. Please enquire for 4 pole units.
17.5mm width. Colour coded toggles to suit A rating.

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
PLS6-C1	1	21.84	PLS6-C1/2	1	72.80	PLS6-C1/3	1	102.96
PLS6-C2	2	21.84	PLS6-C2/2	2	72.80	PLS6-C2/3	2	102.96
PLS6-C3	3	21.84	PLS6-C3/2	3	72.80	PLS6-C3/3	3	102.96
PLS6-C4	4	21.84	PLS6-C4/2	4	72.80	PLS6-C4/3	4	102.96
PLS6-C6	6	19.67	PLS6-C6/2	6	66.87	PLS6-C6/3	6	98.58
PLS6-C10	10	19.67	PLS6-C10/2	10	66.87	PLS6-C10/3	10	98.58
PLS6-C16	16	19.67	PLS6-C16/2	16	66.87	PLS6-C16/3	16	98.58
PLS6-C20	20	19.67	PLS6-C20/2	20	66.87	PLS6-C20/3	20	98.58
PLS6-C25	25	19.67	PLS6-C25/2	25	66.87	PLS6-C25/3	25	98.58
PLS6-C32	32	19.67	PLS6-C32/2	32	66.87	PLS6-C32/3	32	98.58
PLS6-C40	40	19.67	PLS6-C40/2	40	66.87	PLS6-C40/3	40	98.58
PLS6-C50	50	21.84	PLS6-C50/2	50	72.80	PLS6-C50/3	50	102.96
PLS6-C63	63	21.84	PLS6-C63/2	63	72.80	PLS6-C63/3	63	102.96



10kA - C Curve

Rated breaking capacity 10kA. For industrial use.
From 1 to 63A. From 1 to 3 pole. Please enquire for 4 pole units.
17.5mm width. Colour coded toggles to suit A rating.

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
PLSM-C1	1	43.58	PLSM-C1/2	1	150.65	PLSM-C1/3	1	170.82
PLSM-C2	2	43.58	PLSM-C2/2	2	132.00	PLSM-C2/3	2	170.82
PLSM-C3	3	43.58	PLSM-C3/2	3	132.00	PLSM-C3/3	3	170.82
PLSM-C4	4	43.58	PLSM-C4/2	4	132.00	PLSM-C4/3	4	170.82
PLSM-C6	6	43.58	PLSM-C6/2	6	132.00	PLSM-C6/3	6	170.82
PLSM-C10	10	43.58	PLSM-C10/2	10	132.00	PLSM-C10/3	10	170.82
PLSM-C16	16	43.58	PLSM-C16/2	16	132.00	PLSM-C16/3	16	170.82
PLSM-C20	20	43.58	PLSM-C20/2	20	132.00	PLSM-C20/3	20	170.82
PLSM-C25	25	43.58	PLSM-C25/2	25	132.00	PLSM-C25/3	25	170.82
PLSM-C32	32	43.58	PLSM-C32/2	32	132.00	PLSM-C32/3	32	170.82
PLSM-C40	40	43.58	PLSM-C40/2	40	132.00	PLSM-C40/3	40	170.82
PLSM-C50	50	43.58	PLSM-C50/2	50	132.00	PLSM-C50/3	50	170.82
PLSM-C63	63	43.58	PLSM-C63/2	63	132.00	PLSM-C63/3	63	170.82



PLSM-C32/3



PLSM-D20/1

10kA - D Curve

Rated breaking capacity 10kA. For industrial use.
From 1 to 40A. From 1 to 3 pole. Please enquire for 4 pole units.
17.5mm width. Colour coded toggles to suit A rating.

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
PLSM-D10	10	60.74	PLSM-D10/2	10	150.66	PLSM-D10/3	10	194.12
PLSM-D16	16	60.74	PLSM-D16/2	16	150.66	PLSM-D16/3	16	194.12
PLSM-D20	20	60.74	PLSM-D20/2	20	150.66	PLSM-D20/3	20	194.12
PLSM-D25	25	60.74	PLSM-D25/2	25	150.66	PLSM-D25/3	25	194.12
PLSM-D32	32	60.74	PLSM-D32/2	32	150.66	PLSM-D32/3	32	194.12
PLSM-D40	40	60.74	PLSM-D40/2	40	150.66	PLSM-D40/3	40	194.12



PLHT-C20



PLHT-C100/3

Up to 25kA - C Curve

Rated breaking capacity up to 25kA. For industrial use. From 20 to 125A.
1 and 3 pole. Please enquire for D curve and 2 & 4 pole units
27mm width. Colour coded toggles to suit A rating.

1 Pole Part no.	A	1 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
PLHT-C20	20	139.78	PLHT-C20/3	20	481.17
PLHT-C25	25	139.76	PLHT-C25/3	25	481.16
PLHT-C32	32	139.76	PLHT-C32/3	32	481.16
PLHT-C40	40	139.77	PLHT-C40/3	40	481.17
PLHT-C50	50	139.76	PLHT-C50/3	50	481.16
PLHT-C63	63	132.87	PLHT-C63/3	63	481.16
PLHT-C80	80	139.77	PLHT-C80/3	80	481.16
PLHT-C100	100	139.77	PLHT-C100/3	100	481.16
PLHT-C125	125	139.77	PLHT-C125/3	125	481.16



IS-100/3



MCBLDOG

Switch Disconnectors (Isolators)

From 63 to 125A. From 1 to 3 pole. Non-auto. Please enquire for 4 pole units.

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
IS-63/1	63	17.16	IS-63/2	63	54.48	IS-63/3	63	77.65
IS-80/1	80	21.79	IS-80/2	80	69.89	IS-80/3	80	100.95
IS-100/1	100	42.08	IS-100/2	100	100.94	IS-100/3	100	139.77
IS-125/1	125	65.25	IS-125/2	125	100.45	IS-125/3	125	153.79

Padlocking Device & Pole Fillers

Part no.	Description	Price \$
MCBLDOG	Locking device to suit MCB	11.85
EUR-PF6	Pole filler (6 poles)	3.27



EUR-PF6



ZP-AHK



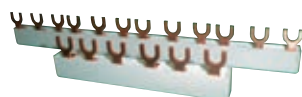
ZP-NHK



Z-ASA/230



Z-USA/230



EVG COMMONING BAR

Auxiliary Switch

To suit PLS and PKN MCB's and RCBO's

Part no.	Description	Price \$
ZP-IHK	1 N/O + 1 N/C	35.07

Auxiliary trip indication switch

To suit PLS and PKN MCB's and RCBO's

Part no.	Description	Price \$
ZP-WHK	2 C/O	35.07

Shunt Trip Release

To suit PLS MCB's

Part no.	Description	Price \$
Z-ASA/230	110-240VAC	49.84

Under Voltage Release

To suit PLS and PLSM MCB,s

Part no.	Description	Price \$
Z-USA/230	240VAC	54.48

Commoning Busbars

For miniature circuit breakers without auxiliary contacts

Part no.	No. of poles	No. of MCB'S	Rated A	Price \$
EVG-16/1PHAS/2MODUL	1	2	85	3.50
EVG-16/1PHAS/6MODUL	1	6	85	6.63
EVG-16/1PHAS/12MODUL	1	12	85	10.90
EVG-16/2PHAS/4MODUL	2*	4	100	11.40
EVG-16/2PHAS/6MODUL	2*	6	100	13.40
EVG-16/2PHAS/12MODUL	2*	12	100	25.80
EVG-16/3PHAS/6MODUL	3	6	100	15.91
EVG-16/3PHAS/12MODUL	3	12	100	28.31
EVG-16/4PHAS/8MODUL	4*	8	100	30.31
EVG-16/4PHAS/12MODUL	4*	12	120	51.60

* 2 and 4 pole units can be used for RCD and RCBO

For miniature circuit breakers with auxiliary contacts

Part no.	No. of poles	No. of MCB'S	Rated A	Price \$
EVG-16/1PHAS/2MODUL/HI	1	2	85	6.14
EVG-16/1PHAS/6MODUL/HI	1	6	85	14.28
EVG-16/1PHAS/9MODUL/HI	1	9	85	19.41
EVG-16/2PHAS/4MODUL/HI	2	4	100	12.65
EVG-16/2PHAS/6MODUL/HI	2	6	100	18.16
EVG-16/2PHAS/10MODUL/HI	2	10	100	27.92
EVG-16/3PHAS/6MODUL/HI	3	6	100	19.41
EVG-16/3PHAS/12MODUL/HI	3	12	100	35.32
EVG-16/3X1PHAS/6MODUL/HI	3*	6	100	19.41
EVG-16/3X1PHAS/8MODUL/HI	3*	8	100	35.32
EVG-16/3X1PHAS/9MODUL/HI	3*	9	100	35.32

* 1 auxiliary contact per pole



Installation Contactors

Snap fit on din rail.
Non humming units.
Power ratings 20, 25, 40 and 63A AC1
Lighting control contactor

Part no.	Rated Current (Amps) AC1	Rated Current (Amps) AC3	Coil Voltage	No. of Contacts	Modules (18mm)	Price \$
Z-R230/S	20	N/A	240 V	1 NO	1	69.88
Z-R230/SS	20	N/A	240 V	2 NO	1	69.88
Z-R230/SO	20	N/A	240 V	1 NO, 1 NC	1	69.88
Z-R230/OO	20	N/A	240 V	2 NC	1	69.88
Z-R24/S	20	N/A	24 V	1 NO	1	69.88
Z-R24/SO	20	N/A	24 V	1 NO, 1 NC	1	69.88
Z-SCH230/25-31	25	9	240 V	3 NO, 1 NC	2	100.94
Z-SCH230/25-22	25	9	240 V	2 NO, 2 NC	2	100.95
Z-SCH230/25-40	25	9	240 V	4 NO	2	102.58
Z-SCH230/25-04	25	9	240 V	4 NC	2	102.57
Z-SCH24/25-40	25	9	24 V	4 NO	2	138.26
Z-SCH24/25-22	25	9	24 V	2 NO, 2 NC	2	138.26
Z-SCH230/40-31	40	27	240 V	3 NO, 1 NC	4	178.46
Z-SCH230/40-22	40	27	240 V	2 NO, 2 NC	4	178.48
Z-SCH230/40-40	40	27	240 V	4 NO	4	178.48
Z-SCH230/40-20	40	27	240 V	2 NO	4	178.48
Z-SCH230/63-40	63	30	240 V	4 NO	4	263.88
Z-SCH230/63-31	63	30	240 V	3 NO, 1 NC	4	263.88
Z-SCH230/63-22	63	30	240 V	2 NO, 2 NC	4	263.88
Z-SCH230/63-20	63	30	240 V	2 NO	4	263.88



Z-SCH230/25-22

Installation Contactor Accessories

Part no.	Description	Price \$
Z-SCHAK-2TE	Sealing cover (25A)	3.00
Z-SCHAK-3TE	Sealing cover(40, 63A)	3.26
Z-SC	Auxiliary switch, 1 NO, 1 NC	77.65
Z-DST	Spacer	4.75

Changeover Switch

Part no.	Function	Price \$
Z-S/WM	1 CO I-O-II	38.95
Z-S/WTN	1 CO DAY-O-NIGHT	38.95



Z-S/WM



eRB6-20/1/C/003-AU



eRBM-16/1/C/003-A-AU



PFIM-40/4/003



PKNM-25/1N/C/003

1 Pole Compact Residual Current Circuit Breakers (RCBO)

From 6A to 45A. 30mA sensitivity. 6 & 10 kA rated breaking capacity. Color coded toggles to suit A rating. Permanently connected neutral conductor. Compact design for easy mounting in load centers, C curve characteristics

D curve and other mA ratings available, please enquire

Suits Eureka distribution boards and Eureka load centers. Refer page 32.

Part no.	Description	Price \$
6kA		
eRB6-6/1/C/003-AU	eRB6 6A 1P 6kA C Curve RCBO 30mA	176.80
eRB6-10/1/C/003-AU	eRB6 10A 1P 6kA C Curve RCBO 30mA	176.80
eRB6-16/1/C/003-AU	eRB6 16A 1P 6kA C Curve RCBO 30mA	176.80
eRB6-20/1/C/003-AU	eRB6 20A 1P 6kA C Curve RCBO 30mA	176.80
eRB6-25/1/C/003-AU	eRB6 25A 1P 6kA C Curve RCBO 30mA	176.80
eRB6-32/1/C/003-AU	eRB6 32A 1P 6kA C Curve RCBO 30mA	176.80
eRB6-40/1/C/003-AU	eRB6 40A 1P 6kA C Curve RCBO 30mA	176.80
eRB6-45/1/C/003-AU	eRB6 45A 1P 6kA C Curve RCBO 30mA	176.80
10kA		
eRBM-6/1/C/003-A-AU	eRBM 6A 1P 10kA C Curve RCBO 30mA Type A	254.80
eRBM-10/1/C/003-A-AU	eRBM 10A 1P 10kA C Curve RCBO 30mA Type A	254.80
eRBM-16/1/C/003-A-AU	eRBM 16A 1P 10kA C Curve RCBO 30mA Type A	254.80
eRBM-20/1/C/003-A-AU	eRBM 20A 1P 10kA C Curve RCBO 30mA Type A	254.80
eRBM-25/1/C/003-A-AU	eRBM 25A 1P 10kA C Curve RCBO 30mA Type A	254.80
eRBM-32/1/C/003-A-AU	eRBM 32A 1P 10kA C Curve RCBO 30mA Type A	254.80
eRBM-40/1/C/003-A-AU	eRBM 40A 1P 10kA C Curve RCBO 30mA Type A	254.80
eRBM-45/1/C/003-A-AU	eRBM 45A 1P 10kA C Curve RCBO 30mA Type A	254.80

Residual Current Devices (RCD)

30mA sensitivity. 2 and 4 pole units. From 40 to 80A

Part no.	Description	Price \$
PFIM-40/2/003	2 pole 40A 30mA	163.08
PFIM-40/4/003	4 pole 40A 30mA	203.38
PFIM-63/2/003	2 pole 63A 30mA	179.34
PFIM-63/4/003	4 pole 63A 30mA	220.05
PFIM-80/2/003	2 pole 80A 30mA	214.15
PFIM-80/4/003	4 pole 80A 30mA	307.33

Residual Current Circuit Breakers (RCBO)

2 pole. From 6 to 40A. 30mA sensitivity. C curve characteristic. Rated breaking capacity 6kA

Please enquire for 4 pole units

Part no.	Description	Price \$
PKNM-6/1N/C/003	2 pole 6A 30mA	132.01
PKNM-10/1N/C/003	2 pole 10A 30mA	132.01
PKNM-16/1N/C/003	2 pole 16A 30mA	132.01
PKNM-20/1N/C/003	2 pole 20A 30mA	132.01
PKNM-25/1N/C/003	2 pole 25A 30mA	132.01
PKNM-32/1N/C/003	2 pole 32A 30mA	132.01
PKNM-40/1N/C/003	2 pole 40A 30mA	132.01



NZM1, 2, 3 and 4 Range (system & cable protection)

From 40 to 1600A. With short circuit and overload release.

Part no.	Frame Size	Rated Current A	kA Rating	Setting Range A	Short Circuit A	Price \$
NZMB1-A40	1	40	25	32-40	240-400	491.93
NZMB1-A50	1	50	25	40-50	300-500	491.93
NZMB1-A63	1	63	25	50-63	380-630	491.93
NZMB1-A80	1	80	25	63-80	480-800	581.85
NZMB1-A100	1	100	25	80-100	600-1000	581.85
NZMB1-A125	1	125	25	100-125	750-1250	853.36
NZMB1-A160	1	160	25	125-160	770-1280	1,155.81
NZMB2-A125	2	125	25	100-125	750-1250	1,101.71
NZMB2-A160	2	160	25	125-160	960-1600	1,101.71
NZMB2-A200	2	200	25	160-200	1200-2000	1,450.61
NZMB2-A250	2	250	25	200-250	1500-2500	1,536.63
NZMN3-AE250	3	250	50	125-250	500-2750	2,079.06
NZMN3-AE400	3	400	50	200-400	800-4400	2,079.06
NZMN3-AE630	3	630	50	315-630	1260-5040	3,009.94
NZMN4-AE630	4	630	50	315-630	1260-7560	3,583.91
NZMN4-AE800	4	800	50	400-800	1600-9600	3,956.23
NZMN4-AE1000	4	1000	50	500-1000	2000-12000	6,221.27
NZMN4-AE1250	4	1250	50	630-1250	2500-15000	8,393.24
NZMN4-AE1600	4	1600	50	800-1600	3200-19200	9,448.12



NZMB1-A80

NZM1, 2, 3 and 4 Range (motor protection)

From 40 to 1400A. With short circuit and overload release.

Part no.	Frame Size	Rated Current A	kA Rating	Setting Range A	Short Circuit A	Price \$
NZMB1-M40	1	40	25	32-40	320-560	589.61
NZMB1-M50	1	50	25	40-50	400-700	589.61
NZMB1-M63	1	63	25	50-63	504-882	589.61
NZMB1-M80	1	80	25	63-80	640-1120	612.91
NZMB1-M100	1	100	25	80-100	800-1250	612.91
NZMN2-ME90	2	100	50	45-90	90-1260	1,363.99
NZMN2-ME140	2	140	50	70-140	140-1960	1,515.41
NZMN2-ME220	2	220	50	110-220	220-3080	1,987.07
NZMN3-ME220	3	220	50	110-220	220-3080	3,258.24
NZMN3-ME350	3	350	50	175-350	350-4900	3,258.24
NZMN4-ME550	4	550	50	275-550	550-7700	4,460.31
NZMN4-ME875	4	875	50	438-875	875-12250	6,531.47
NZMN4-ME1400	4	1400	50	700-1400	1400-19600	10,161.72

Please enquire for other circuit breakers in the NZM range.

Accessories

Part no.	Description	Price \$
NZM1-XTVDV	Door coupling rotary handle to suit NZM1	217.41
NZM2-XTVDV	Door coupling rotary handle to suit NZM2	217.41
NZM3-XTVDV	Door coupling rotary handle to suit NZM3	294.81
NZM4-XTVDV	Door coupling rotary handle to suit NZM4	294.81
NZM1-XDV	Circuit breaker mounted lockable rotary handle to suit NZM1	132.00
NZM2-XDV	Circuit breaker mounted lockable rotary handle to suit NZM2	132.00
NZM3-XDV	Circuit breaker mounted lockable rotary handle to suit NZM3	217.41
NZM4-XDV	Circuit breaker mounted lockable rotary handle to suit NZM4	217.77
NZM1/2-XV4	400mm extension shaft to suit NZM1/2	15.40
NZM3/4-XV4	400mm extension shaft to suit NZM3/4	34.19
NZM1/2-XV6	600mm extension shaft to suit NZM1/2	24.17
NZM3/4-XV6	600mm extension shaft to suit NZM3/4	55.99
M22-K10	Auxiliary contact block to suit NZM1/2/3/4 1 N/O	11.19
M22-K01	Auxiliary contact block to suit NZM1/2/3/4 1 N/C	11.19

Please enquire for generator protection circuit breakers, trip indication, under voltage, shunt releases, remote operators, terminal shrouds and MCCB chassis to 1000A.



NZMN3-ME350



NZM1-XDV



EMS style encapsulated chassis with option to fit EUR-3-250 main switch to chassis pan.
Suits DB-CB-EUR mounting brackets



DIN Circuit Breaker Encapsulated Chassis 205A to suit PLS6/PLSM/PLHT MCB, ERB6/M MCB/RCD

With facility for direct mounting to EUR-3-250 main switch.

Rated current 250 and 400A (250A unit only in EMS style)

Fault current 25kA @ 0.1 sec

Suits 6kA & 10kA 18mm and 27mm pitch Eaton MCBs

Tested to IEC61439-2

Rated peak withstand current 52.5kA

Standard and hybrid encapsulated chassis

Please enquire for escutcheon cut-out and mounting details

Please enquire for other configuration chassis

Please enquire for bottom and dual-feed chassis

EMS type encapsulated chassis does not include main switch.



ELS1-42/18EM1



EMS STYLE CHASSIS WITH
EUR-3-250 FITTED



EUR-3-250

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm	27mm	
					PLS6/M MCB ERB6/M RCBO	PLHT MCB	
250A 3 phase EMS chassis to suit 6kA & 10kA MCB							
ELS1-12/18EM1	12	220	242	133	12		173.15
ELS1-18/18EM1	18	220	296	133	18		217.05
ELS1-24/18EM1	24	220	350	133	24		225.75
ELS1-30/18EM1	30	220	404	133	30		251.40
ELS1-36/18EM1	36	220	458	133	36		286.00
ELS1-42/18EM1	42	220	512	133	42		301.05
ELS1-48/18EM1	48	220	566	133	48		338.75
ELS1-60/18EM1	60	220	674	133	60		396.35
ELS1-72/18EM1	72	220	782	133	72		456.65
ELS1-84/18EM1	84	220	890	133	84		514.30
ELS1-96/18EM1	96	220	998	133	96		597.15
250A 3 phase hybrid EMS chassis to suit 6kA & 10kA MCB							
ELS1-12/1827EM1	12	220	269	133	6	6	206.35
ELS1-18/1827EM1	18	220	323	133	12	6	233.30
ELS1-24/1827EM1	24	220	377	133	18	6	265.85
ELS1-30/1827EM1	30	220	431	133	24	6	296.05
ELS1-36/1827EM1	36	220	485	133	30	6	328.65
ELS1-42/1827EM1	42	220	566	133	30	12	383.90
ELS1-48/1827EM1	48	220	620	133	36	12	434.05
ELS1-60/1827EM1	60	220	728	133	48	12	498.75
ELS1-72/1827EM1	72	220	836	133	60	12	582.00
250A 3 phase 27mm EMS chassis to suit 6kA & 10kA MCB							
ELS1-12/27EM1	12	220	296	133		12	208.25
ELS1-18/27EM1	18	220	377	133		18	243.35
ELS1-24/27EM1	24	220	458	133		24	278.45
ELS1-30/27EM1	30	220	539	133		30	316.15
ELS1-36/27EM1	36	220	620	133		36	346.20
ELS1-42/27EM1	42	220	701	133		42	386.35
ELS1-48/27EM1	48	220	782	133		48	441.50
ELS1-60/27EM1	60	220	944	133		60	506.85
ELS1-72/27EM1	72	220	1106	133		72	589.55

Compact Loadbreak Switch

EUR-3-250 fits directly to 250A EMS Eureka MCB chassis

Part no.	Description	Price \$
EUR-3-250	250A 8.5kA load break switch including shrouds	105.48
EUR-3-250PD	Padlock attachment	8.41

Flat pan style chassis. Suits DB-CB400-EUR mounting brackets.

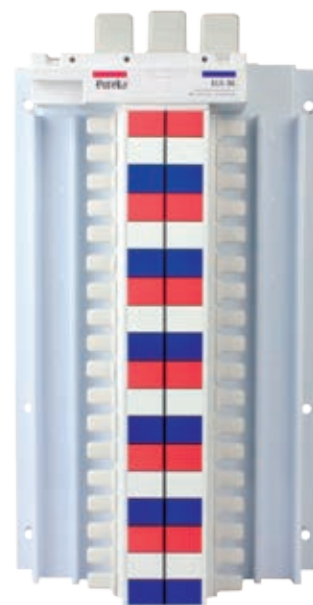
eureka

NEW

DIN Circuit Breaker Encapsulated Chassis 250A to suit PLS6/PLSM/PLHT MCB, ERB6/M MCB/RCD

Please enquire for bottom and dual-feed chassis

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm PLS6/M MCB ERB6/M RCBO	27mm PLHT MCB	
<i>3 phase 250A 18mm flat pan to suit 6kA & 10kA MCB</i>							
ELS1-12/181	12	220	174	115	12		145.55
ELS1-18/181	18	220	228	115	18		170.55
ELS1-24/181	24	220	282	115	24		198.20
ELS1-30/181	30	220	336	115	30		223.35
ELS1-36/181	36	220	390	115	36		250.65
ELS1-42/181	42	220	444	115	42		273.00
ELS1-48/181	48	220	498	115	48		311.00
ELS1-60/181	60	220	606	115	60		368.75
ELS1-72/181	72	220	714	115	72		429.05
ELS1-84/181	84	220	822	115	84		509.25
ELS1-96/181	96	220	930	115	96		569.50
<i>3 phase 250A 18/27mm flat pan to suit 6kA & 10kA MCB</i>							
ELS1-12/18271	12	220	201	115	6	6	177.25
ELS1-18/18271	18	220	255	115	12	6	205.70
ELS1-24/18271	24	220	309	115	18	6	238.35
ELS1-30/18271	30	220	363	115	24	6	268.45
ELS1-36/18271	36	220	417	115	30	6	381.05
ELS1-42/18271	42	220	498	115	30	12	412.65
ELS1-48/18271	48	220	552	115	36	12	431.50
ELS1-60/18271	60	220	660	115	48	12	471.70
ELS1-72/18271	72	220	768	115	60	12	554.45
<i>3 phase 250A 27mm flat pan to suit 6kA & 10kA MCB</i>							
ELS1-12/271	12	220	228	115		12	180.65
ELS1-18/271	18	220	309	115		18	215.75
ELS1-24/271	24	220	390	115		24	250.95
ELS1-30/271	30	220	471	115		30	288.55
ELS1-36/271	36	220	552	115		36	318.55
ELS1-42/271	42	220	633	115		42	358.80
ELS1-48/271	48	220	714	115		48	413.90
ELS1-60/271	60	220	876	115		60	479.00
ELS1-72/271	72	220	1038	115		72	567.95



ELS1-36/181

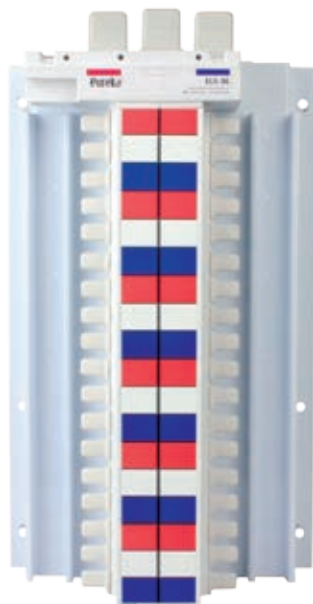
Eureka

NEW

Flat pan style chassis. Suits DB-CB400-EUR mounting brackets.

DIN Circuit Breaker Encapsulated Chassis 400A to suit PLS6/PLSM/PLHT MCB, ERB6/M MCB/RCD

Please enquire for bottom and dual-feed chassis



ELS1-36/182

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm PLS6/M MCB ERB6/M RCBO	27mm PLHT MCB	
3 phase 400A 18mm flat pan to suit 6kA & 10kA MCB							
ELS1-12/182	12	220	174	115	12		187.65
ELS1-18/182	18	220	228	115	18		220.70
ELS1-24/182	24	220	282	115	24		253.25
ELS1-30/182	30	220	336	115	30		289.90
ELS1-36/182	36	220	390	115	36		328.75
ELS1-42/182	42	220	444	115	42		370.35
ELS1-48/182	48	220	498	115	48		411.80
ELS1-60/182	60	220	606	115	60		447.65
ELS1-72/182	72	220	714	115	72		507.15
ELS1-84/182	84	220	822	115	84		592.40
ELS1-96/182	96	220	930	115	96		663.70
3 phase 400A 18/27mm flat pan to suit 6kA & 10kA MCB							
ELS1-12/18272	12	220	201	115	6	6	221.15
ELS1-18/18272	18	220	255	115	12	6	263.40
ELS1-24/18272	24	220	309	115	18	6	306.05
ELS1-30/18272	30	220	363	115	24	6	344.10
ELS1-36/18272	36	220	417	115	30	6	408.90
ELS1-42/18272	42	220	498	115	30	12	466.65
ELS1-48/18272	48	220	552	115	36	12	526.90
ELS1-60/18272	60	220	660	115	48	12	647.30
ELS1-72/18272	72	220	768	115	60	12	827.40
3 phase 400A 27mm flat pan to suit 6kA & 10kA MCB							
ELS1-12/272	12	220	228	115		12	213.60
ELS1-18/272	18	220	309	115		18	256.85
ELS1-24/272	24	220	390	115		24	291.55
ELS1-30/272	30	220	471	115		30	348.30
ELS1-36/272	36	220	552	115		36	393.90
ELS1-42/272	42	220	633	115		42	454.45
ELS1-48/272	48	220	714	115		48	505.25
ELS1-60/272	60	220	876	115		60	633.90
ELS1-72/272	72	220	1038	115		72	746.85



Panel Mount Traditional - Type E Cam Switches

Part No.	No. of poles	AC3 A	Description	Price \$
T0-1-8200/E + FS908	1	20	Cam switch with ON/OFF front plate	55.99
T0-1-102/E + FS908	2	20	Cam switch with ON/OFF front plate	58.99
T0-1-8201/E	2	20	Cam switch with OFF/ON front plate	58.99
T0-2-1/E + FS908	3	20	Cam switch with ON/OFF front plate	64.50
T0-1-8210/E + FS1627	1	20	Cam switch with AUTO/OFF/MAN front plate	66.88
T0-2-8211/E + FS1627	2	20	Cam switch with AUTO/OFF/MAN front plate	77.65
T0-3-8212/E + FS1627	3	20	Cam switch with AUTO/OFF/MAN front plate	90.17
T0-1-8220/E	1	20	Cam switch with AUTO/MAN front plate no OFF position	71.38
T0-2-142/E	1	20	Step switch 4 position with 0,1,2,3 front plate	89.34
T0-3-8401/E	3	20	Reversing switch with 1,0,2 front plate	96.43



E STYLE

Panel Mount with 22mm Centre Mount - Type EZ Cam Switches

Part No.	No. of poles	AC3 A	Description	Price \$
T0-1-8200/EZ + FS908	1	20	Cam switch with ON/OFF front plate	58.61
T0-1-8210/EZ + FS1627	1	20	Cam switch with AUTO/OFF/MAN front plate	64.50
T0-2-8211/EZ + FS1627	2	20	Cam switch with AUTO/OFF/MAN front plate	87.04



EA/SVB STYLE

Panel Mount with Pad Lockable handle - Type EA/SVB Cam Switches

Part No.	No. of poles	AC3 A	Description	Price \$
T0-1-8200/EA/SVB	1	20	Isolating switch ON/OFF with red yellow handle	102.57
T0-1-102/EA/SVB	2	20	Isolating switch ON/OFF with red yellow handle	99.56
T0-2-1/EA/SVB	3	20	Isolating switch ON/OFF with red yellow handle	111.83
P1-25/EA/SVB	3	25	Isolating switch ON/OFF with red yellow handle	127.37
P1-32/EA/SVB	3	32	Isolating switch ON/OFF with red yellow handle	167.26
P3-63/EA/SVB	3	63	Isolating switch ON/OFF with red yellow handle	301.19
P3-100/EA/SVB	3	100	Isolating switch ON/OFF with red yellow handle	411.32

Cam switches come with front plate engraved as nominated in the description.

For customised front plate engraving please allow \$2.60 and send your enquiry to our sales office

For customised switches, please enquire

Please enquire for enclosed and Din mounted cam switches.



EZ STYLE

Related products:



Eaton Variable Speed Drives
p.256



Installation Accessories
p.275



Combination Outlets
p.301



Limit Switches
p.236



EASY-512-AC-RC



EASY-719-DC-RC



EASY-200-EASY



EASY-M-8K



EASY-PC-CAB

Screw terminals

Operational temp range : -25 deg c to 55 deg c

More than 20 standard functions in 1 unit

Same profile as a miniature circuit breaker

Part no.	Description	Power Supply	Digital Inputs	Relay Outputs	Transistor Outputs	Price \$
EASY-512-AC-R	Control relay	100/240V AC	8AC	4		391.62
EASY-512-AC-RC	Control relay + timer	100/240V AC	8AC	4		421.17
EASY-512-AB-RC	Control relay + timer	24V AC	8	4		391.62
EASY-512-DC-R	Control relay	24V DC	8	4		412.17
EASY-512-DC-RC	Control relay + timer	24V DC	8	4		450.72
EASY-512-DC-TC	Control relay + timer	24V DC	8		4	406.39
EASY-512-DA-RC	Control relay + timer	12V DC	8	4		450.72
EASY-719-AC-RC	Control relay + timer expandable	115/230V AC	12AC	6		628.06
EASY-719-AB-RC	Control relay + timer expandable	24V AC	12	6		628.06
EASY-719-DC-RC	Control relay + timer expandable	24V DC	12	6		657.49
EASY-721-DC-TC	Control relay + timer expandable	24V DC	12		8	657.49
EASY-819-AC-RC	Control relay + timer expandable	100/240V AC	12	6		1,090.56
EASY-819-DC-RC	Control relay + timer expandable	24V DC	12	6		1,090.56
EASY-821-DC-TC	Control relay + timer expandable	24V DC	12		8	1,090.56

Accessories

Part no.	Description	Power Supply	Digital Inputs	Relay Outputs	Transistor Outputs	Price \$
EASY 618-AC-RE	Expansion unit	115/230V AC	12AC	6		410.80
EASY-620-DC-TE	Expansion unit	24V DC	12		8	428.56
EASY 200-EASY	Coupling unit for 500 & 700 series					125.61
EASY-M-32K	Memory card for archiving circuits for 500 & 700 series					90.67
EASY-M-256K	Memory card for archiving circuits for 800 series					117.00
EASY-PC-CAB	Cable for programming (not required) for 700 & 800 series					156.00
EASY-SOFT-PRO	Software for designing, printing, simulating & transferring programs					568.95
EASY-200-POW	Power supply 0.3A output					107.83
EASY-400-POW	Power supply 1.25A output					182.00
EASY-USB-CAB	Programming cable with USB					343.90

Please enquire for these other products in the Eaton range

- Limit, safety, proximity, pressure & float switches
- Load break and isolating switches
- Automatic and manual changeover switches
- Star delta / reversing and auto transformer starters
- Signal towers
- Plastic and metal enclosures
- PLC systems
- MCCB chassis to 1000A



E Series NV UPS - Single phase

Power Rating: 400,600,800,1000,1400,2000 vA tower models

Voltage: 162 to 290 vAC

Frequency: 50/60 Hz (auto-sensing)

Technology: Line Interactive with Automatic Voltage regulation

Features:

Automatic Voltage Regulation (AVR) stabilizes fluctuating power sources

Microprocessor control design ensures high reliability

Up to 4 receptacles, allowing easy equipment connection

User replaceable batteries allow easy maintenance

Start-on-battery provides portable power capability

WINPOWER software monitors power conditions and gracefully shuts down computer applications prior to battery depletion

Intuitive LED indicators display UPS status

USB cable and manual supplied with all models

2 x Output IEC to AUS 10amp leads provided with 1000 to 2000va units



Part no.	Description	Price \$
ENV600HA	600VA/360W 2 X Australian sockets	POA
ENV800HA	800VA/480W 2 X Australian sockets	POA
ENV1000HA	1000VA/600W 6 X IEC sockets	POA
ENV1400HA	1400VA/840W 6 X IEC sockets	POA
ENV2000HA	2000VA/1200W 6 X IEC sockets	POA
<i>For peace of mind you can purchase extended warranties</i>		
WP811	NV 600-800VA 3 year extended warranty	POA
WP812	NV 1000-2000VA 3 year extended warranty	POA

E Series DX UPS - Three phase

Power Rating: 20kVA, 30kVA, 40kVA

Voltage: 380/400/415 vac (L-L)

Frequency: 40/65 Hz (self-adaptive to 50Hz and 60Hz)

Wiring: 3-Phase + N + E

Power Factor: >0.99

Battery: Maintenance free VRLA batteries

Part no.	Description	Price \$
EDX20K4AU	20kVA UPS internal battery 8 min run time	POA
EDX30K4AU	30kVA UPS internal battery 9-14 min run time	POA
EDX40K4AU	40kVA UPS internal battery 5-8 min run time	POA

Notes -

For longer run times please enquire.

Run times can be extended by using external battery packs.

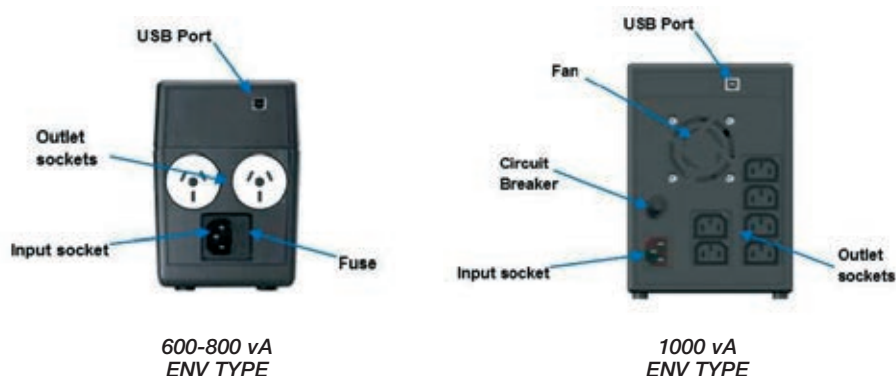
We can provide quotations for all UPS enquiries, please send in your specifications

Larger UPS systems require bypass switches, on site commissioning and delivery to site

Each project is unique, so for accurate quoting, please forward your specifications

Eaton UPS are world class and suitable for critical applications such as:

Hospitals, Police Stations, Ambulance Stations, Schools, Nursing Homes, Casinos



TIMING PRODUCTS, SWITCHING, TRANSFORMERS & POWER SUPPLIES

Economy timing relays & accessories.....	127
Multi function timing relays	127
Solid state timers.....	127
Time clocks.....	128
Electro mechanical time clocks.....	128
Solid state relays, dimmers & heat sinks.....	129
Eureka Square, flat & round pin relays.....	129
Heavy duty relays	130
Phase fail relays.....	130
Counters	130
Hour run meters	130
Omron Square, flat & round pin relays.....	131
Transformers	133
Switch mode power supplies	134
Control amp power supplies.....	134

Eureka

Economy Multi Range Timer

Part no.	Description	Price \$
TT3M-3S12D	12V DC 8 Pin Timer, 3s-30min, 6s-60min Multi-range Timer	83.36
TT3M-3S24	24V AC 8 Pin Timer, 3s-30min, 6s-60min Multi-range Timer	83.36
TT3M-3S240	240V AC 8 Pin Timer, 3s-30min, 6s-60min Multi-range Timer	83.36
TT3M-3S415	415V AC 8 Pin Timer, 3s-30min, 6s-60min Multi-range Timer	83.36



TT3M-3S240



TH5C-11S

Multi Range / Multi Function Timer

Part no.	Description	Price \$
TM48S-3	24-240V AC/DC 3s-30min Multi-range Timer	166.83
TM48S-3M	24-240V AC/DC 3min-30hrs Multi-range Timer	166.83
TM48S-6	24-240V AC/DC 6s-60min Multi-range Timer	166.83
TH3CR-A	240V AC Multi-function, Multi-range 11 pin Timer	166.83
TH3CR-A8	240V AC Multi-function, Multi-range 8 pin Timer	166.83
TH5C-11S	110-240V AC 11 pin Multi-function Digital Timer 0.001s-9999hr, 1C Contacts	201.31
TH5C-11D	110-240V AC 11 pin Digital Timer 0.001s - 9999hr, 2C or 1A1C Contacts	201.31
EUR-DH48S-S	Twin Timer 1sec - 99 minutes, 100-240VAC/DC	167.28



EUR-DH48S-S



EUR19M



EUR19Y

Multi Range / Multi Voltage Timer

Part no.	Description	Price \$
CRM-91H UNI	12-240V AC/DC Multi-function Timer, 0.1s - 10days	179.87
CRM-93H UNI	12-240V AC/DC Multi-function Timer, 0.1s - 10days 3 c/o contacts	194.20
EUR19M	24-240VAC Multi Function Timer 0.6s ~ 100hrs	157.01
CRM-82TO UNI	12-240V AC/DC Delay Off Timer, 1s - 10min	228.91
SMR-T	230V AC Multi-function Time Delay Relay (Fan Run On Timer)	96.45
EUR19-1	Din Rail Timer, On Delay 0.3sec - 30min, 100-240V AC/DC	129.24
EUR19-3	Din Rail Timer, On Delay 0.1min - 10hrs, 100-240V AC/DC	129.24
EUR19-Y	Star Delta Timer 1s ~ 100sec 240V	145.61



CRM-91H UNI



SMR-T



CRM-82TO

Timing Relay Bases

Part no.	Description	Mounting Style	Price \$
US-08	Round 8 pin base	Panel	6.89
P2CF-08	Round 8 pin base with clips	Din	27.20
P2CF-11	Round 11 pin base with clips	Din	32.73
P3G-08	8 pin base back wired	Surface	9.20
P3G-11	11 pin base back wired	Surface	16.25



US-08



Y48

Panel Mount Accessories

Part no.	Description	Price \$
Y40	Panel mount to suit TT3M-3S...	10.89
Y48	Panel mount to suit TM-48S	7.68



P2CF-08



P2CF-11

Solid State Timers

All solid state, no moving contacts. Operating voltage , 18 - 240VAC or DC 1.5 Amp
0.3 to 10 minutes time adjustable. Digital timing circuit.
Two terminal connection.

Part no.	Type	Price \$
ICM105	Delay on make, compressor start up delay timer	54.52
ICM203	Delay on break, anti short cycle / lockout timer	54.52



ICM 105



ICM 203

Eureka



SUL181H



SUL180A



AH711



PET 010



AHC-812



TM-848

EATON

NEW



TSDQ1CO



TSSD1NO



TSDW1COA



TSDW1COMIN



KS55-12HR



MT030

Eureka Time Clocks

Eureka time clocks for residential and commercial applications. Easy to program, analogue (240VAC) and digital types (240VAC / 24VDC / 12VDC).

Part no.	Description	Price \$
<i>Analogue 240VAC</i>		
SUL180A	1 channel compact 18mm wide 24hr time clock with 70hr battery backup, 15 minute increments	64.00
SUL181H	1 channel 54mm wide 24hr time clock din mount with 150hr battery backup, MCB profile	80.85
AH711	1 channel 54mm wide 24hr time clock din mount with 70hr battery backup, 30 minute increments	72.00
<i>Digital</i>		
PET 010	1 channel 36mm wide 240VAC 24 hour 7 day time clock din rail mount	176.03
AHC-812	2 channel 36mm wide 240VAC 24 hour 7 day time clock, reserve 16A	176.03
EUR15A	1 channel 36mm wide 240VAC 7 day time clock, SPDT 16A AC1 rated	167.28
TM-848	1 channel 36mm wide 240VAC or 24VDC 7 day time clock din rail mount	176.03
TM-848-12VDC	1 channel 36mm wide 12VDC 7day time clock din rail mount	176.03

Eaton Time Clocks

Eaton time clocks for residential and commercial applications. Easy to program, analogue and digital types available. Computer aided programming available for digital models.

Part no	Description	Price \$
<i>Analogue</i>		
TSSD1CO	1 channel 18mm wide 24hr time clock no reserve with c/o contact	235.00
TSSD1NO	1 channel 18mm wide 24hr time clock no reserve with n/o contact only	90.00
TSQD1CO	1 channel 54mm wide 24hr time clock 200hr reserve with c/o contact	145.00
TSQD1NO	1 channel 54mm wide 24hr time clock 3year reserve with n/o contact only	100.00
TSQW1CO	1 channel 54mm wide 7day time clock 200hr reserve with c/o contact	195.00
<i>Digital</i>		
TSDW1CO	1 channel 36mm wide 7day 10yr reserve with c/o contact	235.00
TSDW1COMIN	1 channel 18mm wide 7day 10yr reserve with c/o contact	275.00
TSDW1CODG	1 channel 36mm wide 7day 10yr reserve with c/o contact with pulse output for bells and alarms. Good for schools	325.00
TSDW2CO	2 channel 36mm wide 7day 10yr reserve with c/o contact	300.00
TSAMEMKIT	Programming cable, cable and memory card to suit all digital range	250.00
TSAMEM	Memory card to suit digital range	75.00

Electro Mechanical Time Clocks

KS55 ...The time delay is set by fully turning the adjustment knob to pre-tension the internal spring, and then turning the dial back to the required time delay.

Part no.	Description	Price \$
KS55-5M	Electro mechanical manual operated time clock 0-5 min N/O, change over contacts	235.74
KS55-15M	Electro mechanical manual operated time clock 0-15 min N/O, change over contacts	235.74
KS55-30M	Electro mechanical manual operated time clock 0-30min N/O, change over contacts	235.74
KS55-60M	Electro mechanical manual operated time clock 0-60 min N/O, change over contacts	235.74
KS55-120M	Electro mechanical manual operated time clock 0-120 min N/O, change over contacts	235.74
KS55-6HR	Electro mechanical manual operated time clock 0-6 hour N/O, change over contacts	235.74
KS55-12HR	Electro mechanical manual operated time clock 0-12 hour N/O, change over contacts	235.74
KS55-24HR	Electro mechanical manual operated time clock 0-24 hour N/O, change over contacts	235.74

Electro Mechanical Panel Mount Time Clocks

Part no.	Description	Price \$
MT05	Mechanical Spring Wound Timer 0-5min, 2 N/O	62.36
MT015	Mechanical Spring Wound Timer 0-15min, 2 N/O	62.36
MT030	Mechanical Spring Wound Timer 0-30min, 2 N/O	62.36
MT060	Mechanical Spring Wound Timer 0-60min, 2 N/O	62.36
MT0120	Mechanical Spring Wound Timer 0-120min, 1 N/O, 1N/C	62.36

Solid State Relays

Zero crossing turn on. Zero current turn off.
With led indication. Operating temperature 20-80° C.
Load current is based on the correct heatsink being used.

Part no.	Load Current AC	Load Voltage Range	Input Signal	Price \$
SRA2510N	10	90 - 240V AC	90 - 250V AC	58.36
SRA2525N	25	90 - 240V AC	90 - 250V AC	61.86
SRU2425N	25	90 - 240V AC	3 - 32V AC/DC	61.86
SRU2440N	40	90 - 240V AC	3 - 32V AC/DC	70.04
SRA2540N	40	90 - 240V AC	90 - 250V AC	74.89
SRA4840N	40	90 - 480V AC	90 - 480V AC	74.89

Silicone Heat Transfer Compound

Essential for maintaining a positive seal between the heat sink and the device.

Part no.	Description	Price \$
SIL10	Silicone heat transfer compound - 10gm	11.80
SIL150	Silicone heat transfer compound - 150gm	65.41

Solid State Dimmers

Block type variable voltage output type
Complete with external potentiometer

Part no.	Load current	Input signal	Price \$
SRR2510	10A	25-250VAC	106.33
SRR2525	25A	25-250VAC	129.00
SRR2540	40A	25-250VAC	147.19

Heatsinks

Part no.	Description	Price \$
TSSR02-1P	Heatsink to suit 1 SSR (replaces HS-1)	21.05
TSSR02-2P	Heatsink to suit 2 SSR (replaces HS-2)	33.35
TSSR02-3P	Heatsink to suit 3 SSR (replaces HS-3)	37.70
TSSR03	Din Rail Mounting Clip to suit Heatsink	5.08
TSSR04	Heat Conduction Rubber Pad	2.71

Refer page 344 for Temperature Controllers

Economy Square & Flat Pin with LED & Test Button

2 pole 10A, 4 pole 5A, bases are DIN rail mounted.
Available in 12VAC, 12VDC, 24VAC, 24VDC, 110VAC & 240VAC

Part no.	Description	No. of Pins	Price \$
TLY2-12VACLT	2 pole 10A 12 VAC	8	23.42
TLY2-12VDCLT	2 pole 10A 12 VDC	8	23.42
TLY2-24VACLT	2 pole 10A 24 VAC	8	23.42
TLY2-24VDCLT	2 pole 10A 24 VDC	8	23.42
TLY2-110VACLT	2 pole 10A 110 VAC	8	23.42
TLY2-240VACLT	2 pole 10A 240 VAC	8	23.42
TMY4-12VACLT	4 pole 5A 12 VAC	14	23.42
TMY4-12VDCLT	4 pole 5A 12 VDC	14	23.42
TMY4-24VACLT	4 pole 5A 24 VAC	14	23.42
TMY4-24VDCLT	4 pole 5A 24 VDC	14	23.42
TMY4-110VACLT	4 pole 5A 110 VAC	14	23.42
TMY4-240VACLT	4 pole 5A 240 VAC	14	23.42

Bases To Suit Square & Flat Pin Relays

Part no.	Description	No. of Pins	Price \$
PTF-08A	2 pole 10A	8	13.09
PTF-08I	2 pole 10A (IZUMI)	8	17.21
PYF-14A-E	4 pole 5A	14	17.21
NDSQ-14	4 pole 5A (IZUMI style)	14	16.59

Eureka



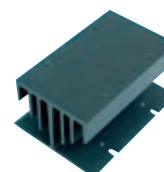
SIL150



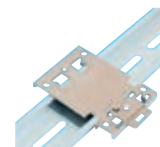
SRR2540



SRR2540 Potentiometer & Knob



TSSR01-2P



TSSR03



TSSR04



TLY2



TMY4



PTF-08A



NDSQ-14

Eureka*

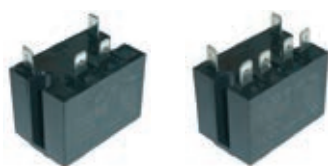


TMK3P



PF-083A-E

PF-113A-E



HF-116-2/
240-L1HS

HF-116-2/
24A-L2HS



692/240A5-2C22F



XPC 2903527



LFC-6S



DHC3J-6VL



EUR3J-6H



49555



EUR-3L-6

Round Pin Relays With Led & Test Button

Part no.	Description	No. of Pins	Price \$
TMK2P(...V)LT	2 pole 10A	8	28.90
TMK3P(...V)LT	3 pole 10A	11	37.42

Bases To Suit Round Pin Relays

Part no.	Description	No. of Pins	Price \$
PF-083A-E	2 pole	8	11.01
PF-113A-E	3 pole	11	14.67

Heavy Duty Relays

Part no.	Description	Price \$
HF-116F-2/240-L1HS	240V AC 30A 3hp rated SPST	37.93
HF-116F-2/24A-L2HS	24V AC 25A 2hp rated DPST	37.93
692/240A5-2C22F	30A 240V AC DPDT 2.5HP heavy duty relay	37.93
692/024A6-2C22F	30A 24V DPDT 2.5HP heavy duty relay	37.93

Phoenix Contact Phase Fail Relays

NEW

Part no.	Description	Price \$
XPC 2903527	Phase sequence, phase failure and asymmetry of 3 phase voltages	125.00

Electro Magnetic Counter

6 digit. 20cps. 50mm x 25mm.
Available in 12VDC, 24VDC, 110VAC & 220VAC
Reset button.

Part no.	Price \$
LFC-6S	73.54

Digital Self Powered Counter

6 digit. 48mm x 24mm.

Part no.	Description	Price \$
DHC3J-6VL	Non voltage input, Reset button, 100cps	192.90
EUR3J-6H	Self Powered Counter, 200cps	119.99
EUR10J	100-240V AC Digital Counter(0-9999) / Timer(0.01s-99h59m)	173.32

Hour Run Meters

* 48 X 48 X 40mm. IP40. Time range - 0 to 99,999.99 hours.

Part no.	Voltage	Hz	Price \$
49552*	24VAC	50	79.92
49555*	240VAC	50	79.92
49560*	12 / 36VDC	DC	79.92
04694*	240VAC	50	141.09
EUR-3L-6	Self Powered Hour Run Meter, 999999h59m		119.99
EUR-3L-A6	Hour Run Meter, 110 - 240V AC, 999999h59m		119.99
THM142-1-24VAC	Hour Run Meter, 24VAC, 48 x 48mm		67.89
THM142-1-240VAC	Hour Run Meter, 240VAC, 48 x 48mm		67.89

The OMRON range of relays and bases are an internationally recognised range of products. The range consists of units with and without test buttons in 2 and 4 pole with bases to suit. All relays come complete with LED indicators to show power is available on the relay.



Slimline Relays With Test Button

Part no.	Voltage	No of poles	Contact arrangement	Amps	Price \$
G2R-1-SNI 24VAC	24V AC	1	SPDT	10A	20.20
G2R-1-SNI 24VDC	24V DC	1	SPDT	10A	12.87
G2R-1-SNI 240VAC	240V AC	1	SPDT	10A	33.47
G2R-1-SNI 12VAC	12V AC	1	SPDT	10A	20.20
G2R-2-SNI 24VAC	24V AC	2	DPDT	5A	22.12
G2R-2-SNI 24VDC	24V DC	2	DPDT	5A	15.01
G2R-2-SNI 240VAC	240V AC	2	DPDT	5A	35.50
G2R-2-SNI 12VAC	12V AC	2	DPDT	5A	22.12

Slimline Relay Bases

Part no.	Description	Price \$
P2RF-05-E	Relay base, screwed terminal to suit 1 pole G2R-1... slim line relay	10.55
P2RF-08-E	Relay base, screwed terminal to suit 2 pole G2R-2... slim line relay	18.40

Ultra Slim Interface Relays

6.2mm wide. 1 x C/O contact. c/w LED status indication. Din mount.

Coil consumption 0.17W, 24V AC/DC universal coil and base.

Relay and base supplied as one piece

G2RV-SL700 complete with screw terminal, G2RV-SL500 complete with cage clamp terminal.

Part no.	Voltage	No of poles	Contact arrangement	Amps	Price \$
G2RV-SL700 24VACDC	24V AC/DC	1	SPDT	6A	36.74
G2RV-SL700 240VAC	240V AC	1	SPDT	6A	36.74
G2RV-SL500 24VACDC	24V AC/DC	1	SPDT	6A	37.87
G2RV-SL500 240VAC	240V AC	1	SPDT	6A	37.87

Bridging Bars for G2RV Ultra Slim Relays

Used to bridge Active, Neutral (A1, A2) connections when mounting numerous relays together

Part no.	Color	Description	No of poles	Price \$
P2RVM-020 R	red	Bridging bar	2	3.84
P2RVM-030 R	red	Bridging bar	3	5.53
P2RVM-040 R	red	Bridging bar	4	7.34
P2RVM-100 R	red	Bridging bar	10	16.37
P2RVM-200 R	red	Bridging bar	20	28.22
P2RVM-020 S	blue	Bridging bar	2	3.84
P2RVM-030 S	blue	Bridging bar	3	5.53
P2RVM-040 S	blue	Bridging bar	4	7.34
P2RVM-100 S	blue	Bridging bar	10	16.37
P2RVM-200 S	blue	Bridging bar	20	28.22
P2RVM-020 B	black	Bridging bar	2	3.84
P2RVM-030 B	black	Bridging bar	3	5.53
P2RVM-040 B	black	Bridging bar	4	7.34
P2RVM-100 B	black	Bridging bar	10	16.37
P2RVM-200 B	black	Bridging bar	20	28.22



G2R-1-SNI



P2RF-08-E



G2RV-SL700
with P2RVM-030S fitted

OMRON



MY4IN



PYF08S



PYF14S



LY2



MKS2PIN



PF113A-E



TEW16...

Standard Relays With Square Slim Pins With Test Button

Part no.	Voltage	No of poles	Contact arrangement	Amps	Price \$
MY2IN-24VAC S	24V AC	2	DPDT	10A	56.32
MY2IN-24VDC S	24V DC	2	DPDT	10A	56.44
MY2IN-240VAC S	240V AC	2	DPDT	10A	56.32
MY4IN-24VAC S	24V AC	4	4PDT	5A	59.88
MY4IN-24VDC S	24V DC	4	4PDT	5A	59.88
MY4IN-240VAC S	240V AC	4	4PDT	5A	59.88

Standard Relay Bases To Suit MY2/4IN...

Part no.	Description	Price \$
PYF08S	Relay base, cage clamp terminal to suit 2 pole MY2IN... relay	21.45
PYF14S	Relay base, cage clamp terminal to suit 4 pole MY4IN... relay	34.82
PYF08A-N	Relay base, screwed terminal to suit 2 pole MY2IN... relay	14.90
PYF14A-N	Relay base, screwed terminal to suit 4 pole MY4IN... relay	19.98

Standard Relays With Square Standard Pins Without Test Button

Part no.	Voltage	No of poles	Contact arrangement	Amps	Price \$
LY2-24VAC	24V AC	2	DPDT	10A	30.65
LY2-24VDC	24V DC	2	DPDT	10A	30.65
LY2-240VAC	240V AC	2	DPDT	10A	30.65
LY4-24VAC	24V AC	4	4PDT	10A	60.11
LY4-24VDC	24V DC	4	4PDT	10A	60.11
LY4-240VAC	240V AC	4	4PDT	10A	60.11

Standard Relay Bases To Suit LY2/4...

Part no.	Description	Price \$
PTF08A-E	Relay base, screwed terminal to suit 2 pole LY2... relay	16.20
PTF14A-E	Relay base, screwed terminal to suit 4 pole LY4... relay	24.00

Standard Relays With Round Pins

Part no.	Voltage	No of poles	Contact arrangement	Amps	Pins	Price \$
MKS2PIN 24VAC	24V AC	2	DPDT	10A	8	33.52
MKS2PIN 24VDC	24V DC	2	DPDT	10A	8	33.52
MKS2PIN 240VAC	240V AC	2	DPDT	10A	8	33.52
MKS3PIN-5 24VAC	24V AC	3	3PDT	10A	11	37.53
MKS3PIN-5 24VDC	24V DC	3	3PDT	10A	11	37.53
MKS3PIN-5 240VAC	240V AC	3	3PDT	10A	11	37.53

Standard Relay Bases To Suit MKS2/3...

Part no.	Description	Price \$
PF083A-E	Relay base, screwed terminal to suit 2 pole MKS2... relay ,round 8 pin	13.50
PF113A-E	Relay base, screwed terminal to suit 3 pole MKS4... relay ,round 11 pin	18.00

Tend DOL Starters

Part no.	kW	V	Price \$
TEW11A63-(..*)	5.5	240	304.99
TEW11A93-(..*)	5.5	415	304.99
TEW16A63-(..*)	7.5	240	328.47
TEW16A93-(..*)	7.5	415	328.47
TEW2163-(..*)	11	240	387.05
TEW2193-(..*)	11	415	387.05

Price includes overload. Please nominate size required when ordering.

Standard Transformers

Manufactured to AS / NZS 61558

Input voltage 240VAC +/- 5%

Output voltage 24VAC

Frequency 50/60Hz

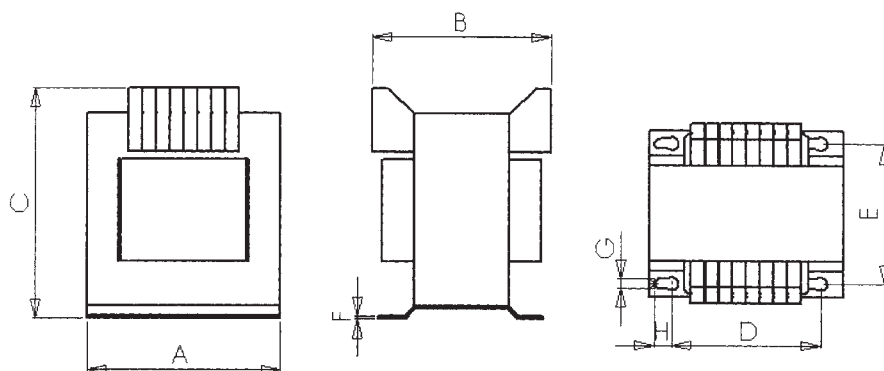
Rating 20VA - 800VA

Temperature rise 60 deg C

+5% / -5% voltage compensation on primary terminals, eg: 228V / 240V / 252V

All transformers supplied in a cardboard box with foam inserts for transporting.

Part no.	VA rating	A	B	C	D	E	F	G	H	Kg	Price \$
T20-240-24	20	78	72	95	56	46	1.2	4.6	8	1.4	67.56
T40-240-24	40	78	72	95	56	46	1.2	4.6	8	1.4	89.90
T63-240-24	63	78	72	95	56	46	1.2	4.6	8	1.5	97.41
T100-240-24	100	85	75	98	64	62	1.5	4.6	8	1.9	141.60
T160-240-24	160	96	92	110	84	74	1.5	5.8	10	2.5	157.18
T250-240-24	250	96	100	110	84	85	1.5	5.8	10	3.4	184.44
T400-240-24	400	120	100	130	90	85	2	5.8	10	5.6	232.47
T630-240-24	630	120	110	155	122	90	2	7	14	8.4	272.71
T800-240-24	800	120	130	155	122	105	2	7	14	9.5	318.19



T250-240-24



T63-240-24



TRANSPORT-SAFE
PACKAGING

Economy Multi Tapped Transformers

Dual tappings on primary and secondary sides

Industrial machine type

Part no.	VA rating	Dual input voltage	Dual output voltage	Dimensions L x W x H mm	Price \$
TOH40	40	415V / 240V	24V / 12V	85 X 76 X 56	72.86
TOH63	60	415V / 240V	24V / 12V	85 x 76 x 63	83.02
TOH100	100	415V / 240V	24V / 12V	88 x 95 x 83	119.42
TOH150	150	415V / 240V	24V / 12V	88 x 95 x 102	133.42
TOH250	250	415V / 240V	24V / 12V	88 x 95 x 116	155.65
TOH400	400	415V / 240V	24V / 12V	102 x 114 x 130	197.25
TOH500	500	415V / 240V	24V / 12V	113 x 132 x 96	228.29
TOH630	600	415V / 240V	24V / 12V	113 x 132 x 124	266.89

Special transformers can be manufactured in most configurations and VA sizes made to order.



MULTI TAPPED
TRANSFORMER



S-40-12



S-240-12



DIN BRACKET MED



DR-120-24



MDR-20-24

Meanwell Single Phase Output Power Supplies

Low cost, high reliability. High efficiency. Low working temperature. Built in EMI filter.
Approvals- UL, TUV, CE & C-tick

Part no.	Input	DC Output	Case	Price \$
S-25-5	85-264VAC / 120-370VDC	5V / 5A	99x97x35	110.22
S-25-12	85-264VAC / 120-370VDC	12V / 2.1A	99x97x35	110.22
S-25-24	85-264VAC / 120-370VDC	24V / 1.1A	99x97x35	110.22
S-40-5	85-264VAC / 120-370VDC	5V / 8A	129x98x38	129.86
S-40-12	85-264VAC / 120-370VDC	12V / 3.5A	129x98x38	129.86
S-40-24	85-264VAC / 120-370VDC	24V / 1.8A	129x98x38	129.86
S-60-5	85-264VAC / 120-370VDC	5V / 12A	159x97x38	152.61
S-60-12	85-264VAC / 120-370VDC	12V / 5A	159x97x38	152.61
S-60-24	85-264VAC / 120-370VDC	24V / 2.5A	159x97x38	152.61
S-100F-5	85-264VAC / 120-370VDC	5V / 20A	199x98x38	176.54
S-100F-12	85-264VAC / 120-370VDC	12V / 8.5A	199x98x38	176.54
S-100F-24	85-264VAC / 120-370VDC	24V / 4.5A	199x98x38	176.54
S-150-5	85-264VAC / 120-370VDC	5V / 30A	199x110x50	218.13
S-150-12	85-264VAC / 120-370VDC	12V / 12.5A	199x110x50	218.13
S-150-24	85-264VAC / 120-370VDC	24V / 6.5A	199x110x50	218.13
S-240-5	85-264VAC / 120-370VDC	5V / 40A	205x93x65	348.78
S-240-12	85-264VAC / 120-370VDC	12V / 18A	205x93x65	348.78
S-240-24	85-264VAC / 120-370VDC	24V / 10A	205x93x65	348.78

Din Rail Brackets To Suit

Part no.	Description	Price \$
DIN BRACKET SML	To suit S25 & S40	26.64
DIN BRACKET MED	To suit S60, S100F & S150	26.64
DIN BRACKET LGE	To suit S240	26.64

Meanwell Single & Three Phase Output Power Supplies

From 45W to 480W. UL, CE and C tick approved. Din rail mount
Protections - Short circuit, Over load, Over voltage, Over temp. High efficiency
Single phase and three phase (4 wire) input .
DR120... and DR480... units have AC adjustment on input via a selector switch

Part no.	Input	DC Output	Case	Price \$
<i>Single phase units</i>				
DR45-05	85-264VAC / 120-370VDC	5V / 5A	93x78x67	129.86
DR45-12	85-264VAC / 120-370VDC	12V / 3.5A	93x78x67	129.86
DR45-15	85-264VAC / 120-370VDC	15V / 2.8A	93x78x67	129.86
DR45-24	85-264VAC / 120-370VDC	24V / 2A	93x78x67	129.86
DR75-12	85-264VAC / 120-370VDC	12V / 6.3A	56x126x100	221.40
DR75-24	85-264VAC / 120-370VDC	24V / 3.2A	56x126x100	221.40
DR75-48	85-264VAC / 120-370VDC	48V / 1.6A	56x126x100	221.40
DR120-12	85-264VAC / 120-370VDC	12V / 10A	66x126x100	229.14
DR120-24	85-264VAC / 120-370VDC	24V / 5A	66x126x100	229.14
DR120-48	85-264VAC / 120-370VDC	48V / 2.5A	66x126x100	229.14
DRP240-24	85-264VAC / 120-370VDC	24V / 10A	126x126x100	252.67
DRP240-48	85-264VAC / 120-370VDC	48V / 5A	126x126x100	252.67
DRP480S-24	85-264VAC / 120-370VDC	24V / 20A	227x126x100	423.62
DRP480S-48	85-264VAC / 120-370VDC	48V / 10A	227x126x100	423.62
<i>Three phase units</i>				
DRT-240-24	340-550VAC 4 wire	24V / 10A	126x126x100	377.91
DRT-240-48	340-550VAC 4 wire	48V / 5A	126x126x100	377.91
DRT-480-24	340-550VAC 4 wire	24V / 20A	227x126x100	473.68
DRT-480-48	340-550VAC 4 wire	48V / 10A	227x126x100	473.68
<i>Single phase slimline units</i>				
MDR-20-5	85-264VAC / 120-370VDC	5V / 2.5A	23x90x100	145.50
MDR-20-12	85-264VAC / 120-370VDC	12V / 1.65A	23x90x100	145.50
MDR-20-24	85-264VAC / 120-370VDC	24V / 1A	23x90x100	145.50

Please refer page 189 for Phoenix Contact Quint, Trio and Uno power supplies

LS SWITCHGEAR

MC Metasol contactors	137
MT Metasol overloads	138
GMP Metasol electronic overloads	139
GMC Mini contactors & overloads	139
Metasol contactors accessories	140
Metasol contactor relays	141
Metasol power factor correction contactors	142
Reactors, functional plates, capacitors and step controllers	142
MMS LS motor protection circuit breakers & accessories.....	143
BKN LS miniature circuit breakers & accessories	144
LS RCD, RCBO & Din isolators	146
Eureka 6 and 10kA MCB chassis	147
Susol moulded case circuit breakers	153
Susol moulded case circuit breaker accessories	161
Susol MCCB RCD protection units.....	163
Susol Moulded case circuit breaker chassis	163
Susol Air circuit breakers & accessories	164
Type 2 co-ordination, cascading and enhanced discrimination charts	171



The LS range of switchgear is a modern and complete range covering -

- > Contactors and Thermal overloads up to 800A
- > Electronic overloads
- > Miniature circuit breakers to 125A
- > Moulded case circuit breakers and accessories up to 1600A
- > Air circuit breakers and accessories up to 6300A
- > Motor circuit breakers and accessories up to 100A
- > Residual current devices (RCD) and residual current circuit breakers (RCBO)
- > Power factor correction contactors and accessories
- > Standard and hybrid chassis to suit MCB and MCCB units.

All tech data is available in these catalogues, as well as a comprehensive software package to help with -

- > The design of an electrical power system from the transformer to MCB
- > Study of prospective fault currents once the power system is designed
- > Automatic circuit breaker selection once this prospective fault current has been considered
- > Automatic development of circuit breaker curves to help with discrimination in the power system



Please contact your distributor for any assistance required with the LS range of products.

Metasol

LS Metasol- Contactors Standard Frame

From 9A to 800A.

8 frame sizes available

Top and side mount auxiliary contacts

Coil connection terminals are on both sides of the contactor

1 N/O or 1 N/C auxiliary on units up to 22A

2 N/O and 2 N/C auxiliaries on units from 185A to 800A

Universal AC/DC coil on units from MC-185A units and above

All coils are 50/60Hz rated

IEC / CE, UL 508 certified.

4 pole units available on request.

Please specify one of the following coil voltages when ordering units up to MC 185A-

For AC units 24VAC, 32VAC, 48VAC, 110VAC, 240VAC, 415VAC

For DC units 12VDC, 24VDC, 48VDC

Please specify one of the following coil voltages when ordering units above MC 185A-

For universal units 24VAC/ DC, 48VAC/DC, 110-220 VAC/DC, 380-450VAC only

Other coil voltages available on request

3 Pole Contactors

Part no	415V Kw rating	AC3 rating at 415V	AC1 rating at 415V	Auxiliary Contacts	Price \$ AC Units	Price \$ DC Units
MC-9B(...V)	5	9	25	1 N/O 1 N/C	101.02	134.72
MC-12B(...V)	5.5	12	25	1 N/O 1 N/C	119.03	158.76
MC-18B(...V)	7.5	18	32	1 N/O 1 N/C	148.94	198.55
MC-22B(...V)	11	22	40	1 N/O 1 N/C	200.97	267.97
MC-32A(...V)	15	32	50	2 N/O 2 N/C	298.55	398.11
MC-40A(...V)	18.5	40	60	2 N/O 2 N/C	362.61	483.44
MC-50A(...V)	22	50	70	2 N/O 2 N/C	399.52	532.71
MC-65A(...V)	30	65	100	2 N/O 2 N/C	491.34	959.95
MC-75A(...V)	37	75	110	2 N/O 2 N/C	595.08	793.45
MC-85A(...V)	45	85	135	2 N/O 2 N/C	627.02	836.01
MC-100A(...V)	55	105	160	2 N/O 2 N/C	698.64	931.56
MC-150A(...V)	75	150	210	2 N/O 2 N/C	1,301.79	1,735.62
MC-185A(...V)	90	185	230	2 N/O 2 N/C	1,658.13	1,968.54
MC-225A(...V)	132	225	275	2 N/O 2 N/C	2,210.09	2,210.09
MC-330A(...V)	160	330	350	2 N/O 2 N/C	3,250.80	3,251.93
MC-400A(...V)	200	400	450	2 N/O 2 N/C	3,645.86	3,645.86
MC-500A(...V)	265	500	580	2 N/O 2 N/C	5,157.26	5,157.26
MC-630A(...V)	330	630	660	2 N/O 2 N/C	7,051.30	7,051.30
MC-800A(...V)	440	800	900	2 N/O 2 N/C	8,926.16	8,926.16



MC-22



MC-40



MC-65



MC-100



MC-150



MC-225



MC-400



MC-800

Table of specifications

Frame Size	Width	Dimensions Height	Depth AC / DC	Coil Consumption at 20 deg C			
				24 / 240VAC 50hz		24 / 110VDC	
				Inrush (VA)	Holding (VA)	Inrush (VA)	Holding (VA)
MC-9B to MC-22B	45	73.5	86/117.7	58	9	9	9
MC-32A to MC-40A	69	83	93/120	53	12	7	7
MC-50A to MC-65A	79	106	122/149	110	13	9	9
MC-75A to MC-100A	94	140	137/174	229	17	18	18
MC-130A to MC-150A	95	158	132	108	18	213	7.5
MC-185A to MC-225A	138	203	181	380	11.6	380	11.6
MC-265A to MC-400A	163	243	198	571	14	571	14
MC-500A to MC-800A	285	312	242	1000	29	1000	29

Metasol

LS Metasol- Overloads

Direct mounting up to MC100A contactors
 1 N/O and 1 N/C trip contacts
 Differential and phase fail protection
 Trip class 10A (Class 20 available on request)
 Manual or automatic reset button
 Stop / test button
 Bi metal style trip mechanism
 Protective cover with seal over adjustments
 IP20
 Rated impulse voltage (Uimp) 6kV



MT-32



MT-63



MT-95

Part no.	Suits contactor	Setting range A	Price \$
MT-32-0.16	MC-9B to MC-40A	0.1 - 0.16	119.82
MT-32-0.25	MC-9B to MC-40A	0.16 - 0.25	119.82
MT-32-0.4	MC-9B to MC-40A	0.25 - 0.4	119.82
MT-32-0.63	MC-9B to MC-40A	0.4 - 0.63	119.82
MT-32-1	MC-9B to MC-40A	0.63 - 1	119.82
MT-32-1.6	MC-9B to MC-40A	1 - 1.6	119.82
MT-32-2.5	MC-9B to MC-40A	1.6 - 2.5	119.82
MT-32-4	MC-9B to MC-40A	2.5 - 4	119.82
MT-32-6	MC-9B to MC-40A	4 - 6	119.82
MT-32-8	MC-9B to MC-40A	5 - 8	119.82
MT-32-9	MC-9B to MC-40A	6 - 9	119.82
MT-32-10	MC-9B to MC-40A	7 - 10	119.82
MT-32-13	MC-9B to MC-40A	9 - 13	119.82
MT-32-18	MC-9B to MC-40A	12 - 18	119.82
MT-32-22	MC-9B to MC-40A	16 - 22	119.82
MT-32-25	MC-9B to MC-40A	18 - 25	119.82
MT-32-32	MC-9B to MC-40A	22 - 32	119.82
MT-32-40	MC-9B to MC-40A	32 - 40	119.82
MT-63-36	MC-50A to MC-65A	24 - 36	233.65
MT-63-40	MC-50A to MC-65A	28 - 40	233.65
MT-63-50	MC-50A to MC-65A	34 - 50	233.65
MT-63-65	MC-50A to MC-65A	45 - 65	233.65
MT-95-50	MC-75A to MC-100A	34 - 50	374.29
MT-95-65	MC-75A to MC-100A	45 - 65	374.29
MT-95-75	MC-75A to MC-100A	54 - 75	374.29
MT-95-85	MC-75A to MC-100A	63 - 85	374.29
MT-95-95	MC-75A to MC-100A	70 - 95	374.29
MT-95-100	MC-75A to MC-100A	80 - 100	374.29
MT-150-85	MC-130A to MC-150A	63 - 85	473.96
MT-150-105	MC-130A to MC-150A	80 - 105	473.96
MT-150-130	MC-130A to MC-150A	95 - 130	473.96
MT-150-150	MC-130A to MC-150A	110 - 150	473.96
MT-225-125	MC-185A to MC-225A	85 - 125	673.53
MT-225-160	MC-185A to MC-225A	100 - 160	673.53
MT-225-185	MC-185A to MC-225A	120 - 185	673.53
MT-225-240	MC-185A to MC-225A	160 - 240	673.53
MT-400-185	MC-265A to MC-400A	120 - 185	767.55
MT-400-240	MC-265A to MC-400A	160 - 240	767.55
MT-400-330	MC-265A to MC-400A	200 - 330	767.55
MT-400-400	MC-265A to MC-400A	260 - 400	767.55
MT-800-300	MC-500A to MC-800A	200 - 300	2,918.95
MT-800-400	MC-500A to MC-800A	260 - 400	2,918.95
MT-800-600	MC-500A to MC-800A	400 - 600	2,918.95
MT-800-800	MC-500A to MC-800A	520 - 800	2,918.95

Please enquire for availability on some larger A overloads

Metasol

LS Electronic Overloads

Features include - Overcurrent protection, Phase failure protection, Motor stall protection
Please enquire for units with phase asymmetry protection
Direct mounting to MC range of contactors. Limits amount of overloads required to be stocked.
Can be ordered with 1 x N/O 1 x N/C as option. Stand alone units available.
RED led Indication. Inverse time characteristics 0-30sec.
Control voltage 110 / 220VAC, 50/60Hz
Please enquire for trip curves and dimensions
UL, CUL and CE certified

Part no.	Suits contactor	Current setting range (A)	Price \$
GMP22-2PA 1.5A	MC9B to MC-22B	0.3 - 1.5	307.02
GMP22-2PA 5A	MC9B to MC-22B	1 - 5	307.02
GMP22-2PA 22A	MC9B to MC-22B	4.4 - 22	307.02
GMP40-2PA 20A	MC32A to MC-40A	4 - 20	470.69
GMP40-2PA 40A	MC32A to MC-40A	8 - 40	470.69



GMP22-2PA 1.5A

LS MEC Mini Contactors and Overloads

Up to 16A in 1 frame size. For motor control and distribution switching.
Screw clamp connections 58 x 45mm in size. Use suffix (D) for DC contactors.
Please enquire for reversing contactor arrangements.

Part no.	415kW Rating	at 415V AC3 rating	at 415V AC1 rating	Auxiliary Contacts	Price \$ AC Units	Price \$ DC Units
GMC-6M-10	2.2	6	20	1 N/O	86.46	94.76
GMC-6M-01	2.2	6	20	1 N/C	86.46	94.76
GMC-9M-10	4	9	20	1 N/O	92.50	101.93
GMC-9M-01	4	9	20	1 N/C	92.50	101.93
GMC-12M-10	5.5	12	20	1 N/O	98.54	108.87
GMC-12M-01	5.5	12	20	1 N/C	98.54	108.87
GMC-16M-10	7.5	16	20	1 N/O	120.78	129.64
GMC-16M-01	7.5	16	20	1 N/C	120.78	129.64



GMC-9M

Please specify one of the following coil voltages:

24VAC, 32VAC, 110VAC, 240VAC, 415VAC, 24VDC

Overloads to suit LS MEC Mini Contactors

Bi - metallic style. Direct mount on mini contactors. Din rail mountable with optional base.
Tripping class 10A. Differential current / phase fail protection.
1 N/O and 1 N/C tripping contacts

Part no.	Suit contactor	Setting range A	Price \$
GTK-12M-0.16	GMC..M	0.1 - 0.16	101.36
GTK-12M-0.25	GMC..M	0.16 - 0.25	101.36
GTK-12M-0.4	GMC..M	0.25 - 0.4	101.36
GTK-12M-0.63	GMC..M	0.4 - 0.63	101.36
GTK-12M-1	GMC..M	0.63 - 1	101.36
GTK-12M-1.6	GMC..M	1 - 1.6	101.36
GTK-12M-2.5	GMC..M	1.6 - 2.5	101.36
GTK-12M-4	GMC..M	2.5 - 4	101.36
GTK-12M-6	GMC..M	4 - 6	101.36
GTK-12M-8	GMC..M	5 - 8	101.36
GTK-12M-9	GMC..M	6 - 9	101.36
GTK-12M-10	GMC..M	7 - 10	101.36
GTK-12M-13	GMC..M	10 - 13	101.36
GTK-12M-16	GMC..M	12 - 16	101.36



GTK-12M-8

Timing Unit to suit LS MEC Mini Contactors

Top mount. Electronic type. ON / OFF time delay.

Part no.	Description	Price \$
AT-12M/1N	On delay 0.1 - 30s 24 - 48V AC/DC	72.00
AT-12M/1F	Off delay 0.1 - 30s 24 - 48V AC/DC	84.00
AT-12M/2N	On delay 0.1 - 30s 100 - 220V AC	72.00
AT-12M/2F	Off delay 0.1 - 30s 100 - 220V AC	84.00



AU-4M40



AU-440



AU-10



UZ-32



UM-4R

Auxiliary Contacts

Top mount to suit GMC..M mini contactors. Snap fit connection. 2 and 4 pole in different combinations

Part no.	Number of auxiliaries	Contact arrangement	Fitting position	Rated operational A at 415V	Price \$
<i>Top mount to suit GMC..M mini contactors. Snap fit connection. 2 and 4 pole in different combinations</i>					
AU-1M11	2	1 X N/O 1 X N/C	Side	6	46.22
AU-2M20	2	2 X N/O	Top	6	46.22
AU-2M02	2	2 X N/C	Top	6	46.22
AU-2M11	2	1 X N/O 1 X N/C	Top	6	46.22
AU-4M40	4	4 X N/O	Top	6	90.13
AU-4M04	4	4 X N/C	Top	6	90.13
AU-4M31	4	3 X N/O 1 X N/C	Top	6	90.13
AU-4M13	4	1 X N/O 3 X N/C	Top	6	90.13
AU-4M22	4	2 X N/O 2 X N/C	Top	6	90.13

Top and side mount to suit MC-9B to MC-150A contactors.

Snap fit connection. 2 and 4 pole in different combinations

UA-111	2	1 X N/O 1 X N/C	Side	6	42.55
AU-220	2	2 X N/O	Top	6	49.78
AU-202	2	2 X N/C	Top	6	49.78
AU-211	2	1 X N/O 1 X N/C	Top	6	49.78
AU-440	4	4 X N/O	Top	6	97.69
AU-404	4	4 X N/C	Top	6	97.69
AU-431	4	3 X N/O 1 X N/C	Top	6	97.69
AU-413	4	1 X N/O 3 X N/C	Top	6	97.69
AU-422	4	2 X N/O 2 X N/C	Top	6	97.69

Side mount to suit MC-185A to MC-800A. Snap fit connection. 2 pole in different combinations

AU-100	2	1 X N/O 1 X N/C	L/H side	6	57.23
AU-100E	2	1 X N/O 1 X N/C	R/H side	6	57.23

Terminal Covers for MC Contactors

Contactors in the LS Metasol range above 185A (MC-185A) do not come with built in terminal covers or insulation barriers. 2 pieces per unit

Part no.	Suits contactor	Price \$
AP-220	MC-185A to MC225A	6.77
AP-400	MC-265A to MC-400A	9.03
AP-800	MC-500A to MC-800A	11.29

Insulation Barriers for MC contactors

Part no.	Suits contactor	Price \$
AI-180	MC-185A to MC-400A	4.52
AI-600	MC-500A to MC-800A	9.03

Separate Mounting Units for Overloads

Used to mount the overload separately from the contactor. Din rail or screw mount

Part no.	Suits overload	Price \$
UZ-32	MT-32...	26.19
UZ-63/S	MT-63...	40.30
UZ-95/S	MT-95...	55.20
UZ-150/S	MT-150...	65.30

Terminal Cover Units for Overloads

Covers exposed terminals on larger frame overloads. 2 pieces included per set

Part no.	Suits overload	Price \$
APT-225	MT-225	10.67
APT-400	MT-400	13.09
APT-600	MT-800	15.52

Remote Reset Units

Used to reset relays from panel door. Removes the need for personnel to access the live switchboard area. Cable length from 400mm to 600mm

Part no.	Cable length	Price \$
UM-4R	400mm	128.40
UM-5R	500mm	144.31
UM-6R	600mm	162.03

Mechanical Interlocks

Mechanical interlocks to prevent the dual operation of two contactors when mounted side by side

Part no.	Suits contactor	Price \$
AR-12M	GMC-6M to GMC-16M	21.95
UR-02	MC-9B to MC-150A	74.05
AR-180	MC-180A to MC-400A	171.74
AR-600	MC-500A to MC-800A	812.70

Wiring Kits for Reversing Contactors

Part no.	Suits contactor	Price \$
UW-22	MC-9B to MC-22B	36.40
UW-32	MC-32A to MC-40A	40.47
UW-63	MC-50 to MC-65A	47.18
UW-95	MC-75A to MC100A	94.42

Surge Unit

Absorbs the surge produced out of the coil of the switching contactor

Easily installed into the body of the contactor

Rated operational Voltage, 24VAC - 440VAC, 24VDC - 125VDC.

Rated insulation voltage - 1000v (Ui)

Rated impulse withstand voltage 8kV (Uimp)

Part no.	Composition	Rated Voltage	Internal elements			Price \$
			V	R	C	
US-1	Varistor + RC	24V - 48VAC	120V	100 Ω	0.1 uf	26.92
US-2	Varistor + RC	100 - 125VAC	270V	100 Ω	0.1 uf	26.92
US-3	Varistor + RC	200 - 240VAC	470V	100 Ω	0.1 uf	26.92
US-4	Varistor + RC	24 - 48VDC	120V	100 Ω	0.47uf	26.92
US-5	Varistor + RC	100 - 125VDC	270V	100 Ω	0.47uf	26.92
US-6	Varistor + RC	200 - 220VDC	470V	100 Ω	0.47uf	26.92
US-11	Varistor	24-48VAC/DC	120V	-	-	18.91
US-12	Varistor	100 - 125VAC/DC	270V	-	-	18.91
US-13	Varistor	200 - 240VAC/DC	470V	-	-	18.91
US-14	Varistor	380 - 440VAC/DC	1000V	-	-	18.91
US-22	RC	100 - 125VAC	-	56 Ω	1 uf	18.91

LS MEC Contactor Relays

Can be made 6 and 8 pole using standard top mount auxiliary contacts

Ideal for use in distribution boards with lighting control. Din rail mount.

Available in 24 & 240VAC.

Part no.	at 415V AC1 Rating (A)	Contact arrangement	Price \$
GMR-4-40	16A	4 N/O	171.74
GMR-4-31	16A	3 N/O 1 N/C	171.74
GMR-4-22	16A	2 N/O 2 N/C	171.74
GMR-4-04	16A	4 N/C	171.74
GMR-4-13	16A	1 N/O 3 N/C	171.74



AR-180



UW-22



GMR-4-40

Metasol

NEW


MC12B with AC-9 fitted



MC75A/AC-50



LRD 415-50



PFC MODULE WITH DIN FUSE



PFC MODULE WITH MCCB

LS Metasol Range- Capacitor Contactors

Capacitor unit (Pre loading resistor) is connected to the terminals of the contactor to reduce the inrush current exceeding 20 x In. These capacitive contactors are suitable for switching single-step or multi step condenser banks. IEC-60947-4941, UL and CSA certified

Features of capacitor unit (pre-loading resistor)

- Damping resistor that can limit the inrush current up to 60 X In when it is connected to the mechanism that closed earlier than the main contact of the contactor
- No heat loss by the serial resistor
- Eliminates the switching surge
- Improves the performance of the capacitor system

Din Rail mounted. From 14A to 94A. All coils are 50/60Hz rated

Please specify on of the following coil voltages when ordering - 24VAC, 240VAC, 415VAC, 24VDC

Contactor & PFC Auxiliary Contact need to be ordered separately.

Part no. Contactor	Part no. Auxiliary Contact	Maximum operating power (Kvar)			Rated Current (A)	Price \$	
		220 - 240V	400 - 440V	500 - 550V		Contactor	Auxiliary Contact
MC12B	AC-9	6.7	12.5	18	18	119.03	85.00
MC18B	AC-9	8.5	16.7	24	24	148.94	85.00
MC22B	AC-9	10	18	26	26	200.97	85.00
MC32A	AC-9	15	25	36	36	298.55	85.00
MC40A	AC-9	20	33.3	48	48	362.61	85.00
MC50A	AC-50	20	40	58	58	399.52	86.91
MC65A	AC-50	25	45.7	66	66	491.34	86.91
MC75A	AC-75	29.7	54	78	78	595.08	86.91
MC85A	AC-75	35	60	92	92	627.02	86.91
MC100A	AC-75	37	62	94	94	698.64	86.91

189 Hz Detuning Reactors

Part no.	Description	Price \$
LRD 415-12.5	3 phase tuning reactor 12.5 kVAR 189Hz	612.91
LRD 415-25	3 phase tuning reactor 25 kVAR 189Hz	1,021.91
LRD 415-50	3 phase tuning reactor 50 kVAR 189Hz	1,356.76
LRD 415-66.7	3 phase tuning reactor 66.7 kVAR 189Hz	1,842.12

Functional plates (Complete PFC modules)

Available in 3 different kVAR ratings, these units offer the flexibility to tailor make a system to suit your application. The assembly is presented in a modular plate format for easy installation in a switchboard or stand alone enclosure. Functional plates in 12.5, 25 and 50kVAR.

Compact modular design for easy installation and maintenance. Segregation between capacitors and reactors. Capacitor switching contactor with early make contact and damping resistors.

Temp rating of -40deg C to + 60 deg C allows the capacitor to cope with the most severe conditions.

Functional Plate with DIN Fuses

Part no.	Max Voltage (V)	Rated Current (A)	Din fuse Size 00	Contactor Metasol	Resistor Metasol unit (Aux contact)	Price \$
FCM12.5BR	525	17.5	32A	MC12B	AC-9	POA
FCM25BR	525	35	63A	MC32A	AC-9	POA
FCM50BR	525	70	125A	MC75A	AC-50	POA

Functional Plate with Moulded Case Circuit Breakers

Part no.	Max Voltage (V)	Rated Current (A)	MCCB Susol Ir setting (min)	Contactor Metasol	Resistor Metasol unit (Aux contact)	Price \$
FCM12.5BR-B	525	17.5	TS100NETS40	MC12B	AC-9	POA
FCM25BR-B	525	35	TS100NFMU40	MC32A	AC-9	POA
FCM50BR-B	525	70	TS100NFMU80	MC75A	AC-50	POA

3 Phase Capacitors & Step Controllers

Part no.	Description	Dimensions D x H (mm)	Weight	Price \$
R205DF	CLZ-FP-52/20, 20kvar 525V 50Hz capacitor	116 x 245	1.9kg	280.00
R205DG	CLZ-FP-52/25, 25kvar 525V 50Hz capacitor	116 x 245	2.1kg	376.00
R2055J	CLZ-FP-52/40, 40kvar 525V 50Hz capacitor	136 x 261	4.0kg	605.00
R13851	Smart III 6 step controller with measurement & comms	144 x 144		720.00
R13862	Smart III 12 step controller with measurement & comms	144 x 144		1,040.00
R10871	Max 6 step controller basic functions	144 x 144		680.00
R10872	Max 12 step controller basic functions	144 x 144		745.00

From 0.1 to 32A
Please enquire for units up to 100A

Thermal Magnetic Type - Rocker Actuator

Part no	Setting range A	AC-3 rating 415V Kw	Ka @ 415V	Price \$
MMS-32S.16	0.1 - 0.16	0.02	100	145.50
MMS-32S.25	0.16 - 0.25	0.06	100	145.50
MMS-32S.4	0.25 - 0.4	0.09	100	145.50
MMS-32S.63	0.4 - 0.63	0.12	100	145.50
MMS-32S1	0.63 - 1	0.25	100	145.50
MMS-32S1.6	1 - 1.6	0.55	100	145.50
MMS-32S2.5	1.6 - 2.5	0.75	100	145.50
MMS-32S4	2.5 - 4	1.5	100	145.50
MMS-32S6	4 - 6	2.2	100	145.50
MMS-32S8	6 - 8	3	100	145.50
MMS-32S10	8 - 10	4	38	145.50
MMS-32S13	10 - 13	5.5	38	161.07
MMS-32S17	13 - 17	7.5	15	161.07
MMS-32S22	17 - 22	7.5	11	161.07
MMS-32S26	22 - 26	11	11	161.07
MMS-32S32	26 - 32	15	11	161.07



MMS-32S4



MMS-32H6



MMS-32H-MC-32

Thermal Magnetic Type - Rotary Actuator

Part no	Setting range A	AC-3 rating 415V Kw	Ka @ 415V	Price \$
MMS-32H.16	0.1 - 0.16	0.02	100	169.09
MMS-32H.25	0.16 - 0.25	0.06	100	169.09
MMS-32H.4	0.25 - 0.4	0.09	100	169.09
MMS-32H.63	0.4 - 0.63	0.12	100	169.09
MMS-32H1	0.63 - 1	0.25	100	169.09
MMS-32H1.6	1 - 1.6	0.55	100	169.09
MMS-32H2.5	1.6 - 2.5	0.75	100	169.09
MMS-32H4	2.5 - 4	1.5	100	169.09
MMS-32H6	4 - 6	2.2	100	169.09
MMS-32H8	6 - 8	3	100	169.09
MMS-32H10	8 - 10	4	100	169.09
MMS-32H13	10 - 13	5.5	100	169.09
MMS-32H17	13 - 17	7.5	38	169.09
MMS-32H22	17 - 22	7.5	38	169.09
MMS-32H26	22 - 26	11	38	169.09
MMS-32H32	26 - 32	15	38	169.09

Motor Protective Circuit Breaker Accessories

Suit both S and H type

Part no.	Description	Price \$
MMS-FX	Top mount auxiliary contact c/w 1 N/O 1 N/C	24.95
MMS-LX	Side mount (left side)auxiliary contact c/w 1 N/O 1 N/C	27.32
MMS-LA	Side mount (left side) trip indication c/w 1 N/O 1 N/C	43.80
MMS-RS	Side mount (left side) shunt release c/w 1 N/O 1 N/C	75.74
MMS-RU	Side mount (right side) under voltage release c/w 1 N/O 1 N/C	75.74
DA-32 SA	Connection kit for MC-32/MC-40 contactors to MMS-32S	18.23
DA-32 HA	Connection kit for MC-32/MC-40 contactors to MMS-32H	18.23
PB-322	Commoning bus comb for connection of 2 x MMS-32...	43.68
PB-323	Commoning bus comb for connection of 3 x MMS-32...	54.63



MMS-FX



MMS-LX

Refer p.32 for Eureka Distribution boards and load centres to suit the LS MCB range.

6 kA - C Curve

Rated breaking capacity 6kA. From 1 to 63A. 17.5mm width

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
BKN61P1-C	1	19.08	BKN62P1-C	1	49.10	BKN63P1-C	1	87.25
BKN61P2-C	2	19.08	BKN62P2-C	2	49.10	BKN63P2-C	2	87.25
BKN61P3-C	3	19.08	BKN62P3-C	3	49.10	BKN63P3-C	3	87.25
BKN61P4-C	4	19.08	BKN62P4-C	4	49.10	BKN63P4-C	4	87.25
BKN61P6-C	6	19.08	BKN62P6-C	6	49.10	BKN63P6-C	6	87.25
BKN61P10-C	10	19.08	BKN62P10-C	10	49.10	BKN63P10-C	10	87.25
BKN61P16-C	16	19.08	BKN62P16-C	16	49.10	BKN63P16-C	16	87.25
BKN61P20-C	20	19.08	BKN62P20-C	20	49.10	BKN63P20-C	20	87.25
BKN61P25-C	25	19.08	BKN62P25-C	25	49.10	BKN63P25-C	25	87.25
BKN61P32-C	32	19.08	BKN62P32-C	32	49.10	BKN63P32-C	32	87.25
BKN61P40-C	40	19.08	BKN62P40-C	40	49.10	BKN63P40-C	40	87.25
BKN61P50-C	50	19.08	BKN62P50-C	50	49.10	BKN63P50-C	50	87.25
BKN61P63-C	63	19.08	BKN62P63-C	63	49.10	BKN63P63-C	63	87.25



BKN61P20-C



BKN63P20-C



BKN-B1P20-C



BKN-B3P20-C



BKH3P-100C

6 kA - D Curve

Rated breaking capacity 6kA. From 1 to 63A. 17.5mm width

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
BKN61P1-D	1	20.77	BKN62P1-D	1	56.10	BKN63P1-D	1	99.67
BKN61P2-D	2	20.77	BKN62P2-D	2	56.10	BKN63P2-D	2	99.67
BKN61P3-D	3	20.77	BKN62P3-D	3	56.10	BKN63P3-D	3	99.67
BKN61P4-D	4	20.77	BKN62P4-D	4	56.10	BKN63P4-D	4	99.67
BKN61P6-D	6	20.77	BKN62P6-D	6	56.10	BKN63P6-D	6	99.67
BKN61P10-D	10	20.77	BKN62P10-D	10	56.10	BKN63P10-D	10	99.67
BKN61P16-D	16	20.77	BKN62P16-D	16	56.10	BKN63P16-D	16	99.67
BKN61P20-D	20	20.77	BKN62P20-D	20	56.10	BKN63P20-D	20	99.67
BKN61P25-D	25	20.77	BKN62P25-D	25	56.10	BKN63P25-D	25	99.67
BKN61P32-D	32	20.77	BKN62P32-D	32	56.10	BKN63P32-D	32	99.67
BKN61P40-D	40	20.77	BKN62P40-D	40	56.10	BKN63P40-D	40	99.67
BKN61P50-D	50	20.77	BKN62P50-D	50	56.10	BKN63P50-D	50	99.67
BKN61P63-D	63	20.77	BKN62P63-D	63	56.10	BKN63P63-D	63	99.67

10 kA - C Curve

Rated breaking capacity 10kA. From 1 to 63A. 17.5mm width

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
BKN-B1P1-C	1	23.37	BKN-B2P1-C	1	51.81	BKN-B3P1-C	1	95.49
BKN-B1P2-C	2	23.37	BKN-B2P2-C	2	51.81	BKN-B3P2-C	2	95.49
BKN-B1P3-C	3	23.37	BKN-B2P3-C	3	51.81	BKN-B3P3-C	3	95.49
BKN-B1P4-C	4	23.37	BKN-B2P4-C	4	51.81	BKN-B3P4-C	4	95.49
BKN-B1P6-C	6	23.37	BKN-B2P6-C	6	51.81	BKN-B3P6-C	6	95.49
BKN-B1P10-C	10	23.37	BKN-B2P10-C	10	51.81	BKN-B3P10-C	10	95.49
BKN-B1P16-C	16	23.37	BKN-B2P16-C	16	51.81	BKN-B3P16-C	16	95.49
BKN-B1P20-C	20	23.37	BKN-B2P20-C	20	51.81	BKN-B3P20-C	20	95.49
BKN-B1P25-C	25	23.37	BKN-B2P25-C	25	51.81	BKN-B3P25-C	25	95.49
BKN-B1P32-C	32	23.37	BKN-B2P32-C	32	51.81	BKN-B3P32-C	32	95.49
BKN-B1P40-C	40	23.37	BKN-B2P40-C	40	51.81	BKN-B3P40-C	40	95.49
BKN-B1P50-C	50	23.37	BKN-B2P50-C	50	51.81	BKN-B3P50-C	50	95.49
BKN-B1P63-C	63	23.37	BKN-B2P63-C	63	51.81	BKN-B3P63-C	63	95.49

10kA - C Curve 27mm Width

Rated breaking capacity 10kA. From 63 to 125A. 27mm width

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
BKH1P63-C	63	61.35	BKH2P63-C	63	122.70	BKH3P63-C	63	190.98
BKH1P80-C	80	61.35	BKH2P80-C	80	122.70	BKH3P80-C	80	190.98
BKH1P100-C	100	61.35	BKH2P100-C	100	122.70	BKH3P100-C	100	190.98
BKH1P125-C	125	85.90	BKH2P125-C	125	163.67	BKH3P125-C	125	207.92

10 kA - D Curve

Rated breaking capacity 10kA
From 1 to 63A
17.5mm width

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
BKN-B1P1-D	1	41.54	BKN-B2P1-D	1	66.14	BKN-B3P1-D	1	116.49
BKN-B1P2-D	2	41.54	BKN-B2P2-D	2	66.14	BKN-B3P2-D	2	116.49
BKN-B1P3-D	3	41.54	BKN-B2P3-D	3	66.14	BKN-B3P3-D	3	116.49
BKN-B1P4-D	4	41.54	BKN-B2P4-D	4	66.14	BKN-B3P4-D	4	116.49
BKN-B1P6-D	6	41.54	BKN-B2P6-D	6	66.14	BKN-B3P6-D	6	116.49
BKN-B1P10-D	10	41.54	BKN-B2P10-D	10	66.14	BKN-B3P10-D	10	116.49
BKN-B1P16-D	16	41.54	BKN-B2P16-D	16	66.14	BKN-B3P16-D	16	116.49
BKN-B1P20-D	20	41.54	BKN-B2P20-D	20	66.14	BKN-B3P20-D	20	116.49
BKN-B1P25-D	25	41.54	BKN-B2P25-D	25	66.14	BKN-B3P25-D	25	116.49
BKN-B1P32-D	32	41.54	BKN-B2P32-D	32	66.14	BKN-B3P32-D	32	116.49
BKN-B1P40-D	40	41.54	BKN-B2P40-D	40	66.14	BKN-B3P40-D	40	116.49
BKN-B1P50-D	50	41.54	BKN-B2P50-D	50	66.14	BKN-B3P50-D	50	116.49
BKN-B1P63-D	63	41.54	BKN-B2P63-D	63	66.14	BKN-B3P63-D	63	116.49

10kA - D Curve 27mm Width

Rated breaking capacity 10kA
From 63 to 125A
27mm width

1 Pole Part no.	A	1 Pole Price \$	2 Pole Part no.	A	2 Pole Price \$	3 Pole Part no.	A	3 Pole Price \$
BKH1P63-D	63	82.29	BKH2P63-D	63	159.55	BKH3P63-D	63	350.82
BKH1P80-D	80	82.29	BKH2P80-D	80	159.55	BKH3P80-D	80	350.82
BKH1P100-D	100	82.29	BKH2P100-D	100	159.55	BKH3P100-D	100	350.82
BKH1P125-D	125	103.39	BKH2P125-D	125	191.77	BKH3P125-D	125	458.84

MCB Accessories

Part no.	Description	Price \$
<i>Fits to BKN6, RKN and RKS units</i>		
BKN-AX-6A	6A changeover contact auxiliary 1 x C/O	26.07
BKN-AL-6A	6A trip indication auxiliary contact 1 x C/O	26.07
<i>Fits to BKN-B units</i>		
BKN-B-AX-6A	6A changeover contact auxiliary 1 x C/O	26.07
BKN-B-AL-6A	6A trip indication auxiliary contact 1 x C/O	26.07
<i>Commoning Bars</i>		
BB101	1m length pin type commoning bar, 1 phase	51.92
BB301	1m length pin type commoning bar, 3 phase	133.47
<i>Pole fillers & lock dogs</i>		
EUR-PF6	6 Pole, pole filler	5.87
MCBLDOG	Lock dog to suit BKN6, BKN-B and RKS MCB/RCD	10.61

LS IS



BKN-B1P20-D



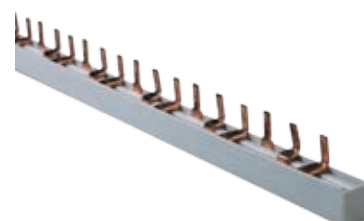
BKN-B3P20-D



BKH1P80-C



BKH3P100-D



BB301



MCBLDOG

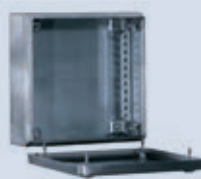
Related products:



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p.128



Emergency Stop
Buttons
p.234



Terminal Boxes
p.58



Current Sensing
Relays
p.200



BKD101P100



RKS-C20/003



RKN6240-30



RKN-6440-30



RKC-C10



EUR-BBC6P



RKP-C32-1N/30MA

Switch Disconnectors (Isolators)

Units are rated at 100A
From 1 to 3 pole. Non auto

Part no	Description	Price \$
BKD101P100	100A 1 pole 10kA Switch disconnecter	28.50
BKD102P100	100A 2 pole 10kA Switch disconnecter	68.46
BKD103P100	100A 3 pole 10kA Switch disconnecter	94.82

1 Pole Residual Current Circuit Breakers

From 10 to 40A. 30mA sensitivity. 10Ka fault rating.

Part no.	Description	Price \$
RKS-C10/003	10A 1 pole MCB/RCD 10kA	163.10
RKS-C16/003	16A 1 pole MCB/RCD 10kA	163.10
RKS-C20/003	20A 1 pole MCB/RCD 10kA	163.10
RKS-C25/003	25A 1 pole MCB/RCD 10kA	163.10
RKS-C32/003	32A 1 pole MCB/RCD 10kA	163.10

Residual Current Devices

30 mA sensitivity. 2 and 4 pole units. From 40 to 63A

Part no.	Description	Price \$
RKN6240-30	40A 2 pole 30mA RCD	117.28
RKN6263-30	63A 2 pole 30mA RCD	122.81
RKN6440-30	40A 4 pole 30mA RCD	159.27
RKN6463-30	63A 4 pole 30mA RCD	183.53

LS RKC Type A 6kA Compact RCBO



The latest edition to the LS product range finally completes our miniature breaker offering. Tested and approved here in Australia for your peace of mind, this compact RCBO is rated at 6kA, has a 30mA trip, and is Type A to suit AC and pulsating DC currents.

Part No.	Description	Price \$
RKC-C10 30mA	1 Pole 10amp 30mA RCBO 6Ka Type A	72.00
RKC-C16 30mA	1 Pole 16amp 30mA RCBO 6Ka Type A	72.00
RKC-C20 30mA	1 Pole 20amp 30mA RCBO 6Ka Type A	72.00

Busbar to suit RKC RCBO's

Eureka 6 pole busbar to suit the RKC. Comes with in built L and N terminals for ease of connection as well as looping. Fully insulated pins so spares are protected. Rated at 80amps.

Part No.	Description	Price \$
EUR-BBC6P	6 way buscomb for RKC RCBO's	39.00

Residual Current Circuit Breakers (RCBO)

2 pole , from 6 to 32A. 30mA sensitivity

C curve characteristic

Rated breaking capacity 4.5kA

Part no.	Description	Price \$
RKP-C6-1N/30MA	6A 2 pole 30mA	123.20
RKP-C10-1N/30MA	10A 2 pole 30mA	123.20
RKP-C16-1N/30MA	16A 2 pole 30mA	123.20
RKP-C20-1N/30MA	20A 2 pole 30mA	123.20
RKP-C25-1N/30MA	25A 2 pole 30mA	123.20
RKP-C32-1N/30MA	32A 2 pole 30mA	123.20

EMS style encapsulated chassis with option to fit EUR-3-250 main switch to chassis pan. Suits DB-CB-EUR mounting brackets

Eureka

DIN Circuit Breaker Encapsulated Chassis 250A to suit BKN/BKH MCB, RKS MCB/RCD

With facility for direct mounting to EUR-3-250 main switch.

Rated current 250 and 400A (250A unit only in EMS style)

Fault current 25kA @ 0.1 sec

Suits 6kA 18mm and 27mm pitch LS MCBs

Tested to IEC61439-2

Rated peak withstand current 52.5kA

Standard and hybrid encapsulated chassis

Please enquire for escutcheon cut-out and mounting details

Please enquire for other configuration chassis

Please enquire for bottom and dual-feed chassis

EMS type encapsulated chassis does not include main switch.

NEW



ELS6-42/18EM1



EMS STYLE CHASSIS WITH EUR-3-250 FITTED



EUR-3-250

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm BKN MCB RKS RCBO	27mm BKH MCB	
250A 3 phase EMS chassis to suit 6kA MCB							
ELS6-12/18EM1	12	220	242	133	12		173.15
ELS6-18/18EM1	18	220	296	133	18		217.05
ELS6-24/18EM1	24	220	350	133	24		225.75
ELS6-30/18EM1	30	220	404	133	30		251.40
ELS6-36/18EM1	36	220	458	133	36		286.00
ELS6-42/18EM1	42	220	512	133	42		301.05
ELS6-48/18EM1	48	220	566	133	48		338.75
ELS6-60/18EM1	60	220	674	133	60		396.35
ELS6-72/18EM1	72	220	782	133	72		456.65
ELS6-84/18EM1	84	220	890	133	84		514.30
ELS6-96/18EM1	96	220	998	133	96		597.15
250A 3 phase hybrid EMS chassis to suit 6kA MCB							
ELS6-12/1827EM1	12	220	269	133	6	6	206.35
ELS6-18/1827EM1	18	220	323	133	12	6	233.30
ELS6-24/1827EM1	24	220	377	133	18	6	265.85
ELS6-30/1827EM1	30	220	431	133	24	6	296.05
ELS6-36/1827EM1	36	220	485	133	30	6	325.65
ELS6-42/1827EM1	42	220	566	133	30	12	383.90
ELS6-48/1827EM1	48	220	620	133	36	12	434.05
ELS6-60/1827EM1	60	220	728	133	48	12	498.75
ELS6-72/1827EM1	72	220	836	133	60	12	582.00
250A 3 phase 27mm EMS chassis to suit 6kA MCB							
ELS6-12/27EM1	12	220	296	133		12	208.25
ELS6-18/27EM1	18	220	377	133		18	243.35
ELS6-24/27EM1	24	220	458	133		24	278.45
ELS6-30/27EM1	30	220	539	133		30	316.15
ELS6-36/27EM1	36	220	620	133		36	346.20
ELS6-42/27EM1	42	220	701	133		42	386.35
ELS6-48/27EM1	48	220	782	133		48	441.50
ELS6-60/27EM1	60	220	944	133		60	506.85
ELS6-72/27EM1	72	220	1106	133		72	589.55

Compact Loadbreak Switch

EUR-3-250 fits directly to 250A EMS Eureka MCB chassis

Part no.	Description	Price \$
EUR-3-250	250A 8.5kA load break switch including shrouds	105.48
EUR-3-250PD	Padlock attachment	8.41

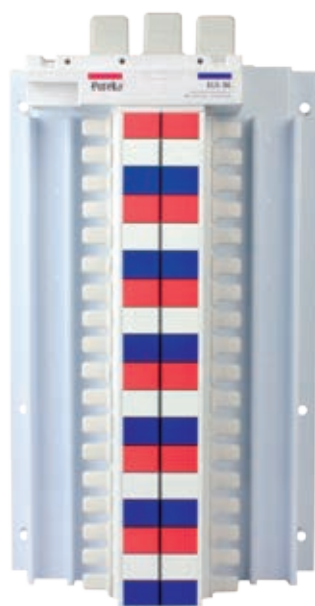
eureka

NEW

Flat pan style chassis. Suits DB-CB400-EUR mounting brackets.

DIN Circuit Breaker Encapsulated Chassis 250A to suit BKN/BKH, MCB and RKS RCBO

Please enquire for bottom and dual-feed chassis



ELS6-36/181

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm BKN MCB RKS RCBO	27mm BKH MCB	
3 phase 250A 18mm flat pan to suit 6kA MCB							
ELS6-12/181	12	220	174	115	12		145.55
ELS6-18/181	18	220	228	115	18		170.55
ELS6-24/181	24	220	282	115	24		198.20
ELS6-30/181	30	220	336	115	30		223.35
ELS6-36/181	36	220	390	115	36		250.65
ELS6-42/181	42	220	444	115	42		273.00
ELS6-48/181	48	220	498	115	48		311.00
ELS6-60/181	60	220	606	115	60		368.75
ELS6-72/181	72	220	714	115	72		429.05
ELS6-84/181	84	220	822	115	84		509.25
ELS6-96/181	96	220	930	115	96		569.50
3 phase 250A 18/27mm flat pan to suit 6kA MCB							
ELS6-12/18271	12	220	201	115	6	6	177.25
ELS6-18/18271	18	220	255	115	12	6	205.70
ELS6-24/18271	24	220	309	115	18	6	238.35
ELS6-30/18271	30	220	363	115	24	6	268.45
ELS6-36/18271	36	220	417	115	30	6	381.05
ELS6-42/18271	42	220	498	115	30	12	412.65
ELS6-48/18271	48	220	552	115	36	12	431.50
ELS6-60/18271	60	220	660	115	48	12	471.70
ELS6-72/18271	72	220	768	115	60	12	554.45
3 phase 250A 27mm flat pan to suit 6kA MCB							
ELS6-12/271	12	220	228	115		12	180.65
ELS6-18/271	18	220	309	115		18	215.75
ELS6-24/271	24	220	390	115		24	250.95
ELS6-30/271	30	220	471	115		30	288.55
ELS6-36/271	36	220	552	115		36	318.55
ELS6-42/271	42	220	633	115		42	358.80
ELS6-48/271	48	220	714	115		48	413.90
ELS6-60/271	60	220	876	115		60	479.00
ELS6-72/271	72	220	1038	115		72	567.95

Flat pan style chassis. Suits DB-CB400-EUR mounting brackets.
Refer p. 160 for 400A main switches to suit.

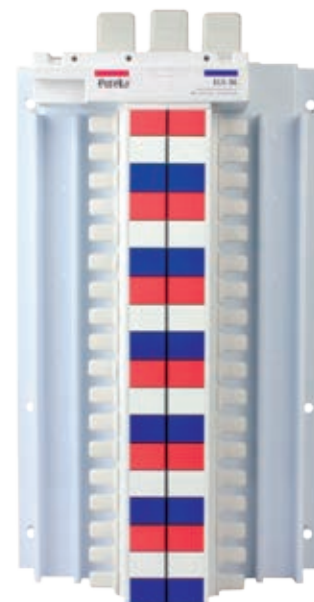
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NEW

DIN Circuit Breaker Encapsulated Chassis 400A to suit BKN/BKH, MCB and RKS RCBO

Please enquire for bottom and dual-feed chassis

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm BKN MCB RKS RCBO	27mm BKH MCB	
3 phase 400A 18mm flat pan to suit 6kA MCB							
ELS6-12/182	12	220	174	115	12		187.65
ELS6-18/182	18	220	228	115	18		220.70
ELS6-24/182	24	220	282	115	24		253.25
ELS6-30/182	30	220	336	115	30		289.90
ELS6-36/182	36	220	390	115	36		328.75
ELS6-42/182	42	220	444	115	42		370.35
ELS6-48/182	48	220	498	115	48		411.80
ELS6-60/182	60	220	606	115	60		447.65
ELS6-72/182	72	220	714	115	72		507.15
ELS6-84/182	84	220	822	115	84		592.40
ELS6-96/182	96	220	930	115	96		663.70
3 phase 400A 18/27mm flat pan to suit 6kA MCB							
ELS6-12/18272	12	220	201	115	6	6	221.15
ELS6-18/18272	18	220	255	115	12	6	263.40
ELS6-24/18272	24	220	309	115	18	6	306.05
ELS6-30/18272	30	220	363	115	24	6	344.10
ELS6-36/18272	36	220	417	115	30	6	408.90
ELS6-42/18272	42	220	498	115	30	12	466.65
ELS6-48/18272	48	220	552	115	36	12	526.90
ELS6-60/18272	60	220	660	115	48	12	647.30
ELS6-72/18272	72	220	768	115	60	12	827.40
3 phase 400A 27mm flat pan to suit 6kA MCB							
ELS6-12/272	12	220	228	115		12	213.60
ELS6-18/272	18	220	309	115		18	256.85
ELS6-24/272	24	220	390	115		24	291.55
ELS6-30/272	30	220	471	115		30	348.30
ELS6-36/272	36	220	552	115		36	393.90
ELS6-42/272	42	220	633	115		42	454.45
ELS6-48/272	48	220	714	115		48	505.25
ELS6-60/272	60	220	876	115		60	633.90
ELS6-72/272	72	220	1038	115		72	746.85



ELS6-36/182



NEW

EMS style encapsulated chassis with option to fit EUR-3-250 main switch to chassis pan.
Suits DB-CB-EUR mounting brackets

DIN Circuit Breaker Encapsulated Chassis 250A to suit BKN-B/BKH MCB, RKS MCB/RCD

With facility for direct mounting to EUR-3-250 main switch.

Rated current 250 and 400A (250A unit only in EMS style)

Fault current 25kA @ 0.1 sec

Suits 10kA 18mm and 27mm pitch LS MCBs

Tested to IEC61439-2

Rated peak withstand current 52.5kA

Standard and hybrid encapsulated chassis

Please enquire for escutcheon cut-out and mounting details

Please enquire for other configuration chassis

Please enquire for bottom and dual-feed chassis

EMS type encapsulated chassis does not include main switch.



ELS1-42/18EM1



EMS STYLE CHASSIS WITH
EUR-3-250 FITTED



EUR-3-250

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm BKN MCB RKS RCBO	27mm BKH MCB	
250A 3 phase EMS chassis to suit 10kA MCB							
ELS1-12/18EM1	12	220	242	133	12		173.15
ELS1-18/18EM1	18	220	296	133	18		217.05
ELS1-24/18EM1	24	220	350	133	24		225.75
ELS1-30/18EM1	30	220	404	133	30		251.40
ELS1-36/18EM1	36	220	458	133	36		286.00
ELS1-42/18EM1	42	220	512	133	42		301.05
ELS1-48/18EM1	48	220	566	133	48		338.75
ELS1-60/18EM1	60	220	674	133	60		396.35
ELS1-72/18EM1	72	220	782	133	72		456.65
ELS1-84/18EM1	84	220	890	133	84		514.30
ELS1-96/18EM1	96	220	998	133	96		597.15
250A 3 phase hybrid EMS chassis to suit 10kA MCB							
ELS1-12/1827EM1	12	220	269	133	6	6	206.35
ELS1-18/1827EM1	18	220	323	133	12	6	233.30
ELS1-24/1827EM1	24	220	377	133	18	6	265.85
ELS1-30/1827EM1	30	220	431	133	24	6	296.05
ELS1-36/1827EM1	36	220	485	133	30	6	328.65
ELS1-42/1827EM1	42	220	566	133	30	12	383.90
ELS1-48/1827EM1	48	220	620	133	36	12	434.05
ELS1-60/1827EM1	60	220	728	133	48	12	498.75
ELS1-72/1827EM1	72	220	836	133	60	12	582.00
250A 3 phase 27mm EMS chassis to suit 10kA MCB							
ELS1-12/27EM1	12	220	296	133		12	208.25
ELS1-18/27EM1	18	220	377	133		18	243.35
ELS1-24/27EM1	24	220	458	133		24	278.45
ELS1-30/27EM1	30	220	539	133		30	316.15
ELS1-36/27EM1	36	220	620	133		36	346.20
ELS1-42/27EM1	42	220	701	133		42	386.35
ELS1-48/27EM1	48	220	782	133		48	441.50
ELS1-60/27EM1	60	220	944	133		60	506.85
ELS1-72/27EM1	72	220	1106	133		72	589.55

Compact Loadbreak Switch

EUR-3-250 fits directly to 250A EMS Eureka MCB chassis

Part no.	Description	Price \$
EUR-3-250	250A 8.5kA load break switch including shrouds	105.48
EUR-3-250PD	Padlock attachment	8.41

Flat pan style chassis. Suits DB-CB400-EUR mounting brackets.

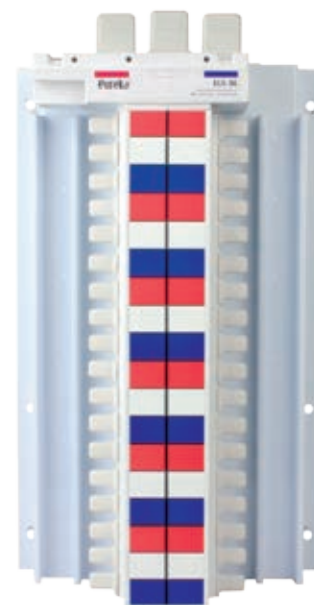
eureka

NEW

DIN Circuit Breaker Encapsulated Chassis 250A to suit BKN-B/BKH, MCB and RKS RCBO

Please enquire for bottom and dual-feed chassis

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm BKN MCB RKS RCBO	27mm BKH MCB	
3 phase 250A 18mm flat pan to suit 10kA MCB							
ELS1-12/181	12	220	174	115	12		145.55
ELS1-18/181	18	220	228	115	18		170.55
ELS1-24/181	24	220	282	115	24		198.20
ELS1-30/181	30	220	336	115	30		223.35
ELS1-36/181	36	220	390	115	36		250.65
ELS1-42/181	42	220	444	115	42		173.00
ELS1-48/181	48	220	498	115	48		311.00
ELS1-60/181	60	220	606	115	60		368.75
ELS1-72/181	72	220	714	115	72		429.05
ELS1-84/181	84	220	822	115	84		509.25
ELS1-96/181	96	220	930	115	96		569.50
3 phase 250A 18/27mm flat pan to suit 10kA MCB							
ELS1-12/18271	12	220	201	115	6	6	177.25
ELS1-18/18271	18	220	255	115	12	6	205.70
ELS1-24/18271	24	220	309	115	18	6	238.35
ELS1-30/18271	30	220	363	115	24	6	268.45
ELS1-36/18271	36	220	417	115	30	6	381.05
ELS1-42/18271	42	220	498	115	30	12	412.65
ELS1-48/18271	48	220	552	115	36	12	431.50
ELS1-60/18271	60	220	660	115	48	12	471.70
ELS1-72/18271	72	220	768	115	60	12	554.45
3 phase 250A 27mm flat pan to suit 10kA MCB							
ELS1-12/271	12	220	228	115		12	180.65
ELS1-18/271	18	220	309	115		18	215.75
ELS1-24/271	24	220	390	115		24	250.95
ELS1-30/271	30	220	471	115		30	288.55
ELS1-36/271	36	220	552	115		36	318.55
ELS1-42/271	42	220	633	115		42	358.80
ELS1-48/271	48	220	714	115		48	413.90
ELS1-60/271	60	220	876	115		60	479.00
ELS1-72/271	72	220	1038	115		72	567.95

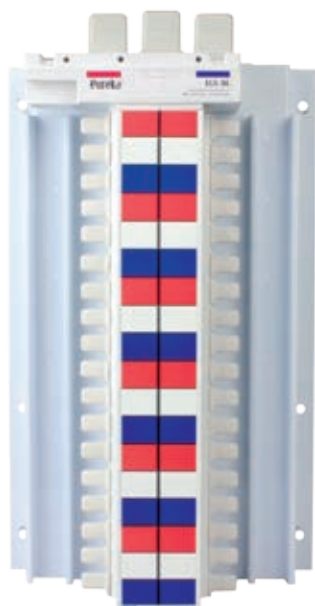


ELS1-36/181

Flat pan style chassis. Suits DB-CB400-EUR mounting brackets.

DIN Circuit Breaker Encapsulated Chassis 400A to suit BKN-B/BKH, MCB and RKS RCBO

Please enquire for bottom and dual-feed chassis



ELS1-36/182

Part no.	No. Poles	Width mm	Length mm	Height mm with MCB	Configuration		Price \$
					18mm BKN MCB RKS RCBO	27mm BKH MCB	
3 phase 400A 18mm flat pan to suit 10kA MCB							
ELS1-12/182	12	220	174	115	12		187.65
ELS1-18/182	18	220	228	115	18		220.70
ELS1-24/182	24	220	282	115	24		253.25
ELS1-30/182	30	220	336	115	30		289.90
ELS1-36/182	36	220	390	115	36		328.75
ELS1-42/182	42	220	444	115	42		370.35
ELS1-48/182	48	220	498	115	48		411.80
ELS1-60/182	60	220	606	115	60		447.65
ELS1-72/182	72	220	714	115	72		507.15
ELS1-84/182	84	220	822	115	84		592.40
ELS1-96/182	96	220	930	115	96		663.70
3 phase 400A 18/27mm flat pan to suit 10kA MCB							
ELS1-12/18272	12	220	201	115	6	6	221.15
ELS1-18/18272	18	220	255	115	12	6	263.40
ELS1-24/18272	24	220	309	115	18	6	306.05
ELS1-30/18272	30	220	363	115	24	6	344.10
ELS1-36/18272	36	220	417	115	30	6	408.90
ELS1-42/18272	42	220	498	115	30	12	466.65
ELS1-48/18272	48	220	552	115	36	12	526.90
ELS1-60/18272	60	220	660	115	48	12	647.30
ELS1-72/18272	72	220	768	115	60	12	827.40
3 phase 400A 27mm flat pan to suit 10kA MCB							
ELS1-12/272	12	220	228	115		12	213.60
ELS1-18/272	18	220	309	115		18	256.85
ELS1-24/272	24	220	390	115		24	291.55
ELS1-30/272	30	220	471	115		30	348.30
ELS1-36/272	36	220	552	115		36	393.90
ELS1-42/272	42	220	633	115		42	454.45
ELS1-48/272	48	220	714	115		48	505.25
ELS1-60/272	60	220	876	115		60	633.90
ELS1-72/272	72	220	1038	115		72	746.85

Flexibility

While meeting the required IEC AS/NZS60497-2 service and interruption ratings, LS breakers provide unmatched flexibility employing a wide variety of trip units including fixed thermal & magnetic, adjustable thermal & magnetic, adjustable thermal-fixed magnetic, adjustable thermal, adjustable magnetic and electronic trip units.



Trip Unit Identification



Fixed-thermal,
Fixed-magnetic



Adjustable-thermal,
Adjustable-magnetic



Electronic
(LSIG, multi-function unit)

Standards & Approvals

All LS MCCB's, ACB's and accessories conform to the following standards:

Basic Standards

IEC 60947-1;-2-3;-4
 AS/NZS 60947-1;-2;-3;-4
 CE Conformity Mark
 IECCE CB Scheme

Marine

ABS – USA
 BV – France
 DNV – Norway
 GL – Germany
 KR – Korea
 RINA – Italy
 Lloyds - London



Low Voltage Power Distribution



MCCB Frame Size 1
**32-100/125-160/
 200-250A**



MCCB Frame Size 2
400/650A



MCCB Frame Size 3
800A



MCCB Frame Size 4
1000/1250/1600A

LS offers an comprehensive range of power distribution products that are designed and manufactured to meet the challenges of modern installations. Compact frame sizes with high capacities to match their flexible capabilities.

The LS range of circuit breakers are available in four (4) frame sizes from 16 to 1600A:

Frame Size 1 16-100/125-160/200-250A **Frame Size 3** 800A

Frame Size 2 400/630A

Frame Size 4 1000/1250/1600A

MCCB's for Power Distribution

Electrical Characteristics



			TS100	TS160	TS250	TS400
Frame Size			1	1	1	2
Rated current, In#			40,50,63,80,100	125, 160	200, 250	400
No. of Poles			3, 4	3, 4	3, 4	3, 4
Rated operational voltage (Ue)			690	690	690	690
Rated impulse withstand voltage (Uimp)			500	500	500	500
Rated insulation voltage (Ui)			8	8	8	8
Rated ultimate short-circuit breaking capacity (Icu)			750	750	750	750
AC50/60Hz			50	50	50	65 85
220/240V			100	100	100	100 120
380/425V			50	50	50	65 85
440/460V			50	50	50	65 85
480/500V			42	42	42	42 65
600/690V			10	10	10	10 20
DC			50	50	50	50 85
240V			50	50	50	50 85
500V (2p in series)			100%	100%	100%	100% 100%
Rated service breaking capacity (Ics)						
Rated short-circuit breaking capacity (Icm)						
AC50/60Hz			220	220	220	220 264
220/240V			105	105	105	143 187
380/425V			105	105	105	143 187
440/460V			88	88	88	88 143
480/500V			17	17	17	17 40
660/690V			A	A	A	A
Catagory of utilisation			●	●	●	●
Isolation behaviour						
Trip unit (release)						
Thermal Magnetic						
● fixed-thermal, fixed magnetic			FTU			
● adjustable-thermal, fixed magnetic			FMU			
● adjustable-thermal, adjustable-magnetic			ATU			
● magnetic only			MTU			
Electronic						
● LSI			ESI			
● LSI			ETM			
Option						
Earth-fault protection, Ig						
Zone selective interlocking, ZSI						
Ammeter						
Communication						
Earth-leakage protection module						
Connection						
fixed						
front-connection			●	●	●	●
rear-connection			●	●	●	●
plug-in						
front-connection			●	●	●	●
rear-connection			●	●	●	●
Mechanical life			25000	25000	25000	25000
Electrical life @415V AC			10000	10000	10000	60000
Base dimensions						
3-pole			105x160x86	105x160x86	105x160x86	140x260x110
(W x H x D)			140x160x86	140x160x86	140x160x86	186.5x260x110
Weight						
1-pole			-	-	-	-
(front connection)			2	2	2	5.4
3-pole			2.6	2.6	2.6	7.2
4-pole						
Reference standard			IEC60947-2, AS/NZ60947-2			

Breaking capacity at 660/690V is for your reference (not certified)

MCCB's for Power Distribution

Electrical Characteristics



Frame Size		(AF)
Rated current, In#		(A)
No. of Poles		
Rated operational voltage (Ue)	AC	(V)
	DC	(V)
Rated impulse withstand voltage (Uimp)		(kV)
Rated insulation voltage (V)		(V)
Rated utimate short-circuit breaking capacity (Icu)		
AC50/60Hz	220/240V	(kA)
	380/425V	(kA)
	440/460V	(kA)
	480/500V	(kA)
	600/690V	(kA)
DC	240V	(kA)
	500V (2p in series)	(kA)
Rated service breaking capacity (Ics)		(%Icu)
Rated short-circuit breaking capacity (Icm)		
AC50/60Hz	220/240V	(kA)
	380/425V	(kA)
	440/460V	(kA)
	480/500V	(kA)
	660/690V	(kA)
Catagory of utilisation		
Isolation behaviour		
Trip unit (release)		
Thermal Magnetic		
● fixed-thermal, fixed magnetic		FTU
● adjustable-thermal, fixed magnetic		FMU
● adjustable-thermal, adjustable-magnetic		ATU
● magnetic only		MTU
Electronic		
● LSI		ESI
● LSI		ETM
	Option	Earth-fault protedtion, Ig
		Zone selective interlocking, ZSI
		Ammeter
		Communication
		Earth-leakage protection module
Connection	fixed	front-connection
		rear-connection
	plug-in	front-connection
		rear-connection
Mechanical life		(operations)
Electrical life @415V AC		(operations)
Base dimensions (W x H x D)	3-pole	(mm)
	4-pole	(mm)
Weight (front connection)	1-pole	(kg)
	3-pole	(kg)
	4-pole	(kg)

Breaking capacity at 660/690V is for you reference (not certified)

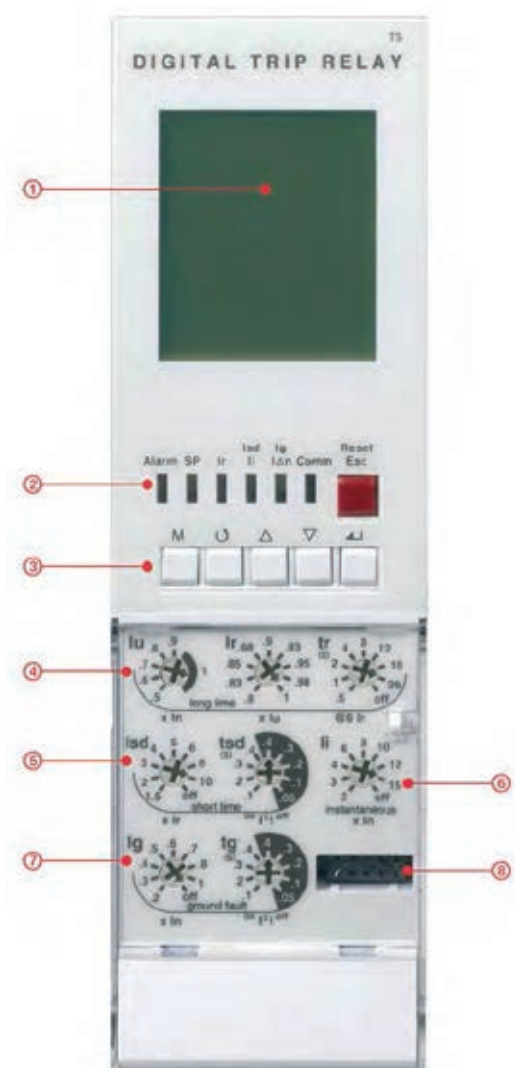
TS630		TS800		TS1000	TS1250	TS1600
2		3		4	4	4
630		800		1000	1250	1600
3, 4		3, 4		3, 4	3, 4	3, 4
690		690		690	690	690
500		500		—	—	—
8		8		8	8	8
750		750		1000	1000	1000
65	85	65	85	D	D	D
100	120	100	120	75	75	75
65	85	65	100	70	70	70
65	85	65	100	65	65	65
42	65	42	85	50	50	50
10	20	10	20	45	45	45
50	85	50	85	—	—	—
50	85	50	85	—	—	—
100%	100%	100%	100%	75%	75%	75%
220	264	220	264	—	—	—
143	187	143	220	—	—	—
143	187	143	220	—	—	—
88	143	88	187	—	—	—
17	40	17	40	—	—	—
A		A		B	B	B
●		●		○	○	○
—		—		—	—	—
—		—		—	—	—
—		—		—	—	—
—		—		—	—	—
●		●		●	●	●
●		●		●	●	●
●		●		●	●	●
●		●		●	●	●
●		●		●	●	●
●		●		●	●	●
●		●		●	●	●
●		●		—	—	—
●		●		—	—	—
●		●		—	—	—
20000		10000		10000	10000	10000
6000		3000		6000	5000	5000
140x260x110		210x320x135		210 x 327 x 152.5		
186.5x260x110		280x320x135		280 x 327 x 152.5		
—		—		—		
5.4		15.1		13		
7.2		19.6		16.8		
IEC60947-2, AS/NZ60947-2						

MCCB's for Power Distribution up to 1600A

A type: Ammeter type

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> > Overload protection
Long-time delay
Thermal > Short-circuit protection
Short-time delay / Instantaneous
I²t On/Off optional (for short-time delay) > Ground fault protection
I²t On/Off optional > Realisation of protective coordination by ZSI (Zone Selective Interlocking) | <ul style="list-style-type: none"> > High-performance and high-speed MCU built-in Accurate measurement with tolerance of 1.0% > Fault recording
Records Max. up to 10 fault information about fault type, fault phase, fault data, occurrence time of fault > SBO (Select Before Operation)
High reliability for control and setting change method | <ul style="list-style-type: none"> > Communication
Modbus/RS485
Profibus-DP > 3 DO (Digital Output)
Fixed |
|---|---|---|

Configuration

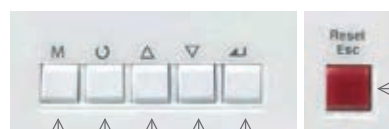


- 1 | LCD: Indication of measurement and information
- 2 | LED: Indication of trip info. and overload state



- Ig: LED indicating ground-fault
- Isd/Ii: LED indicating short-time or instantaneous tripping
- Ir: LED indicating long-time delay
- SP: Self-protection and battery test LED
- Alarm: LED indicating an overload (Turn on above 90%, Blink above 105%)

- 3 | Key: Move to menu or reset







- Reset/ESC: Fault reset or ESC from menu

- Enter: Enter into secondary menu or setting input
- Up/Down: Move the cursor up/down on screen or increase/decrease a setting value
- Right/Left: Move the cursor or setting right/left on screen (Rotation)
- Menu: Menu display Measurement display

- 4 | Iu, Ir: Long-time current setting, tr: Long-time tripping delay setting
- 5 | Isd: Short-time current setting, tsd: Short-time tripping delay setting
- 6 | Ii: Instantaneous current setting
- 7 | Ig: Ground fault current setting, tg: Ground fault tripping delay setting
- 8 | Test terminal: OCR test terminal (Connected with OCR tester)

Trip Relay Types

Classification	N type	A type	P type	S type
Externals				
Current protection	• L / S / I / G / Thermal	• L / S / I / G / Thermal • ZSI(Protective coordination) • Earth leakage (Option)	• L / S / I / G / Thermal(Continuous) • ZSI(Protective coordination)	• P type
Other protection	-	-	• Earth leakage(Option) • Over/Under current • Over/Under frequency • Unbalance(Voltage/Current) • Reverse power	• P type
Measurement function	-	• Current (R / S / T / N)	• 3 Phase Voltage/Current RMS/Vector • Power(P, Q, S), PF(3-Phase) • Energy(Positive/Negative) • Frequency, Demand	• 3 Phase Voltage/Current RMS/Vector • Power(P, Q, S), PF(3-Phase) • Energy(Positive/Negative) • Frequency, Demand • Voltage/Current harmonics (1st-63th) • 3 Phase Waveforms • THD, TDD, K-Factor
Fine adjustment	-	-	• Fine adjustment for long/short time delay/instantaneous/ ground	• P type
Pre Trip Alarm	-	-	• Overload protection relays : DO (Alarm) (Ground fault is not available when using Pre trip alarm)	• P type
Digital Output	-	• 3DO (Fixed) • L, S/I, G Alarm	• 3DO (Programmable) • Trip, Alarm, General	• P type
IDMTL setting	-	-	• Compliance with IEC60255-3 SIT, VIT, EIT, DT	• P type
Communication	-	• Modbus/RS-485 • Profibus-DP	• Modbus / RS-485 • Profibus-DP	• Modbus / RS-485 • Profibus-DP
Power supply	• Self Power - Power source works over 30% current of In (one pole)	• Self Power - Power source works over 30% current of In (one pole) - External power source are required for comm. • AC/DC 100~250V • DC 24~60V	• AC/DC 100~250V • DC 24~60V	• AC/DC 100~250V • DC 24~60V
RTC timer	• Available	• Available	• Available	• Available
LED for trip info.	• Long time delay • Short time delay/ Instantaneous • Ground fault	• N type	• N type	• N type
Fault recording	-	• 10 records (Fault/Current/Date and Time)	• 256 records (Fault/Current/Date and Time)	• 256 records • Last fault wave recording (3 Phase)
Event recording	-	-	• 256 records(Content, Status, Date)	• P type
Operating button	• Reset button	• Reset, Menu Up/Down, Left/Right, Enter	• A type	• A type

Basic protection function(L / S / I / G)
is still under normal operation
without control power.

TS Range of MCCB Units and Accessories from 32 to 1600A

From 32A to 1600A. With short circuit and overload release. 50, 65 and 85kA units available.

Electronic and thermal / magnetic protection. Accessories include -

Fixed and external handles.

Terminal spreaders and covers

Under voltage and shunt trip / fault alarm contacts.

Motor operators

Double and single sided 630A chassis to 36 pole

Fixed and removable locking devices

Non auto units to 800A available

TS100/160/250 are the same physical frame sizes.

Please enquire for cascade and discrimination data. CAD blocks CD available.



Part no.	Description	HxWxD mm	No. of Poles	Price \$
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TS100 Range 32 - 100A 50kA

TS100NFMU40	32-40A 50kA Thermal magnetic MCCB	160x105x110	3	318.31
TS100NFMU63	50-63A 50kA Thermal magnetic MCCB	160x105x110	3	318.31
TS100NFMU80	64-80A 50kA Thermal magnetic MCCB	160x105x110	3	401.84
TS100NFMU100	80-100A 50kA Thermal magnetic MCCB	160x105x110	3	401.84
TS100NFMU100/4	80-100A 50kA Thermal magnetic MCCB	160x140x110	4	514.71
TS100NETS40	40-100A 50kA Electronic MCCB	160x105x110	3	755.59
TS100NETS80	40-80A 50kA Electronic MCCB	160x105x110	3	755.59

TS100 Range 32 - 100A 65kA

TS100HFMU40	32-40A 65kA Thermal magnetic MCCB	160x105x110	3	447.27
TS100HFMU63	50-63A 65kA Thermal magnetic MCCB	160x105x110	3	447.27
TS100HFMU80	64-80A 65kA Thermal magnetic MCCB	160x105x110	3	520.92
TS100HFMU100	80-100A 65kA Thermal magnetic MCCB	160x105x110	3	520.92
TS100HFMU100/4	80-100A 65kA Thermal magnetic MCCB	160x140x110	4	633.79
TS100HETS40	32-40A 65kA Electronic MCCB	160x105x110	3	788.21
TS100HETS80	40-80A 65kA Electronic MCCB	160x105x110	3	788.21

Please enquire for 150kA units

TS160 Range 80 - 160A 50kA

TS160NFMU100	80-100A 50kA Thermal magnetic MCCB	160x105x110	3	499.08
TS160NFMU125	100-125A 50kA Thermal magnetic MCCB	160x105x110	3	499.08
TS160NFMU160	128-160A 50kA Thermal magnetic MCCB	160x105x110	3	580.85
TS160NFMU100/4	80-100A 50kA Thermal magnetic MCCB	160x140x110	4	693.73
TS160NETS160	64-160A 50 kA Electronic MCCB	160x105x110	3	853.62

TS160 Range 80 - 160A 85kA

TS160HFMU100	80-100A 85kA Thermal magnetic MCCB	160x105x110	3	665.40
TS160HFMU125	100-125A 85kA Thermal magnetic MCCB	160x105x110	3	665.40
TS160HFMU160	128-160A 85kA Thermal magnetic MCCB	160x105x110	3	744.52
TS160HFMU100/4	80-100A 85kA Thermal magnetic MCCB	160x140x110	4	857.40
TS160HFMU160/4	128-160A 85kA Thermal magnetic MCCB	160x140x110	4	901.87
TS160HETS160	64-160A 85kA Electronic MCCB	160x105x110	3	934.04

Please enquire for 150kA units

TS250 Range 100 - 250A 50kA

TS250NATU125	100-125A 50kA Thermal magnetic MCCB	160x105x110	3	569.91
TS250NATU160	128-160A 50kA Thermal magnetic MCCB	160x105x110	3	725.45
TS250NATU200	180-200A 50kA Thermal magnetic MCCB	160x105x110	3	790.92
TS250NATU250	200-250A 50kA Thermal magnetic MCCB	160x105x110	3	809.99
TS250NATU100/4	80-100A 50kA Thermal magnetic MCCB	160x140x110	4	922.87
TS250NATU250/4	200-250A 50kA Thermal magnetic MCCB	160x140x110	4	978.63
TS250NETS250	100-250A 50kA Electronic MCCB	160x105x110	3	962.71

TS250 Range 100 - 250A 85kA

TS250HATU125	100-125A 85kA Thermal magnetic MCCB	160x105x110	3	801.75
TS250HATU160	128-160A 85kA Thermal magnetic MCCB	160x105x110	3	880.88
TS250HATU200	180-200A 85kA Thermal magnetic MCCB	160x105x110	3	957.24
TS250HATU250	200-250A 85kA Thermal magnetic MCCB	160x105x110	3	1,000.86
TS250HATU100/4	80-100A 85kA Thermal magnetic MCCB	160x140x110	4	1,113.74
TS250HATU250/4	200-250A 85kA Thermal magnetic MCCB	160x140x110	4	1,156.97
TS250HETS250	100-250A 85kA Electronic MCCB	160x105x110	3	1,146.58



TS100NFMU100



TS250NETS250



TS400NETS400



TS630NETS630



TS800NETS800



TS250DSU



TS630NETM 630



TS1600NAG51600A

Part no.	Description	HxWxD mm	No. of Poles	Price \$
TS400 / 630 / 800 Range 160 - 800A 65kA				
TS400NETS400	160-400A 65kA Electronic MCCB	260x140x157	3	1,227.23
TS400NETS400/4	160-400A 65kA Electronic MCCB	260x187x157	4	1,340.11
TS630NETS630	252-630A 65kA Electronic MCCB	260x140x157	3	1,772.14
TS630NETS630/4	252-630A 65kA Electronic MCCB	260x187x157	4	1,885.01
TS800NETS800	320-800A 65kA Electronic MCCB	320x210x198	3	2,316.20
TS800NETS800/4	320-800A 65kA Electronic MCCB	320x280x198	4	2,429.07

TS400 / 630 / 800 Range 160 - 800A 85kA

TS400HETS400	160-400A 85kA Electronic MCCB	260x140x157	3	1,593.80
TS400HETS400/4	160-400A 85kA Electronic MCCB	260x187x157	4	1,706.67
TS630HETS630	252-630A 85kA Electronic MCCB	260x140x157	3	1,907.59
TS630HETS630/4	252-630A 85kA Electronic MCCB	260x187x157	4	2,020.46
TS800HETS800	320-800A 85kA Electronic MCCB	320x210x198	3	2,415.30
TS800HETS800/4	320-800A 85kA Electronic MCCB	320x280x198	4	2,528.17

TS400/630/800 Range 160-800A 65 & 85kA Fully Adjustable

TS400NETM 400	160-400A 65kA Electronic fully adjustable MCCB	260x140x157	3	1,717.96
TS400NETM 400/4	160-400A 65kA Electronic fully adjustable MCCB	260x187x157	4	1,830.83
TS630NETM 630	252-630A 65kA Electronic fully adjustable MCCB	260x140x157	3	2,476.48
TS630NETM 630/4	252-630A 65kA Electronic fully adjustable MCCB	260x187x157	4	2,589.35
TS800NETM 800	320-800A 65kA Electronic fully adjustable MCCB	320x210x198	3	3,245.16
TS800NETM 800/4	320-800A 65kA Electronic fully adjustable MCCB	320x280x198	4	3,358.03
TS800HETM 800	320-800A 85kA Electronic fully adjustable MCCB	320x210x198	3	3,380.61
TS800HETM 800/4	320-800A 85kA Electronic fully adjustable MCCB	320x280x198	4	3,493.48

TS Range Non Auto 100 - 800A

TS100DSU100	100A Non auto isolator	160x105x110	3	322.15
TS160DSU160	160A Non auto isolator	160x105x110	3	385.92
TS250DSU250	250A Non auto isolator	160x105x110	3	534.52
TS400DSU400	400A Non auto isolator	260x140x157	3	1,126.27
TS630DSU630	630A Non auto isolator	260x140x157	3	1,635.56
TS800DSU800	800A Non auto isolator	320x210x198	3	2,094.96

TS 800 / 1000 / 1250 / Range 320 - 1600A 50kA

TS1000NAG5800	320 - 800A 50kA electronic MCCB	327x210x191	3	5,800.65
TS1000NAG51000A	400 - 1000A 50kA electronic MCCB	327x210x191	3	6,091.86
TS1250NAG51250A	500 - 1250A 50kA electronic MCCB	327x210x191	3	8,106.68
TS1600NAG51600A	640 - 1600A 50kA electronic MCCB	327x210x191	3	8,532.22

TS 800 / 1000 / 1250 / Range 320 - 1600A 70kA

TS1000HAG5800	320 - 800A 70kA electronic MCCB	327x210x191	3	5,958.67
TS1000HAG51000A	400 - 1000A 70kA electronic MCCB	327x210x191	3	6,577.23
TS1250HAG51250A	500 - 1250A 70kA electronic MCCB	327x210x191	3	8,252.29
TS1600HAG51600A	640 - 1600A 70kA electronic MCCB	327x210x191	3	8,798.61

Please enquire for 150kA units

All TS800/ TS1000/ TS1250 and TS1600 mccb units come complete with AG5 type trip units.
For other trip units available please refer to attached list

Please enquire for wide range of removable trip blocks which can include

- Ground fault protection
- With communication
- With Earth leakage protection
- Pre trip alarm
- Thermal, power, ammeter and Harmonic annunciation

Other features available

- Please call for a comprehensive catalogue
- Please call for dimensions

TD160 Range 16 - 160A 50kA (1 Pole, 240VAC)

Part no.	Description	Price \$
TD160HFMU16	10-16A 50kA Thermal magnetic 1 pole MCCB	225.24
TD160HFMU20	16-20A 50kA Thermal magnetic 1 pole MCCB	237.66
TD160HFMU25	20-25A 50kA Thermal magnetic 1 pole MCCB	255.10
TD160HFMU32	25-32A 50kA Thermal magnetic 1 pole MCCB	285.24
TD160HFMU40	32-40A 50kA Thermal magnetic 1 pole MCCB	297.31
TD160HFMU50	40-50A 50kA Thermal magnetic 1 pole MCCB	309.28
TD160HFMU63	50-63A 50kA Thermal magnetic 1 pole MCCB	321.69
TD160HFMU80	63-80A 50kA Thermal magnetic 1 pole MCCB	336.37
TD160HFMU100	80-100A 50kA Thermal magnetic 1 pole MCCB	388.29
TD160HFMU125	100-125A 50kA Thermal magnetic 1 pole MCCB	399.58
TD160HFMU160	125-160A 50kA Thermal magnetic 1 pole MCCB	430.84

Extended & Direct Mount Lockable Handles

Part no.	Description	Suits MCCB	Price \$
LS-DH2-S-TS	Direct rotary handle	TS100/160/250	125.40
LS-DH3-S-TS	Direct rotary handle	TS400/630	194.99
LS-DH5-S-TS	Direct rotary handle	TS1000/1250/1600	388.29
LS-DHK5-TS	Direct rotary handle with key lockable attachment	TS1000/1250/1600	485.48
LS-EH2-S-TS	Extended rotary handle and shaft	TS100/160/250	188.16
LS-EH3-S-TS	Extended rotary handle and shaft	TS400/630	234.55
LS-EH4-S-TS	Extended rotary handle and shaft	TS800	338.12
LS-EH5-S-TS	Extended rotary handle and shaft	TS1000/1250/1600	388.40

Locking Devices

Part no.	Description	Suits MCCB	Price \$
LS-PL2-TS	Removable locking device	TS100/160/250	38.15
LS-PL3-TS	Removable locking device	TS400/630	46.39
LS-PL4-TS	Removable locking device	TS800	54.58
LS-PL5-TS	Removable locking device	TS1000/1250/1600	72.80
LS-PHL2-TS	Fixed locking device	TS100/160/250	62.76
LS-PHL3-TS	Fixed locking device	TS400/630	98.20
LS-PHL4-TS	Fixed locking device	TS800	100.91
LS-PHL5-TS	Fixed locking device	TS1000/1250/1600	133.53

Mechanical Interlock

Part no.	Description	Suits MCCB	Price \$
LS-MIT53-TS	Mechanical interlock assembly	TS1000/1250/1600	123.15

Terminal Covers. Supplied in Pairs

Part no.	Description	Suits MCCB	Price \$
LS-ITL23-TS	Terminal cover long type	TS100/160/250	39.56
LS-ITL33-TS	Terminal cover long type	TS400/630	85.95
LS-ITL43-TS	Terminal cover long type	TS800	171.80
LS-ITL53-TS	Terminal cover long type	TS1000/1250/1600	208.76
LS-ITS23-TS	Terminal cover short type	TS100/160/250	19.13
LS-ITS33-TS	Terminal cover short type	TS400/630	35.44
LS-ITS43-TS	Terminal cover short type	TS800	54.58

Rear Connection Studs. Per set of 3

Part no.	Description	Price \$
LS-RTB23-TS	Rear connect studs to suit TS100/160/250	323.10
LS-RTB33-TS	Rear connect studs to suit TS400/630	616.58
LS-RTB43-TS	Rear connect studs to suit TS800	1,173.90

Terminal Spreaders. Per set of 3

Part no.	Description	Suits MCCB	Price \$
LS-SP23A-TS	Terminal spreaders	TS100/160/250	35.44
LS-SP33A-TS	Terminal spreaders	TS400/630	126.31
LS-SP43A-TS	Terminal spreaders	TS800	280.89
LS-SP53A-TS	Terminal spreaders	TS1000/1250/1600	584.92



TD160HFMU100



LS-DH2-S-TS



LS-EH3-S-TS



LS-PL3-TS

LS-PHL3-TS



LS-ITL33-TS



LS-ITS33-TS



LS-SP33A-TS



LS-FBA53-TS



LS-ABA53-TS



LS-VBC53A-TS



LS-LBC53A-TS



LS-SHT-TS-250



LS-UVT-TS-250



LS-MOP3-230

Barrier for Front Busbar Connection. Per set of 3

Part no.	Description	Suits MCCB	Price \$
LS-FBA53-TS	Barrier for front connection	TS1600	26.69

Barrier for Extension Busbar Terminal. Per set of 3

Part no.	Description	Suits MCCB	Price \$
LS-ABA53-TS	Barrier extension terminal	TS1600	29.12

Busbar Protection Plate. Per set of 3

Part no.	Description	Suits MCCB	Price \$
LS-PPR53-TS	Barrier plate	TS1600	33.35

Vertical Busbar Connection. Per set of 3

Part no.	Description	Price \$
LS-VBC53A-TS	For connection between vertical busbars and rear connection of TS1600 MCCB	739.33

Extension Busbar Connection. Per set of 3

Used in conjunction with LS-VBC53A-TS

Part no.	Description	Price \$
LS-EBC53A-TS	For extending connection between busbars and rear connection of TS1600 MCCB	739.33

Lug Terminal. Per set of 3

Part no.	Description	Price \$
LS-LBC53A-TS	For connection of cables to rear of TS1600 MCCB	305.89

Shunt Trip / Under Voltage Contacts

Part no.	Description	Suits MCCB	Price \$
LS-AX-TS	Auxiliary switch	All units up to TS800	65.47
LS-AX-TS1600	Auxiliary switch	TS1000/1250/1600	65.47
LS-AL-TS	Alarm switch	All units up to TS800	65.47
LS-AL-TS1600	Alarm switch	TS1000/1250/1600	65.47
LS-FAL-TS	Fault alarm switch	All units up to TS800	65.47
LS-FAL-TS1600	Fault alarm switch	TS1000/1250/1600	65.47
LS-SHT-TS-24	Shunt trip 24VAC/DC	All units up to TS800	152.72
LS-SHT-TS1600-24	Shunt trip 24VAC/DC	TS1000/1250/1600	152.72
LS-SHT-TS-250	Shunt trip 220-240VAC 250VDC	All units up to TS800	152.72
LS-SHT-TS1600-250	Shunt trip 220-240VAC 250VDC	TS1000/1250/1600	152.72
LS-SHT-TS-500	Shunt trip 380-500VAC	All units up to TS800	152.72
LS-SHT-TS1600-500	Shunt trip 380-500VAC	TS1000/1250/1600	152.72
LS-UVT-TS-24	Under voltage Trip 24VAC/DC	All units up to TS800	215.42
LS-UVT-TS1600-24	Under voltage Trip 24VAC/DC	TS1000/1250/1600	215.42
LS-UVT-TS-250	Under voltage Trip 220-240VAC/DC	All units up to TS800	215.42
LS-UVT-TS1600-250	Under voltage Trip 220-240VAC/DC	TS1000/1250/1600	215.42
LS-UVT-TS-500	Under voltage Trip 380-500VAC	All units up to TS800	215.42
LS-UVT-TS1600-500	Under voltage Trip 380-500VAC	TS1000/1250/1600	215.42

Motor Operators

Part no.	Description	Suits MCCB	Price \$
LS-MOP2-24	Motor operator 24VAC	TS100/160/250	1,052.79
LS-MOP2-240	Motor operator 100-240VAC/100-220VDC	TS100/160/250	1,052.79
LS-MOP3-24	Motor operator 24VDC	TS400/630	2,101.73
LS-MOP3-110	Motor operator 100-110VAC	TS400/630	2,101.73
LS-MOP3-230	Motor operator 230VAC / 220VDC	TS400/630	2,101.73
LS-MOP4-24	Motor operator 24VDC	TS800	2,101.73
LS-MOP4-110	Motor operator 100-110VAC	TS800	2,101.73
LS-MOP4-230	Motor operator 230VAC / 220VDC	TS800	2,101.73

TS MCCB RCD Unit

Easily fitted to load side of MCCB
Operates with all MCCB's from TS100 to TS800
Protection for people against earth leakage currents
Complete with test button
Can operate with an alarm switch (FAL type)
Adjustable residual current on each unit of - 0.03A, 0.3A, 1A, 3A, 10A
Adjustable time delay on each unit

Part no.	Description	Suits MCCB	Price \$
TS160-RTU23/240V	Residual current trip device fully adjustable	TS100 / TS160	618.56
TS160-RTU23/415V	Residual current trip device fully adjustable	TS100 / TS160	618.56
TS250-RTU23/240V	Residual current trip device fully adjustable	TS250	618.56
TS250-RTU23/415V	Residual current trip device fully adjustable	TS250	618.56
TS400-RTU33/240V	Residual current trip device fully adjustable	TS400	988.79
TS400-RTU33/415V	Residual current trip device fully adjustable	TS400	988.79
TS630-RTU33/240V	Residual current trip device fully adjustable	TS630	988.79
TS630-RTU33/415V	Residual current trip device fully adjustable	TS630	988.79
TS800-RTU43/240V	Residual current trip device fully adjustable	TS800	1,239.37
TS800-RTU43/415V	Residual current trip device fully adjustable	TS800	1,239.37

Susol
Super Solution



TS250-RTU23



TS250N with RTU23 Fitted

800A Single and Double Sided MCCB Chassis to suit TS100/160/250 MCCB'S

Available in single and double sided configuration. Tested to 50kA for 0.1sec, IEC 61439-2 IP2X. Singled sided units have been designed for easy adaption into the Eureka Distribution and Enclosure System. (Please enquire for mounting brackets to bring the chassis to the height of the escutcheon).

CAD blocks and dimensional drawings available on request

Part no.	Description	Suits MCCB	Price \$
<i>Single Sided Units</i>			
SS800/50/3	3 pole 800A 50kA single sided MCCB chassis	TS100/160/250	415.00
SS800/50/6	6 pole 800A 50kA single sided MCCB chassis	TS100/160/250	555.00
SS800/50/9	9 pole 800A 50kA single sided MCCB chassis	TS100/160/250	695.00
SS800/50/12	12 pole 800A 50kA single sided MCCB chassis	TS100/160/250	840.00
SS800/50/15	15 pole 800A 50kA single sided MCCB chassis	TS100/160/250	980.00
SS800/50/18	18 pole 800A 50kA single sided MCCB chassis	TS100/160/250	1210.00
SS800/50/21	21 pole 800A 50kA single sided MCCB chassis	TS100/160/250	1265.00
SS800/50/24	24 pole 800A 50kA single sided MCCB chassis	TS100/160/250	1405.00
SS800/50/30	30 pole 800A 50kA single sided MCCB chassis	TS100/160/250	1690.00
SS800/50/36	36 pole 800A 50kA single sided MCCB chassis	TS100/160/250	1970.00
<i>Double Sided Units</i>			
DS800/50/6	6 pole 800A 50kA double sided MCCB chassis	TS100/160/250	392.00
DS800/50/12	12 pole 800A 50kA double sided MCCB chassis	TS100/160/250	515.00
DS800/50/18	18 pole 800A 50kA double sided MCCB chassis	TS100/160/250	635.00
DS800/50/24	24 pole 800A 50kA double sided MCCB chassis	TS100/160/250	755.00
DS800/50/30	30 pole 800A 50kA double sided MCCB chassis	TS100/160/250	875.00
DS800/50/36	36 pole 800A 50kA double sided MCCB chassis	TS100/160/250	995.00
DS800/50/42	42 pole 800A 50kA double sided MCCB chassis	TS100/160/250	1115.00
DS800/50/48	48 pole 800A 50kA double sided MCCB chassis	TS100/160/250	1235.00
DS800/50/60	60 pole 800A 50kA double sided MCCB chassis	TS100/160/250	1475.00
DS800/50/72	72 pole 800A 50kA double sided MCCB chassis	TS100/160/250	1720.00

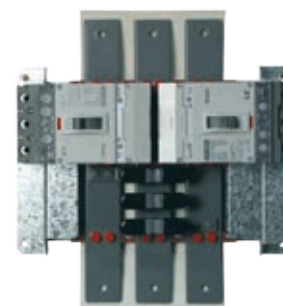
Please enquire for escutcheon cut-out and mounting details

Eureka

NEW

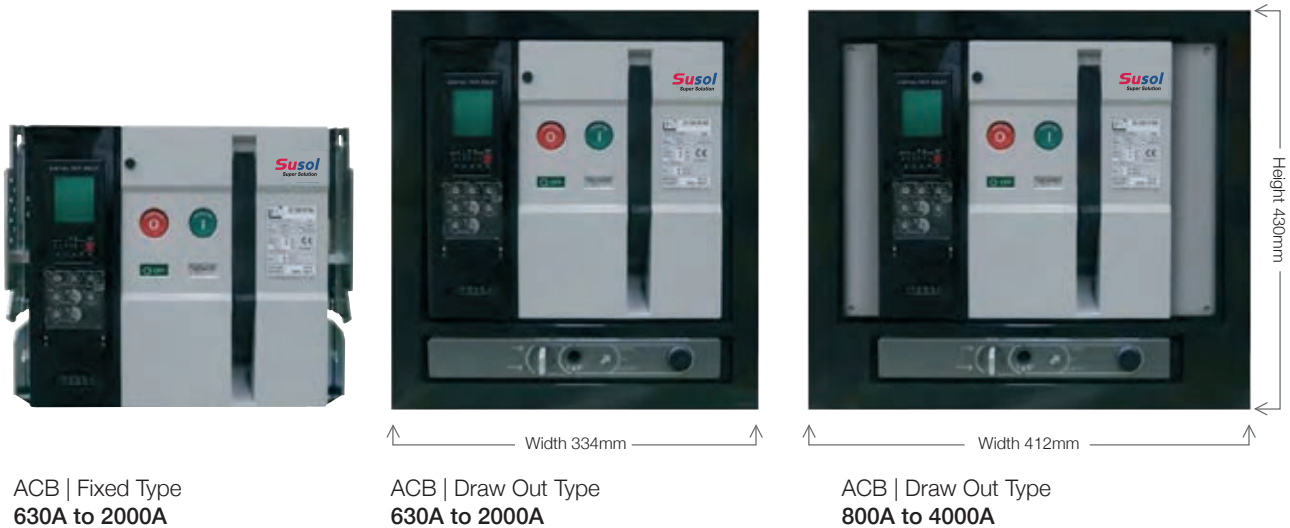


SS800/50/12



DS800/50/12

High breaking capacities, fully optioned & optimised panel space.



With a full range of accessories, over-current relays and connection methods LS offer the complete solution for most applications in power distribution.

LS's ACB provides you with total solutions with our advanced trip relay for measurement, diagnostics, analysis and communications, also with advanced protective functions for absolute protective co-ordination and power monitoring system.

A flexible package offers flexible solutions, separate cradle's selection of OCR to suit, accessories to ensure optimum selection process.

Two frame sizes from 630 to 4000A in both fixed and draw-out configuration. LS ACB's are fitted with a large number of standard accessories. The two frame sizes have overlapping ratings, thus allowing for optimised selection and space savings.

ACB's for Power Distribution

Electrical Characteristics



Type			AN...630	AN...800	AN...1000	AN...1250	AN...1600
Ampere frame	(AF)		630	800	1000	1250	1600
Rated current, (A)	(In max)	at 40°C	200 400 630	400 630 800	1000	1250	1600
Setting Current (A)	Control trip relay (... x In max)		(0.4 ~ 1.0) x In max				
Rated current of neutral pole (A)			400 630	400 630 800	1000	1250	1600
Rated insulation voltage (V)	(Ui)		1000				
Rated operating voltage (V)	(Ue)		690				
Rated impulse withstand voltage (kV)	(Uimp)		12				
Frequency (Hz)			50/60				
Number of Poles (P)			3, 4				
Rated breaking capacity (kA sym)	IEC 60947-2 (Icu) KS C 4620	220/230/380/415V	65				
AC50/60Hz		460/480/500V	65				
		550/600/690V	50				
Rated service breaking capacity (kA) (Ics)		... % x Icu	100%				
Rated making capacity (kA peak)	IEC 60947-2 (Icu) KS C 4620	220/230/380/415V	143				
AC50/60Hz		460/480/500V	143				
		550/600/690V	105				
Rated short-time withstand current (kA)	(Icw)	1 sec	50				
		2 sec	42				
		3 sec	36				
Operating time (ms)		Max. total breaking time	40				
		Max. closing time	80				
Connections	Draw-out/Fixed	Horizontal connection	●				
		Vertical connection	○				
		Front connection	○				
		Mixed connection	○				
Life cycle (time)	Mechanical	Without maintenance	20,000				
		Without maintenance	30,000				
	Electrical	Without maintenance	5,000				
		Without maintenance	10,000				
Weight (kg)	Draw-out type	Main body	63/74				
(3P/4P)		(with cradle)	61/72				
		Cradle only	29/32				
	Fixed type	Motor charging type	34/44				
		Manual charging type	32/42				
External dimensions (mm)	Draw-out	3P	430 x 334 x 375				
(H x W x D)	type	4P	430 x 419 x 375				
	Fixed type	3P	300 x 300 x 295				
	4P		300 x 385 x 295				
Trip relay			N, A, P type				
Certificate & Approval			KS / KEMA / KERI / GOST				
Marine Classification			LR, ABS, DNV, KR, BV, GL, RINA, NK				

● Standard / Option



ACB's for Power Distribution

Electrical Characteristics

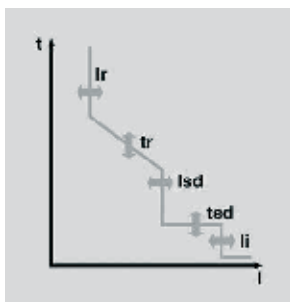


Type				AS...2000	AS...2500	AS...3200	AS...4000	
Ampere frame		(AF)		2000	2500	3200	4000	
Rated current, (A)		(In max)	at 40°C	2000	2500	3200	4000	
Setting Current (A)		Control trip relay (... x In max)			(0.4 ~ 1.0) x In max			
Rated current of neutral pole (A)					2000	2500	3200	4000
Rated insulation voltage (V)		(Ui)		1000				
Rated operating voltage (V)		(Ue)		690				
Rated impulse withstand voltage (kV)		(Uimp)		12				
Frequency (Hz)				50/60				
Number of Poles (P)				3, 4				
Rated breaking capacity (kA sym)		IEC 60947-2		70	85			
AC50/60Hz		(Icu)		70	85			
		KS C 4620		65	85			
Rated service breaking capacity (kA) (Ics)		... % x Icu		100%				
Rated making capacity (kA peak)		IEC 60947-2		154	187			
AC50/60Hz		(Icu)		154	187			
		KS C 4620		143	187			
Rated short-time				65	85			
withstand current (kA)		(Icw)		55	75			
				50	65			
Operating time (ms)		Max. total breaking time		40				
		Max. closing time		80				
Connections		Draw-out/Fixed		—	●	●	○	
				●	○	○	●	
				—	○	○	—	
				—	○	○	—	
Life cycle (time)		Mechanical		15,000				
				20,000				
		Electrical		5,000				
				10,000				
Weight (kg)		Draw-out type	Main body	70/85	87/103	87/103	104/147	
(3P/4P)			(with cradle)	68/83	85/101	85/101	102/145	
			Cradle only	33/40	44/50	44/50	58/70	
		Fixed type	Motor charging type	38/47	44/55	44/55	63/100	
			Manual charging type	36/45	42/53	42/53	61/98	
External dimensions (mm)		Draw-out	3P	430x334x375	430 x 412 x 375			
(H x W x D)		type	4P	430x419x375	430 x 527 x 375			
		Fixed type	3P	300x300x295	300 x 378 x 295			
		4P		300x385x295	300 x 493 x 295			
Trip relay				N, A, P type				
Certificate & Approval				KS / KEMA / KERI / GOST				
Marine Classification				LR, ABS, DNV, KR, BV, GL, RINA, NK				

● Standard / Option

ACB's for Power Distribution

ACB Protection



Long Time

Current setting (A)	$I_u = I_n \times \dots$	0.5	0.6	0.7	0.8	0.9	1.0						
	$I_r = I_u \times \dots$	0.8	0.83	0.85	0.88	0.9	0.93	0.95	0.98	1.0			
Time delay (s)	$t_r @ (1.5 \times I_r)$	12.5	25	50	100	200	300	400	500	Off			
Accuracy: $\pm 15\%$ or below	$t_r @ (6.0 \times I_r)$	0.5	1	2	4	8	12	16	20	Off			
100ms	$t_r @ (7.2 \times I_r)$	0.34	0.69	1.38	2.7	5.5	8.3	11	13.8	Off			

Short Time

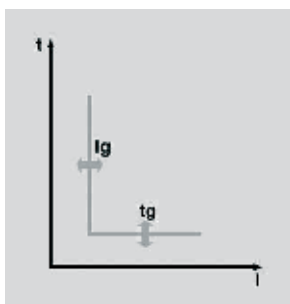
Current setting (A)	$I_{sd} = I_r \times \dots$	1.5	2	3	4	5	6	8	10	Off			
Accuracy: $\pm 10\%$													
Time delay (s)	t_{sd}	0.05	0.1	0.2	0.3	0.4							
@ $10 \times I_r$			0.1	0.2	0.3	0.4							
	Min. Trip Time(ms)	20	80	160	260	360							
	Max. Trip Time(ms)	80	140	240	340	440							

Instantaneous

Current setting (A)	$I_i = I_n \times \dots$	2	3	4	6	8	10	12	15	Off			
Tripping time		below 50ms											

Ground Fault

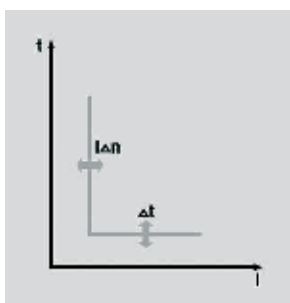
Pick-up (A)													
Accuracy: $\pm 10\%$ ($I_g \geq 0.4 I_n$)	$I_g = I_n \times \dots$	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	Off			
Accuracy: $\pm 20\%$ ($I_g \leq 0.4 I_n$)													
	t_g	0.05	0.1	0.2	0.3	0.4							
		0.1	0.2	0.3	0.4								
Time delay (s)	Min. Trip Time(ms)	20	80	160	260	360							
@ $1 \times I_n$	Max. Trip Time(ms)	80	140	240	340	440							



Earth leakage (option)

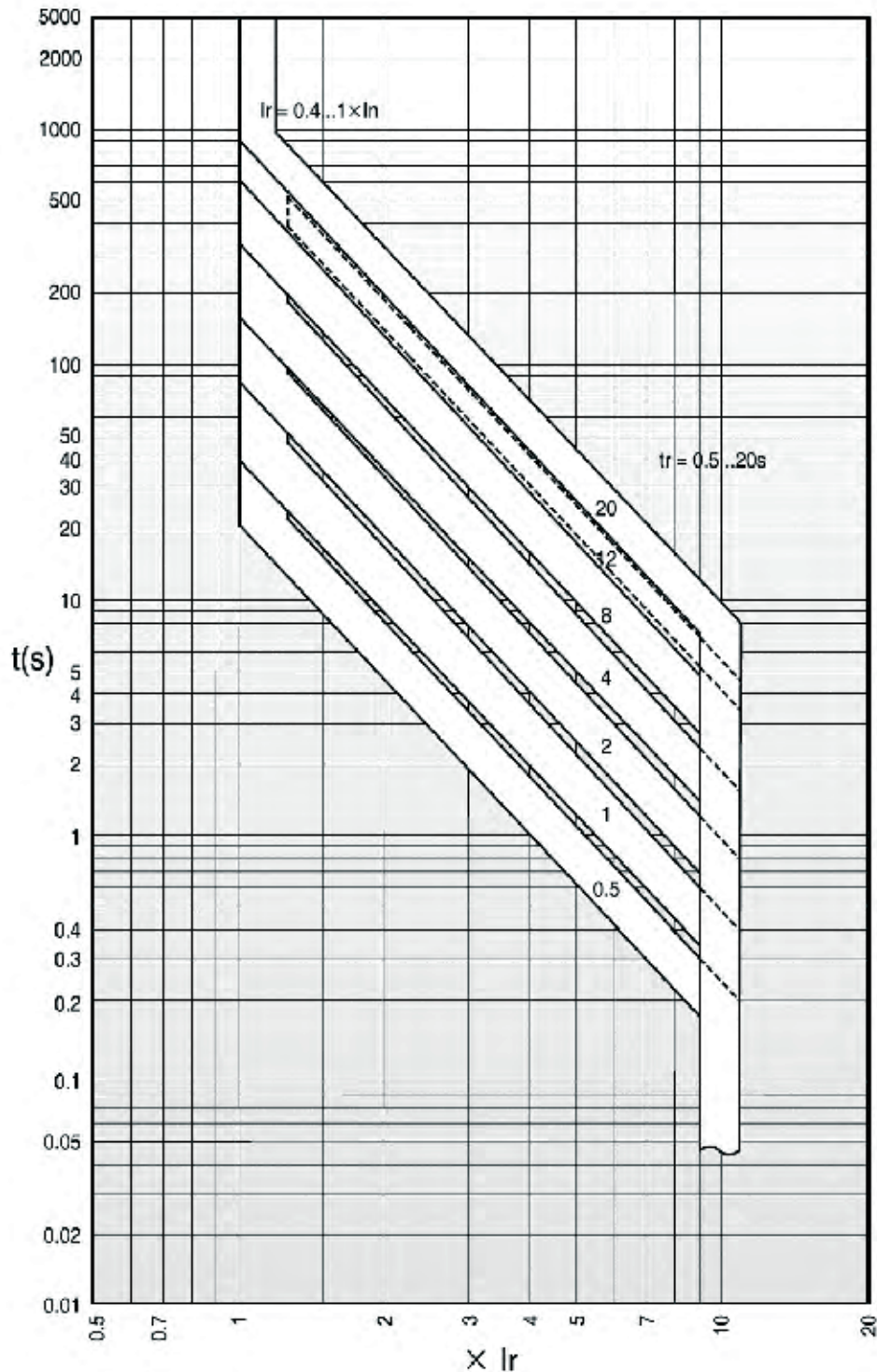
Current setting (A)	$I_{\Delta n}$	0.5	1	2	3	5	10	20	30	Off			
Time delay (ms)	Alarm Time(ms)	140	230	350	800	950							
Accuracy: $\pm 15\%$	Trip Time(ms)	140	230	350	800								

Note | Earth leakage function is available with ZCT or external CT



ACB Characteristic Curves

Air Circuit Breakers Long-Time Delay



LS Susol / Metasol Air Circuit Breakers

3 Frame sizes available from 630 to 4000A

65, 70, 85 and 100kA units available

4 types of trip relays available - Trip relays must be ordered separately/ refer page 185

Various connection methods available- horizontal / vertical / front or mixed configuration of these three.

Please nominate when ordering.

Fixed or Draw out ACB

Wide range of accessories

Changeover units using interlocking devices available on request

For further details and comprehensive product guide, please call

Please nominate fault rating (...Ka) and format(Fixed -F, Draw Out -D) when ordering

Part no.	Rated Current (A)	Setting Range (A)	kA @415V	No. of Poles	Format	Price \$
AN-06D3-630A	630	315 - 630	65	3	Fixed	POA
AN-06D3-630A	630	315 - 630	65	3	Draw out	POA
AN-06D4-630A	630	315 - 630	65	4	Fixed	POA
AN-06D4-630A	630	315 - 630	65	4	Draw out	POA
AN-08D3-800A	800	400 - 800	65	3	Fixed	POA
AN-08D3-800A	800	400 - 800	65	3	Draw out	POA
AN-08D4-800A	800	400 - 800	65	4	Fixed	POA
AN-08D4-800A	800	400 - 800	65	4	Draw out	POA
AN-10D3-1000A	1000	500 - 1000	65	3	Fixed	POA
AN-10D3-1000A	1000	500 - 1000	65	3	Draw out	POA
AN-10D4-1000A	1000	500 - 1000	65	4	Fixed	POA
AN-10D4-1000A	1000	500 - 1000	65	4	Draw out	POA
AN-13D3-1250A	1250	625 - 1250	65	3	Fixed	POA
AN-13D3-1250A	1250	625 - 1250	65	3	Draw out	POA
AN-13D4-1250A	1250	625 - 1250	65	4	Fixed	POA
AN-13D4-1250A	1250	625 - 1250	65	4	Draw out	POA
AN-16D3-1600A	1600	800 - 1600	65	3	Fixed	POA
AN-16D3-1600A	1600	800 - 1600	65	3	Draw out	POA
AN-16D4-1600A	1600	800 - 1600	65	4	Fixed	POA
AN-16D4-1600A	1600	800 - 1600	65	4	Draw out	POA
AS-20D3-2000A	2000	1000 - 2000	70	3	Fixed	POA
AS-20D3-2000A	2000	1000 - 2000	70	3	Draw out	POA
AS-20D4-2000A	2000	1000 - 2000	70	4	Fixed	POA
AS-20D4-2000A	2000	1000 - 2000	70	4	Draw out	POA
AS-25E3-2500A	2500	1250 - 2500	85	3	Fixed	POA
AS-25E3-2500A	2500	1250 - 2500	85	3	Draw out	POA
AS-25E4-2500A	2500	1250 - 2500	85	4	Fixed	POA
AS-25E4-2500A	2500	1250 - 2500	85	4	Draw out	POA
AS-32E3-3200A	3200	1600 - 3200	85	3	Fixed	POA
AS-32E3-3200A	3200	1600 - 3200	85	3	Draw out	POA
AS-32E4-3200A	3200	1600 - 3200	85	4	Fixed	POA
AS-32E4-3200A	3200	1600 - 3200	85	4	Draw out	POA
AS-40E3-4000A	4000	2000 - 4000	85	3	Fixed	POA
AS-40E3-4000A	4000	2000 - 4000	85	3	Draw out	POA
AS-40E4-4000A	4000	2000 - 4000	85	4	Fixed	POA
AS-40E4-4000A	4000	2000 - 4000	85	4	Draw out	POA



Susol
Super Solution



AN16D3-1600A



AN16D4-1600A



Horizontal Busbar Connection



Horizontal & Vertical Busbar Connection



Vertical Busbar Connection



Vertical & Extended Busbar Connection



Top & Bottom Extended Busbar Connection



OCR N TYPE



OCR A TYPE



OCR P&S TYPE



LS-RCS



LS-CTD



LS-MIP



LS-DF



LS-B



LS-K1

Trip units (Over current relays)

4 types available

With self powered LCD display on N and A units

100-250VAC and 24-60VDCV operated display on P and S units

A, P and S type can operate with Modbus via RS-485 port or Profibus-DP

Earth leakage option

A,P and S unit have Fault recording memory feature

Easy to install

For comprehensive trip relay selectivity tables, refer p.158

Part no.	Function / Features	Price \$
LS-NG5	Normal without comms, 50Hz Self powered L,S,I,P	POA
LS-AG5	Ammeter without comms, 50Hz LCD, Self powered L,S,I,G,P	POA
LS-AE5	Ammeter without comms, 50Hz LCD, Self powered L,S,I,G,P and external C.T	POA
LS-AC5	Ammeter with comms,50Hz LCD, Self powered L,S,I,G,P	POA
LS-AX6	Ammeter with comms,50Hz LCD, Self powered L,S,I,G,P and external C.T	POA
LS-PC6	Power meter with comms L,S,I,G,P,C	POA
LS-PX6	Power meter with comms L,S,I,G,P,C and external C.T	POA
LS-SC6	Supreme meter with comms L,S,I,G,P,C	POA
LS-SX6	Supreme meter with comms L,S,I,G,P,C and external C.T	POA

ACB Electrical Accessories

Part no.	Function / Features	Price \$
LS-M	Motor spring charging mechanism	POA
LS-UVT	Instantaneous under voltage trip device (AC)	POA
LS-UDC	Under voltage time delay controller	POA
LS-TM	Temperature alarm	POA
LS-NM	Remote I/O controller	POA
LS-CTD	Condenser trip device	POA
LS-OT	OCR tester	POA
LS-AL	Trip alarm contact	POA
LS-RCS	Ready to close switch	POA
LS-CTD	Counter	POA
LS-BX	Auxiliary switch 5 N/O and 5 N/C	POA
LS-ATS	Automatic transfer switch controller	POA

ACB Mechanical Accessories

Part no.	Function / Features	Price \$
LS-MIP	Mis - insertion preventer	POA
LS-DF	Door frame - IP30	POA
LS-DC	Dust Cover	POA
LS-B	On / Off button lock	POA
LS-K1	Key lock - mechanical ON prevention	POA
LS-K2	Key lock - mechanical OFF prevention	POA
LS-K3	Key lock - 2 incomer, 1 coupler system (2 keys)	POA
LS-DI	Door interlock	POA
LS-MI	2 way mechanical interlock - wire type	POA
LS-B	On / Off button lock	POA
LS-LH	Lifting hook	POA
LS-CEL	Cell switch 4C	POA
LS-MOC	Mechanical cell switch	POA

415V H Type Manual Motor Starter and Metasol Contactors

Rated Operational Power Current (A)				Circuit breaker		Contactor	Thermal Overload Relays		Short Circuit Breaking Capacity	
Kw	380V	400V	415V	Type	Rating (A)	Type	Type	Setting Range (A)	Ir (Ka)	Iq (Ka)
0.06	0.21	0.2	0.19	MMS-32H	0.25	MC-9B			1	50
0.09	0.32	0.3	0.29	MMS-32H	0.4	MC-9B			1	50
0.12	0.46	0.44	0.42	MMS-32H	0.63	MC-9B			1	50
0.18	0.63	0.6	0.58	MMS-32H	0.63	MC-9B			1	50
0.25	0.89	0.85	0.82	MMS-32H	1	MC-9B			1	50
0.37	1.16	1.1	1.06	MMS-32H	1.6	MC-12B			1	50
0.55	1.6	1.5	1.4	MMS-32H	1.6	MC-12B			1	50
0.75	2	1.9	1.8	MMS-32H	2.5	MC-12B			1	50
1.1	2.8	2.7	2.6	MMS-32H	4	MC-22B			1	50
1.5	3.8	3.6	3.5	MMS-32H	4	MC-22B			1	50
2.2	5.2	4.9	4.7	MMS-32H	6	MC-22B			1	50
3	6.8	6.5	6.3	MMS-32H	8	MC-40A			1	50
4	8.9	8.5	8.2	MMS-32H	10	MC-40A			1	50
5.5	12.1	11.5	11.1	MMS-32H	13	MC-40A			3	50
7.5	16.3	15.5	14.9	MMS-32H	17	MC-40A			3	50
11	23.2	22	21.2	TD100	25	MC-50A	MT-63	18 - 25	3	70
15	31	29	28	TD100	32	MC-50A	MT-63	22 - 32	3	70
18.5	37	35	34	TD100	40	MC-50A	MT-63	32 - 40	3	70
22	43	41	40	TD100	50	MC-50A	MT-63	34 - 50	3	70
3	58	55	53	TD100	63	MC-65A	MT-63	45 - 65	3	70
30	69	66	64	TD100	80	MC-75A	MT-95	54 - 75	3	70
45	84	80	77	TD100	100	MC-85A	MT-95	63 - 85	3	70
55	-	-	93	TD100	100	MC-100A	MT-95	70 - 95	3	70

415V Susol MCCB and Metasol Contactor & Overload

Rated Operational Power Current (A)				Circuit breaker		Contactor	Thermal Overload Relays		Short Circuit Breaking Capacity	
Kw	380V	400V	415V	Type	Rating (A)	Type	Type	Setting Range (A)	Ir (Ka)	Iq (Ka)
0.06	0.21	0.2	0.19	TS100	1.6	MC-9B	MT-32	0.1 - 0.16	1	50
0.09	0.32	0.3	0.29	TS100	1.6	MC-9B	MT-32	0.16 - 0.25	1	50
0.12	0.46	0.44	0.42	TS100	1.6	MC-9B	MT-32	0.25 - 0.4	1	50
0.18	0.63	0.6	0.58	TS100	1.6	MC-9B	MT-32	0.4 - 0.63	1	50
0.25	0.89	0.85	0.82	TS100	1.6	MC-9B	MT-32	0.63 - 1	1	50
0.37	1.16	1.1	1.06	TS100	1.6	MC-12B	MT-32	1 - 1.6	1	50
0.55	1.6	1.5	1.4	TS100	1.6	MC-12B	MT-32	1 - 1.6	1	50
0.75	2	1.9	1.8	TS100	1.6	MC-12B	MT-32	1.6 - 2.5	1	50
1.1	2.8	2.7	2.6	TS100	3.2	MC-22B	MT-32	2.5 - 4	1	50
1.5	3.8	3.6	3.5	TS100	3.2	MC-22B	MT-32	2.5 - 4	1	50
2.2	5.2	4.9	4.7	TS100	3.2	MC-22B	MT-32	4 - 6	1	50
3	6.8	6.5	6.3	TS100	6.3	MC-40A	MT-32	5 - 8	1	50
4	8.9	8.5	8.2	TS100	6.3	MC-40A	MT-32	6 - 9	1	50
5.5	12.1	11.5	11.1	TS100	12	MC-40A	MT-32	9 - 13	3	50
7.5	16.3	15.5	14.9	TS100	12	MC-40A	MT-32	12 - 18	3	50
11	23.2	22	21.2	TD100	25	MC-50A	MT-63	18 - 25	3	70
15	31	29	28	TD100	32	MC-50A	MT-63	24 - 36	3	70
18.5	37	35	34	TD100	40	MC-50A	MT-63	28 - 40	3	70
22	43	41	40	TD100	50	MC-50A	MT-63	34 - 50	3	70
3	58	55	53	TD100	63	MC-65A	MT-63	45 - 65	3	70
30	69	66	64	TD100	80	MC-75A	MT-95	54 - 75	3	70
45	84	80	77	TD100	100	MC-85A	MT-95	63 - 85	3	70
55	-	-	93	TD100	100	MC-100A	MT-95	70 - 95	3	70

In accordance with the requirements of **AS/NZ3000:2007** the following table provides the Ka value of a downstream breaker or breakers when applied to a circuit with the stated upstream breaker value. The upstream breaker limits the current to the downstream breaker(s) in the event of a short circuit to ensure that the downstream breaker operates normally. The values are based on both calculations for known thermal stress capability of the individual breakers as well as verification by testing.

Upstream Susol			TS100N	TS100H	TS100L	TS160N	TS160H	TS160L
Rated breaking capacity Ka			50	85	150	50	85	150
Downstream Rated brk. cap. Ka			Enhanced breaking capacity Ka					
LS Din	BKN up to 63A	6	30	30	30	30	30	30
	BKNb (< = 40A)	10	30	30	30	30	30	30
	BKNb (50-63A)	10	40	50	50	50	50	50
	BKH (63-125A)	10	25	25	25	25	25	25
LS Susol	TS100N	50		85	150		85	150
	TS100H	85			150			150
	TS160N	50					85	150
	TS160H	85						150
Upstream Susol			TS250N	TS250H	TS250L	TS400N	TS400H	TS400L
Rated breaking capacity Ka			50	85	150	50	85	150
Downstream Rated brk. cap. Ka			Enhanced breaking capacity Ka					
LS Din	BKN up to 63A	6	30	30	30			
	BKNb (< = 40A)	10	40	40	40			
	BKNb (50-63A)	10	30	30	30			
	BKH (63-125A)	10	25	25	25			
LS Susol	TS100N	50		85	150	65	85	150
	TS100H	85			150			150
	TS160N	50		85	150	65	85	150
	TS160H	85			150			150
	TS250N	50		85	150	65	85	150
	TS250H	85			150			150
	TS400N	65					85	150
	TS400H	85						150
Upstream Susol			TS630N	TS630H	TS630L	TS800N	TS800H	TS800L
Rated breaking capacity Ka			65	85	150	65	100	150
Downstream Rated brk. cap. Ka			Enhanced breaking capacity Ka					
LS Susol	TS100N	50	65	85	150	65	100	150
	TS100H	85			150		100	150
	TS160N	50	65	85	150	65	100	150
	TS160H	85			150		100	150
	TS250N	50	65	85	150	65	100	150
	TS250H	85			150		100	150
	TS400N	65		85	150		100	150
	TS400H	85			150		100	150
	TS630N	65		85	150		100	150
	TS630H	85			150		100	150
	TS800N	65					100	150
	TS800H	100						150

Information in the above aforementioned tables has been developed in conjunction with LSIS.

The following table details the Ka takeover value (left hand side value) of the upstream circuit breaker when applied in a circuit with the stated downstream breaker in the event of a short circuit. The right hand value is the enhanced downstream breaker capacity when backed up by the stated upstream breaker.
Total discrimination can be expected in the event of a short circuit for all combinations in the shaded columns. That is the downstream breaker should clear the fault without tripping the upstream breaker up to the enhanced breaking capacity.

Enhanced take over value —> 15/30 <— Downstream breaker enhanced breaking capacity

Upstream circuit breaker : Susol TS160 to TS250. Downstream circuit breaker : LS BK din series

Upstream		TS160N/H/L				TS250/N/H/L		
		50/85/150kA		TM-FMU		50/85/150kA		TM-ATU
Downstream	Trip Unit Rating	80	100	125	160	160	200	250
BKN 6kA	< = 16	30/30	30/30	30/30	30/30	30/30	30/30	30/30
	20-25	30/30	30/30	30/30	30/30	30/30	30/30	30/30
	32-40	15/30	30/30	30/30	30/30	30/30	30/30	30/30
	50	15/30	30/30	30/30	30/30	30/30	30/30	30/30
	63		30/30	30/30	30/30	30/30	30/30	30/30
BKN-b 10kA	< = 16	50/50	50/50	50/50	50/50	40/40	40/40	40/40
	20-25	50/50	50/50	50/50	50/50	40/40	40/40	40/40
	32-40	15/50	50/50	50/50	50/50	40/40	40/40	40/40
	50	15/40	40/40	40/40	40/40	30/30	30/30	30/30
	63		40/40	40/40	40/40	30/30	30/30	30/30
BKH 10kA	63		2.5/25	2.5/25	2.5/25	25/25	25/25	25/25
	80		2.5/25	2.5/25	2.5/25	25/25	25/25	25/25
	100				2.5/25	25/25	25/25	25/25
	125					25/25	25/25	25/25
		Electronic ETS						
Downstream	Trip Unit Rating	100		160		250		
BKN 6kA	< = 2.5	40/40		40/40		40/40		
	32-40	6/40		40/40		40/40		
	50-63			40/40		40/40		
BKN-b 10kA	< = 25	40/40		50/50		40/40		
	32-40	10/40		50/50		40/40		
	50-63			50/50		40/40		
BKH 10kA	63			2.5/25		25/25		
	80			2.5/25		25/25		
	100					10/25		
	125							

Information in the above aforementioned tables has been developed in conjunction with LSIS.

PHOENIX CONTACT PRODUCTS

Surge Diverters.....	175
UT din mount terminal range and accessories.....	176
ST din mount terminal range and accessories.....	178
PT din mount terminal range and accessories.....	180
Plug in bridges to suit UT, ST and PT terminals.....	182
Terminal marking to suit UT, ST and PT terminal range.....	182
Ethernet switches.....	185
Signal convertors.....	186
Isolating barriers	187
Quint range of Power supplies	189
Trio range of power supplies	189
Uno range of power supplies.....	189
DC to DC convertors.....	190
Redundancy modules.....	190
DC UPS systems and batteries	191
Hybrid motor starters	191
Rifline relays	192
PLC Ultra slim relays	196
Programmable logic relay system and accessories.....	198



Phoenix Contact Surge Arrestors

Visible window to show status of unit, Din mount, class 2, to EN 61643-11

20kA – 80kA units available.

1 module – 4 module.

Part no.	Description	Price \$
XPC2839127	Type 2 surge arrester 20kA/40kA 1 module wide with replaceable plug	70.65
XPC2839130	Type 2 surge arrester 20kA/40kA 1 module wide with replaceable plug and remote indicator contact	85.59
XPC2859178	Type 2 surge arrester 20kA/40kA 3ph + N 4 module wide with replaceable plug	277.29
XPC2859181	Type 2 surge arrester 20kA/40kA 3ph + N 4 module wide with replaceable plug and remote indicator contact	317.87
XPC2804380	Type 2 surge arrester 20kA/40kA 1ph + N + E 2 module wide with replaceable plug	152.25
XPC2798844	Replaceable plug in module to suit all units with visible trip window to suit all 20kA/40kA units	57.83
XPC2920890	Type 2 surge arrester 65kA 3ph + N + E 4 module wide with replaceable plug and remote indicator contact	465.49
XPC2920887	Type 2 surge arrester 65kA 3ph + N + E 4 module wide with replaceable plug	533.57
XPC2920968	Type 2 surge arrester 80kA 3ph + N + E 4 module wide with replaceable plug and remote indicator contact	597.61
XPC2920971	Type 2 surge arrester 80kA 3ph + N + E 4 module wide with replaceable plug	521.35
XPC2921242	Type 2 surge arrester 65kA 1ph + N + E 2 module wide with replaceable plug and remote indicator contact	292.92
XPC2921255	Type 2 surge arrester 65kA 1ph + N + E 2 module wide with replaceable plug	255.53
XPC2921284	Type 2 surge arrester 80kA 1ph + N + E 2 module wide with replaceable plug and remote indicator contact	328.06
XPC2921297	Type 2 surge arrester 80kA 1ph + N + E 2 module wide with replaceable plug	286.18
XPC2920308	Replaceable plug in module to suit all units with visible trip window to suit all 65kA units	106.77
XPC2920353	Replaceable plug in module to suit all units with visible trip window to suit all 80kA units	125.60

* Units can be installed in TT and TN type earthing connection.

NEW



XPC2839130



XPC2798844

Related products:



Rittal Enclosures
p.57



Eaton Cam
Switches
p.121



ABC Controllers
p.201



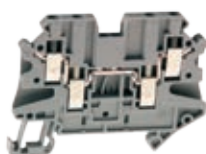
Hoist Switches
p.230



XPC3044076

NEW

XPC3044513



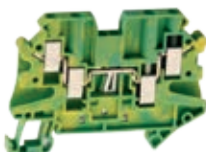
XPC3044542



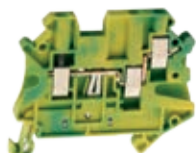
XPC3214259



XPC3044636



XPC3044568



XPC3044539



XPC3044092

UT Screw Terminals with Plug-In Bridging

The UT screw connection terminal blocks from the CLIPLINE complete system satisfy the most stringent requirements and cover a wide area of application. They impress with their maintenance-free conductor connection and offer maximum flexibility with their multi-conductor connection. You can connect conductors with a nominal cross section either with or without ferrules. It is not necessary to tighten the terminal block screws, since they are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact. Very large conductor cross sections up to 240 mm² can also be wired gas-tight and with long-term stability thanks to the high contact forces.

Single Level - Feed-Through Terminals

Grey, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3044076	UT 2.5	1IN/1OUT	0.14-2.5mm	47.5 x 5.2 x 47.5	32	1.13
XPC3044513	UT 2.5 -TWIN	1IN/2OUT	0.14-2.5mm	57.8 x 5.2 x 47.5	30	2.10
XPC3044542	UT 2.5 - QUATTRO	2IN/2OUT	0.14-2.5mm	65.4 x 5.2 x 47.5	30	2.43
XPC3044102	UT 4	1IN/1OUT	0.14-4mm	47.7 x 6.2 x 47.7	41	1.31
XPC3044364	UT 4 - TWIN	1IN/2OUT	0.14-4mm	57.8 x 6.2 x 47.5	41	2.25
XPC3044571	UT 4 - QUATTRO	2IN/2OUT	0.14-4mm	65.4 x 6.2 x 47.5	39	2.50
XPC3044131	UT 6	1IN/1OUT	0.25-6mm	47.7 x 8.2 x 47.5	57	1.98
XPC3044160	UT 10	1IN/1OUT	0.5-10mm	47.7 x 10.2 x 47.7	76	2.46
XPC3044199	UT 16	1IN/1OUT	1-16mm	55.5 x 12.2 x 55	101	4.11
XPC3044225	UT 35	1IN/1OUT	1.5-35mm	60.2 x 16 x 65.7	150	8.51

XPC3044225 does not require an end cover

Double Level - Feed Through Terminals

Grey, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3044636	UTTB 2.5	(1IN/1OUT)*2	0.14-2.5mm	69.9 x 5.2 x 65	28	3.33
XPC3044814	UTTB 4	(1IN/1OUT)*2	0.14-4mm	69.9 x 6.2 x 65	36	5.33

Triple Level - Feed-Through Terminal

Grey, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3214259	UT 2.5-3L	(1IN/1OUT)*3	0.14-2.5mm	90 x 5.2 x 77.5	24	6.35

Single Level - Earth Terminals

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3044092	UT 2.5 - PE	1IN/1OUT	0.14-2.5mm	47.5 x 5.2 x 47.5	-	6.01
XPC3044539	UT 2.5-TWIN - PE	1IN/2OUT	0.14-2.5mm	57.8 x 5.2 x 47.5	-	6.51
XPC3044568	UT 2.5-QUATTRO - PE	2IN/2OUT	0.14-2.5mm	65.4 x 5.2 x 47.5	-	7.62
XPC3044128	UT 4 - PE	1IN/1OUT	0.14-4mm	47.7 x 6.2 x 47.7	-	6.26
XPC3044380	UT 4-TWIN - PE	1IN/2OUT	0.14-4mm	57.8 x 6.2 x 47.5	-	6.85
XPC3044597	UT 4 -QUATTRO - PE	2IN/2OUT	0.14-4mm	65.4 x 6.2 x 47.5	-	7.94
XPC3044157	UT 6 - PE	1IN/1OUT	0.25-6mm	47.7 x 8.2 x 47.5	-	6.29
XPC3044173	UT 10 - PE	1IN/1OUT	0.5-10mm	47.7 x 10.2 x 47.7	76	6.80
XPC3044212	UT 16 - PE	1IN/1OUT	1-16mm	55.5 x 12.2 x 55	101	9.86
XPC3044241	UT 35 - PE	1IN/1OUT	1.5-35mm	60.2 x 16 x 65.7	125	11.41

XPC3044241 does not require an end cover





UT Screw Terminals with Plug-In Bridging

Double Level - Earth Terminals

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3044665	UTTB 2.5 - PE	(1IN/1OUT)*2	0.14-2.5mm	69.9 x 5.2 x 65	-	10.25
XPC3044759	UTTB 4 - PE	(1IN/1OUT)*2	0.14-4mm	69.9 x 6.2 x 65	-	12.42

Triple Level - Earth Terminal

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3214275	UT 2.5-3L PE	(1IN/1OUT)*3	0.14-2.5mm	90 x 5.2 x 77.5	-	13.49

Fuse Terminal

Black, boxes of 50. Dimensions – 57.8 x 6.2 x 73mm. Connections: 1IN/1OUT

Part No.	Phoenix Description	on board illuminated function LED	Cable Size with Ferrule	(A) rating	Price \$
XPC3046032	UT 4 - HESI (5X20)		0.14-4mm	6.3	6.57
XPC3046090	UT 4 - HESILED 24 (5X20)	c/w LED to suit 12-30V AC/DC	0.14-4mm	6.3	15.51
XPC3046126	UT 4 - HESILED 60 (5X20)	c/w LED to suit 12-60V AC/DC	0.14-4mm	6.3	15.51
XPC3046100	UT 4 - HESILED 250 (5X20)	c/w LED to suit 110-250V AC/DC	0.14-4mm	6.3	15.99
XPC3046401	UT 6 - HESI (5X20)		0.25-6mm	10	12.64
XPC3046414	UT 6 - HESILED 24 (5X20)	c/w LED to suit 12-30V AC/DC	0.25-6mm	10	20.60
XPC3046427	UT 6 - HESILED 60 (5X20)	c/w LED to suit 12-60V AC/DC	0.25-6mm	10	20.60
XPC3046430	UT 6 - HESILED 250 (5X20)	c/w LED to suit 110-250V AC/DC	0.25-6mm	10	20.87

Fuse terminals do not require end covers

End Cover

Grey, boxes of 50

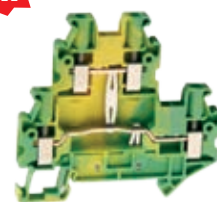
Part No.	Phoenix Description	To Suit	Price \$
XPC3047028	D-UT 2.5/10	UT 2.5/4/6/10, UT 2.5/4/6/10 PE	0.77
XPC3047206	D-UT 16	UT 16	0.96
XPC3047141	D-UT 2.5/4-TWIN	UT 2.5/4 - TWIN, UT 2.5/4 TWIN PE	0.77
XPC3047170	D-UT 2.5/4-QUATTRO	UT 2.5/4 - QUATTRO, UT 2.5/4 QUATTRO PE	0.79
XPC3047293	D-UTTB 2.5/4	UTTB 2.5/4, UTTB 2.5/4 PE	1.11
XPC3214314	D-UT 2.5-3L	UT 2.5-3L, UT 2.5-3L PE	1.19

Partition Plate

Grey, boxes of 50

Part No.	Phoenix Description	To Suit	Price \$
XPC3047167	ATP - UT	UT 2.5/4/6/10, UT 2.5/4/6/10 PE	0.88
XPC3047183	ATP - UT - TWIN	UT 2.5/4 TWIN, UT 2.4/4 TWIN PE	0.68
XPC3047196	ATP - UT - QUATTRO	UT 2.4/4 QUATTRO, UT 2.5/4 QUATTRO PE	1.15
XPC3047316	ATP - UTTB - 2.5/4	UTTB 2.5/4, UTTB 2.4/4 PE	1.26
XPC3003046	TP - UK	UT 2.5-3L, UT 2.5-3L PE	3.03

NEW



XPC3044665



XPC3214275



XPC3046032



XPC3047028



XPC3047293



XPC3214314


NEW


XPC3031212



XPC3031241



XPC3031241



XPC3031270



XPC3036042



XPC3031144



XPC3031238



XPC3031322

ST Spring-Cage Terminals with Plug-In Bridging

The ST... spring-cage connection terminal blocks from the CLIPLINE complete system have been developed for universal spring loaded conductor contacting. The high contact force guarantees a vibration-proof, gas-tight connection with long-term stability. The compact front connection ensures easy operation. The terminal point is opened using a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact. All kinds of copper conductors up to 35 mm² can be clamped without any pretreatment. Spring-cage connection terminal blocks offer a large insertion space, which means that conductors with a nominal cross section can be wired both with and without ferrules.

Single Level - Feed-Through Terminals

Grey, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3031076	ST 1.5	1IN/1OUT	0.14-1.5mm	48.5 x 4.2 x 36.5	17.5	1.18
XPC3031128	ST 1.5 - TWIN	1IN/2OUT	0.14-1.5mm	60.5 x 4.2 x 36.5	17.5	1.56
XPC3213124	ST 1.5 - QUATTRO	2IN/2OUT	0.14-1.5mm	72 x 4.2 x 36.5	17.5	1.65
XPC3031212	ST 2.5	1IN/1OUT	0.14-2.5mm	48.5 x 5.2 x 36.5	31	1.40
XPC3031241	ST 2.5-TWIN	1IN/2OUT	0.14-2.5mm	60.5 x 5.2 x 36.5	28	1.36
XPC3031306	ST 2.5 - QUATTRO	2IN/2OUT	0.14-2.5mm	72 x 5.2 x 36.5	28	1.78
XPC3031364	ST 4	1IN/1OUT	0.14-4mm	48.5 x 5.2 x 36.5	40	1.65
XPC3031393	ST 4 - TWIN	1IN/2OUT	0.14-4mm	71.5 x 6.2 x 36.5	40	1.95
XPC3031445	ST 4 - QUATTRO	2IN/2OUT	0.14-4mm	87 x 6.2 x 36.5	40	2.17
XPC3031487	ST 6	1IN/1OUT	0.25-6mm	69.5 x 8.2 x 43.5	52	2.30
XPC3036466	ST 6 - TWIN	1IN/2OUT	0.25-6mm	90.5 x 8.2 x 43.5	52	3.96
XPC3036110	ST 10	1IN/1OUT	0.25-10mm	71.5 x 10.2 x 50.3	65	3.16
XPC3035288	ST 10 - TWIN	1IN/2OUT	0.25-10mm	97 x 10.2 x 50.3	70	5.93
XPC3036149	ST 16	1IN/1OUT	0.25-16mm	80 x 12.2 x 51.5	90	3.69
XPC3035328	ST 16 - TWIN	1IN/2OUT	0.25-16mm	107.8 x 12.2 x 51.5	90	6.89
XPC3036178	ST 35	1IN/1OUT	2.5-35mm	100 x 16 x 59	125	25.37

XPC3036178 does not require an end cover

Double Level - Feed Through Terminals

Grey, boxes of 50

Part No.	Phoenix Description	No. of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3031157	STTB 1.5	(1IN/1OUT)*2	0.14-1.5mm	67.5 x 4.2 x 47.5	17.5	2.46
XPC3031270	STTB 2.5	(1IN/1OUT)*2	0.14-2.5mm	67.5 x 5.2 x 47.5	26	2.69
XPC3031429	STTB 4	(1IN/1OUT)*2	0.14-4mm	83.5 x 6.2 x 47.5	32	3.00

Triple Level - Feed-Through Terminal

Grey, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3036042	ST 2.5 - 3L	(1IN/1OUT)*3	0.14-2.5mm	99.5 x 5.2 x 58	28	5.52

Single Level - Earth Terminals

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3031513	ST 1.5 - PE	1IN/1OUT	0.14-1.5mm	48.5 x 4.2 x 36.5	-	3.91
XPC3031144	ST 1.5 - TWIN - PE	1IN/2OUT	0.14-1.5mm	60.5 x 4.2 x 36.5	-	5.65
XPC3031209	ST 1.5 - QUATTRO - PE	2IN/2OUT	0.14-1.5mm	72 x 4.2 x 36.5	-	5.97
XPC3031238	ST 2.5 - PE	1IN/1OUT	0.14-2.5mm	48.5 x 5.2 x 36.5	-	3.79
XPC3031267	ST 2.5-TWIN - PE	1IN/2OUT	0.14-2.5mm	60.5 x 5.2 x 36.5	-	5.69
XPC3031322	ST 2.5 - QUATTRO - PE	2IN/2OUT	0.14-2.5mm	72 x 5.2 x 36.5	-	7.05
XPC3031380	ST 4 - PE	1IN/1OUT	0.14-4mm	48.5 x 5.2 x 36.5	-	4.04
XPC3031416	ST 4 - TWIN - PE	1IN/2OUT	0.14-4mm	71.5 x 6.2 x 36.5	-	6.14
XPC3031461	ST 4 - QUATTRO - PE	2IN/2OUT	0.14-4mm	87 x 6.2 x 36.5	-	7.75
XPC3031500	ST 6 - PE	1IN/1OUT	0.25-6mm	69.5 x 8.2 x 43.5	-	5.94
XPC3036482	ST 6 - TWIN - PE	1IN/2OUT	0.25-6mm	90.5 x 8.2 x 43.5	-	9.38
XPC3036136	ST 10 - PE	1IN/1OUT	0.25-10mm	71.5 x 10.2 x 50.3	65	6.96
XPC3035302	ST 10 - TWIN - PE	1IN/2OUT	0.25-10mm	97 x 10.2 x 50.3	70	10.66
XPC3036165	ST 16 - PE	1IN/1OUT	0.25-16mm	80 x 12.2 x 51.5	90	7.86
XPC3035344	ST 16 - TWIN - PE	1IN/2OUT	0.25-16mm	107.8 x 12.2 x 51.5	90	12.72
XPC3036194	ST 35 - PE	1IN/1OUT	2.5-35mm	100 x 16 x 59	125	44.37

XPC3036194 does not require an end cover



ST Spring-Cage Terminals with Plug-In Bridging

Double Level - Earth Terminals

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3036013	STTB 1.5 - PE	(1IN/1OUT)*2	0.14-1.5mm	67.5 x 4.2 x 47.5	-	9.10
XPC3036026	STTB 2.5 - PE	(1IN/1OUT)*2	0.14-2.5mm	67.5 x 5.2 x 47.5	-	8.30
XPC3036039	STTB 4 - PE	(1IN/1OUT)*2	0.14-4mm	83.5 x 6.2 x 47.5	-	10.54

Triple Level - Earth Terminal

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3036071	ST 2.5 - 3PE	(1IN/1OUT)*3	0.14-2.5mm	99.5 x 5.2 x 58	-	11.54

Fuse Terminal

Black, boxes of 50. Cable size with Ferrule 0.14-4mm. Connections: 1IN/1OUT

Part No.	Phoenix Description	on board illuminated function LED	H x W x D mm	(A) rating	Price \$
XPC3036369	ST 4-HESI (5X20)		61.5 x 6.2 x 62.5	6.3	5.42
XPC3036547	ST 4 - HESILED 24 (5X20)	c/w LED to suit 12-30V AC/DC	61.5 x 6.2 x 62.5	6.3	15.41
XPC3036550	ST 4 - HESILED 60 (5X20)	c/w LED to suit 12-60V AC/DC	61.5 x 6.2 x 62.5	6.3	15.41
XPC3036563	ST 4 - HESILA 250 (5X20)	c/w LED to suit 110-250V AC/DC	61.5 x 6.2 x 62.5	6.3	15.84
XPC3036385	ST 4 - HESI (6.3X32)		76.5 x 8.2 x 69	10	8.20
XPC3038765	ST 4 - HESILED 24 (6.3X32)	c/w LED to suit 12-30V AC/DC	76.5 x 8.2 x 69	10	20.02
XPC3038778	ST 4-HESILA 250 (6.3X32)	c/w LED to suit 110-250V AC/DC	76.5 x 8.2 x 69	10	21.21

Fuse terminals do not require end covers

End Cover

Grey, packs of 50

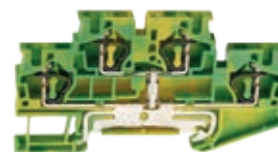
Part No.	Phoenix Description	To Suit	Price \$
XPC3030417	D-ST 2.5	ST 1.5/2.5, ST 1.5/2.5 PE	0.71
XPC3030488	D-ST 2.5-TWIN	ST 1.5/2.5 TWIN, ST 1.5/2.5 TWIN PE	0.71
XPC3030514	D-ST 2.5-QUATTRO	ST 1.5/2.5 QUATTRO, ST 1.5/2.5 QUATTRO PE	0.73
XPC3030459	D-STTB 2.5	STTB 1.5/2.5, STTB 1.5/2.5 PE	0.75
XPC3036660	D-ST 2.5-3L	ST 2.5 - 3L, ST 2.5 - 3PE	1.03
XPC3030420	D-ST 4	ST 4, ST 4 PE	0.71
XPC3030491	D-ST 4-TWIN	ST 4 - TWIN, ST 4 - TWIN PE	0.71
XPC3030527	D-ST 4-QUATTRO	ST 4 - QUATTRO, ST 4 - QUATTRO PE	0.73
XPC3030462	D-STTB 4	STTB 4, STTB 4 PE	0.75
XPC3030433	D-ST 6	ST 6, ST 6 PE	0.73
XPC3036466	D-ST 6-TWIN	ST 6 - TWIN, ST 6 - TWIN PE	3.96
XPC3036644	D-ST 10	ST 10, ST 10 PE	0.79
XPC3035315	D-ST 10-TWIN	ST 10 - TWIN, ST 10 - TWIN PE	1.11
XPC3036657	D-ST 16	ST 16, ST 16 PE	1.01
XPC3035357	D-ST 16-TWIN	ST 16 - TWIN, ST 16 - TWIN PE	1.35

Partition Plate

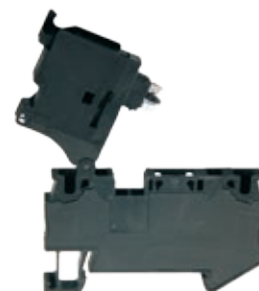
Grey, packs of 50

Part No.	Phoenix Description	To Suit	Price \$
XPC3030721	ATP-ST 4	ST 1.5/2.5/4, ST 1.5/2.5/4 PE	0.88
XPC3024481	ATP - ST 6	ST 6, ST 6 PE	0.99
XPC3030789	ATP -ST-TWIN	ST 1.5/2.5/4 TWIN	0.73
XPC3030815	ATP-ST QUATTRO	ST 1.5/2.5/4 QUATTRO	0.79
XPC3030747	ATP-STTB- 4	STTB 1.5/2.5, STTB 1.5/2.5 PE	0.79

NEW



XPC3036026



XPC3036369



XPC3030417



XPC3030459



XPC3030491



XPC3030462



XPC3030721


NEW


XPC3209510



XPC3209549



XPC3209578



XPC3210567



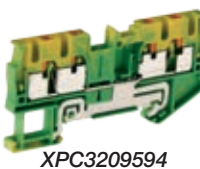
XPC3210499



XPC3209536



XPC3209565



XPC3209594

PT Push-In Terminals with Plug-In Bridging

The PT... push-in connection terminal blocks from the CLIPLINE complete system have been developed for direct conductor connection and offer a wide range of application options. Easy handling and direct, tool-free connection with up to 50 percent lower insertion forces are the key advantages of this terminal technology. When solid conductors from 0.25 mm² or conductors with ferrules from 0.34 mm² are inserted, the contact spring is automatically opened and provides the required pressure force against the current bar. The integrated actuation lever allows you to release conductors or to connect small conductor cross sections from 0.14 mm² with any type of tool - easily and without direct contact with live parts. The PT... connection technology has been tested and approved for a range of approvals. These include, for example, vibration resistance according to railway standard EN 50155 and shock and corrosion resistance according to current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).

Single Level - Feed-Through Terminals

Grey, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3208100	PT 1.5/S	1IN/1OUT	0.14-1mm	45 x 3.5 x 32	17.5	1.32
XPC3208155	PT 1.5/S TWIN	1IN/2OUT	0.14-1mm	54 x 3.5 x 32	17.5	1.62
XPC3208197	PT 1.5/S QUATTRO	2IN/2OUT	0.14-1mm	63.2 x 3.5 x 32	17.5	1.81
XPC3209510	PT 2.5	1IN/1OUT	0.14-2.5mm	48.5 x 5.2 x 36.5	30	1.45
XPC3209549	PT 2.5-TWIN	1IN/2OUT	0.14-2.5mm	60.5 x 5.2 x 36.5	30	1.81
XPC3209578	PT 2.5-QUATTRO	2IN/2OUT	0.14-2.5mm	72.2 x 5.2 x 36.8	30	2.37
XPC3211757	PT 4	1IN/1OUT	0.25-4mm	56 x 6.2 x 36.5	38	1.86
XPC3211771	PT 4-TWIN	1IN/2OUT	0.25-4mm	66.5 x 6.2 x 36.5	38	2.40
XPC3211797	PT 4-QUATTRO	2IN/2OUT	0.25-4mm	77 x 6.2 x 36.5	38	2.98
XPC3211813	PT 6	1IN/1OUT	0.5-6mm	57.7 x 8.2 x 43.5	52	2.63
XPC3211929	PT 6-TWIN	1IN/2OUT	0.5-6mm	74.2 x 8.2 x 43.5	52	4.19
XPC3212934	PT 6-QUATTRO	2IN/2OUT	0.5-6mm	90.5 x 8.2 x 43.5	52	5.30
XPC3212120	PT 10	1IN/1OUT	0.5-10mm	67.7 x 10.2 x 50.5	70	3.79
XPC3208746	PT 10-TWIN	1IN/2OUT	0.5-10mm	88.9 x 10.2 x 50.5	70	6.23
XPC3212138	PT 16 N	1IN/1OUT	0.5-16mm	75.4 x 12.2 x 52.6	90	4.51
XPC3208760	PT 16 -TWIN N	1IN/2OUT	0.5-16MM	100.2 x 12.2 x 52.6	90	7.25

Double Level - Feed Through Terminals

Grey, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3208511	PTTB 1.5/S	(1IN/1OUT)*2	0.14-1mm	54.4 x 3.5 x 42.6	16	2.51
XPC3210567	PTTB 2.5	(1IN/1OUT)*2	0.14-2.5mm	68 x 5.2 x 47.5	24	3.51
XPC3211786	PTTB 4	(1IN/1OUT)*2	0.25-4mm	83.5 x 6.2 x 47.5	32	4.03

Triple Level - Feed-Through Terminal

Grey, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3213713	PT 1.5/S-3L	(1IN/1OUT)*3	0.14-1mm	97.2 x 3.5 x 53.2	15	4.61
XPC3210499	PT 2.5-3L	(1IN/1OUT)*3	0.14-2.5mm	102 x 5.2 x 58	24	5.71

Single Level - Earth Terminals

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3208139	PT 1.5/S PE	1IN/1OUT	0.14-1mm	45 x 3.5 x 32	-	4.57
XPC3208171	PT 1.5/S TWIN PE	1IN/2OUT	0.14-1mm	54 x 3.5 x 32	-	5.79
XPC3208333	PT 1.5/S QUATTRO PE	2IN/2OUT	0.14-1mm	63.2 x 3.5 x 32	-	6.14
XPC3209536	PT 2.5 PE	1IN/1OUT	0.14-2.5mm	48.5 x 5.2 x 36.5	-	4.84
XPC3209565	PT 2.5-TWIN PE	1IN/2OUT	0.14-2.5mm	60.5 x 5.2 x 36.5	-	5.79
XPC3209594	PT 2.5-QUATTRO PE	2IN/2OUT	0.14-2.5mm	72.2 x 5.2 x 36.8	-	7.17
XPC3211766	PT 4 PE	1IN/1OUT	0.25-4mm	56 x 6.2 x 36.5	-	5.22
XPC3211780	PT 4-TWIN PE	1IN/2OUT	0.25-4mm	66.5 x 6.2 x 36.5	-	6.32
XPC3211809	PT 4-QUATTRO PE	2IN/2OUT	0.25-4mm	77 x 6.2 x 36.5	-	7.99
XPC3211822	PT 6 PE	1IN/1OUT	0.5-6mm	57.7 x 8.2 x 43.5	-	6.53
XPC3211498	PT 6-TWIN PE	1IN/2OUT	0.5-6mm	74.2 x 8.2 x 43.5	-	9.69
XPC3212950	PT 6-QUATTRO PE	2IN/2OUT	0.5-6mm	90.5 x 8.2 x 43.5	-	12.22
XPC3212131	PT 10 PE	1IN/1OUT	0.5-10mm	67.7 x 10.2 x 50.5	70	8.10
XPC3208745	PT 10-TWIN PE	1IN/2OUT	0.5-10mm	88.9 x 10.2 x 50.5	70	10.95
XPC3212147	PT 16 N PE	1IN/1OUT	0.5-16mm	75.4 x 12.2 x 52.6	90	9.45
XPC3208786	PT 16 -TWIN N-PE	1IN/2OUT	0.5-16mm	100.2 x 12.2 x 52.6	90	13.50



PT Push-In Terminals with Plug-In Bridging

Double Level - Earth Terminals

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3208537	PTTB 1.5/S-PE	(1IN/1OUT)*2	0.14-1mm	65.4 x 3.5 x 42.6	-	9.10
XPC3210596	PTTB 2.5-PE	(1IN/1OUT)*2	0.14-2.5mm	68 x 5.2 x 47.5	-	9.63
XPC3211854	PTTB 4-PE	(1IN/1OUT)*2	0.25-4mm	83.5 x 6.2 x 47.5	-	12.23

Triple Level - Earth Terminal

Yellow & green, boxes of 50

Part No.	Phoenix Description	No. Of Conn	Cable Size with Ferrule	H x W x D mm	(A) rating	Price \$
XPC3213739	PT 1.5/S-3PE	(1IN/1OUT)*3	0.14-1mm	97.2 x 3.5 x 53.2	-	10.96
XPC3210525	PT 2.5-3PE	(1IN/1OUT)*3	0.14-2.5mm	102 x 5.2 x 58	-	11.72

Fuse Terminal

Black, boxes of 50. Cable size with Ferrule 0.25-4mm. Connections: 1IN/1OUT

Part No.	Phoenix Description	on board illuminated function LED	H x W x D mm	(A) rating	Price \$
XPC3211861	PT 4-HESI (5X20)		56 x 6.2 x 62.5	6.3	6.95
XPC3211903	PT 4-HESILED 24 (5X20)	c/w LED to suit 12-30V AC/DC	56 x 6.2 x 62.5	6.3	15.32
XPC3207908	PT 4-HESILED 60 (5X20)	c/w LED to suit 12-60V AC/DC	56 x 6.2 x 62.5	6.3	15.32
XPC3211907	PT 4-HESILED 250 (5X20)	c/w LED to suit 110-250V AC/DC	56 x 6.2 x 62.5	6.3	15.81

End Cover

Grey, packs of 50

Part No.	Phoenix Description	To Suit	Price \$
XPC3208142	D-PT 1.5/S	PT 1.5/S, PT 1.5/S PE	0.71
XPC3030417	D-ST 2.5	PT 2.5, PT 2.5 PE	0.71
XPC3030420	D-ST 4	PT 4, PT 4 PE, PT 4 HESI SERIES	0.71
XPC3212044	D-PT 6	PT 6, PT 6 PE	0.73
XPC3212057	D-PT 10	PT 10, PT 10 PE	0.79
XPC3212060	D-PT 16N	PT 16 N, PT 16 N PE	0.99
XPC3208184	D-PT 1.5/S TWIN	PT 1.5/S TWIN, PT 1.5/S TWIN PE	0.71
XPC3030488	D-ST 2.5-TWIN	PT 2.5 TWIN, PT 2.5 TWIN PE	0.71
XPC3208977	D-PT 4 TWIN	PT 4 TWIN, PT 4 TWIN PE	0.71
XPC3211508	D-PT 6-TWIN	PT 6 TWIN, PT 6 TWIN PE	0.76
XPC3208748	D-PT 10-TWIN	PT 10 TWIN, PT 10 TWIN PE	1.11
XPC3208799	D-PT 16-TWIN N	PT 16-TWIN N, PT 16-TWIN N-PE	1.27
XPC3208375	D-PT 1.5/S QUATTRO	PT 1.5/S QUATTRO, PT 1.5 QUATTRO PE	0.73
XPC3030514	D-ST 2.5 QUATTRO	PT 2.5 QUATTRO, PT 2.5 QUATTRO PE	0.73
XPC3208979	D-PT 4 QUATTRO	PT 4 QUATTRO, PT 4 QUATTRO PE	0.73
XPC3212963	D-PT 6 QUATTRO	PT 6 QUATTRO, PT 6 QUATTRO PE	0.79
XPC3208579	D-PTTB 1.5/S	PTTB 1.5/S, PTTB 1.5/S PE	0.75
XPC3211634	D-PTTB 2.5	PTTB 2.5, PTTB 2.5 PE	0.75
XPC3030462	D-STTB 4	PTTB4, PTTB 4 PE	0.75
XPC3113771	D-PT 1.5/S-3L	PT 1.5/S-3L, PT 1.5/S-3L PE	0.94
XPC3211647	D-PT 2.5-3L	PT 2.5-3L, PT 2.5-3L PE	1.03

Partition Plate

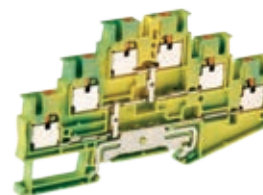
Grey, packs of 50

Part No.	Phoenix Description	To Suit	Price \$
XPC3030721	ATP-ST 4	PT 1.5S/2.5/4, PT 1.5S/2.5/4 PE	0.88
XPC3024481	ATP-ST 6	PT 6, PT 6 PE	0.99
XPC3030789	ATP-ST-TWIN	PT 1.5S/2.5/4-TWIN, PT 1.5S/2.5/4-TWIN PE	0.73
XPC3030815	ATP-ST QUATTRO	PT 1.5S/2.5/4-QUATTRO, PT 1.5S/2.5/4-QUATTRO PE	0.79
XPC3030747	ATP-STTB-4	PTTB 1.5S/2.5/4, PTTB 1.5S/2.5/4 PE	0.79

NEW



XPC3210596



XPC3210525



XPC3211861



XPC3211647



Plug-In Bridges

Common to all UT, ST and PT terminals

Part No.	Phoenix Description	Description	Colour	Price \$
<i>2.5mm Terminals</i>				
XPC3030161	FBS 2-5	2way	Red	0.58
XPC3030174	FBS 3-5	3way	Red	1.07
XPC3030187	FBS 4-5	4way	Red	1.71
XPC3030190	FBS 5-5	5way	Red	2.16
XPC3030213	FBS 10-5	10way	Red	4.90
XPC3030226	FBS 20-5	20way	Red	9.89
XPC3038930	FBS 50-5	50way	Red	24.75
<i>4mm Terminals</i>				
XPC3030336	FBS 2-6	2way	Red	0.59
XPC3030242	FBS 3-6	3way	Red	1.18
XPC3030255	FBS 4-6	4way	Red	1.76
XPC3030349	FBS 5-6	5way	Red	2.33
XPC3030271	FBS 10-6	10way	Red	5.20
XPC3030365	FBS 20-6	20way	Red	10.59
XPC3032224	FBS 50-6	50way	Red	25.48
<i>6mm Terminals</i>				
XPC3030284	FBS 2-8	2way	Red	0.84
XPC3030297	FBS 3-8	3way	Red	1.61
XPC3030307	FBS 4-8	4way	Red	2.44
XPC3030310	FBS 5-8	5way	Red	3.21
XPC3030323	FBS 10-8	10way	Red	6.55
<i>10mm Terminals</i>				
XPC3005947	FBS 2-10	2way	Red	1.69
XPC3005948	FBS 5-10	5way	Red	13.04
<i>16mm Terminals</i>				
XPC3005950	FBS 2-12	2way	Red	1.95
<i>35mm Terminals</i>				
XPC3005963	FBS 2-16	2way	Red	2.25

Please enquire for plug in bridges in Grey and Blue

Markers for a Terminal Block width of 3.5mm

Common to all UT, ST and PT terminals. Packs of 10

Part No.	Description	Print	Price \$
<i>Printed Horizontally</i>			
XPC0801404:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.06
XPC0801404:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.06
XPC0801404:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.06
XPC0801404:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.06
XPC0801404:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.06
XPC0801404:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.06
XPC0801404:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.06
XPC0801404:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.06
XPC0801404:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.06
XPC0801404:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.06
<i>Printed Vertically</i>			
XPC0801405:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.06
XPC0801405:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.06
XPC0801405:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.06
XPC0801405:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.06
XPC0801405:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.06
XPC0801405:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.06
XPC0801405:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.06
XPC0801405:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.06
XPC0801405:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.06
XPC0801405:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.06



BRIDGING BAR 10 WAY



TERMINAL MARKERS

Markers for a Terminal Block width of 4.2mm

Common to all UT, ST and PT terminals. Packs of 10



Part No.	Description	Print	Price \$
<i>Printed Horizontally</i>			
XPC0805739:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC0805739:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC0805739:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC0805739:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC0805739:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC0805739:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC0805739:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC0805739:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC0805739:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC0805739:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56
<i>Printed Vertically</i>			
XPC0805807:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC0805807:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC0805807:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC0805807:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC0805807:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC0805807:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC0805807:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC0805807:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC0805807:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC0805807:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56

Markers for a Terminal Block width of 5.2mm

Common to all UT, ST and PT terminals. Packs of 10

Part No.	Description	Print	Price \$
<i>Printed Horizontally</i>			
XPC1050017:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1050017:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1050017:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1050017:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1050017:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1050017:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1050017:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1050017:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1050017:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1050017:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56
<i>Printed Vertically</i>			
XPC1050020:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1050020:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1050020:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1050020:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1050020:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1050020:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1050020:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1050020:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1050020:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1050020:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56



Markers for a Terminal Block width of 6.2mm

Common to all UT, ST and PT terminals. Packs of 10

Part No.	Description	Print	Price \$
<i>Printed Horizontally</i>			
XPC1051016:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1051016:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1051016:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1051016:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1051016:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1051016:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1051016:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1051016:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1051016:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1051016:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56
<i>Printed Vertically</i>			
XPC1051029:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1051029:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1051029:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1051029:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1051029:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1051029:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1051029:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1051029:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1051029:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1051029:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56

Markers for a Terminal Block width of 8.2mm

Common to all UT, ST and PT terminals. Packs of 10

Part No.	Description	Print	Price \$
<i>Printed Horizontally</i>			
XPC1052015:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1052015:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1052015:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1052015:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1052015:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1052015:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1052015:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1052015:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1052015:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1052015:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56
<i>Printed Vertically</i>			
XPC1052028:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1052028:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1052028:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1052028:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1052028:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1052028:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1052028:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1052028:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1052028:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1052028:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56

Markers for a Terminal Block width of 10.2mm

Common to all UT, ST and PT terminals. Packs of 10

Part No.	Description	Print	Price \$
<i>Printed Horizontally</i>			
XPC1053014:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1053014:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1053014:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1053014:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1053014:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1053014:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1053014:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1053014:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1053014:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1053014:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56

Markers for a Terminal Block width of 10.2mm (cont.)

Common to all UT, ST and PT terminals. Packs of 10

Part No.	Description	Print	Price \$
<i>Printed Vertically</i>			
XPC1053027-0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1053027-0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1053027-0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1053027-0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1053027-0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1053027-0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1053027-0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1053027-0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1053027-0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1053027-0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56

Custom marking options available, please enquire.

Ethernet switches

Standard switches with basic functions

FL SWITCH SFNB... unmanaged switches are optimized for basic and entry level applications where low installed costs with full industrialization are required.

- 5 to 8 ports in a narrow, metal housing
- Optional SC and ST fiber optic ports
- For longer distances, multi-mode and single-mode fiber connections are available
- RJ45 ports provide 10/100 Mbps speeds; fiber optic ports operate at 100 Mbps
- Auto Negotiation and autocross recognition provide easy installation and setup
- LED indicators provide local diagnostics
- Cable locking security options

FL SWITCH SFN... unmanaged switches have a wide range of configurations and features for general purpose applications.

- 5 to 8 ports in a narrow, metal housing
- Optional SC and ST fiber optic ports
- Quality of Service (QoS) prioritized messages
- RJ45 ports provide 10/100 Mbps speeds; fiber optic ports operate at 100 Mbps
- Auto Negotiation and autocross recognition provide easy installation and setup
- LED indicators provide local diagnostics
- Switch-mounted cable locking and port blocking options

Managed Switches

FL SWITCH 3000 managed switches provide scalable power for application flexibility & ease of use.

- Standard (-10 °C ... 60 °C) and wide temperature (-40 °C ... 75 °C) devices available
- Extended Ring Redundancy provides a 15 ms recovery time
- Extensive IEEE and security functions

Part no.	Phoenix Description	Description	Price \$
<i>Unmanaged Switches</i>			
XPC2891001	FL SWITCH SFNB 5TX	Ethernet switch, 5 TP RJ45 ports, automatic detection of data	213.52
XPC2891002	FL SWITCH SFNB 8TX	Ethernet switch, 8 TP RJ45 ports, automatic detection of data	338.76
XPC2891027	FL SWITCH SFNB 4TX/FX	Ethernet switch, 4 TP RJ45 ports, 1 FO port, 100 Mbps full duplex	455.51
XPC2891028	FL SWITCH SFNB 4TX/FX ST	Ethernet switch, 4 TP RJ45 ports, 1 FO port, 100 Mbps full duplex	455.51
XPC2891029	FL SWITCH SFNB 4TX/FX SM20	Ethernet switch, 4 TP RJ45 ports, 1 FO port, 100 Mbps full duplex	597.84
XPC2891933	FL SWITCH SFN 16TX	Ethernet switch, 16 TP RJ45 ports, automatic detection of data	802.81
XPC2891934	FL SWITCH SFN 15TX/FX	Ethernet switch, 15 TP RJ45 ports, 1 FO port, automatic detection of data	1278.23
XPC2891935	FL SWITCH SFN 14TX/2FX	Ethernet switch, 14 TP RJ45 ports, 2 FO ports, automatic detection of data	1739.45
<i>Managed Switches</i>			
XPC2891030	FL SWITCH 3005	Ethernet switch, 5 RJ45 ports	910.98
XPC2891031	FL SWITCH 3008	Ethernet switch, 8 RJ45 ports	1,110.29
XPC2891058	FL SWITCH 3016	Ethernet switch, 16 RJ45 ports	1,884.66
XPC2891033	FL SWITCH 3004T-FX	Ethernet switch, 4 RJ45 ports, 1 FO port (multi mode)	1,451.88
XPC2891036	FL SWITCH 3006T-2FX	Ethernet switch, 6 RJ45 ports, 2 FO port (multi mode)	1,537.31
XPC2891060	FL SWITCH 3006T-2FX SM	Ethernet switch, 6 RJ45 ports, 2 FO port (single mode)	1,714.23

Please enquire for Ethernet switches that may not be listed above to suit your application



XPC2891002

Mini Signal Converters - MCR Range

NEW

Highly compact signal conditioners - MINI Analog

Extremely compact and efficient

The signal conditioners from the MINI Analog range offer the full spectrum of analog signal conditioning. They are therefore extremely efficient with regard to saving costs, space, and energy.

Choose the right MINI Analog signal conditioner for your application:

- Analog IN/OUT
- Temperature
- Frequency
- Potentiometer/resistor
- Digital IN
- Threshold values
- Accessories



XPC2810308

Temperature Thermocouples - PT100

93mm x 6mm x 102mm

Part no.	Phoenix Description	Description	Input	Output	Price \$
XPC2810308	MINI MCR-SL-PT100-LP-NC	Configurable loop-powered temperature Converter, Pt 100 - 150°C300°C	PT 100, 2-3-4 Wire	4-20mA, 20-4mA	277.11
XPC2864299	MINI MCR-SL-TC-UI-NC	Configurable 24VDC Temperature converter for Thermocouples, 4 Wire, -150°C - 300°C	J Type, K Types	4-20mA, 0-20mA, 20-4mA, 20-0mA, 0-5V, 1-5V, 0-10V, 10-0V	319.80
XPC2864273	MINI MCR-SL-PT100-UI-NC - MCR	Configurable 24VDC 4 wire Temperature converter for Pt100 (- 150°C to 300°C)	PT 100 2/3/4 Wire	4-20mA, 0-5V, 0-20mA, 1-5V, 20-4mA, 0-10V, 20-0mA, 10-0V	298.54

Analogue, Voltage , Current

93mm x 6mm x 102mm

Part no.	Phoenix Description	Description	Input	Output	Price \$
XPC2864150	MINI MCR-SL-UI-UI-NC - MCR	Isolating amplifier for electrical isolation of analog signals, input/output configurable via DIP switch, 4 Wire 24VDC Supply	0-5V, 1-5V, 0-10V, 0-20mA, 4-20mA	0-5V, 1-5V, 0-10V, 0-20mA, 4-20mA	405.76
XPC2864422	MINI MCR-SL-RPS-I-I - MCR	Analogue Signal Repeater 24VDC Supply 4 wire	0-20mA, 4-20mA	0-20mA, 4-20mA	298.54
XPC2864419	MINI MCR-SL-1CP-I-I	MCR loop-powered isolator, 1-channel, for the electrical isolation of current signals 2 Wire	0-20mA, 4-20mA	0-20mA, 4-20mA	298.54
XPC2864176	MINI MCR-SL-UI-21-N/C	Configurable Input and output Signal Duplicator - One In - Two signals Out 24VDC Supply	0-20mA, 4-20mA, 0-10V, 1-5V	0-20mA, 4-20mA	448.86



XPC2864150

Phoenix Contact MACX Intrinsically Safe Isolating Barriers

Highly compact – leading technology

MACX Analog Ex – single and two channel signal conditioners for intrinsically safe circuits in the Ex area. The MACX Analog Ex signal conditioners ensure maximum system safety and explosion protection within a minimum amount of space. With an overall width of just 12.5mm, this comprehensive range for analog signal conditioning is approved according to ATEX and IECEx and consistently SIL certified. All MACX Analog Ex signal conditioners are approved in accordance with the applicable ATEX/IECEx standards:

- [Ex ia] – for intrinsically safe circuits up to Ex zone 0 and Ex zone 20
- Ex n – for installing devices in Ex zone 2
- In addition, relevant national approvals such as UL and GOST are available

Choose the right MACX Analog Ex signal conditioner for your application:

Analog IN Measuring transducer repeater power supply and input signal conditioner for the intrinsically safe operation of 2-wire transmitters, 4-wire measuring transducers, and current sources.

Analog OUT Output signal conditioners for the intrinsically safe operation of control valves, I/P converters, and displays.

Temperature Configurable temperature transducers for the intrinsically safe operation of resistance thermometers, remote resistance-type sensors, thermocouples, and mV sources – with safe limit value relays as an option.

Digital - NAMUR Sensor Isolation Barriers

24VDC, 12.5mm x 99mm x 114.5mm

Part no.	Phoenix Description	Description	Hazardous Area Signal	No. of Ch. in Safe Area & Signal Type	Price \$
XPC2865450	MACX MCR-EX-SL-2NAM-RO	Ex-i NAMUR isolating amplifier, 2-channel. For operating proximity sensors and switches in Ex areas. The signals are transmitted via relay output (N/O contact) per channel to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Single 8VDC Namur Prox or Contact Input Single 8VDC	Single 2 N/O Relay Output	224.88
XPC2865463	MACX MCR-EX-SL-2NAM-T	Ex-i NAMUR isolating amplifier, 2-channel. For operating proximity sensors and switches in Ex areas. The signals are transmitted via transistor output (passive) per channel to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Namur Prox or Contact Input Dual 2 x 8VDC	Single 2 N/O Transistor Output	237.24
XPC2865476	MACX MCR-EX-SL-NAM-2RO	Ex-i NAMUR isolating amplifier For operating proximity sensors and switches in Ex areas. The signals are transmitted via 2 relay outputs (N/O contact) to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Namur Prox or 2 x Contact Input	Dual 2 N/O Relay Independent Control Output	257.91
XPC2865489	MACX MCR-EX-SL-NAM-2T	Ex-i NAMUR isolating amplifier For operating proximity sensors and switches in Ex areas. The signals are transmitted via 2 transistor outputs (passive) to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Dual 2 x 8VDC Namur Prox or 2 x Contact in	Dual 2 N/O Transistor Independent Control Output	278.63

Solenoid Driver Isolation Barriers

24VDC, 12.5mm x 99mm x 114.5mm

Part no.	Phoenix Description	Description	Hazardous Area Signal	No. of Ch. in Safe Area & Signal Type	Price \$
XPC2865609	MACX MCR-EX-SL-SD-24-48-LP	Ex-i solenoid driver. For controlling Ex-i solenoid valves, alarm modules or LEDs installed in Ex areas. Current limitation at 48 mA. For gases up to Group II C, loop-powered, electrical isolation, SIL 3. 48mA output @ 10.5V	10.5VDC @ 25ma Output	Single 20-30 VDC Input	237.24
XPC2865515	MACX MCR-EX-SL-SD-21-60-LP	Ex-i solenoid driver For controlling Ex-i solenoid valves, alarm modules or LEDs installed in Ex areas. Current limitation at 58 mA. For gases up to Group II B, loop-powered, electrical isolation, SIL 3.	12.95VDC @ 58ma Output	Single 20-30 VDC Input	237.24


NEW

Phoenix Contact MACX Intrinsically Safe Isolating Barriers

Analog Isolation Barriers

24VDC, 12.5mm x 99mm x 114.5mm



XPC2865366

Part no.	Phoenix Description	Description	Hazardous Area Signal	No. of Ch. in Safe Area & Signal Type	Price \$
XPC2865340	MACX MCR-EX-SL-IDSI-I	Ex-i output isolating amplifier, HART Isolates and sends intrinsically safe 0/4-20 mA signals to a load (I/P converters, control valves, displays) in Ex areas. Electrical 3-way isolation, wire break recognition, SIL 2 in accordance with IEC 61508.	Single Analog Input	Single 0-20ma 4-20ma Output	381.68
XPC2865366	MACX MCR-EX-SL-RPSSI-I	Ex-i repeater power supply and input isolation 0/4-20 mA signals (2), from the Ex area to a load (active amplifier, HART. Sends fed or active or passive) to the safe area. Electrical 3-way isolation, SIL 2 in accordance with IEC 61508.	0-20ma 4-20ma Single Analog Input 0-20ma 4-20ma	Dual 0-20ma 4-20ma Output	555.32
XPC2865405	MACX MCR-EX-SL-RPSSI-2I	Measuring transducer power supply and input isolating amplifier, HART transparent. Transfers supplied or active 0/4-20 mA signals from the Ex area galv. isolated to two loads in the safe area. Galvanic 4-way isolation, SIL 2 according to IEC 61508, screw connection	Single Analog Output 0-20ma 4-20ma	Single 0-20ma 4-20ma Input	410.71

Temperature Isolation Barriers

24VDC, 12.5mm x 99mm x 114.5mm



XPC2865654

Part no.	Phoenix Description	Description	Hazardous Area Signal	No. of Ch. in Safe Area & Signal Type	Price \$
XPC2865654	MACX MCR-EX-T-UI-UP	Freely programmable Ex-i temperature transducer with analog output and 1 limit value relay, standard configuration, resistance thermometer in 2-, 3-, or 4-wire technology, thermocouples, galvanic isolation, wide-range power supply, screw connection, SIL 2	Single Input T.Couple RTD	Single 4-20ma and I N/O Relay Output	664.44
XPC2865573	MACX MCR-EX-SL-RTD-I-NC	Ex-i temperature measuring transducer: Converts signals from resistance thermometers installed in Ex areas and transmits a 0/4-20 mA signal to a load in the safe area. Freely programmable, 3-way isolation, SIL2	M.Volt Single Input RTD	Single 0-20ma 4-20ma Output	451.69
XPC2865586	MACX MCR-EX-SL-TC-I-NC	Ex-i temperature measuring transducer: Converts signals from thermocouples installed in Ex areas and mV sources and transmits a 0/4-20 mA signal to a load in a safe area. Freely programmable, 3-way isolation, SIL2	Single Input T.Couple M.Volt 20-80MV	Single 0-20ma 4-20ma Output	451.69

TBUS Module and DIN Base

24VDC

Part no.	Phoenix Description	Description	Price \$
XPC2865625	MACX MCR-PTB	Power to T-Bus and error message module	158.85
XPC2869728	ME 6,2 TBUS-2 1,5/5-ST-3,81 GN	DIN rail connector (TBUS), 5-pos., for bridging the supply voltage, can be snapped onto NS 35/... DIN rails according to EN 60715	15.06



Power Supplies

QUINT Power Supplies

The unique SFB technology and preventive function monitoring maximize the availability of your application.

- Quick tripping of standard circuit breakers with SFB technology
- Preventive function monitoring
- Reliable starting of difficult loads with POWER BOOST

Part no.	Phoenix Description	Description	Price \$
<i>Single Phase</i>			
XPC2866747	QUINT-PS/ 1AC/24DC/3.5	240VAC-IN/24VDC-OUT/3.5A	254.36
XPC2866750	QUINT-PS/ 1AC/24DC/5	240VAC-IN/24VDC-OUT/5A	359.38
XPC2866763	QUINT-PS/ 1AC/24DC/10	240VAC-IN/24VDC-OUT/10A	469.94
XPC2866776	QUINT-PS/ 1AC/24DC/20	240VAC-IN/24VDC-OUT/20A	616.44
XPC2866789	QUINT-PS/ 1AC/24DC/20	240VAC-IN/24VDC-OUT/40A	962.03
XPC2866718	QUINT-PS/ 1AC/12DC/15	240VAC-IN/12VDC-OUT/10A	581.34
XPC2866721	QUINT-PS/ 1AC/12DC/20	240VAC-IN/12VDC-OUT/20A	774.04
XPC2866679	QUINT-PS/ 1AC/48DC/ 5	240VAC-IN/48VDC-OUT/5A	576.58
XPC2866682	QUINT-PS/ 1AC/48DC/10	240VAC-IN/48VDC-OUT/10A	764.97
XPC2866695	QUINT-PS/ 1AC/48DC/20	240VAC-IN/48VDC-OUT/20A	1,295.07
<i>Three Phase</i>			
XPC2866734	QUINT-PS/ 3AC/24DC/ 5	415VAC-IN/24VDC-OUT/5A	359.38
XPC2866705	QUINT-PS/ 3AC/24DC/10	415VAC-IN/24VDC-OUT/10A	469.94
XPC2866792	QUINT-PS/ 3AC/24DC/20	415VAC-IN/24VDC-OUT/20A	541.84
XPC2866802	QUINT-PS/ 3AC/24DC/40	415VAC-IN/24VDC-OUT/40A	848.68
XPC2320827	QUINT-PS/ 3AC/48DC/20	415VAC-IN/48VDC-OUT/20A	1,178.97

TRIO Power Supplies

Basic functionality combined with high quality and reliability - this makes the power supply units ideal for use in standard machine production.

- Robust design
- Minimize installation costs
- High operational reliability

Part no.	Phoenix Description	Description	Price \$
<i>Single Phase</i>			
XPC2903147	TRIO-PS-2G/1AC/24DC/3/C2LPS	240VAC-IN/24VDC-OUT/3A	99.90
XPC2903148	TRIO-PS-2G/1AC/24DC/5	240VAC-IN/24VDC-OUT/5A	138.00
XPC2903149	TRIO-PS-2G/1AC/24DC/10	240VAC-IN/24VDC-OUT/10A	242.50
XPC2903151	TRIO-PS-2G/1AC/24DC/20	240VAC-IN/24VDC-OUT/20A	383.56
XPC2866530	TRIO-PS/600DC/24DC/20	600VDC-IN/24VDC-OUT/20A	484.89
XPC2866475	TRIO-PS/1AC/12DC/5	240VAC-IN/12VDC-OUT/5A	182.54
XPC2866488	TRIO-PS/1AC/12DC/10	240VAC-IN/12VDC-OUT/10A	237.85
XPC2866491	TRIO-PS/1AC/48DC/5	240VAC-IN/48VDC-OUT/5A	324.03
XPC2866501	TRIO-PS/1AC/48DC/10	240VAC-IN/48VDC-OUT/10A	497.81
<i>Three Phase</i>			
XPC2903153	TRIO-PS-2G/3AC/24DC/5	415VAC-IN/24VDC-OUT/5A	210.00
XPC2903154	TRIO-PS-2G/3AC/24DC/10	415VAC-IN/24VDC-OUT/10A	302.30
XPC2903155	TRIO-PS-2G/3AC/24DC/20	415VAC-IN/24VDC-OUT/20A	402.00

UNO Power Supplies

The UNO POWER power supply units offer extremely compact basic functionality.

- Save energy thanks to high efficiency and low idling losses
- Wide-range input
- Wide temperature range

Part no.	Phoenix Description	Description	Price \$
XPC2902991	UNO-PS/1AC/24DC/30W	240VAC-IN/24VDC-OUT/1.25A	68.93
XPC2902992	UNO-PS/1AC/24DC/60W	240VAC-IN/24VDC-OUT/2.5A	86.11
XPC2902993	UNO-PS/1AC/24DC/100W	240VAC-IN/24VDC-OUT/4.2A	136.98
XPC2904376	UNO-PS/1AC/24DC/150W	240VAC-IN/24VDC-OUT/6.25A	129.68
XPC2904372	UNO-PS/1AC/24DC/240W	240VAC-IN/24VDC-OUT/10A	175.65
XPC2904374	UNO-PS/1AC/5DC/25W	240VAC-IN/5VDC-OUT/5A	75.54
XPC2902995	UNO-PS/1AC/48DC/ 60W	240VAC-IN/24VDC-OUT/1.25A	83.07
XPC2902996	UNO-PS/1AC/48DC/100W	240VAC-IN/24VDC-OUT/2.1A	128.14



XPC2866750



XPC2866763



XPC2866705



XPC2903148



XPC2903149



XPC2903151



XPC2902991



XPC2902993



XPC2902992



DC to DC Converter

QUINT Power Supplies

- Support conversion to various voltage levels
- Constant voltage: output voltage regulated even at the end of long cables
- Electrical isolation: for setting up independent supply systems
- SFB technology: fast tripping of standard circuit breakers, thanks to the dynamic power reserve with up to 6 times the nominal current for 12 ms
- Reliable starting of heavy loads thanks to the static POWER BOOST power reserve with permanently up to 125% of the nominal current
- Preventive function monitoring warns against critical operating states before errors occur

Part no.	Phoenix Description	Description	Price \$
XPC2320034	QUINT-PS/24DC/24DC/ 5	24VDC-IN/24VDC-OUT/5A	364.42
XPC2320092	QUINT-PS/24DC/24DC/10	24VDC-IN/24VDC-OUT/10A	559.86
XPC2320102	QUINT-PS/ 24DC/ 24DC/20	24VDC-IN/24VDC-OUT/20A	768.65
XPC2320115	QUINT-PS/24DC/12DC/ 8	24VDC-IN/12VDC-OUT/8A	415.65
XPC2320128	QUINT-PS/24DC/48DC/5	24VDC-IN/48VDC-OUT/5A	643.41
XPC2320131	QUINT-PS/12DC/24DC/5	12VDC-IN/24VDC-OUT/5A	415.65
XPC2320144	QUINT-PS/48DC/24DC/5	48VDC-IN/24VDC-OUT/5A	415.65

Redundancy Modules

QUINT oring

- Preventive function monitoring: permanent monitoring of the input voltage, output current, and decoupling section
- Continuous redundancy right through to the load: the use of two Plus output terminal blocks makes it possible to devise a redundant wiring concept that runs right through to the load
- Double the service life of the redundant solution thanks to even load distribution: the ACB (Auto Current Balancing) technology automatically and symmetrically distributes the load current to two power supply units operating in parallel
- Save energy: decoupling is achieved with MOSFETs and results in energy savings of up to 70% compared with conventional diodes
- OVP (Over Voltage Protection): surge voltages are limited to 30 V

Part no.	Phoenix Description	Description	Price \$
XPC2320173	QUINT-ORING/24DC/2X10/1X20	Active redundancy module 2*10A/1*20A Rated	292.11
XPC2320186	QUINT-ORING/24DC/2X20/1X40	Active redundancy module 2*20A/1*40A Rated	344.28
XPC2902879	QUINT-ORING/24DC/2X40/1X80	Active redundancy module 2*40A/1*80A Rated	660.02



XPC2320186

QUINT Diode

- Rugged design for currents of up to 60 A
- Continuous redundancy right through to the load: the use of two Plus output terminal blocks makes it possible to devise a redundant wiring concept that runs right through to the load
- Complies with standard EN 60079-15 and may be installed in a potentially explosive area

Part no.	Phoenix Description	Description	Price \$
XPC2320157	QUINT-DIODE/12-24DC/2X20/1X40	Active redundancy module 2*10A/1*20A Rated	225.87

TRIO Diode

- Permanent redundancy monitoring: checking of output voltages of parallel connected power supplies and of wiring running to the redundancy module
- Continuous redundancy right through to the load: the use of two Plus output terminal blocks makes it possible to devise a redundant wiring concept that runs right through to the load

Part no.	Phoenix Description	Description	Price \$
XPC2866514	TRIO-DIODE/12-24DC/2X10/1X20	Active redundancy module 2*10A/1*20A Rated	90.06



XPC2320296

Batteries

Part no.	Phoenix Description	Description	Price \$
XPC2320296	UPS-BAT/VRLA/ 24DC/ 1.3AH	Rechargeable battery module, 1.3AH	237.24
XPC2320306	UPS-BAT/VRLA/ 24DC/ 3.4AH	Rechargeable battery module, 3.4AH	257.15
XPC2320319	UPS-BAT/VRLA/ 24DC/ 7.2AH	Rechargeable battery module, 7.2AH	316.95
XPC2320322	UPS-BAT/VRLA/ 24DC/12AH	Rechargeable battery module, 12AH	420.78
XPC2320335	UPS-BAT/VRLA/ 24DC/38AH	Rechargeable battery module, 38AH	1,110.30

XPC2320335 requires a battery mounting kit to fix



DC UPS Systems QUINT Power Buffer Modules

The intelligent UPS system ensures maximum system availability. Uninterruptible power supply (UPS) units continue to deliver power even if the supply network goes down. An uninterruptible solution consists of the three function units shown:

- Power supply
- UPS module
- Power storage

IQ technology is the key to an intelligent power supply solution. The uninterruptible power supply unit monitors and optimizes the power storage. Avoid interruptions when working with the intelligent UPS for non-stop power.

- **SOC (state of charge)** keeps you informed of the charging state and remaining runtime of your battery at all times
- **SOH (state of health)** reports remaining life expectancy of the power storage device, warns of failure at an early stage
- **SOF (state of function)** determines the current performance capability of the power storage device

Part no.	Phoenix Description	Description	Price \$
XPC2320212	QUINT-UPS/ 24DC/ 24DC/ 5	Uninterruptible power supply with IQ technology 24 V/5 A	408.06
XPC2320225	QUINT-UPS/ 24DC/ 24DC/10	Uninterruptible power supply with IQ technology 24 V/10 A	446.03
XPC2320238	QUINT-UPS/ 24DC/ 24DC/20	Uninterruptible power supply with IQ technology 24 V/20 A	499.15
XPC2320241	QUINT-UPS/ 24DC/ 24DC/40	Uninterruptible power supply with IQ technology 24 V/40 A	910.98



XPC2320212

Accessories for UPS Systems

Part no.	Phoenix Description	Description	Price \$
XPC2320788	Battery Mounting Kit	UPS-BAT/VRLA/ 24DC/38AH	134.78

Hybrid Motor Starters

Hybrid motor starters for controlling 3-phase asynchronous motors combine up to four functions in one device as required. These include forward running, reverse running with optional reversing function including load wiring. The locking circuit for the reversing function is also integrated and certified as a single electronic reversing starter according to UL 508a and the new UL 60947-1. Furthermore, the devices protect the motor by means of an integrated motor protection relay with automatic and remote reset function. The implemented safety function according to performance level e (PL e) of EN ISO 13849-1 provides the emergency stop requirement.

A PDT confirmation contact provides information regarding the availability of the device, and the motor state. This means that in the event of motor control without an error message the integrated current measurement and symmetry scanning ensures that the motor is turning. Even with these numerous functions, the hybrid motor starter is just 22.5mm wide.

Other variations of contactor arrangements are available, please enquire.

Part no.	Phoenix Description	Description	Price \$
XPC2900582	ELR H5-IES-SC-24DC/500AC-0,6	4 in 1 hybrid motor starter for reversing 3~ AC motors up to 0.6A, 24VDC	247.94
XPC2900692	ELR H5-IES-SC-230AC/500AC-0,6	4 in 1 hybrid motor starter for reversing 3~ AC motors up to 0.6A, 230VDC	247.94
XPC2900414	ELR H5-IES-SC-24DC/500AC-2	4 in 1 hybrid motor starter for reversing 3~ AC motors up to 2A, 24VDC	247.94
XPC2900420	ELR H5-IES-SC-230AC/500AC-2	4 in 1 hybrid motor starter for reversing 3~ AC motors up to 2A, 230VDC	247.94
XPC2900421	ELR H5-IES-SC-24DC/500AC-9	4 in 1 hybrid motor starter for reversing 3~ AC motors up to 9A, 24VDC	247.94
XPC2900422	ELR H5-IES-SC-230AC/500AC-9	4 in 1 hybrid motor starter for reversing 3~ AC motors up to 9A, 230VDC	247.94
XPC2900573	ELR H5-I-SC-24DC/500AC-0,6	3 in 1 hybrid motor starter for reversing 3~ AC motors up to 0.6A *no emergency stop, 24VDC	218.18
XPC2900691	ELR H5-I-SC-230AC/500AC-0,6	3 in 1 hybrid motor starter for reversing 3~ AC motors up to 0.6A *no emergency stop, 230VDC	218.18
XPC2900574	ELR H5-I-SC-24DC/500AC-2	3 in 1 hybrid motor starter for reversing 3~ AC motors up to 2A *no emergency stop, 24VDC	218.18
XPC2900575	ELR H5-I-SC-230AC/500AC-2	3 in 1 hybrid motor starter for reversing 3~ AC motors up to 2A *no emergency stop, 230VDC	218.18
XPC2900576	ELR H5-I-SC-24DC/500AC-9	3 in 1 hybrid motor starter for reversing 3~ AC motors up to 9A *no emergency stop, 24VDC	218.18
XPC2900578	ELR H5-I-SC-230VAC/500AC-9	3 in 1 hybrid motor starter for reversing 3~ AC motors up to 9A *no emergency stop, 230VDC	218.18



HYBRID MOTOR STARTER


**RIF-0**

The narrow 6.2 mm RIF-0 base series is designed for miniature relays with one contact. Switching currents up to 6 A are implemented here. Two base versions are available: 1 N/O contact and 1 PDT contact. RIF-0 is therefore a good choice for all coupling applications.

**RIF-1**

The narrow 16 mm RIF-1 base series is designed for miniature relays with 2 contacts. Currents up to 13 A can be switched when using the FBS 2-8 plug-in bridge. This is the ideal relay for applications that require coupling, power switching, and signal duplication.

**RIF-2**

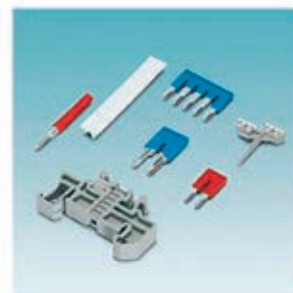
The 31 mm wide RIF-2 base series is designed for industrial relays with up to 4 contacts. Currents up to 12 A are no problem for these bases. This relay is ideal for applications that require power and signal multiplication.

**RIF-3**

The 40 mm wide RIF-3 base series is designed for octal relays with up to 3 contacts. Switching currents up to 10 A can be implemented here. Two base versions are available: 2 PDT contacts and 3 PDT contacts. RIF-3 bases are ideal for all applications that require power and signal multiplication.

**RIF-4**

The 43 mm wide RIF-4 base series is designed for power relays with up to 3 contacts. Currents up to 16 A can be switched. RIF-4 bases are a good choice for applications that require power and signal multiplication, e.g. in miniature contactor applications.

**Accessories**

A wide range of accessories are available for the RIFLINE complete relay system that round off the range. These include bridges, professional marking material, special function modules, test plugs, and end brackets.

Ultra-Slim Relays - Relay+Base Combination

Fully mounted, RIF-0 relay modules consist of- relay base, 1 N/O contact or 1 PDT relay and relay ejector lever on the relay base housing

Features -

Status LED integrated in the relay base

Operational reliability thanks to the relay being sealed

Safe isolation between coil and contact side

Refer page 195 for plug in bridges.



XPC2903370

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2903371	RIF-0-RPT-12DC/21	12VDC	1	SPDT	6	16.18
XPC2903370	RIF-0-RPT-24DC/21	24VDC	1	SPDT	6	14.92

Slimline - Relay+Base Combination

Fully mounted, RIF-1 relay modules consist of- relay base, 1 or 2 PDT relays, relay retaining bracket, Input module / Interface suppressor module.

Features -

Logical contact arrangement thanks to 1/3- relay base

Operational reliability thanks to the relay being sealed

Safe isolation between coil and contact side

Professional bridging of adjacent relays save wiring time

Refer page 195 for plug in bridges.



XPC2903334

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2903342	RIF-1-RPT-LDP-24DC/1X21	24VDC	1	SPDT	10	11.90
XPC2903341	RIF-1-RPT-LV-24AC/1X21	24VAC	1	SPDT	10	14.28
XPC2903340	RIF-1-RPT-LV-120AC/1X21	120VAC	1	SPDT	10	15.20
XPC2903339	RIF-1-RPT-LV-230AC/1X21	230VAC	1	SPDT	10	16.70
XPC2903334	RIF-1-RPT-LDP-24DC/2X21	24VDC	2	DPDT	8	13.40
XPC2903333	RIF-1-RPT-LV-24AC/2X21	24VAC	2	DPDT	8	14.52
XPC2903332	RIF-1-RPT-LV-120AC/2X21	120VAC	2	DPDT	8	15.49
XPC2903331	RIF-1-RPT-LV-230AC/2X21	230VAC	2	DPDT	8	17.01



Standard Relays with Square Slim Pins - Relay and Base Combination

Fully mounted, RIF-2 relays consist of - relay base, 1 or 2 PDT relays, relay retaining bracket, Input module / Interface suppressor module (AC types only)

Features -

Relay with lockable manual operation and status LED

With DC types, freewheeling diodes are integrated into the relay

Mechanical switch position indicator

Logical contact arrangement thanks to 1/3- relay base

Professional bridging of adjacent relays save wiring time

Refer page 195 for plug in bridges.

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2903315	RIF-2-RPT-LDP-24DC/2X21	24VDC	2	DPDT	10	14.76
XPC2903313	RIF-2-RPT-LV-24AC/2X21	24VAC	2	DPDT	10	18.13
XPC2903311	RIF-2-RPT-LV-120AC/2X21	120VAC	2	DPDT	10	18.22
XPC2903310	RIF-2-RPT-LV-230AC/2X21	230VAC	2	DPDT	10	17.98
XPC2903308	RIF-2-RPT-LDP-24DC/4X21	24VDC	4	4PDT	6	15.20
XPC2903306	RIF-2-RPT-LV-24AC/4X21	24VAC	4	4PDT	6	18.57
XPC2903305	RIF-2-RPT-LV-120AC/4X21	120VAC	4	4PDT	6	18.57
XPC2903304	RIF-2-RPT-LV-230AC/4X21	230VAC	4	4PDT	6	18.38



XPC2903315

Standard Relays with Round Pins - Relay and Base Combination

Fully mounted, RIF-3 relays consist of - relay base, 2 or 3 PDT relays, relay retaining bracket, Input module / Interface suppressor module (AC types only)

Features -

Relay with lockable manual operation and status LED

With DC types, freewheeling diodes are integrated into the relay

Mechanical switch position indicator

Logical contact arrangement thanks to 1/3- relay base

Professional bridging of adjacent relays save wiring time

Refer page 195 for plug in bridges.

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2903297	RIF-3-RPT-LDP-24DC/2X21	24VDC	2	DPDT	10	20.99
XPC2903296	RIF-3-RPT-LV-120AC/2X21	120VAC	2	DPDT	10	22.80
XPC2903295	RIF-3-RPT-LV-230AC/2X21	230VAC	2	DPDT	10	23.99
XPC2903294	RIF-3-RPT-LDP-24VDC/3X21	24VDC	3	3PDT	9	22.80
XPC2903293	RIF-3-RPT-LV-120AC/3X21	120VAC	3	3PDT	9	24.60
XPC2903292	RIF-3-RPT-LV-230AC/3X21	230VAC	3	3PDT	9	25.80



XPC2903297

Standard Relays with Square Pins - Relay and Base Combination

Fully mounted, RIF-3 relays consist of - relay base, 2 or 3 PDT relays, relay retaining bracket, Input module / Interface suppressor module (AC types only)

Features -

Logical contact arrangement thanks to 1/3- relay base

Professional bridging of adjacent relays save wiring time

Refer page 195 for plug in bridges.

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2903281	RIF-4-RPT-LDP-24DC/2X21	24VDC	2	DPDT	16	29.98
XPC2903280	RIF-4-RPT-LV-120AC/2X21	120VAC	2	DPDT	16	31.17
XPC2903279	RIF-4-RPT-LV-230AC/2X21	230VAC	2	DPDT	16	32.38
XPC2903278	RIF-4-RPT-LDP-24DC/3X21	24VDC	3	3PDT	16	31.17
XPC2903277	RIF-4-RPT-LV-120AC/3X21	120VAC	3	3PDT	16	32.38
XPC2903276	RIF-4-RPT-LV-230AC/3X21	230VAC	3	3PDT	16	33.59



XPC2903281



Input Modules and Interference Suppression Modules

Input modules and Interference suppression modules for optional fitting of RIF-1 to RIF-4 relay bases

Benefits include -

Attenuation of reverse voltage induced in the coil

Mechanical coding to protect against incorrect connection

Part no.	Input Voltage	Phoenix Description	Description	Price \$
XPC2900939	12-24 V DC ±20%	RIF-LDP-12-24 DC	Plug-in module, with LED status indicator and freewheeling diode to effectively limit the coil induction voltage, polarity: A1+, A2-,	3.26
XPC2900941	110 V DC ±20%	RIF-LDP-110 DC	Plug-in module, with LED status indicator and freewheeling diode to effectively limit the coil induction voltage, polarity: A1+, A2-,	3.26
XPC2900942	12-24 V AC/ DC ±20% (30-V-varistor)	RIF-LV-12-24 UC	Plug-in module, with LED status indicator and varistor to limit the coil induction voltage and/or external interference peaks,	3.70
XPC2900943	48-60 V AC/ DC ±20% (75-V-varistor)	RIF-LV-48-60 UC	Plug-in module, with LED status indicator and varistor to limit the coil induction voltage and/or external interference peaks,	3.70
XPC2900944	120-230 V AC/110 V DC ±20% (275-V-varistor)	RIF-LV-120-230 AC/110 DC	Plug-in module, with LED status indicator and varistor to limit the coil induction voltage and/or external interference peaks,	3.70
XPC2900945	12-24 V AC/ DC ±20% (30-V-varistor)	RIF-V-12-24 UC	Plug-in module, with varistor to limit the coil induction voltage and/or external interference peaks,	3.36
XPC2900947	48-60 V AC/ DC ±20% (75-V-varistor)	RIF-V-48-60 UC	Plug-in module, with varistor to limit the coil induction voltage and/or external interference peaks,	3.36
XPC2900948	120-230 V AC/110 V DC ±20% (275-V-varistor)	RIF-V-120-230 UC	Plug-in module, with varistor to limit the coil induction voltage and/or external interference peaks,	3.36
XPC2900949	12-24 V AC/ DC ±20% (220 nF/100 Ω)	RIF-RC-12-24 UC	Plug-in module, with RC element to limit the coil induction voltage and/or external interference peaks,	3.26
XPC2900950	48-60 V AC/ DC ±20% (220 nF/220 Ω)	RIF-RC-48-60 UC	Plug-in module, with RC element to limit the coil induction voltage and/or external interference peaks,	3.26
XPC2900951	120 - 230 V AC/110 DC ±20% (100 nF/470 Ω)	RIF-RC-120-230 UC	Plug-in module, with RC element to limit the coil induction voltage and/or external interference peaks,	3.26

Related products:



**Temporary Supply
Switchboards**
p.279



Inox Lubricants
p.278



Solid State Relays
p.129



**Polycarbonate
Enclosures**
p.23

Plug-in Timer Module for RIF-1 to RIF-4 Relays

The multifunctional plug-in timer module transforms the relay module into a timer relay.

The RIF-1 to RIF-4 bases can be fitted with this module. Using DIP switches, you can choose from three time ranges and select four time functions.

Fine adjustments to the time are made using a potentiometer. Relays can be operated with an input voltage of 24 V AC/DC.

Timer module for mounting on RIF-1 to RIF-4, with LED status indicator for extending a relay module to create a timer relay with an input voltage on 214V AC/DC

Functions -

- Switch on delay
- Single shot leading edge
- Flasher / pulse generator
- Time ranges - 0.5s - 10s, 5s - 100s, 0.5min - 10 min, 5 min - 100 min



Part no.	Phoenix Description	Description	Price \$
XPC2902647	RIF-T3-24UC	Plug in timer module with 24VAC/DC input voltage	45.54

Plug in bridges for RIF 1 to RIF-4 relays

Part no.	Phoenix Description	Description	Price \$
XPC3030336	FBS 2-6	2-pos. red	0.58
XPC3036932	FBS 2-6 BU	2-pos. blue	0.6
XPC3032237	FBS 2-6 GY	2-pos. grey	0.6
XPC3030349	FBS 5-6	5-pos. red	2.32
XPC3030271	FBS 10-6	10-pos. red	5.2
XPC3030365	FBS 20-6	20-pos. red	10.58
XPC3032224	FBS 50-6	50-pos. red	25.48
XPC3030284	FBS 2-8	2-pos. red	0.84
XPC3032567	FBS 2-8 BU	2-pos. blue	0.86
XPC3032541	FBS 2-8 GY	2-pos. grey	0.88

Marking Material

Suits 5.2 mm, 6.2 mm, and 15.2 mm wide

Part no.	Phoenix Description	Description	Price \$
XPC1050004	ZB 5 :UNBEDRUCKT	Zack marker strip, unprinted 10-section pk10	8.82
XPC1051003	ZB 6:UNBEDRUCKT	Zack marker strip, unprinted 10-section pk10	8.82
XPC0811972	ZB 15:UNBEDRUCKT	Zack marker strip, unprinted 5-section pk10	8.82

Double Marker Carrier

Part no.	Phoenix Description	Description	Price \$
XPC0800967	STP 5-2	Double marker carrier for ZB 5	1.04



Accessories Available for PLC Ultra Slim Relays

Please enquire for details.

PLC series



Adapters for the system cabling

The PLC-V8... adapter is used to connect 8 PLC-INTERFACE modules to the PLC system cabling for input and output functions. For more details, see page 369



6.2 mm design width

PLC-R...21 and PLC-O... relay and solid-state relay modules with PDT or N/O contact, designed for universal use. Available with screw, spring-cage or push-in connection.



14 mm design width

PLC-R...21-21 includes plug-in relays with two PDT contacts for switching capacities of up to 250 V AC/6 A. Available with screw, spring-cage, and push-in connection.



Feed-through terminal block

PLC-VT... is the feed-through terminal block for PLC-INTERFACE and the system cabling for passive signal transfer. For more details, see page 486



Sensors/actuators

PLC...SEN and PLC...ACT do not require additional supply/output terminal blocks. All connections are connected directly.



High currents

PLC...IC is ideal for high inrush currents, e.g., from lamp loads. PLC...HC are the modules to use for applications with high continuous load currents.



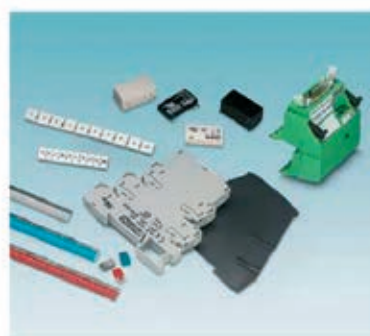
Railway applications

PLC...RW relay or solid-state relay modules are suitable for railway requirements. They are only available with spring-cage and push-in connection.



Interference signals on the input side

PLC-B...SO46 basic terminal blocks are used for filtering interference currents and interference voltages on the input side.



Accessories

The entire PLC-INTERFACE system can be extended with a wide range of accessories, such as power terminal blocks or plug-in bridges. For more details, see page 368


NEW

PLC Ultra Slim Relays (SPDT, 6.2mm Wide) - Relay & Base Combination

Screw Connection

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2966906	PLC-RSC- 12DC/21	12VDC	1	SPDT	6A	21.35
XPC2966171	PLC-RSC- 24DC/21	24VDC	1	SPDT	6A	21.51
XPC2966184	PLC-RSC- 24UC/21	24VAC/DC	1	SPDT	6A	24.98
XPC2966113	PLC-RSC- 48VDC/21	48VDC	1	SPDT	6A	23.81
XPC2966139	PLC-RSC- 60VDC/21	60VDC	1	SPDT	6A	26.74
XPC2966197	PLC-RSC-120UC/21	120VAC (110VDC)	1	SPDT	6A	23.77
XPC2966207	PLC-RSC- 24UC/21	230VAC (220VDC)	1	SPDT	6A	24.72

Push-In Connection

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2900316	PLC-RPIT- 12DC/21	12VDC	1	SPDT	6A	21.35
XPC2900299	PLC-RPIT- 24DC/21	24VDC	1	SPDT	6A	21.51
XPC2900300	PLC-RPIT- 24UC/21	24VAC/DC	1	SPDT	6A	24.98
XPC2900301	PLC-RPIT- 48VDC/21	48VDC	1	SPDT	6A	23.81
XPC2900303	PLC-RPIT- 60VDC/21	60VDC	1	SPDT	6A	26.74
XPC2900304	PLC-RPIT-120UC/21	120VAC (110VDC)	1	SPDT	6A	23.77
XPC2900305	PLC-RPIT- 24UC/21	230VAC (220VDC)	1	SPDT	6A	24.72



XPC2966171

PLC Ultra Slim Relays (2PDT, 14mm Wide) - Relay & Base Combination

Screw Connection

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2967235	PLC-RSC- 12DC/21-21	12VDC	2	2PDT	6A	28.27
XPC2967060	PLC-RSC- 24DC/21-21	24VDC	2	2PDT	6A	29.35
XPC2967073	PLC-RSC- 24UC/21-21	24VAC/DC	2	2PDT	6A	28.05
XPC2967248	PLC-RSC- 48DC/21-21	48VDC	2	2PDT	6A	27.46
XPC2967293	PLC-RSC- 60DC/21-21	60VDC	2	2PDT	6A	30.51
XPC2967086	PLC-RSC-120UC/21-21	120VAC (110VDC)	2	2PDT	6A	28.80
XPC2967099	PLC-RSC-230UC/21-21	230VAC (220VDC)	2	2PDT	6A	28.80

Push-In Connection

Part no.	Phoenix Description	Voltage	No. Of Poles	Contact Arrangement	Amps	Price \$
XPC2900329	PLC-RPIT- 12DC/21-21	12VDC	2	2PDT	6A	28.27
XPC2900330	PLC-RPIT- 24DC/21-21	24VDC	2	2PDT	6A	29.35
XPC2900332	PLC-RPIT- 24UC/21-21	24VAC/DC	2	2PDT	6A	28.05
XPC2900333	PLC-RPIT- 48DC/21-21	48VDC	2	2PDT	6A	27.46
XPC2900334	PLC-RPIT- 60DC/21-21	60VDC	2	2PDT	6A	30.51
XPC2900335	PLC-RPIT-120UC/21-21	120VAC (110VDC)	2	2PDT	6A	28.80
XPC2900336	PLC-RPIT-230UC/21-21	230VAC (220VDC)	2	2PDT	6A	28.80



XPC2967060

Bridging Bars to suit PLC Ultra Slim Relays

Part No.	Phoenix Description	Amps	Price \$
XPC2966786	FBST 500-PLC RD Continuous plug-in bridge, Length: 500 mm, Color: red	32A	18.24
XPC2966692	FBST 500-PLC BU Continuous plug-in bridge, Length: 500 mm, Color: blue	32A	18.24
XPC2966838	FBST 500-PLC GY Continuous plug-in bridge, Length: 500 mm, Color: grey	32A	18.24


NEW

Markers to suit PLC Ultra Slim Relays

Packs of 10

Part No.	Description	Print	Price \$
<i>Printed Horizontally</i>			
XPC1051016:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1051016:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1051016:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1051016:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1051016:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1051016:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1051016:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1051016:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1051016:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1051016:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56
<i>Printed Vertically</i>			
XPC1051029:0001	Zack Marker strip, 10 sections with consecutive numbers	1-10	11.56
XPC1051029:0011	Zack Marker strip, 10 sections with consecutive numbers	11-20	11.56
XPC1051029:0021	Zack Marker strip, 10 sections with consecutive numbers	21-30	11.56
XPC1051029:0031	Zack Marker strip, 10 sections with consecutive numbers	31-40	11.56
XPC1051029:0041	Zack Marker strip, 10 sections with consecutive numbers	41-50	11.56
XPC1051029:0051	Zack Marker strip, 10 sections with consecutive numbers	51-60	11.56
XPC1051029:0061	Zack Marker strip, 10 sections with consecutive numbers	61-70	11.56
XPC1051029:0071	Zack Marker strip, 10 sections with consecutive numbers	71-80	11.56
XPC1051029:0081	Zack Marker strip, 10 sections with consecutive numbers	81-90	11.56
XPC1051029:0091	Zack Marker strip, 10 sections with consecutive numbers	91-100	11.56

Programmable Logic Relay Systems

Extremely compact control, the PLC logic relay system from Phoenix Contact is the incredibly compact way to carry out small automation tasks easily and with flexibility. The system consists of the PLC-V8C logic modules, the PLC-INTERFACE relay system, and the LOGIC + software. The logic modules are simply plugged into a row of eight PLC-INTERFACE terminal blocks and combine the logic and interface level in one unit. Depending on the switching requirements, plug-in electromechanical and solid state relays can be combined in order to flexibly switch and control the I/O signals.

PLC logic processes digital and analogue input signals as well as logic functions and time modules, and replaces conventional switching and control devices. Up to 16 I/O signals can be processed using the stand alone logic modules- that's with an overall width of just 50mm. If more I/O signals are required, a maximum of 48 I/O signals can be linked using the basic and extension modules.

Switching and controlling with plug in relays -

- PLC logic brings together the standard combination of logic module and separate plug in relays and eliminates wiring effort and additional switching elements
- Convenient connections with screw or push - in connection technology which also accommodate return conductors, eliminate the need for separate potential terminal blocks
- Each relay channel can be freely configured as an input or output. PLC logic therefore perfectly adapts to fit the application at hand.

Intuitive programming -

Programming is quick and easy with the intuitive LOGIC + software. Ladder (LD) and function block diagrams (FBD) can be created by selecting the relevant functions and their connection using drag & drop. The graphical representation of PLC logic in the hardware editor supports intuitive operation. The programs created can be simulated offline on the PLC and tested online during operation. Basic functions such as AND, OR, NOT etc. are complemented by special functions, such as counters, seven day timers, timer modules, and mathematical functions to name a few.

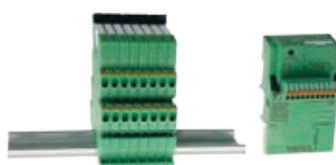
PLC Modules

Part no.	Phoenix Description	Description	Price \$
XPC2905136	PLC-V8C/PT-24DC/SAM	stand-alone logic module	270.50
XPC2905135	PLC-V8C/PT-24DC/BM	basic module	307.05
XPC2905137	PLC-V8C/PT-24DC/BM	extension module	252.22

PLC Accessories

Part no.	Phoenix Description	Description	Price \$
XPC2701626	CAB-USB A/MICRO USB B/2,0M	Programming Cable	41.26

Please refer to page 197 for PLC relays



SENVA SENSING & CURRENT MONITORING PRODUCTS

Senva Current sensing relays & remote application relays	200
Temperature sensors	200
Liquid pressure sensors.....	200
Dry air pressure sensors	201
CO2 & CO sensors.....	201
Humidity sensors.....	201
CO2 sensor switching controllers	201
Environmental sensors.....	202
ABC current monitoring secondary switching controllers and control boards	202

SENVA

IMPROVED
& EXPANDED
RANGE

SEN C 1200



SEN C 1203



SEN C 1220



SEN C 1320



SEN C 2200



SEN C 2220



SEN C 2300



SEN C 2320



SEN C 2345



SEN C 2350VFD



SEN C 1500-06



SEN C 1550

PG LIQUID PRESSURE
SENSOR

Current Sensing Relays

Monitors currents from 0.1 Amp to 200Amp. Mini version and split core versions are available. Outputs range from 1 Amp relay analogue outputs of 0-5VDC, 0-10 VDC and 4-20mA. Other models available for specific applications.

Part no.	Description	Price \$
<i>Mini solid core current sensing relays</i>		
SEN C 1200	mini solid core go/no go 0.25 to 50A range 1A@30VAC/DC man N/O	65.00
SEN C 1200HV	mini solid core go/no go 0.25 to 50A range 0.2A@240VAC/DC man N/O	88.00
SEN C 1203	mini solid core Analogue 0-15A fixed range 0-5VDC	123.00
SEN C 1205	mini solid core 0-15 A fixed range 4-20ma	130.00
SEN C 1220	preset solid core mini .75 to 50A range 1A@30VAC/DC man N/O	128.00
SEN C 1220L	preset solid core mini .75 to 5A range 1A@30VAC/DC man N/O	128.00
<i>Solid core larger conductor version current sensing relays</i>		
SEN C 1300	mini solid core go/no go 0.25 to 50A range 1A@30VAC/DC man N/O	76.00
SEN C 1320	preset solid core mini .75 to 50A range 1A@30VAC/DC man N/O	136.00
<i>Mini split core current sensing</i>		
SEN C 2200	Mini split core go/no go .35 to 50A range 1A@30VAC/DC man N/O	125.00
SEN C 2220	preset mini split core 0.25 to 100A range 1A@30VAC/DC man N/O	199.00
SEN C 2220L	preset mini split core 0.25 to 5A range 1A@30VAC/DC N/O	199.00
<i>Split core current sensing</i>		
SEN C 2300	split core go/no go .15 to 100A range 1A@30VAC/DC man N/O	110.00
SEN C 2320	preset split core 1.25 to 100A range 1A@30VAC/DC man N/O	195.00
SEN C 2320L	preset split core 1.25 to 50A range 1A@30VAC/DC man N/O	195.00
SEN C 2320H	preset split core 1.25 to 150A range 1A@30VAC/DC man N/O	195.00
SEN C 2330	auto set split core 2.5 135A range 1A@30VAC/DC man N/O	249.00
SEN C 2343	split core Analogue (30A, 60A, 120A) selectable range 0-5VDC	169.00
SEN C 2343 L	split core Analogue (5A, 10A, 20A) selectable range 0-5VDC	174.00
SEN C 2344	split core Analogue (30A, 60A, 120A) selectable range 0-10VDC	169.00
SEN C 2345	split core loop powered 30A-60A-120A ranges 4-20mA output	189.00
SEN C 2345L	split core loop powered (5A, 10A, 20A) selectable range 4-20mA	189.00
SEN C 2350VFD	Auto calibrating, 3.5 to 135 Amps, induced 1 A contacts	279.00
SEN C 2350VFD-L	Auto calibrating, .5 to 15 Amps, supply 12 to 24VAC/DC 1 A contacts	315.00

120VAC output versions available for the above on request

Multi Point Current Switches

Current switches are designed to monitor multiple loads making them a very economical alternative

Part no.	Description	Price \$
SEN C1500-06	Monitor 6 loads from one unit, 6 separate outputs	437.00
SEN C1550	Monitor up to 18 equally sized motors with just 2 CT,s 1 output	437.00

Temperature Sensors

These temperature sensors are available in versions so they are easily adaptable to connect to the BAS or Automation system that suits your needs.

Part no.	Description	Price \$
TR-x (1-7)	Temperature sensor NTC, options with either slider or over ride push button fitted to cover	99.00
S/P Slider	Manual set point adjustment slider fitted to TR-x(1-7)	27.00
Over ride PB	Over ride push button for out of hours over ride operation	11.00
Thermistor	Please enquire for variants to operate with compatible BAS and Automation systems	19.00

Liquid Sensing Pressure Sensors

Part no.	Description	Price \$
PG-(x)SB	Liquid pressure sensor 0-5VDC	469.00
PG-(x)SC	Liquid pressure sensor 4-20mA	469.00

(x) please indicate range required 15, 50, 75, 100, 300, 500, PSID

Dry Air Pressure Sensors pA Versions

These PDP air sensors can be used either uni or bi-directionally (jumper settable) or as either a static pressure sensor or as a differential sensor with both 0 to 10VDC and 4 to 20mA outputs. Available in either duct mounting with probe (PDP31) or with surface mounting (PDP32)

Part no.	Description	Price \$
SEN PDP 31-002-A	Low pressure range 25-125-250-500Pa diff/static Nema 4	389.00
SEN PDP 31-2500	High pressure air diff/static range 250-1250-2500Pa nema 4	326.00
SEN PDP 31-7000	High pressure air diff/static range 2500-5000-7000Pa diff/static nema 4	326.00
SEN PDP 32-002-A	Low pressure range 25-125-250-500 Pa diff/static Nema 4 duct	399.00
SEN PDP 32-2500	High pressure air diff/static range 250-1250-2500 Pa Duct mount	349.00
SEN PDP 32-7000	High pressure air diff/static range 2500-5000-7000 Pa Duct mount	335.00

Note air pressure sensors also available in inches of water versions

CO and CO2 Sensors

These are mainly used in auditoriums and where the occupation level can change or is unknown. When connected via a control system they can be used to control the fresh air level in the building via fans and or dampeners. They are also used in the manufacturing industry to monitor CO2 levels in the products

Part no.	Description	Price \$
SEN CO2RL	Wall mount CO2 sensor with digital display 4 to 20ma & 0 to 10VDC	579.00
SEN CO2D-A	Duct mount CO2 sensor with digital display 4 to 20ma & 0 to 10VDC	645.00
SEN CO2O-A	Outdoor CO2 sensor with digital display 4 to 20ma & 0 to 10VDC	729.00
SEN CO2-VAL	Indoor CO2 ventilation monitoring and control with analogue and digital outputs	369.00
SEN CO2D-VAL	Duct mount CO2 ventilation monitoring with analogue & digital output	569.00
SEN CHTWL-12BA	CO2/humidity/temperature combination sensor	1,279.44
SEN CHTWL-1ABA	CO2/Temp combination sensor	1,015.88
<i>Carpark Carbon Monoxide Control</i>		
ABC design	CO system design service available to your site specifications	P.O.A.
ABC com	On site yearly tests for CO sensors as per current Australian stds	P.O.A.
SEN CO-EC-W-A	Car park carbon monoxide controller	820.00

Other mounting versions (indoor/outdoor) and combinations of the above are available.

Please call for full specification and installation details.

Humidity Sensors

Mainly used in the air conditioning and manufacturing industries. Senses relative humidity inside, outside and in duct work. Inbuilt LCD display for readings and easy on site calibration. Universal outputs selectable, 4-20 Ma or 0-5VDC and 0-10VDC

Models available with added temperature sensing. NTC beads to suit most automation applications.

Please call us with your specifications for a quote.

Part no.	Description	Price \$
SEN H(R)-2 (A)	Humidity sensor 2% indoor wall mount 0 to 10VDC output	369.00
SEN H(O)-2 (A)	Humidity sensor 2% Outside use 0 to 10VDC output	459.00
SEN H(D)-2 (A)	Humidity sensor 2% duct mount 0 to 10VDC output	449.00
WD-1	Water detector, solid state isolated relay output	230.00

NOTE:- other version Humidity sensors available with LCD display & NTC temperature beads installed.

CO Sensor Switching Control Unit

Din mounted. Direct connection to the fire indication panel. Direct connection for Run / Fail status to fire indication panel. Direct connection for carbon monoxide sensor / controller. Direct connection for Auto / Off / Manual switching and Run / Fail lamps on ABC FC4A unit. Built in Auto / Off / Manual switching and Run / Fail indication on ABC FC4B unit. Lamp test input. Easy installation into existing and new Mechanical services and Light and Power switchboards. Alarm output. Complete with wiring diagram and operation manual

Part no.	Description	Price \$
ABC FC4A	For remote indication and Auto / Off / Manual operation of CO sensors	189.00

SENVA

IMPROVED
& EXPANDED
RANGE



SEN PDP 31 SERIES



SEN PDP32-250



SEN CO2RL



SEN CO2D-A



SEN CO2-VAL



SEN CO-EC-W-A



SEN H(R)-2 (A)



SEN H(O)-2(A)



SEN H(D)-2(A)





Environmental Sensors

An air quality sensor for duct mounting with 3 independent outputs, one for each of the three in-built sensors : CO2, Humidity and temperature. Often mounted within the air conditioning return duct and used to monitor and control room conditions.

Part no.	Description	Price \$
SEN AQW	Base model temperature sensor with digital display	265.00
<i>Optional extras</i>		
BAC	BACnet addition	82.00
CO2	CO2 sensor addition	349.00
RH	2% humidity element addition	159.00
SL	Thermistor addition	32.00
RTD	Set point slider addition	23.00



ABC Secondary Fan Controllers

This comprehensive range of units come with built in current sensing relays and run on timers and have been designed with ease of installation in mind.

They can be used in many different applications to monitor the power used on one circuit such as a toilet light, range hood or air conditioner, and switch a separate circuit such as a fan or air damper. The ABC FR series has many uses in apartments to control fresh air fans for toilets / bathrooms and make up air fans for kitchen range hoods.

Part no.	Description	Price \$
ABC FR3	Delay off timer and C1200 current monitoring relay, 240VAC 10A AC1 output relay	215.00
ABC FR3A	Delay off timer and C1200 current monitoring relay, 240VAC 10A AC1 output relay and leads with fitted 3 pin plugs	279.00
ABC FR3AV	Delay off timer and C1220 adjustable current monitoring relay, 240VAC 10A AC1 output relay and leads with fitted 3 pin plugs	339.00
ABC FR3B	C1200 current monitoring relay 240VAC 10A AC1 output relay	179.00
ABC FR3AN	Delay off timer, 240VAC 10A AC1 output relay and leads with fitted 3 pin plugs can be used where remote current monitoring relays or switching is required	229.00
ABC FR3N	Delay off timer, 240VAC 10A AC1 output relay can be used where remote current monitoring relays or switching is required	169.00
ABC FR3NL	Delay off timer and C1200 current monitoring relay, 12VAC/DC 10A AC1 output relay can be used where remote current monitoring relays or switching is required	165.00
ABC QT1	ABC QT1 run on solid state fan timer that can either be switched by a SEN C 1200HV or 2 x separate 240VAC switch inputs such as lighting circuits. Maximum load switching 275W. Run on timer with 1 min to 10 min adjustment. Dimensions 35mm x 51mm x 10mm	78.50

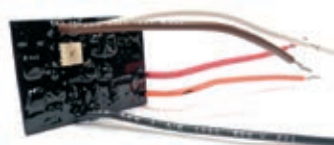
ABC CS1 Compact Secondary Fan Controllers

The CS1 range is similar to the ABC FR3 range but without a run on timer. These units can be purchased as a stand alone PCB arrangement small enough to mount in a standard electrical junction box or in their own enclosure with cable attached for easy installation. As with the ABC FR3 they are used to monitor a 240VAC load and switch on a second load when power is detected.

Part no.	Description	Price \$
ABC CS1A	AC current current monitoring relay to 5A, with inductive 5A 240VAC relay output on the PCB	139.00
ABC CS1A-R	AC current current monitoring relay to 5A, with inductive 5A 240VAC relay output on the PCB with remote current monitoring relay	139.00
ABC CS1B	AC current current monitoring relay to 5A, with inductive 5A 240VAC relay output, enclosed with lead	179.00



ABC FR3A



ABC QT1



ABC CS1A



ABC CS1B



ABC Series Products

The FR and CS range of special application sensors are designed to solve specific installation issues found in today's modern buildings. These products are especially designed with the installation team in mind - with each product being made for ease of installation and commissioning. All FR and CS series products can be customised by you on site or at the design stage for your specific application. Please call your local distributor to discuss your site specific requirements.

The ABC FR and CS series are now specified by many consultants.

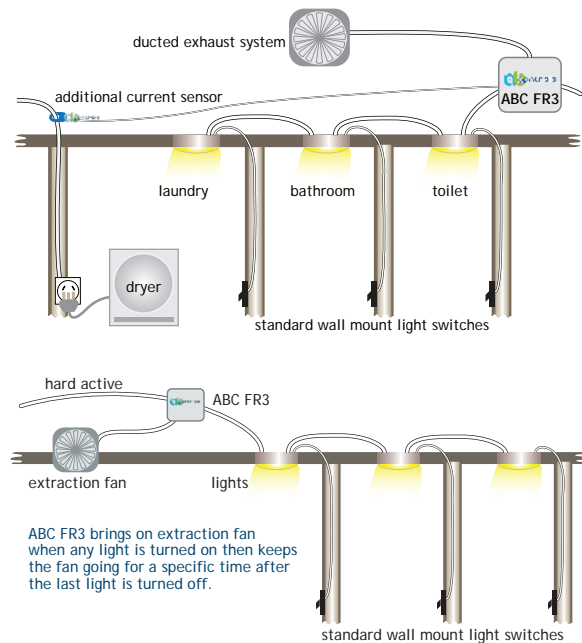
ABC FR3

Current monitor & timer

The ABC FR3, an Australian designed and made product, is a very versatile current sensor, delay off timer (10 minutes maximum adjustable) and 5 Amp (inductive) power relay in one small unit. It is designed to monitor the current (amps) used on a 240V AC circuit and operates the internal 5 Amp (ind) power relay when the monitored circuit draws current, initialising a 0-10min adjustable off-delay timer.

ABC FR3 options

Other versions are available on request to suit your needs. Call us to discuss your requirements and we can recommend the best alternative for the situation or, in some instances, create a new one.



ABC FR3 Specifications

- Operation voltage 220 to 240 VACMax
- Total Load current 10 Amps Max
- Relay switching current 10 Amps (res) 5 Amp (ind)-AC3
- Timer range ABC FR3 0 to 10 min adjustable

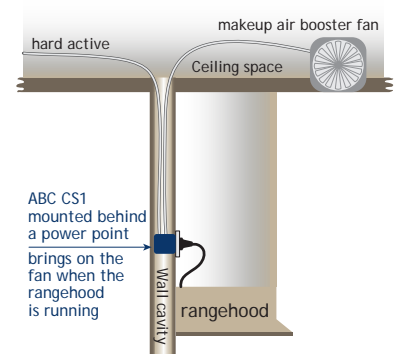


ABC-CS1 Series

Current monitoring relay

This new range of compact current sensors have many varied uses. They will monitor a 240vac load and switch a second load when current is detected. Because it doesn't need the timing facility of the FR3 series, its small size makes it easier to install than ever before.

The ABC CS1 can be purchased as a standalone PCB, small enough to mount in a standard electrical Jbox or in a pre-wired enclosure as shown.



LOAD BREAK SWITCHES & FUSEGEAR

Load break switches	205
Eureka compact load break switches	205
Ensto load break switches & accessories	206
Tend Panel, din mount and enclosed isolators.....	206
Change over switches	207
Automatic transfer switches	207
Dumeco load break and change over switches	208
Service fuses, fuse links and switch disconnectors	210
Fuse switches	210
Glass fuses & fuse gear	210



Load Break Switches

All switches come complete with shaft & lockable handle.
Handle type 25A - 125A c/w 5mm square, 70mm long shaft.
200A - 800A c/w 12mm square, 255mm long shaft.
Please enquire for shaft sizes on switches above 800A.

Part no.	No. of poles	Rated current at AC22A	Withstand 1 sec (kA)	Price \$
CSSD 25 D3	3	25	0.5 kA at 690V	57.68
CSSD 25 D4	4	25	0.5 kA at 690V	85.79
CSSD 40 D3	3	40	0.5 kA at 690V	83.87
CSSD 40 D4	4	40	0.5 kA at 690V	122.36
CSSD 63 K3	3	63	1.0 kA at 690V	103.17
CSSD 63 K4	4	63	1.0 kA at 690V	141.77
CSSD 125 DM3	3	125	2.5 kA at 690V	223.94
CSSD 125 DM4	4	125	2.5 kA at 690V	279.93
CSSD 200 DM3	3	200	8kA at 1 sec, 17.5kA at 0.2 sec at 690V	446.76
CSSD 200 DM4	4	200	8kA at 1 sec, 17.5kA at 0.2 sec at 690V	563.36
CSSD 250 DM3	3	250	8kA at 1 sec, 17.5kA at 0.2 sec at 690V	536.16
CSSD 250 DM4	4	250	8kA at 1 sec, 17.5kA at 0.2 sec at 690V	673.86
CSSD 400 K3	3	400	24 kA at 440V	842.95
CSSD 400 K4	4	400	24 kA at 440V	1,063.73
CSSD 630 K3	3	630	24 kA at 440V	1,329.44
CSSD 630 K4	4	630	24 kA at 440V	1,509.03
CSSD 800 K3	3	800	24 kA at 440V	1,906.57
CSSD 800 K4	4	800	24 kA at 440V	3,092.89
CSSD 1000 K3	3	1000	50 kA at 690V	2,750.99
CSSD 1000 K4	4	1000	50 kA at 690V	3,722.50
CSSD 1250 K3	3	1250	50 kA at 690V	3,546.08
CSSD 1250 K4	4	1250	50 kA at 690V	4,795.95
CSSD 1600 K3	3	1600	50 kA at 690V	4,023.09
CSSD 1600 K4	4	1600	50 kA at 690V	5,422.40
CSSD 2500 K3	3	2500	80 kA at 690V	6,478.12
CSSD 2500 K4	4	2500	80 kA at 690V	8,101.83
CSSD 3150 K3	3	3150	80 kA at 690V	8,255.90
CSSD 3150 K4	4	3150	80 kA at 690V	9,941.58



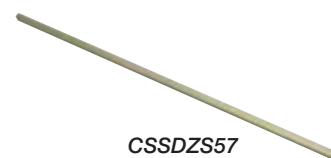
CSSD 250D M3



CSSD 40 D3



CSSF 703



CSSDZS57

Load Break Accessories

Part no.	Description	Price \$
CSSDZS57	5mm 300mm long extension shaft suits CSSD25C1 to CSSD125C1	57.00
CSSDZK44	12mm 465mm long extension shaft suits CSSD200D1 to CSSD800K3	61.86
YASDB 20	Large handle to suit CSSDZS57	72.47
CSSF 701	Terminal shroud to suit CSSD63	58.41
CSSF 702	Terminal shroud to suit CSSD125 to 200	96.00
CSSF 703	Terminal shroud to suit CSSD250 to 400	96.00
CSSF 704	Terminal shroud to suit CSSD630 to 800	96.00

Eureka Compact Load Break Switch

Eureka load break isolator suitable for mounting on din rail
Comes complete with line and load terminal shrouds and phase barriers.
Fits directly to Eureka 250A EMS chassis
Tested to IEC 60947-3 :2005
Rated Current 250 Amp
Rated Voltage 415V
8.5kA @ 1 sec.

Part no.	Description	Price \$
EUR-3-250	3 Pole load break isolator 250amp din mount	105.48
EUR-3-250PD	Padlock attachment to suit	8.41



EUR-3-250



Saves Your Energy

NEW



KSM3.40



KSM3.125



KSM3.125RY



KSM31.125



KSH48



KSH48.01



PMR SHROUDS



KS23.090



KSM1-125



TDS33-ERR



TDS33-FRR

Compact switch isolators for use where space is an issue. Din rail mounted with external or direct handle options. Available from 25 to 125A. Aux contacts and shrouds also available. Direct or extended rotary handles

Load Break Switches with Direct Lockable Handle

Part No.	Description	Price \$
KS3.25	3 pole 25A load break switch with direct lockable handle	84.94
KS3.40	3 pole 40A load break switch with direct lockable handle	109.21
KS3.63	3 pole 63A load break switch with direct lockable handle	115.13
KSM3.80	3 pole 80A load break switch with direct lockable handle	145.61
KSM3.100	3 pole 100A load break switch with direct lockable handle	230.27
KSM3.125	3 pole 125A load break switch with direct lockable handle	266.39
KSM3.125RY	3 pole 125A load break switch with direct red / yellow lockable handle	284.45

Load Break Switches with No Handle

Part No.	Description	Price
KSM31.63	3 pole 63A load break switch, no handle	109.49
KSM31.80	3 pole 80A load break switch, no handle	139.97
KSM31.100	3 pole 100A load break switch, no handle	223.49
KSM31.125	3 pole 125A load break switch, no handle	260.74

4th Pole

Part No.	Description	Price
KSM1.63	Additional 4th pole 63A	42.50
KSM1.80	Additional 4th pole 80A	46.11
KSM1.100	Additional 4th pole 100A	66.77
KSM1.125	Additional 4th pole 125A	78.90

Accessories

Part No.	Description	Price
KSA1	Auxiliary contact 1 N/O 1 N/C to suit KS3.25 to KSM3.125	60.67
KSH48	Handle IP65 red / yellow	30.36
KSH48.2	Handle IP65 black with no interlock	30.36
KSH48.01	Handle IP65 black	30.36
KSH75RY	Handle IP65 red / yellow pistol grip	84.94
KS23.090	90mm shaft and adaptor	16.99
KS23.150	150mm shaft and adaptor	18.91
KS23.300	300mm shaft and adaptor	24.89
PMR123	Terminal shroud to suit KS3.25 to KSM3.125	18.23
PMR111	Terminal shroud to suit KSM1.63 to KSM1.125 4th pole	18.23
PMR113	Terminal shroud to suit KSM3 to KSM31	18.23

Tend Isolators

IP65. Lockable handle. Panel & DIN mount and enclosed. IEC-60947-3. Unique shaft removal system.

Part no.	AC21 rating at 415V	Mounting	No of poles	Price \$
TDS33-FRR	32	Panel	3	109.38
TDS66-FRR	63	Panel	3	147.64
TDS80-FRR	80	Panel	3	310.58
TDS33-BRR3	32	Din	3	118.86
TDS66-BRR3	63	Din	3	161.98
TDS80-BRR3	80	Din	3	350.48
TDS33-ERR	32	Enclosed	3	140.42
TDS66-ERR	63	Enclosed	3	176.48
TDS80-ERR	80	Enclosed	3	482.82
TDS433-FRR	32	Panel	4	121.62
TDS440-FRR	40	Panel	4	138.33
TDS466-FRR	63	Panel	4	164.06
TDS480-FRR	80	Panel	4	345.12
TDS433-BRR3	32	Din	4	132.06
TDS440-BRR3	40	Din	4	146.74
TDS466-BRR3	63	Din	4	180.04
TDS480-BRR3	80	Din	4	389.42



Changeover Switches

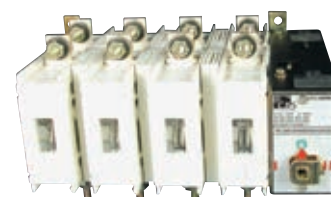
Manual operation. All units 4 pole type.

C/W handle and adjustable shaft. With centre off position on all switches.

Commoning link on load side fitted as standard. Suitable for utilisation category AC22A.

Padlockable in ON and OFF position. Compact design.

Part no.	Description	Rated current at AC22A	Rated operating voltage	Rated short circ. making capacity	Price \$
CSCS 125	4 pole changeover switch	125	690	10	1,047.48
CSCS 160	4 pole changeover switch	160	690	10	1,181.80
CSCS 200	4 pole changeover switch	200	690	30	1,308.22
CSCS 250	4 pole changeover switch	250	690	30	1,868.08
CSCS 315	4 pole changeover switch	315	690	30	1,959.51
CSCS 400	4 pole changeover switch	400	690	40	2,829.78
CSCS 630	4 pole changeover switch	630	690	50	3,268.86
CSCS 800	4 pole changeover switch	800	690	50	4,564.67
CSCS 1000	4 pole changeover switch	1000	690	50	7,315.43
CSCS 1250	4 pole changeover switch	1250	690	50	10,361.93
CSCS 1600	4 pole changeover switch	1600	690	50	14,284.33
CSCS 1800	4 pole changeover switch	1800	690	50	19,222.61
CSCS ZX17	Changeover switch aux contact 2 N/O 2 N/C for 400 to 1800A units				233.54



CSCS 200

Automatic Motorised Transfer Switch Assemblies

Price includes handle and commoning bars

All units are pre-wired to terminal strips

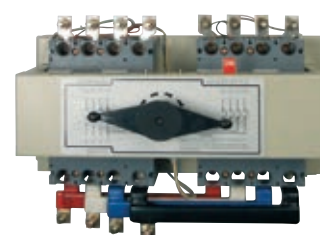
Part no	A range	kA rating	No of poles	Price \$
BTS 250 3/3 #	125 - 250	35	3P / 3P	2,392.16
BTS 250 3/4	125 - 250	35	3P / 4P	3,012.69
BTS 250 4/4	125 - 250	35	4P / 4P	3,116.82
BTS 400 3/3 #	250 - 400	50	3P / 3P	3,720.59
BTS 400 3/4	250 - 400	50	3P / 4P	4,675.23
BTS 400 4/4	250 - 400	50	4P / 4P	4,846.63
BTS 800 3/3 #	500 - 800	50	3P / 3P	6,059.13
BTS 800 3/4	500 - 800	50	3P / 4P	6,341.32
BTS 800 4/4	500 - 800	50	4P / 4P	6,470.00
BTS 1000 3/3 #	1000 - 1000	50	3P / 3P	10,154.24
BTS 1000 3/4	1000 - 1000	50	3P / 4P	10,325.81
BTS 1000 4/4	1000 - 1000	50	4P / 4P	11,330.39
BTS 1200 3/3 #	1000 - 1200	50	3P / 3P	9,536.81
BTS 1200 3/4	1000 - 1200	50	3P / 4P	10,650.89
BTS 1200 4/4	1000 - 1200	50	4P / 4P	12,088.91
KU-AT522	Logic control panel			922.00
KU-HU150-22	Harness cable			169.31

For longer harness please call

Units available using electronic MCCB'S

NOTE - All transfer switches are supplied fitted, wired, tested & commissioned before despatch

BRIDEX



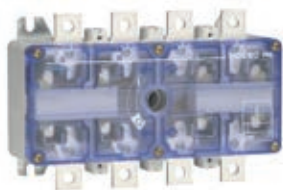
BTS 400 4/4



KU-AT522



KU-HU150

EAT•N**NEW**

1814410



1050242



1818069



1314230



1314736

Dumeco Range of Load Break Switches & Accessories

The Dumeco range of load break switches are available from 160 to 2000A in 3 and 4 pole Safe operation with visible contact separation.

Add on auxiliaries for remote indication. Shallow design to fit in low depth and compact spaces 690VAC / 440VDC, KEMA certified. Complies to IEC 60947-3

Utilization category AC21A, AC22A and AC23A. Please enquire for larger units

Handles and shafts need to be ordered separately.

3 & 4 Pole Units

Part no.	Description	AC-23A (A) at 415V	kA rating	Suits shaft x-section mm	Price \$
1814178	3P 160A Load Break Switch	160	8kA for 0.2sec	6x6	369.41
1814408	3P 250A Load Break Switch	250	10kA for 0.2sec	10x10	529.28
1814411	3P 400A Load Break Switch	400	12kA for 0.3sec	10x10	774.11
1814442	3P 630A Load Break Switch	630	28kA for 0.2sec	14x14	957.75
1814445	3P 1000A Load Break Switch	1000	36kA for 0.3sec	14x14	1,980.31
1814590	3P 1250A Load Break Switch	1250	50kA for 1sec	14x14	4,451.73
1814595	3P 1600A Load Break Switch	1600	50kA for 1sec	14x14	5,842.98
1814065	3P 2000A Load Break Switch	2000	50kA for 1sec	14x14	6,135.35
1814179	4P 160A Load Break Switch	160	8kA for 0.2sec	6x6	575.00
1814410	4P 250A Load Break Switch	250	10kA for 0.2sec	10x10	648.10
1814413	4P 400A Load Break Switch	400	12kA for 0.3sec	10x10	931.82
1814444	4P 630A Load Break Switch	630	28kA for 0.2sec	14x14	1,188.18
1814447	4P 1000A Load Break Switch	1000	36kA for 0.3sec	14x14	2,278.43
1814592	4P 1250A Load Break Switch	1250	50kA for 1sec	14x14	5,047.98
1814597	4P 1600A Load Break Switch	1600	50kA for 1sec	14x14	6,761.85

Accessories to suit Dumeco Load Break Switches

Part no.	Description	Price \$
1314692	Extension shaft, 172mm long 6 x 6 to suit 160A switch	24.48
1050242	Extension shaft 270mm long 10 x 10 to suit 250/400A switch	99.59
1050246	Extension shaft 300mm long 14 x 14 to suit 630/1000A switch	104.56
1050249	Extension shaft 280mm long 14 x 14 to suit 1250/1600/2000A switch	206.97
1818034	Handle to suit 160A switch (IP65)	181.47
1818069	Handle to suit 250/400A switch (IP65)	236.62
1818058	Handle to suit 630/1000A switch (IP65)	394.61
1818064	Handle to suit 1250/1600/2000A switch (IP65)	533.30
1314230	Terminal shroud to suit 3+4P, 160A switch. 1 piece (not a set)	60.19
1314735	Terminal shroud to suit 3+4P, 250A & 400A switch. 1 piece (not a set)	59.34
1314830	Terminal shroud to suit 3+4P, 630A & 1000A switch. 1 piece (not a set)	78.63
1314398	Auxiliary kit 1N/O 1N/C to suit 160A load break switch	60.13
1314736	Auxiliary kit 1N/O & 1N/C to suit 250 - 2000A load break switch	74.80



NEW



DUMECO CHANGEOVER ASSEMBLY

Changeover Mechanisms

To make up a 3 pole 160A to 1000A changeover switch, these parts are required -

- 2 x load break switches,
- 1 x changeover mechanism with position indicator 1-0-2
- 1 x changeover shaft
- 1 x changeover type handle (IP65)

To make up a 3 pole 1250A to 2000A changeover switch, these parts are required -

- 2 x load break switches
- 1 x changeover mechanism with position indicator 1-0-2
- 2 x changeover shafts
- 2 x changeover handles (IP65)

For multi pole changeover mechanisms , please enquire

Part no.	Description	Price \$
1314314	Changeover mechanism to suit 160A application	620.73
1314884	Changeover mechanism to suit 250/400A application	1036.96
1314682	Changeover mechanism to suit 630/1000A application	1414.29
1314336	Changeover mechanism to suit 1250/2000A application	2361.97
1314322	Extension shaft to suit 160A application	24.48
1050252	Extension shaft to suit 250/400A application	100.51
1050253	Extension shaft to suit 630/1000A application	105.13
1050255	Extension shaft to suit 1250 - 2000A application	168.50
1818072	Handle to suit 160A application (IP65)	244.11
1818115	Handle to suit 250/400A application (IP65)	184.01
1818075	Handle to suit 630/1000A application (IP65)	454.75
1818077	Handle to suit 1250 to 2000A application (IP65)	570.52
1314398	Auxiliary kit 1N/O 1N/C to suit 160A load break switch	60.13
1314736	Auxiliary kit 1N/O & 1N/C to suit 250 - 2000A load break switch	74.80

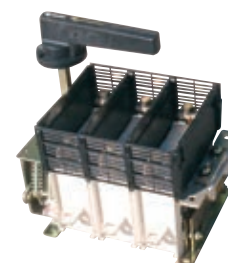
For a comprehensive tech data sheet and dimensions for mounting please contact your distributor

Fuse Switches

c/w handle and shaft

Part no.	Description	Price \$
CSSF32G1	32A 3 pole	357.81
CSSF63G1	63A 3 pole	495.63
CSSF100G1	100A 3 pole	681.37
CSSF200B3	200A 3 pole	1,110.18
CSSF315B3	315A 3 pole	1,382.72
CSSF400B3	400A 3 pole	1,680.71
CSSF630B3	630A 3 pole	2,403.11
CSSF800B3	800A 3 pole	2,583.71

For fuses to suit CSS... fuse switches, refer page 211

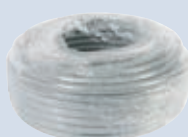


CSSF100G1

Related products:



Weatherproof Isolators
p.273



Corrugated Conduit
p.309



Installation Contactors
p.270



IEC Outlets
p.299



HSB22W



HSB22FW



NHR17-160



NHG00-160



NS FUSES



3AG & M205 GLASS FUSES



FH4



FH872

Service Fuses

Back wired. 100A Rated.

Part no.	Description	Price \$
HSB22W	100A back wired service fuse. For Victorian use	37.47
HSBBW	100A back wired service fuse. For NSW use	42.50
100LR85	Fuse to suit HSBBW	24.49

* Please enquire for fuse links to suit

Fuse Switch Disconnectors

Fully shrouded. IP20. Suits industrial & general applications. Surface mount. Suit Din type fuse links.

Part no.	A rating	Poles	Price \$
NHR17-160	160	3	209.95
NHR17-250	250	3	375.08
NHR17-400	400	3	743.85

Din "NHG" Fuse Links

To suit NHR17 fuse switch disconnectors.

Part no.	A rating	Price \$	Part no.	A rating	Price \$
NHG00-006	6	20.54	NHG00-080	80	27.82
NHG00-010	10	20.54	NHG00-100	100	27.82
NHG00-016	16	20.54	NHG00-125	125	35.22
NHG00-020	20	20.54	NHG00-160	160	35.22
NHG00-025	25	20.54	NHG1-200	200	40.92
NHG00-032	32	20.54	NHG1-250	250	40.92
NHG00-040	40	20.54	NHG2-315	315	60.50
NHG00-050	50	20.54	NHG2-355	355	60.50
NHG00-063	63	20.54	NHG2-400	400	60.50

HRC Type Fuse Links 415V

Compact clip-in for industrial & general applications

NS - 80kA, 415VAC / 40kA, 240VDC ES - 80kA, 440VAC

Part no.	A rating	Overall Length mm	Price \$
NSD2	2	62	9.03
NSD4	4	62	9.03
NSD6	6	62	9.03
NSD10	10	62	9.03
NSD16	16	62	9.03
NSD20	20	62	12.53
NSD25	25	62	12.53
NSD32	32	62	12.53
NSD10M16	10M16	62	10.16
NSD16M20	16M20	62	10.16
NSD20M25	20M25	62	13.49
NSD20M32	20M32	62	13.49
NSD25M32	25M32	62	13.49
NSD32M40	32M40	62	21.22
ESD40	40	69	29.80
ESD50	50	69	29.80
ESD63	63	69	31.04
ESD63M80	63M80	69	34.37

Glass Fuses And Fuse Holders

Fast Acting Glass Fuses, Fuse holders and Clips

Part no.	Description	Pack Qty	Price \$
3AG**A	0.25" x 1.25" Glass Fuse 100mA to 35A	10	4.46
M205**A	5mm x 20mm Glass Fuse 100mA to 20A	10	4.46
FH52	3AG Panel Mount Fuseholder Phillips Head Knob	1	7.17
FH4	3AG In Line Fuseholder with Tails Low Voltage	1	1.92
FH872	M205 Panel Mount Fuseholder Knurled Knob	1	3.78
FH1376	3AG Chassis Mount Fuseholder	1	3.95
LF8	3AG Panel Mount Fuseholder Knurled Knob	1	7.17
LS1	3AG Panel Mount Fuseholder Screwdriver Slot	1	7.17
PC886	3AG PC Mount Fuse Clips	10	3.84
SZ-2016	3AG 20A Heavy duty fuse holder with tails	1	3.05

** Specify Amp Rating

LV Fuse Fittings

To suit NS & ES type fuses, colour black.

H = front connected, P = back connected, 2 stud, BW = back wired, BHA = busbar mounted.

Part no.	A rating	Assoc. HRC Fuse Link	Price \$
32NNF	32	NS	23.65
32NNSFBS	32	NS	48.25
SC32P	32	NS	42.22
SC32BW	32	NS	23.87
SC32BHA	32	NS	50.34
SC63H-D	63	ES	55.59

* Please enquire for white LV fuse fittings. * Please enquire for red spot fuse fittings.

10 x 38mm Fuse Carrier Din Mount

Part no.	Description	Price \$
TFBR-321	1 Pole fuse carrier	10.16
TFBR-323	3 Pole fuse carrier	27.09

10 x 38mm Fuses

Part no	10 x 38mm (gG) Fuses	Pack size	Price \$ ea
C10G 0.5	Cartridge 10.3x38mm gG Fuse 500V 500mA	10	7.57
C10G 1	Cartridge 10.3x38mm gG Fuse 500V 1A	10	7.57
C10G 2	Cartridge 10.3x38mm gG Fuse 500V 2A	10	7.57
C10G 4	Cartridge 10.3x38mm gG Fuse 500V 4A	10	7.57
C10G 6	Cartridge 10.3x38mm gG Fuse 500V 6A	10	7.57
C10G 8	Cartridge 10.3x38mm gG Fuse 500V 8A	10	7.57
C10G 10	Cartridge 10.3x38mm gG Fuse 500V 10A	10	7.57
C10G 12	Cartridge 10.3x38mm gG Fuse 500V 12A	10	7.57
C10G 16	Cartridge 10.3x38mm gG Fuse 500V 16A	10	7.57
C10G 20	Cartridge 10.3x38mm gG Fuse 500V 20A	10	7.57
C10G 25	Cartridge 10.3x38mm gG Fuse 500V 25A	10	7.57
C10G 32	Cartridge 10.3x38mm gG Fuse 400V 32A	10	7.57

HRC BS Type Fuse Links

Suits CSSF fuse switches. 80kA @ 660VAC.

Part no.	A rating	Fixing Centres mm	Price \$
TCP80	80	94	68.68
TCP100	100	94	68.68
TCP100M125	100M125	94	70.26
TCP100M160	100M160	94	73.93
TCP100M200	100M200	94	101.42
TFP125	125	94	94.02
TFP160	160	94	99.78
TFP200	200	94	103.00
TKF250	250	111	165.14
TKF315	315	111	182.86
TKF315M355	315M355	111	202.05
TMF355	355	111	222.42
TMF400	400	111	240.37
TMF400M450	400M450	111	255.04
TM355	355	133/184	237.04
TM400	400	133/184	258.26
TM400M450	400M450	133/184	274.62
TTM450	450	133/184	353.19
TTM500	500	133/184	406.58
TTM560	560	133/184	433.33
TTM630	630	133/184	500.94
TLM670	670	133/184	574.14
TLM710	710	133/184	632.44
TLM750	750	133/184	715.63
TLM800	800	133/184	674.94

eureka



32NNF

TEND



TFBR-321

TFBR-323



C10G 20



TCP100

CIRCUTOR & METERING PRODUCTS

Multi function power meters	213
Compact current transformers.....	213
Kilowatt power meters.....	213
Rishabh panel meters.....	214
Rishabh current transformers	216
Circutor current transformers.....	219



Circutor Multi Function Power Meters and Compact MC3 Current Transformers

Circutor Multi Function Power Meters and Compact Current Transformers are easily fitted to the Eureka distribution board and enclosure system with purpose made links and shrouds. Refer p.38. The Circutor range of Multi function meters have been established in the Australian market for many years.

With features which include -

Modbus, Bacnet and Lonworks protocol available on separate meters

52.5mm width & Din mount. Can be mounted to the front panel with the addition of 72mm front adaptor

Class 0.5 operation

Nominal voltage 300Vac (Ph - N) 520Vac (Ph - Ph)

RS485 communication

2 x transistor outputs

Consumption 3vA

Dimension - 52.5mm x 85mm x 67.9mm (3 modules)

Sealable

Please call your distributor for a detailed spec sheet which includes all technical data

Part no.	Description	Price \$
M52021	CVM-MINI-ITF485 Circutor MFM Din mount suits standard 5A secondary C.T.s. Modbus protocol	1,173.90
M52081	CVM-MINI-MC-ITF-485 Circutor MFM Din Mount suits MC3-... 250mA Compact CT. Modbus protocol	1,173.00
M520F1	CVM-MINI-ITF-BACNET Circutor MFM Din Mount suits standard 5A secondary C.T.s. Bacnet protocol	1,523.81
M520H1	CVM-MINI-MC-ITF-BACNET Circutor MFM Din Mount suits MC3-... 250mA Compact CT Bacnet protocol	1,523.81
M52091	CVM-MINI-ITF-LONWORKS Circutor MFM Din Mount suits standard 5A secondary C.T.s. Lonworks protocol	1,173.90
M55911	CVM-C10-ITF-485 Circutor MFM 96x96mm Panel mount. Modbus protocol	1,151.32
M55921	CVM-C10-ITF-485 Circutor MFM 96x96mm Panel mount suits MC3-... 250mA Compact CT. Modbus protocol	1,151.32
<i>Compact Current Transformers and Panel Mount Accessories</i>		
M73123	MC3-250 Circutor 250A CT to suit CVM-MINI 250mA Secondary	340.88
M73122	MC3-125 Circutor 125A CT to suit CVM-MINI 250mA Secondary	340.88
M73121	MC3-63 Circutor 63A CT to suit CVM-MINI 250mA Secondary	340.88
M5ZZF1	72mm x 72mm front panel mount adaptor to suit din mount CVM MINI	40.85

Kilowatt Hour Meters

Integral CT's from 20 to 80A. In-built fuses. 240V class 1 accuracy.

Pulse output with LED indication. 6 digit electro mechanical display.

Part no.	Description	Price \$
SPKWH	1ø din mount kwh meter, direct connect	250.58
TPKWH	3ø din mount kwh meter, direct connect	437.96
SPKWH-100D	1ø din mount kwh meter, direct connect digital	309.28
TPKWH-100D	3ø din mount kwh meter, direct connect digital	494.39
TPKWH-5CT-D	3ø din mount kwh meter, CT operated digital	523.74

1 Module Kilowatt Hour Meter

Part no.	Description	Price \$
KWHM/1	Din mount 1 module single phase kilowatt hour meter Rated frequency 50hZ Maximum 30A. Complied with IEC std.	155.82

NEW



M52021



M52021 & M55921



M73123



M73122



M73121

Eureka



SPKWH



TPKWH



KWHM/1



SPKWH-100D



TPKWH-100D



**MAXIMUM DEMAND
METERS**



EUR-DP8-AA



BE72-HZ

Maximum Demand Meters

72mm and 96mm Analogue meters
15min time delay as standard
5A CT operation
AC current measuring
72mm Power consumption <2.5vA
96mm Power consumption <3.4vA
1.2 times over current

Part no.	Description	Price \$
BM72-5A-15M	72mm 5A ct operation - select scale from list below	197.53
BM96-5A-15M	96mm 5A ct operation - select scale from list below	197.53

Scales to suit Maximum demand meters. Insert 72 or 96 in place of (...) to determine scale required
Scale to suit primary CT ratio. I.e: For a BM72 using RCT2/300 choose scale BM72-SCALE-300A

Part no.	Description	Price \$
BM(...)-SCALE-30A	30 Amp scale	4.52
BM(...)-SCALE-50A	50 Amp scale	4.52
BM(...)-SCALE-100A	100 Amp scale	4.52
BM(...)-SCALE-150A	150 Amp scale	4.52
BM(...)-SCALE-200A	200 Amp scale	4.52
BM(...)-SCALE-300A	300 Amp scale	4.52
BM(...)-SCALE-400A	400 Amp scale	4.52
BM(...)-SCALE-500A	500 Amp scale	4.52
BM(...)-SCALE-600A	600 Amp scale	4.52
BM(...)-SCALE-750A	750 Amp scale	4.52
BM(...)-SCALE-800A	800 Amp scale	4.52
BM(...)-SCALE-1000A	1000 Amp scale	4.52
BM(...)-SCALE-1250A	1250 Amp scale	4.52
BM(...)-SCALE-1500A	1500 Amp scale	4.52
BM(...)-SCALE-2000A	2000 Amp scale	4.52

Ammeters Direct Connect

Part no.	Amps	Size	Price \$
BE72DC10A	0 - 10 DC	72 x 72mm	86.69
BE72DC20A	0 - 20 DC	72 x 72mm	86.69
BE72DC30A	0 - 30 DC	72 x 72mm	86.69
BE72DC50A	0 - 50 DC	72 x 72mm	86.69
BE72DC80A	0 - 80 DC	72 x 72mm	86.69
SHUNT80ADC	50mV Shunt to suit 80A DC Ammeter		51.92
BE72A5	0 - 5	72 X 72mm	53.95
BE72A10	0 - 10	72 X 72mm	53.95
BE72A25	0 - 25	72 x 72mm	53.95
BE72A30	0 - 30	72 x 72mm	53.95
BE96A5	0 - 5	96 x 96mm	55.99
BE96A10	0 - 10	96 x 96mm	55.99
BE96A25	0 - 25	96 x 96mm	55.99

Ammeters 5 Amp CT Operated

Part no.	Amps	Size	Price \$
BE72A5CT	5	72 x 72mm	49.10
BE72A(SCALE)	Scale to suit		4.91
BE96A5CT	5	96 x 96mm	52.37
BE96A(SCALE)	Scale to suit		4.97
EUR-DP8-AA	48x48mm Digital Ammeter, 5A CT required		232.47
EUR-DP7-AA	72x72mm Digital Ammeter, 5A CT required		232.47

CT operated ammeter scales are the same as CT ratios

Frequency Meter Pointer Type

Part no.	Frequency	Size	Price \$
BE72-HZ	44 - 55Hz 240VAC	72 x 72mm	224.23
BE96-HZ	44 - 55Hz 240VAC	96 x 96mm	245.28

Meter hole cut out sizes - 72 x 72mm - cut out 68 x 68mm, 96 x 96mm - cut out 90 x 90mm

Accuracy	Class 1.5%
Working position	Vertical
Rated voltage	110V, 220V, 380V & 500V
Limit of voltage fluctuation	± 20%
Consumption	Max 15mA

Voltmeters

Part no.	Voltage	Size	Price \$
BE7215VDC	0 - 15 VDC	72 x 72mm	86.69
BE7230VDC	0 - 30 VDC	72 x 72mm	86.69
BE72300VDC	0 - 300 VDC	72 x 72mm	86.69
BE72V300	0 - 300	72 x 72mm	57.06
BE72V500	0 - 500	72 x 72mm	63.55
BE96V300	0 - 300	96 x 96mm	60.05
BE96V500	0 - 500	96 X 96mm	65.30
EUR-DP8-AV	48x48mm Digital Voltmeter, 600V AC		232.47
EUR-DP7-AV	72x72mm Digital Voltmeter, 600V AC		232.47

Selector Switch Meters

72mm and 96mm selector switch meters.

Voltmeters and ammeters available.

Come with built in selector switch to view values on one meter, eliminating the need for a meter for each phase.

Voltmeter power consumption <4.5VA

Ammeter power consumption <0.5VA

Part no.	Description	Price \$
EQ SWT72-300V	72mm 300VAC 6 position voltmeter L1-L3, L2-L3, L1-L2, L1-N, L2-N, L3-N	214.46
EQ SWT72-500V-6	72mm 500VAC 6 position voltmeter L1-L3, L2-L3, L1-L2, L1-N, L2-N, L3-N	214.46
EQ SWT72-500V-7	72mm 500VAC 7 position voltmeter L1-L3, L2-L3, L1-L2, L1-N, L2-N, L3-N, OFF	214.46
EQ SWT96-300V	96mm 300VAC 6 position voltmeter L1-L3, L2-L3, L1-L2, L1-N, L2-N, L3-N	214.46
EQ SWT96-500V-6	96mm 500VAC 6 position voltmeter L1-L3, L2-L3, L1-L2, L1-N, L2-N, L3-N	214.46
EQ SWT96-500V-7	96mm 500VAC 7 position voltmeter L1-L3, L2-L3, L1-L2, L1-N, L2-N, L3-N, OFF	214.46
EQ SWT72-5A-4	72mm ammeter 5A ct, 4 position L1, L2, L3, OFF. Select scale from list below	214.46
EQ SWT96-5A-5	96mm ammeter 5A ct, 4 position L1, L2, L3, OFF. Select scale from list below	214.46

Scales to suit EQ SWT Meters with Selector Switches

Scales to suit selector switch ammeters. Insert 72 or 96 in place of (...) to determine scale required

Scale to suit primary CT ratio. I.e: For a EQ SWT72 using RCT2/300 choose scale

EQSWT72-SCALE-300A

Part no.	Description	Price \$
EQSWT(...)-SCALE-30A	30 Amp scale	4.52
EQSWT(...)-SCALE-50A	50 Amp scale	4.52
EQSWT(...)-SCALE-100A	100 Amp scale	4.52
EQSWT(...)-SCALE-150A	150 Amp scale	4.52
EQSWT(...)-SCALE-200A	200 Amp scale	4.52
EQSWT(...)-SCALE-300A	300 Amp scale	4.52
EQSWT(...)-SCALE-400A	400 Amp scale	4.52
EQSWT(...)-SCALE-500A	500 Amp scale	4.52
EQSWT(...)-SCALE-600A	600 Amp scale	4.52
EQSWT(...)-SCALE-750A	750 Amp scale	4.52
EQSWT(...)-SCALE-800A	800 Amp scale	4.52
EQSWT(...)-SCALE-1000A	1000 Amp scale	4.52
EQSWT(...)-SCALE-1250A	1250 Amp scale	4.52
EQSWT(...)-SCALE-1500A	1500 Amp scale	4.52
EQSWT(...)-SCALE-2000A	2000 Amp scale	4.52



BE72V500



BE72A30



EQ SWT72



EQSWT SCALE

Connecting Current Transformers

Current transformers are polarised and must be fitted the correct way round.

CTs are marked with P1 and P2 to indicate which way they should be fitted around the cable or busbar. The side marked P1 must point towards the generator, and P2 must point towards the load. If an arrow is printed on the CT it must point towards the load. The CT outputs - 'secondaries' - must be connected to the meter the correct way round.

All current transformers are supplied with secondary terminals marked S1 and S2 which must be connected to the correct terminals on the meter. The meter will not register correctly if any of the CTs are connected incorrectly.

The S1 terminal must be connected to the 'current in' terminal for the appropriate phase on the meter. On PRI meters the 'current in' terminals are the left-hand ones in each pair of current terminals.

The S2 terminal should be connected to the 'current out' terminal for the appropriate phase on the meter.

On PRI meters the 'current out' terminals are the right-hand ones in each pair of current terminals.

(See Figure 1 right).

The CTs must be connected to the correct phase inputs on the meter. The meter will not register correctly if the CT for L1 is connected to the inputs for L3 current, for example.

For wound-primary CTs the section of the conductor nearest the generator is connected to the P1 terminal. The P2 terminal takes the section of the conductor leading to the load. Note that these terminals are at mains potential.

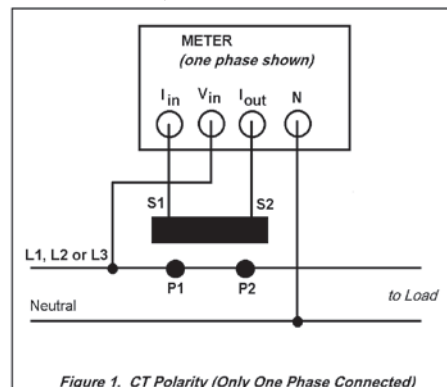


Figure 1. CT Polarity (Only One Phase Connected)

Solid core units

Manufactured to IEC-60044-1, Flame retardant classification UL 94V-O and CE approved Class accuracy 0.5 and 1. Sealable terminal cover as standard. Solid or split core Mounting options, - cable, bus bar or din mount. All C.T.S with 5A secondary connection. Single turn primary. Tested insulation : 3kV/1 min 50Hz



RCT1/100



RCT3/300

Part no.	Ratio Amps	Class 0.5 VA	Class 1 VA	Price \$
RCT1/30	30/05		1	26.02
RCT1/40	40/5		1	26.02
RCT1/50	50/5		1.5	26.02
RCT1/60	60/5		1.5	26.02
RCT1/75	75/5		1.5	26.02
RCT1/80	80/5		2	26.02
RCT1/100	100/5	1.5	2.5	26.02
RCT1/120	120/5	2.5	3.75	26.02
RCT1/125	125/5	2.5	3.75	26.02
RCT1/150	150/5	3.75	5	26.02
RCT2/200	200/5	3.75	5	26.02
RCT2/250	250/5	5	7.5	26.02
RCT2/300	300/5	5	7.5	26.02
RCT3/300	300/5	5	7.5	60.73
RCT3/400	400/5	10	12.5	60.73
RCT3/500	500/5	10	12.5	60.73
RCT3/600	600/5	15	15	60.73
RCT4/600	600/5	7.5	12.5	93.97
RCT4/750	750/5	10	15	93.97
RCT4/800	800/5	10	15	93.97
RCT4/1000	1000/5	20	20	93.97
RCT4/1200	1200/5	20	30	93.97
RCT4/1250	1250/5	20	30	93.97
RCT4/1500	1500/5	20	30	93.97
RCT4/1600	1600/5	20	30	93.97
RCT4/2000	2000/5	20	30	117.95
RCT5/1200	1200/5	15	30	117.95
RCT5/1250	1250/5	15	30	117.95
RCT5/1500	1500/5	20	30	117.95
RCT5/1600	1600/5	20	45	117.95
RCT5/2000	2000/5	45	45	117.95
RCT5/2500	2500/5	45	45	141.04

Rishabh Compact CT's

The compact range of Rishabh ct's are small enough to fit in the smallest spaces.

These are great for space saving and are only available in class 0.5

Dimensions are: 50mm wide x 70mm high x 31mm deep

Part no.	Ratio Amps	Class 0.5 VA	Price \$
CRCT1/100 0.5	100/5	1	26.02
CRCT1/150 0.5	150/5	2.5	26.02
CRCT1/200 0.5	200/5	2.5	26.02
CRCT1/250 0.5	250/5	5	26.02
CRCT1/300 0.5	300/5	5	26.02
CRCT1/500 0.5	500/5	5	26.02

NEW



CRCT1/300 0.5

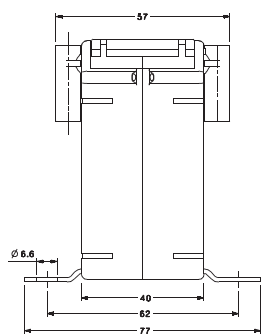
Split core units

Part no.	Ratio Amps	Class 0.5 VA	Class 1 VA	Price \$
RSCT93/100	100/5		1.5	174.96
RSCT93/150	150/5		1.75	174.96
RSCT93/200	200/5		2.5	174.96
RSCT93/250	250/5		3.75	174.96
RSCT93/300	300/5	2.5	5	174.96
RSCT93/400	400/5	3.75	6.25	299.12
RSCT125/500	500/5	3.75	5	299.12
RSCT125/600	600/5	5	7.5	299.12
RSCT125/750	750/5	7.5	10	299.12
RSCT125/800	800/5	7.5	10	299.12
RSCT125/1000	1000/5	10	15	299.12
RSCT125/1250	1250/5	10	15	299.12
RSCT125/1600	1600/5	10	15	299.12
RSCT155/1600	1600/5	20	45	361.20
RSCT155/2000	2000/5	20	45	372.49
RSCT155/2500	2500/5	25	45	406.35
RSCT155/3000	3000/5	30	45	440.21
RSCT195/2500	2500/5	25	30	462.79
RSCT195/3000	3000/5	30	45	496.65
RSCT195/4000	4000/5	30	45	541.80
RSCT195/5000	5000/5	30	45	586.95

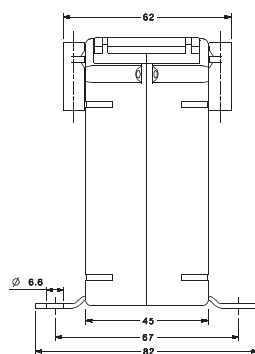
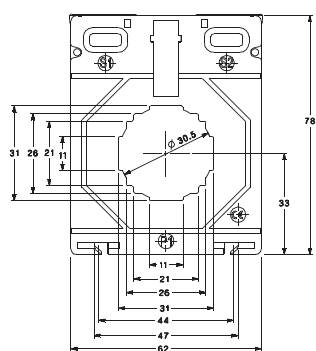


RCT93

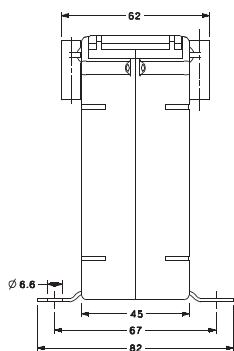
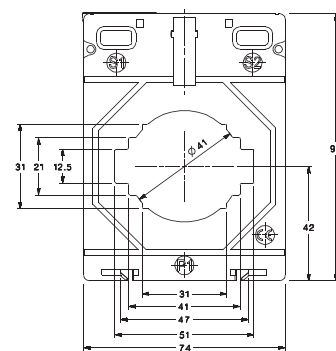
Dimensions to suit Rishabh Current Transformers



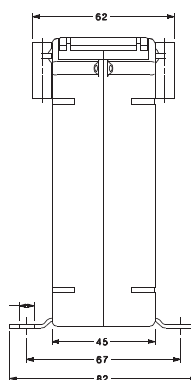
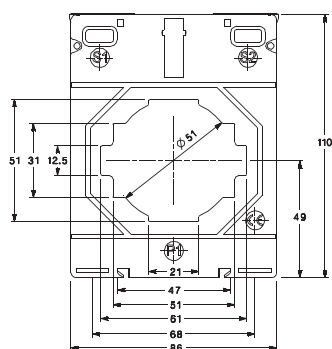
RCT1



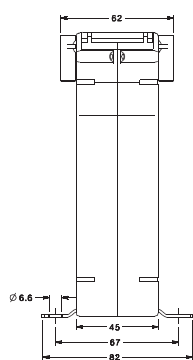
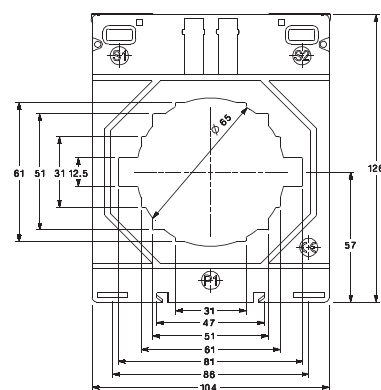
RCT2



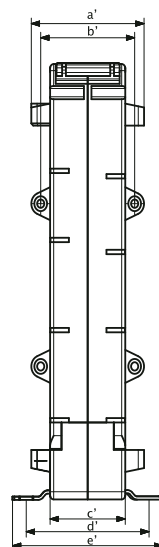
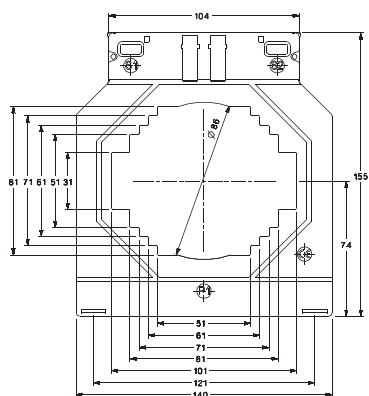
RCT3



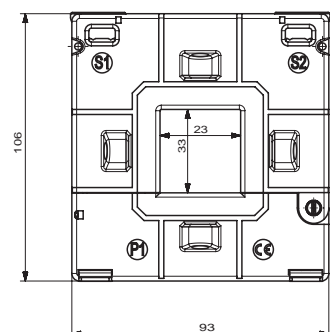
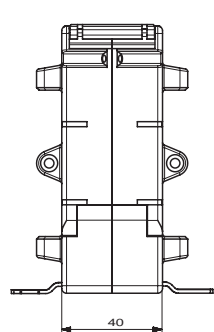
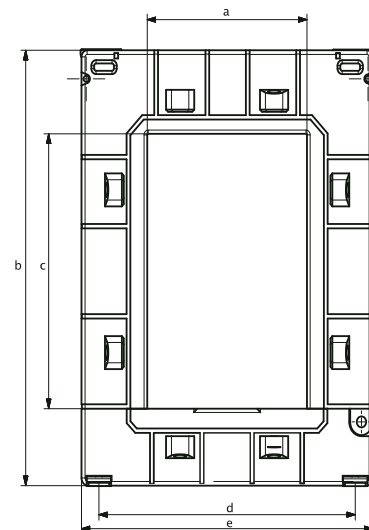
RCT4



RCT5



RSC125/155/195



RSC93

Front View

Model	a	b	c	d	e
125/50SC (40)	50	158	80	106	125
155/80SC (40)	80	198	120	136	155
195/80SC (64)	80	245	160	179	195

Side View

Model	a'	b'	c'	d'	e'
125/50SC (40)	60	50	40	65	80
155/80SC (40)	60	50	40	65	80
195/80SC (64)	84	74	64	80	100

Circutor Split Core Current Transformers

The Circutor range of split CT's are unique in the way they actually split.

To save space, the top of the ct comes away from the base. No more hinging of the split ct like other brands. This allows you to be able to mount your ct's closer together in your panel.

Ideal for existing installations as the ct's can be fitted without the need for complete disassembly of busbars.

Please enquire for dimensions.

Part No.	Description	Ratio Amps	Class 0.5 VA	Class 1 VA	Dimensions mm (h x w x d)	Price \$
M70113	200amp Split CT to suit flat bar 20 x 30mm	200/5	-	1.5	110 x 89 x 58	310.00
M70114	250amp Split CT to suit flat bar 20 x 30mm	250/5	-	2	110 x 89 x 58	310.00
M70115	300amp Split CT to suit flat bar 20 x 30mm	300/5	1.5	4	110 x 89 x 58	310.00
M70116	400amp Split CT to suit flat bar 20 x 30mm	400/5	2.5	6	110 x 89 x 58	310.00
M70122	300amp Split CT to suit flat bar 50 x 80mm	300/5	1.5	3	145 x 114 x 50	350.00
M70123	400amp Split CT to suit flat bar 50 x 80mm	400/5	1.5	3	145 x 114 x 50	350.00
M70124	500amp Split CT to suit flat bar 50 x 80mm	500/5	2.5	5	145 x 114 x 50	350.00
M70125	600amp Split CT to suit flat bar 50 x 80mm	600/5	2.5	5	145 x 114 x 50	350.00
M70126	750amp Split CT to suit flat bar 50 x 80mm	750/5	3	6	145 x 114 x 50	350.00
M70127	800amp Split CT to suit flat bar 50 x 80mm	800/5	3	7	145 x 114 x 50	350.00
M70128	1000amp Split CT to suit flat bar 50 x 80mm	1000/5	5	10	145 x 114 x 50	350.00
M70145	1000amp Split CT to suit flat bar 80 x 120mm	1000/5	5	9	185 x 144 x 50	550.00
M70146	1200amp Split CT to suit flat bar 80 x 120mm	1200/5	6	11	185 x 144 x 50	550.00
M70148	1500amp Split CT to suit flat bar 80 x 120mm	1500/5	8	17	185 x 144 x 50	550.00
M70149	1600amp Split CT to suit flat bar 80 x 120mm	1600/5	8	-	185 x 144 x 50	550.00
M7014A	2500amp Split CT to suit flat bar 80 x 120mm	2500/5	10	17	185 x 144 x 50	650.00
M70155	3000amp Split CT to suit flat bar 80 x 160mm	3000/5	20	25	245 X 184 X 70	1,300.00
M70156	4000amp Split CT to suit flat bar 80 x 160mm	4000/5	20	25	245 X 184 X 70	1,400.00
M70157	5000amp Split CT to suit flat bar 80 x 160mm	5000/5	20	25	245 X 184 X 70	1,500.00
M7015E	6000amp Split CT to suit flat bar 80 x 160mm	6000/5	20	-	245 X 184 X 70	1,500.00



M70116



M70116 OPEN



CONTROL CIRCUIT DEVICES & SWITCHING COMPONENTS

Comepi 22mm control devices.....	221
Indicator lights.....	222
Tend control devices.....	224
Tend monobloc control devices.....	227
Tend pre-assembled control stations.....	227
Plastic Pushbutton enclosures and labels.....	228
Aluminium Pushbutton enclosures.....	228
Legend plates and switchboard labels	228
Lamp test diode blocks.....	229
LED lamps	229
Kraus & Naimer cam switches.....	230
Single & double pole rocker switches.....	232
Compact Indicators & other products.....	233
Foot and palm switches	234
Safety gate hinges.....	234
Hoist Pushbutton switches and labels.....	234
Micro switches	235
Compact limit switches	235
Enclosed limit switches	236
Safety limit switches	236
Compact micro switches.....	236
Limit switches.....	237
Safety pull wire switches	240
Float switches	240
Liquid level controllers	240
Air switches.....	240
Foot switches.....	241
Power pushbutton switches	241
Toggle switches.....	242
Margirius Heavy duty toggle switches.....	242

Light alloy, chromium plated quality product. Rated IP65.

Pilot Lights

Requires separate lamp holder and lamp (Refer page 229 for lamps)

Part no.	Description	Price \$
ECX 1231	Pilot light red	10.55
ECX 1232	Pilot light green	10.55
ECX 1233	Pilot light yellow	9.82
ECX 1234	Pilot light blue	10.55
ECX 1236	Pilot light white	10.55

Direct Connect Pilot Lights

Requires separate lamp (Refer page 229 for lamps)

Part no.	Description	Price \$
ECX 1051	Pilot light red	16.14
ECX 1052	Pilot light green	16.14
ECX 1053	Pilot light yellow	16.14
ECX 1054	Pilot light blue	16.14
ECX 1056	Pilot light white	16.14

Illuminated Pushbuttons

Requires separate lamp holder, contact block and lamp (Refer page 229 for lamps)

Part no.	Description	Price \$
ECX 1201	Illuminated pushbutton red	22.01
ECX 1202	Illuminated pushbutton green	22.01
ECX 1203	Illuminated pushbutton yellow	22.01
ECX 1204	Illuminated pushbutton blue	22.01
ECX 1205	Illuminated pushbutton white	22.01
ECX 1211	Illuminated extruded pushbutton red	18.29
ECX 1212	Illuminated extruded pushbutton green	18.29
ECX 1213	Illuminated extruded pushbutton yellow	18.29
ECX 1221	Illuminated non latching mushroom pushbutton red	26.92
ECX 1226	Illuminated red latching mushroom. Pushbutton twist to release.	37.14

Lamp Holders

Part no.	Description	Price \$
ECX 1050	Lamp holder for 24 / 240v neon	17.27
ECX 1060	Lamp holder for 130 / 240v	47.18
ECX 1071	Lamp holder transformer for 240 / 6.3v	78.90
ECX 1091	Lamp holder transformer for 240 / 6.3v	54.63

Key / Selector Switches

Requires separate contact block Illuminated type also requires lamp holder and lamp.

Part no.	Description	Price \$
ECX 1300	2 position selector switch	30.53
ECX 1320	3 position selector switch	34.48
ECX 1410	Key out in left, 2 position key switch	59.03
ECX 1420	2 position key switch	59.03
ECX 1430	2 position spring return key switch	59.03
ECX 1470	3 position key switch	59.03
ECX 1480	3 position spring return key switch	59.03
ECX 1141	Latching mushroom head key switch	57.96
ECX 1251	Illuminated selector switch 2 position red	27.71
ECX 1252	Illuminated selector switch 2 position green	27.71
ECX 1253	Illuminated selector switch 2 position yellow	27.71
ECX 1254	Illuminated selector switch 2 position blue	27.71
ECX 1255	Illuminated selector switch 2 position clear	27.71
ECX 1261	Illuminated selector switch 3 position red	27.71
ECX 1262	Illuminated selector switch 3 position green	27.71
ECX 1263	Illuminated selector switch 3 position yellow	27.71
ECX 1264	Illuminated selector switch 3 position blue	27.71
ECX 1265	Illuminated selector switch 3 position clear	27.71
G513	Additional key	9.09



ECX 1231



ECX 1051



ECX 1201



ECX 1212



ECX 1221



ECX 1050



ECX 1300



ECX 1420



ECX 1254



ECX 1510



ECX 1511



ECX 1101



ECX 1136



ECX 1032



PL22



AD22-22DFR/230

Joystick

Part no.	Description	Price \$
ECX 1510	2 position momentary c/w 2 N/O auxiliary contacts	107.96
ECX 1511	2 position, position A maintained, position B momentary c/w 2 N/O contacts	100.40

Pushbuttons (Including Emergency Stop Units)

* Requires separate contact block *

Part no.	Description	Price \$
ECX 1131	Latching mushroom head, twist to release	37.19
ECX 1100	Pushbutton black	12.92
ECX 1101	Pushbutton red	12.92
ECX 1102	Pushbutton green	12.92
ECX 1103	Pushbutton yellow	12.92
ECX 1104	Pushbutton blue	12.92
ECX 1136	Latching mushroom emergency stop 60mm head	39.28
ECX 1141	Latching mushroom emergency stop key release	57.96
ECX 1705	Clear protection cap for pushbuttons	5.31

Contact Blocks

Part no.	Description	Price \$
ECX 1031	N/C contact block complete with support base (ECX 1029)	19.19
ECX 1032	N/O contact block complete with support base (ECX 1029)	19.19
ECX 1033	2 N/C contact block complete with support base (ECX 1029)	33.13
ECX 1034	2 N/O contact block complete with support base (ECX 1029)	33.13
ECX 1035	1 N/O 1 N/C contact block complete with support base (ECX 1029)	33.13
ECX 1029	Support base for contact block	5.64
ECX 1030	N/C contact	12.92
ECX 1040	N/O contact	12.92

Economy LED Indicator Lights

24VAC/DC or 240VAC. Also available in 12VAC/DC. Operational temperature -25° to 55° C. Cluster type LED illumination. Red, green, blue, amber, white. Life - 60,000hrs plus. 22mm and 16mm. Insulation resistance > 2 M ohm. IP65

Part no.	Colour	Voltage	Size	Price \$
PL22/24R	red	24VAC/DC	22mm	19.75
PL22/24G	green	24VAC/DC	22mm	19.75
PL22/24B	blue	24VAC/DC	22mm	19.75
PL22/24A	amber	24VAC/DC	22mm	19.75
PL22/24W	white	24VAC/DC	22mm	19.75
PL22/240R	red	240V AC	22mm	24.38
PL22/240G	green	240V AC	22mm	24.38
PL22/240B	blue	240V AC	22mm	24.38
PL22/240A	amber	240V AC	22mm	24.38
PL22/240W	white	240V AC	22mm	24.38

Economy Flashing LED Indicator Lights

24VAC/DC or 240VAC. Cluster type LED illumination. Red, green, blue, amber, white. Life - 100,000hrs plus. 22mm. IP65

Part no.	Colour	Voltage	Size	Price \$
AD22-22DFR/24	red	24VAC/DC	22mm	36.01
AD22-22DFR/230	red	240V AC	22mm	42.55

Economy LED and BA9 indicator lights

12VAC/DC, 24VAC/DC, 110VAC, 240VAC. IP65. Operational temperature -25° to 55° C.
Available in red, amber, green, blue and white

Part no.	Color	Voltage	Lamp type	Mounting Head size	Hole size	Price \$
TN2D2RL	red	240V AC	LED	30mm	22mm	24.38
TN2D2AL	amber	240V AC	LED	30mm	22mm	24.38
TN2D2GL	green	240V AC	LED	30mm	22mm	24.38
TN2D2BLL	blue	240V AC	LED	30mm	22mm	24.38
TN2D2WL	white	240V AC	LED	30mm	22mm	24.38
TN2D7RL	red	24V AC/DC	LED	30mm	22mm	19.75
TN2D7AL	amber	24V AC/DC	LED	30mm	22mm	19.75
TN2D7GL	green	24V AC/DC	LED	30mm	22mm	19.75
TN2D7BLL	blue	24V AC/DC	LED	30mm	22mm	19.75
TN2D7WL	white	24V AC/DC	LED	30mm	22mm	19.75
TN2D9RL	red	12V AC/DC	LED	30mm	22mm	19.75
TN2D9AL	amber	12V AC/DC	LED	30mm	22mm	19.75
TN2D9GL	green	12V AC/DC	LED	30mm	22mm	19.75
TN2D9BLL	blue	12V AC/DC	LED	30mm	22mm	19.75
TN2D9WL	white	12V AC/DC	LED	30mm	22mm	19.75
TN3D2RL	red	240V AC	LED	35mm	30mm	24.38
TN3D2AL	amber	240V AC	LED	35mm	30mm	24.38
TN3D2GL	green	240V AC	LED	35mm	30mm	24.38
TN3D2BLL	blue	240V AC	LED	35mm	30mm	24.38
TN3D2WL	white	240V AC	LED	35mm	30mm	24.38
TN2P1RL	red	110V AC	BA9	30mm	22mm	19.75
TN2P1AL	amber	110V AC	BA9	30mm	22mm	19.75
TN2P1GL	green	110V AC	BA9	30mm	22mm	19.75
TN2P1BLL	blue	110V AC	BA9	30mm	22mm	19.75
TN2P1WL	white	110V AC	BA9	30mm	22mm	19.75
TN2P2RL	red	240V AC	BA9	30mm	22mm	24.38
TN2P2AL	amber	240V AC	BA9	30mm	22mm	24.38
TN2P2GL	green	240V AC	BA9	30mm	22mm	24.38
TN2P2BLL	blue	240V AC	BA9	30mm	22mm	24.38
TN2P2WL	white	240V AC	BA9	30mm	22mm	24.38
TN2P7RL	red	24V AC/DC	BA9	30mm	22mm	19.75
TN2P7AL	amber	24V AC/DC	BA9	30mm	22mm	19.75
TN2P7GL	green	24V AC/DC	BA9	30mm	22mm	19.75
TN2P7BLL	blue	24V AC/DC	BA9	30mm	22mm	19.75
TN2P7WL	white	24V AC/DC	BA9	30mm	22mm	19.75
TN2P9RL	red	12V AC/DC	BA9	30mm	22mm	19.75
TN2P9AL	amber	12V AC/DC	BA9	30mm	22mm	19.75
TN2P9GL	green	12V AC/DC	BA9	30mm	22mm	19.75
TN2P9BLL	blue	12V AC/DC	BA9	30mm	22mm	19.75
TN2P9WL	white	12V AC/DC	BA9	30mm	22mm	19.75



**IMPROVED
& EXPANDED
RANGE**



TN3D2



TN2P



TN2BFR-1B



TN2BFB-1A

**IMPROVED
& EXPANDED
RANGE**



TN2IF2G-L1A



TN2IF2BL-L1A



TN2BT-1AB



TN2BLY-1A



TN2BKR-1B-W



TN2IL2G-L1A



TN2IL7O-L1A

Push Button Raised Latching

Part no.	Description	Price \$
TN2BAB-1A	Raised latching push button - Black c/w 1 N/O contact block	19.55
TN2BAG-1A	Raised latching push button - Green c/w 1 N/O contact block	19.55
TN2BAR-1B	Raised latching push button - Red c/w 1 N/C contact block	19.55
TN2BAY-1A	Raised latching push button - Amber c/w 1 N/O contact block	19.55

Flush Push Button

Part no.	Description	Price \$
TN2BFB-1A	Flush pushbutton - Black c/w 1 N/O contact block	15.20
TN2BFG-1A	Flush pushbutton - Green c/w 1 N/O contact block	15.20
TN2BFR-1B	Flush pushbutton - Red c/w 1 N/C contact block	15.20
TN2BFY-1A	Flush pushbutton - Amber c/w 1 N/O contact block	15.20

LED Illuminated Flush Push buttons

Part no.	Description	Price \$
TN2IF2BL-L1A	240V LED illuminated flush push button - Blue c/w 1 N/O contact	26.80
TN2IF2G-L1A	240V LED illuminated flush push button - Green c/w 1 N/O contact	26.80
TN2IF2O-L1A	240V LED illuminated flush push button - Amber c/w 1 N/O contact	26.80
TN2IF2R-L1B	240V LED illuminated flush push button - Red c/w 1 N/C contact	26.80
TN2IF2W-L1A	240V LED illuminated flush push button - White c/w 1 N/O contact	26.80
TN2IF7BL-L1A	24V LED illuminated flush push button - Blue c/w 1 N/O contact	26.80
TN2IF7G-L1A	24V LED illuminated flush push button - Green c/w 1 N/O contact	26.80
TN2IF7O-L1A	24V LED illuminated flush push button - Amber c/w 1 N/O contact	26.80
TN2IF7R-L1B	24V LED illuminated flush push button - Red c/w 1 N/C contact	26.85
TN2IF7W-L1A	24V LED illuminated flush push button - White c/w 1 N/O contact	26.80

Twin Push buttons

Part no.	Description	Price \$
TN2BT-1AB	Twin button Stop/Start c/w 1 N/O - 1 N/C	33.97
TN2IT2G-L1AB	Twin button 240V LED illum. Stop/Start c/w 1 N/O - 1 N/C	40.33

Emergency Stop Push Buttons

Part no.	Description	Price \$
TN2BKR-1B-W	40mm Red Emergency Stop with White Arrows Twist release 1N/C	25.15
TN2BPR-1B	40mm Red Emergency Stop push/pull release c/w 1 N/C	29.72
TN2KR22-1AB	Emergency Stop key operated 1N/O - 1 N/C	

Raised Push Buttons

Part no.	Description	Price \$
TN2BLB-1A	Raised Pushbutton - Black c/w 1 N/O contact	16.25
TN2BLG-1A	Raised pushbutton - Green c/w 1 N/O contact	16.25
TN2BLR-1B	Raised pushbutton - Red c/w 1 N/C contact	16.25
TN2BLY-1A	Raised pushbutton - Amber c/w 1 N/O contact	16.25

Illuminated Raised Push Buttons

Part no.	Description	Price \$
TN2IL2BL-L1A	240V LED illuminated raised push button - Blue c/w 1 N/O contact	28.30
TN2IL2G-L1A	240V LED illuminated raised push button - Green c/w 1 N/O contact	28.30
TN2IL2O-L1A	240V LED illuminated raised push button - Amber c/w 1 N/O contact	28.30
TN2IL2R-L1B	240V LED illuminated raised push button - Red c/w 1 N/C contact	28.30
TN2IL2W-L1A	240V LED illuminated raised push button - White c/w 1 N/O contact	28.30
TN2IL7BL-L1A	24V LED illuminated raised push button - Blue c/w 1 N/O contact	26.47
TN2IL7G-L1A	24V LED illuminated raised push button - Green c/w 1 N/O contact	26.47
TN2IL7O-L1A	24V LED illuminated raised push button - Amber c/w 1 N/O contact	26.47
TN2IL7R-L1B	24V LED illuminated raised push button - Red c/w 1 N/C contact	26.47
TN2IL7W-L1A	24V LED illuminated raised push button - White c/w 1 N/O contact	26.47

Mushroom Head Push buttons

Part no.	Description	Price \$
TN2BMB-1A	Mushroom head - Black c/w 1 N/O contact	21.60
TN2BMG-1A	Mushroom head - Green c/w 1 N/O contact	21.60
TN2BMR-1B	Mushroom head - Red c/w 1 N/C contact	21.60
TN2BMY-1A	Mushroom head - Amber c/w 1 N/O contact	21.60

Illuminated Mushroom Head Push Buttons

Part no.	Description	Price \$
TN2IM2BL-L1A	240V LED illuminated mushroom push button - Blue c/w 1 N/O contact	31.00
TN2IM2G-L1A	240V LED illuminated mushroom push button - Green c/w 1 N/O contact	31.00
TN2IM2O-L1A	240V LED illuminated mushroom push button - Amber c/w 1 N/O contact	31.00
TN2IM2R-L1B	240V LED illuminated mushroom push button - Red c/w 1 N/C contact	31.00
TN2IM2W-L1A	240V LED illuminated mushroom push button - White c/w 1 N/O contact	31.00
TN2IM7BL-L1A	24V AC/DC LED illuminated mushroom push button - Blue c/w 1 N/O contact	29.00
TN2IM7G-L1A	24V AC/DC LED illuminated mushroom push button - Green c/w 1 N/O contact	29.00
TN2IM7O-L1A	24V AC/DC LED illuminated mushroom push button - Amber c/w 1 N/O contact	29.00
TN2IM7R-L1B	24V AC/DC LED illuminated mushroom push button - Red c/w 1 N/C contact	29.00
TN2IM7W-L1A	24V AC/DC LED illuminated mushroom push button - White c/w 1 N/O contact	29.00

Selector switches

Part no.	Description	Price \$
TN2SH2B-1A	2 position long lever selector - Black c/w 1 N/O contact	22.68
TN2SH2G-1A	2 position long lever selector - Green c/w 1 N/O contact	21.60
TN2SH2R-1A	2 position long lever selector - Red c/w 1 N/O contact	21.60
TN2SH3B-1A	2 position spring return long selector - Black c/w 1 N/O contact	23.36
TN2SH3G-1A	2 position spring return long selector - Green c/w 1 N/O contact	22.25
TN2SH3R-1A	2 position spring return long selector - Red c/w 1 N/O contact	22.25
TN2SH4B-1C	3 position long lever selector - Black c/w 2 N/O contacts	24.42
TN2SH4G-1C	3 position long lever selector - Green c/w 2 N/O contacts	23.25
TN2SH4R-1C	3 position long lever selector - Red c/w 2 N/O contacts	23.25
TN2SH7B-1C	3 position spring return selector - Black c/w 2 N/O contacts	25.15
TN2SS2B-1A	2 position short lever selector - Black c/w 1 N/O contact	21.95
TN2SS2G-1A	2 position short lever selector - Green c/w 1 N/O contact	20.90
TN2SS2R-1A	2 position short lever selector - Red c/w 1 N/O contact	20.90
TN2SS3B-1A	2 pos.spring return selector - Black c/w 1 N/O contact	21.60
TN2SS4B-1C	3 position short lever selector black c/w 2 N/O contacts	23.73
TN2SS4G-1C	3 position short lever selector - Green c/w 2 N/O contacts	21.11
TN2SS4R-1C	3 position short lever selector - Red c/w 2 N/O contacts	21.11
TN2SS7B-1C	3 pos spring return short lever selector c/w 2 N/O contacts	26.45
TN2KS75-1AA	3 position spring return key switch 2 N/O contacts	37.75
TN2KS75-1AB	3 position key switch spring return 1A1B contacts	42.31



TN2BMR-1B



TN2IM2G-L1A



TN2SH2B-1A



TN2SS2G-1A



TN2SS2B-1A



TN2KS75-1AA

Related products:



**Load Break
Switches**
p.205



**Susol Circuit
Breakers**
p.159



**Uninterruptable
Power Supplies**
p.125



**Emergency
Test Kits**
p.270



TN2IS220-L1A



TN2IH22G-L1A



TN2IH22R-L1B



TN2IS22G-0L1A



TN2IS22R-L1B



TN2MR2L-2

TN2BFW fitted to
TN2BFG-1A

TN2-A



TN2-B



TN2-B1A



TN2-B1AB

Illuminated Selector Switches

Part no.	Description	Price \$
TN2IH22BL-L1A	240V LED 2position illuminated long selector - Blue c/w 1 N/O contact	31.70
TN2IH22G-L1A	240V LED 2position illuminated long selector - Green c/w 1 N/O contact	31.70
TN2IH22O-L1A	240V LED 2position illuminated long selector - Amber c/w 1 N/O contact	31.70
TN2IH22R-L1B	240V LED 2position illuminated long selector - Red c/w 1 N/C contact	31.70
TN2IH22W-L1A	240V LED 2position illuminated long selector - White c/w 1 N/O contact	31.70
TN2IH27BL-L1A	24V AC/DC LED 2position illuminated long selector - Blue c/w 1 N/O contact	31.70
TN2IH27G-L1A	24V AC/DC LED 2position illuminated long selector - Green c/w 1 N/O contact	31.70
TN2IH27O-L1A	24V AC/DC LED 2position illuminated long selector - Amber c/w 1 N/O contact	31.70
TN2IH27R-L1B	24V AC/DC LED 2position illuminated long selector - Red c/w 1 N/C contact	29.62
TN2IH27W-L1A	24V AC/DC LED 2position illuminated long selector - White c/w 1 N/O contact	31.70
TN2IS22BL-L1A	240V LED 2position illuminated short selector - Blue c/w 1 N/O contact	29.00
TN2IS22G-L1A	240V LED 2position illuminated short selector - Green c/w 1 N/O contact	29.00
TN2IS22O-L1A	240V LED 2position illuminated short selector - Amber c/w 1 N/O contact	29.00
TN2IS22R-L1B	240V LED 2position illuminated short selector - Red c/w 1 N/C contact	29.00
TN2IS22W-L1A	240V LED 2position illuminated short selector - White c/w 1 N/O contact	29.00
TN2IS27BL-L1A	24V AC/DC LED 2position illuminated short selector - Blue c/w 1 N/O contact	29.00
TN2IS27G-L1A	24V AC/DC LED 2position illuminated short selector - Green c/w 1 N/O contact	29.00
TN2IS27O-L1A	24V AC/DC LED 2position illuminated short selector - Amber c/w 1 N/O contact	29.00
TN2IS27R-L1B	24V AC/DC LED 2position illuminated short selector - Red c/w 1 N/C contact	29.00
TN2IS27W-L1A	24V AC/DC LED 2position illuminated short selector - White c/w 1 N/O contact	29.00
TN2IS42R-L1AA	240V LED 3 position illuminated short selector Red with 2 N/O contacts	31.90
TN2IS42G-L1AA	240V LED 3 position illuminated short selector Green with 2 N/O contacts	31.90
TN2IS47R-L1AA	24V AC/DC LED 3 position illuminated short selector Red with 2 N/O contacts	31.90
TN2IS47G-L1AA	24V AC/DC LED 3 position illuminated short selector Green with 2 N/O contacts	31.90

Joy Sticks

Part no.	Description	Price \$
TN2MR2L-2	22mm 2 position latching joy stick c/w 2 N/O contacts	91.98
TN2MR2R-2	22mm 2 position spring return joy stick c/w 2 N/O contacts	91.98
TN2MR2R-4	22mm 2 position spring return joystick c/w 4 x N/O contacts	87.60
TN2MR4L-4	22mm 4 position latching joy stick c/w 4 N/O contacts	106.15
TN2MR4R-4	22mm 4 position spring return joy stick c/w 4 N/O contacts	106.15

Pushbutton Accessories

Part no.	Description	Price \$
TN2-BFW	Rubber boot to suit TN2-BF/IF	4.70
TN2-BTW	Rubber boot to suit TN2-BT/IT	5.91

Contact Blocks

Part no.	Description	Price \$
TN2-A	Contact block - 1 N/O Green 1A	7.45
TN2-B	Contact block - 1 N/C Red 1B	7.45
TN2-B1A	Base mount contact block c/w 1 N/O	7.45
TN2-B1AB	Illuminated Base Mount Contact Block With 1 N/O 1 N/C Contacts 1A 1B	16.64
TN2-B1B	Base mount contact block c/w 1 N/C	7.45
TN2-C	Contact block - 1 N/O-1 N/C 1C	5.55

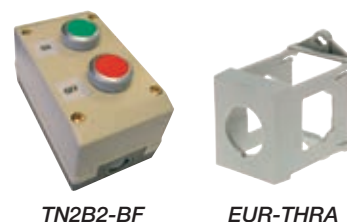
Tend TS2 Series Monobloc Complete Control Devices

Available in red, green, yellow & black. Complete with 1 N/O & 1 N/C contact.

IMPROVED
& EXPANDED
RANGE



Part No.	Description	Price \$
<i>Flush pushbuttons</i>		
TS2BFR-C	22mm Flush Pushbutton c/w 1N/O & 1N/C - Red	11.01
TS2BFG-C	22mm Flush Pushbutton c/w 1N/O & 1N/C - Green	11.01
TS2BFY-C	22mm Flush Pushbutton c/w 1N/O & 1N/C - Yellow	11.01
TS2BFW-C	22mm Flush Pushbutton c/w 1N/O & 1N/C - White	11.01
TS2BFB-C	22mm Flush Pushbutton c/w 1N/O & 1N/C - Black	11.01
<i>Raised pushbuttons</i>		
TS2BLR-C	22mm Raised Pushbutton c/w 1N/O & 1N/C - Red	11.51
TS2BLG-C	22mm Raised Pushbutton c/w 1N/O & 1N/C - Green	11.51
TS2BLY-C	22mm Raised Pushbutton c/w 1N/O & 1N/C - Yellow	11.51
TS2BLB-C	22mm Raised Pushbutton c/w 1N/O & 1N/C - Black	11.51
<i>Mushroom head pushbuttons</i>		
TS2BMR-C	22mm Mushroom Pushbutton c/w 1N/O & 1N/C - Red	12.70
TS2BMG-C	22mm Mushroom Pushbutton c/w 1N/O & 1N/C - Green	12.70
TS2BMY-C	22mm Mushroom Pushbutton c/w 1N/O & 1N/C - Yellow	12.70
TS2BMB-C	22mm Mushroom Pushbutton c/w 1N/O & 1N/C - Black	12.70
<i>Selector switches</i>		
TS2SS1B-C	22mm Short Lever Selector 2 position c/w 1N/O & 1N/C	18.46
TS2SS2B-C	22mm Short Lever Selector 3 position c/w 2N/O	21.16
TS2SS3B-C	22mm Short Lever Selector 3 position S/R from right c/w 2N/O	21.16
TS2SS4B-C	22mm Short Lever Selector 3 position S/R from left c/w 2N/O	21.16
TS2SS5B-C	22mm Short Lever Selector 3 position S/R to centre c/w 2N/O	21.16
TS2SH1B-C	22mm Long Lever Selector 2 position c/w 1N/O & 1N/C	18.46
TS2SH2B-C	22mm Long Lever Selector 3 position c/w 2N/O	21.16
TS2SH3B-C	22mm Long Lever Selector 3 position S/R from right c/w 2N/O	21.16
TS2SH4B-C	22mm Long Lever Selector 3 position S/R from left c/w 2N/O	21.16
TS2SH5B-C	22mm Long Lever Selector 3 position S/R to centre c/w 2N/O	21.16
<i>Buzzers, pilot lights and complete units</i>		
TS2BI2	22mm Intermittent Buzzer - 240V AC	30.81
TS2BI7	22mm Intermittent Buzzer - 24V AC/DC	30.81
TS2BI9	22mm Intermittent Buzzer - 12V AC/DC	30.81
TS2BIL2	22mm Flashing LED Pilot Light with Buzzer - 240V AC	37.76
TS2BIL7	22mm Flashing LED Pilot Light with Buzzer- 24V AC/DC	37.76
TS2BIL9	22mm Flashing LED Pilot Light with Buzzer- 12V AC/DC	37.76
TS2F2R	22mm Flashing LED Pilot Light - 240V AC	36.30
TS2F7R	22mm Flashing LED Pilot Light - 24V AC/DC	30.85
TS2BC2	22mm Continuous Buzzer, 240VAC	30.81
TS2BC7	22mm Continuous Buzzer, 24V AC/DC	30.81
TS2BC9	22mm Continuous Buzzer, 12V AC/DC	30.81
TS2BCL2	22mm Continuous Light with Buzzer, 240VAC	37.76
TS2BCL7	22mm Continuous Light with Buzzer, 24V AC/DC	37.76
TS2BCL9	22mm Continuous Light with Buzzer, 12V AC/DC	37.76
<i>Pushbutton Accessories</i>		
TN2-EB	Emergency Stop shroud plastic to suit 22mm pushbuttons	22.58
TN2-GR	Padlockable pushbutton sealing cover to suit 22mm	10.50
EUR-THRA	22mm DIN mount mounting accessory	17.38



Control Stations Pre-Assembled

Part no.	Description	Price \$
TNB1-BFG21A	Single green button control station c/w 1 N/O contact	49.50
TNB1-BKR31B	Emergency stop control station c/w 1 N/C contact	58.53
TN2B2-BF	2 button on/off control station c/w contact blocks	50.85
TN2B3-BF	3 button on/off/on control station c/w contact blocks	69.14
SAM-BS542	Aluminium emergency stop station c/w 1 N/C	133.98
TNB2-BFP/SL	2 button on/off control station c/w emergency stop, push to reset, 1 N/C	65.13
T2B1-KMR322-Y	Key operated emergency stop control station	68.35





TN2-B1Y



TN2-B2



SA 106/40



BC-AL-2204-082506



NEW

Push Button Enclosures

Part no.	Description	Price \$
TN2-B1	1 hole enclosure	18.51
TN2-B1Y	1 hole enclosure, yellow	22.50
TN2-B2	2 hole enclosure	22.18
TN2-B3	3 hole enclosure	25.96
TN2-B4	4 hole enclosure	29.69
TN2-B5	5 hole enclosure	34.99

Pushbutton Enclosure Label Stickers

Label with adhesive back to suit TN2-B Push Button Enclosures

Part no.	Description	Price \$
TBP-06	" ON " Sticker for TN2-B Enclosures	1.00
TBP-08	" START " Sticker for TN2-B Enclosures	1.00
TBP-09	" STOP " Sticker for TN2-B Enclosures	1.00
TBP-10	" UP " Sticker for TN2-B Enclosures	1.00
TBP-11	" DOWN " Sticker for TN2-B Enclosures	1.00
TBP-12	" SOURCE " Sticker for TN2-B Enclosures	1.00
TBP-16	" FWD " Sticker for TN2-B Enclosures	1.00
TBP-17	" REV " Sticker for TN2-B Enclosures	1.00
TBP-23	" EM.STOP " Sticker for TN2-B Enclosures	1.00
TBP-55	" ON OFF " Sticker for TN2-B Enclosures	1.00
TBP-58	" FWD REV " Sticker for TN2-B Enclosures	1.00
TBP-59	" FWD OFF REV " Sticker for TN2-B Enclosures	1.00
TBP-63	" UP DOWN " Sticker for TN2-B Enclosures	1.00
TBP-64	" UP OFF DOWN " Sticker for TN2-B Enclosures	1.00

Enclosures

Part no.	Description	Price \$
SA 101	1 hole enclosure 51mm deep yellow top	34.93
SA 103	1 hole enclosure 74mm deep	39.39
SA 106/40	2 hole enclosure 74mm deep	48.03
SA 108/40	3 hole enclosure 74mm deep	52.88

Aluminium Push Button Enclosures IP66

Part no.	Description	Price \$
BC-AL-2201-080806	1 hole Aluminium push button enclosure 57mm deep	71.15
BC-AL-2202-081306	2 hole Aluminium push button enclosure 57mm deep	90.55
BC-AL-2206-081806	3 hole Aluminium push button enclosure 57mm deep	137.1
BC-AL-2204-082506	4 hole Aluminium push button enclosure 57mm deep	252.05

Switchboard Labels

Please enquire for custom made legend plates and switchboard labels.

All custom labels come with double sided tape.



Legend Plates

All legend plates come with double sided tape.

White writing on black label use prefix ZLP at start of part number when ordering.

Black writing on white label use prefix SL at start of part number when ordering.

Part no.	Description	Price \$
START	Start	6.83
STOP	Stop	6.83
ON	On	6.83
OFF	Off	6.83
FORWARD	Forward	6.83
REVERSE	Reverse	6.83
UP	Up	6.83
DOWN	Down	6.83
RESET	Reset	6.83
TRIP	Trip	6.83
INCH	Inch	6.83
POWERON	Power on	6.83
SLOW	Slow	6.83
FAST	Fast	6.83
OPEN	Open	6.83
CLOSE	Close	6.83
LEFT	Left	6.83
RIGHT	Right	6.83
AUTO-MAN	Auto - Man	6.83
AUTO-O-MAN	Auto - Off - Man	6.83
START-STOP	Start - Stop	6.83
ON-OFF	On - Off	6.83
FWD-O-REV	Fwd - Off - Rev	6.83
TN22E-O2	Emergency Stop 60mm diameter	10.20

eureka



SL LEGEND PLATES



TN22E-O2

Lamp Test Diode Blocks

Part no.	Description	Price \$
EUR-TLM-20	Diode block for testing maximum of 20 lamps	124.16

Lock Ring Tool

Part no.	Description	Price \$
EUR-22MMT	22mm Lock ring tool to suit control circuit devices lock nuts	13.00

LED Lamps

Please enquire for BA9 lamps

Part no.	Description	Price \$
<i>LED BA9</i>		
L-12R	12V AC/DC Ba9 LED - Red	20.60
L-12G	12V AC/DC Ba9 LED - Green	20.60
L-12O	12V AC/DC Ba9 LED - Orange	20.60
L-12BL	12V AC/DC Ba9 LED - Blue	20.60
L-12W	12V AC/DC Ba9 LED - White	20.60
L-24R	24V AC/DC Ba9 LED - Red	20.60
L-24G	24V AC/DC Ba9 LED - Green	20.60
L-24O	24V AC/DC Ba9 LED - Orange	20.60
L-24BL	24V AC/DC Ba9 LED - Blue	20.60
L-24W	24V AC/DC Ba9 LED - White	20.60
L-110R	110V AC Ba9 LED - Red	20.60
L-110G	110V AC Ba9 LED - Green	20.60
L-110O	110V AC Ba9 LED - Orange	20.60
L-110BL	110V AC Ba9 LED - Blue	20.60
L-110W	110V AC Ba9 LED - White	20.60
L-240R	240V AC Ba9 LED - Red	20.60
L-240G	240V AC Ba9 LED - Green	20.60
L-240O	240V AC Ba9 LED - Orange	20.60
L-240BL	240V AC Ba9 LED - Blue	20.60
L-240W	240V AC Ba9 LED - White	20.60



EUR-TLM-20



EUR-22MMT



LED LAMPS



Kraus & Naimer



CA10

KG64B MAIN SWITCH
ISOLATORKG105 MAIN SWITCH
ISOLATOR

The Kraus & Naimer range of Cam switches are synonymous with quality and flexibility. Established as a world wide brand for over 100 years, the range of cam switches can be designed and manufactured to suit most requirements and A ratings / switching configurations.

In IP42 for the E type switch mounting style (4 screw mount), or IP66 for the FT2 (single 22mm screw mount).

Please add the suffix "E" or "FT2" to the end of each part number for the desired mounting style and IP rating.

Please enquire for switch plates with individual inscription to suit your needs

Please enquire for special purpose switches to suit your particular need.

Control switches

Part no.	Description	(A) Amp rating	Poles	Price \$ E mount	Price \$ FT2 mount
CA10 A200-620 '..'	On / Off with 60 deg switching	20	1	POA	POA
CA20 A200-620 '..'	On / Off with 60 deg switching	25	1	POA	POA
CA25 A200-620 '..'	On / Off with 60 deg switching	32	1	POA	POA
CA10 A201-620 '..'	On / Off with 60 deg switching	20	2	POA	POA
CA20 A201-620 '..'	On / Off with 60 deg switching	25	2	POA	POA
CA25 A201-620 '..'	On / Off with 60 deg switching	32	2	POA	POA
CA10 A202-620 '..'	On / Off with 60 deg switching	20	3	POA	POA
CA20 A202-620 '..'	On / Off with 60 deg switching	25	3	POA	POA
CA25 A202-620 '..'	On / Off with 60 deg switching	32	3	POA	POA
CA10 A210-623 '..'	Manual / Off / Auto	20	1	POA	POA
CA10 A211-623 '..'	Manual / Off / Auto	20	2	POA	POA
CA10 A212-623 '..'	Manual / Off / Auto	20	3	POA	POA
CA10 A220-600 '..' F234	Auto / Manual	20	1	POA	POA
CA10 A221-600 '..' F234	Auto / Manual	20	2	POA	POA
CA10 A222-600 '..' F234	Auto / Manual	20	3	POA	POA
CA10 4P-MOHL	Individual Switch Manual / Off / High / Low	20	1	POA	POA
CA10 4P-AOLH	Individual Switch Auto / Off / Low / High	20	1	POA	POA
CA10 A401-620	Forward / Off / Reverse	20	3	POA	POA

KG Main Switch isolators

All panel versions are screw mount type and IP65

Current ranges up to 105amp are rated at 690v

Current ranges above 105amp are rated at 1000v

Red / Yellow handles, padlockable

Part no.	Description	(A) Amp rating	Poles	Price \$ E mount
KG20B K300-AU2100 E	Panel Mount (Size 1) 64x64mm front plate	25	3	POA
KG32B K300-AU2100 E	Panel Mount (Size 1) 64x64mm front plate	32	3	POA
KG64B K300-AU2100 E	Panel Mount (Size 1) 64x64mm front plate	63	3	POA
KG80B K300-AU2100 E	Panel Mount (Size 1) 64x64mm front plate	80	3	POA
KG100 K302-AU2100 E	Panel Mount (Size 1) 64x64mm front plate	100	3	POA
KG105 K302-AU2100 E	Panel Mount (Size 1) 64x64mm front plate	125	3	POA
KG161 K302-AU2100 E	Panel Mount (Size 2) 88x88mm front plate	160	3	POA
KG211 K302-AU2100 E	Panel Mount (Size 2) 88x88mm front plate	200	3	POA
KG251 K302-AU2100 E	Panel Mount (Size 2) 88x88mm front plate	250	3	POA
KG316 K302-AU2100 E	Panel Mount (Size 2) 88x88mm front plate	315	3	POA

KG Enclosed Main Switch Isolators

Plastic enclosed isolators, lockable and IP65

K300 type has no aux contacts. K302 type has 1 N/O & 1 N/C aux contact.

Red/Yellow handle

Part no.	(A) Amp rating	Poles	Price \$ E mount
KG20B K302-AU0160-KL12	25	3	POA
KG32B K302-AU0160-KL12	32	3	POA
KG41B K302-AU0152-KL12	40	3	POA
KG64B K302-AU0152-KL12	63	3	POA
KG80 K302-AU0153-6FE	80	3	POA
KG100 K302-AU0153-6FE	100	3	POA
KG126 K302-AU0761-6FE	125	3	POA
KG161 K302-AU0761-6FE	160	3	POA
KG211 K302-AU0172-6AE *	200	3	POA
KG251 K302-AU0172-6AE *	250	3	POA
KG316 K302-AU0172-6AE *	315	3	POA

* Metal enclosures

Changeover Switches

Din mount changeover switches for mains and generator supply

Uses the same profile as a miniature circuit breakers

All switches engraved Mains / Off / Gen

Part no.	(A) Amp rating	Poles	Price \$ E mount
KG32A T903-NZ0001 VE2	32	3	POA
KG41AB T903-NZ0001 VE2	40	3	POA
KG64B T903-NZ0001 VE2	63	3	POA
KG80 T903-NZ0001 VE2	80	3	POA
KG100 T903-NZ0001 VE2	100	3	POA
KG32A T904-AUN0127 VE2	32	4	POA
KG41B T904-AUN0127 VE2	40	4	POA
KG64B T904-AUN0127 VE2	63	4	POA
KG80 T904-AUN0127 VE2	80	4	POA
KG100 T904-AUN0127 VE2	100	4	POA



Kraus & Naimer



KG64 ENCLOSED ISOLATOR



KG161 ENCLOSED ISOLATOR



KG64B CHANGEOVER SWITCH

The extensive range of Kraus & Naimer Cam Switches also includes:

- Changeover Switches
- Enclosed Isolators
- Main Switches
- Maintenance Switches
- Customised Switches

...and a full range of accessories and optional extras.





T40.03



T41.04



T70.00



T20.01



T50.00



T82.01



1300.20.05



1300.23.07

Swann Single Pole Rocker Switches

Part no.	Description	Price \$
T23.01	6A black on/off 19x13mm hole size	9.88
T23.02	6A red illuminated on/off 19x 13mm	16.76
T23.03	6A black on/off 19x13mm hole size	9.88
T40.00	15A black on/off 27x12mm hole size	9.88
T40.01	15A black on/on 27x12mm hole size	9.88
T40.02	15A black mom.on/off 27x12mm hole	10.10
T40.03	15A white mom.on/on 27x12mm hole	11.12
T40.04	15A white on/off 27x12mm hole size	9.88
T40.05	15A black on/off/on 27x12mm hole size	9.88
T40.06	15A white on/on 27x12mm hole size	9.88
T41.00	15A black on/off 28x11mm hole size	9.88
T41.01	15A black on/on 28x11mm hole size	9.88
T41.04	15A red illuminated on/off 28x11mm	14.62
T41.05	15A white amber illuminated on/off	14.62
T41.08	15A black amber illuminated on/off	14.62
T70.00	15A black on/off 38x12mm hole size	9.88
T70.01	15A black on/on 38x12mm hole size	9.88
T70.02	15A black on/off/on 38x12mm hole size	11.01
T70.04	15A white on/on 38x12mm hole size	9.88
T70.07	15A black on/off/on stamped I O II	15.80

Swann Double Pole Rocker Switches

Part no.	Description	Price \$
T20.01	4A white on/off 16x13mm hole size	12.02
T20.02	4A black stamped on/off 16x13mm hole	12.02
T50.00	15A black red illum. on/off 27x22mm	16.76
T50.01	15A black on/off 27x22mm hole size	12.25
T50.02	15A black on/on 27x22mm hole size	13.83
T50.03	15A black red illum. on/on 27x22mm	16.99
T50.04	15A black amber illum. on/on 27x22mm	16.99
T50.05	15A black on/off/on 27x22mm hole size	14.62
T50.06	15A black green illum. on/off 27x22mm	16.71
T50.07	15A black amber illum. on/off 27x22mm	16.71
T50.08	15A white on/on 27x22mm hole size	13.83
T52.00	16A black on/on 30x22.5mm hole size	13.83
T52.04	16A black on/off stamped O II 30x22.5mm	14.28
T82.00	15A black red illuminated on/on 36x21mm	20.32
T82.01	15A black amber illuminated on/on 36x21mm	20.32
T82.02	15A black red illuminated on/off/on	20.54
T82.03	15A black on/off/on 36x21mm hole size	20.32
T82.04	15A black on/on 36x21mm hole size	20.32
T82.05	15A black on/mom.on 36x21mm hole size	20.32

Comelux Rocker Switches

Part no.	Description	Price \$
1300.20.02	DP 16A black red illum. on/off with boot 30x22mm	15.46
1300.20.05	DP 16A white red illum. mom.on/off 30x22mm hole size	16.99
1300.23.02	SP 16A black red illuminated 32x14mm hole size	13.66
1300.23.03	SP 16A white on/off 32x14mm hole size	11.23
1300.23.04	SP 16A black red led illum. on/off 32x14mm	14.22
1300.23.05	SP 16A black on/off 32x14mm hole size	11.57
1300.23.06	SP 16A black on/on 32x14mm hole size	11.96
1300.23.07	SP 16A black on/off/on stamped I O II	15.07
1300.23.08	SP 16A black 2 x on/off red illuminated rockers	24.78

Swann 9.3Mm Diameter Indicators

Part no.	Description	Price \$
T9000.02	240V red indicator 10mm diameter round head	9.88
T9000.03	240V amber indicator 10mm diameter round head	9.88
T9000.05	240V green indicator 10mm diameter round head	9.88
T9000.06	240V red indicator 14mm square head	9.88
T9000.07	240V red indicator 12mm diameter round head	9.88
T9000.08	240V amber indicator 12mm diameter round head	9.88
T9000.12	240V red indicator 152mm leads	9.88
T9000.13	240V amber indicator 152mm leads	9.88
T9000.14	240V red 10mm stepped round head 200mm leads	9.88
3150.831.02	240V red 10mm stepped round head QC terminals	9.88
3150.831.03	240V amber 10mm stepped round head QC terminals	9.88
3150.831.05	240V green 10mm stepped round head QC terminals	9.88

Swann 12.3Mm Diameter Indicators

Part no.	Description	Price \$
T1200.02	240V red indicator 14mm diameter round head	9.88
T1200.03	240V amber indicator 14mm diameter round head	9.88
T1200.04	240V red indicator 14mm dia head 152mm leads	9.88
T1200.05	240V green indicator 14mm diameter round head	9.88
T1240.02	240V red indicator suits 1mm+ panel	9.88
T1240.03	240V amber indicator suits 1mm+ panel	9.88
T1240.05	240V green indicator suits 1mm+ panel	9.88

Swann Rectangular Indicators

Part no.	Description	Price \$
3141.001.02	240V red indicator 28.5x11.5mm hole	10.78
3141.001.03	240V amber indicator 28.5x11.5mm hole	10.78
3141.001.05	240V green indicator 28.5x11.5mm hole	10.78
3157.01.03	240V amber indicator 28.5x11.5mm hole	10.78
3157.01.05	240V green indicator 28.5x11.5mm hole	10.78
3158.01.02	240V red indicator 28.5x11.5mm hole	12.25
3158.01.03	240V amber indicator 28.5x11.5mm hole	12.25
3158.01.05	240V green indicator 28.5x11.5mm hole	12.25

Swann “Ned Kelly” Indicators

Part no.	Description	Price \$
3151.106.00	240V 150mm leads	10.05
3151.107.00	240V 365mm leads	10.05
3151.107.20	240V 565mm leads	10.05
9002.41.02	Rectangular red bezel	0.34
9002.41.03	Rectangular amber bezel	0.34

Other Products

Part no.	Description	Price \$
6006D	White pantry door switch, SPDT 10A 240V	19.70
6006DB	Black pantry door switch, SPDT 10A 240V	19.70
P9300B	Cord line switch black	10.82
P9300W	Cord line switch white	10.82
CLS2B	Cord line switch, lead and plug black	14.28
CLS2W	Cord line switch, lead and plug white	14.28
T601	Bed lamp switch single pole	5.81
T61.01	Fridge door switch	8.35

**T9000.06****T9000.06****T9000.13****T1200.05****3141.001.02****3158.01.05****Ned Kelly****6006D****P9300W**



SA 080-11



SA 081-11



SA 091-11



SPH1X22CO2OUA



SPH1-COMP



NEW

NEW

Foot and Palm and Emergency Stop Switches IP65

Available with red and black 90mm palm shaped buttons, these switches conform to IEC- 947-5-1 standards. They have class 2 protection against electric shock and are rated at IP65

All units with N/C contacts have a positive guided operation.

The SA 080 momentary foot and palm units have a wobble mushroom dome head whilst the SA 091 pull to release units have a solid red dome head.

All units have the following operational current -

AC-15 24VAC/10 amp, 240VAC/6 amp. DC-13 24VDC/2.8 amp.

Momentary Wobble Mushroom Head

Part no .	Description	Price \$
SA 080-10	Black momentary c/w 1 x N/O contact	141.09
SA 080-11	Black momentary c/w 1 x N/O 1 x N/C contacts	146.74
SA 081-01	Red momentary c/w 1 x N/C contact	141.09
SA 081-11	Red momentary c/w 1 x N/O 1 x N/C contacts	146.74

Emergency Maintained - Pull To Release

Part no .	Description	Price \$
SA 091-01	Red pull to release c/w 1 x N/C contact	158.03
SA 091-02	Red pull to release c/w 2 x N/C contacts	171.57
SA 091-11	Red pull to release with 1 x N/O 1 x N/C contacts	171.57

Safety Gate Hinges IP67

The Comepi range of safety hinges suit applications where high security and safety is combined with a modern and sophisticated design.

With numerous sizes and mounting options, these gate operated hinges eliminate the need of mounting hinges and a mechanical safety switch by combining the two different components into one unit. Both the self extinguishing body of the hinges and the rotation pin are made of techno polymer plastic with high rigidity resistant to solvents, oils, greases and various chemical agents.

The internal switch is composed of 4 slow action double break contacts (to IEC 60974-5-1)

All switches come complete with a 2M cable

Part no.	Description	Price \$
SPH1X22CO2OUA	Safety hinge with top axial output, 2M cable c/w 2 x N/O 2 x N/C contacts	242.68
SPH1X22CO2OUB	Safety hinge with back axial output, 2M cable c/w 2 x N/O 2 x N/C contacts	242.68
SPH1X13CO2OUA	Safety hinge with top axial output, 2M cable c/w 1 x N/O 3 x N/C contacts	242.68
SPH1X13CO2OUB	Safety hinge with back axial output, 2M cable c/w 1 x N/O 3 x N/C contacts	242.68
SPH1-COMP	Mechanical hinge only (no working electrical parts)	49.67

Hoist Pushbutton Switches IP65

Rugged plastic construction

Part no.	Description	Price \$
HD-03	2 button hand held hoist control	131.33
THS-61	2 button hoist control single speed	193.47
THS-62	4 button hoist control single speed	232.30
THS-63	6 button hoist control single speed	306.74
THS-83A	2 button hoist control 2 speed	206.28
THS-836A	4 button hoist control with 2 speed up/down	241.78
THS-8366A	6 button hoist control with 2 speed up/down	327.96
THS-EP213A	2 button hoist control with stop button and red light	219.15
THS-EP2132A	4 button hoist control with stop button and red light	270.84
THS-82A	Waterproof 2 Button Hoist Control - Single Speed	182.46
THS-822A	Waterproof 4 Button Hoist Control - Single Speed	226.31
THS-8222A	Waterproof 6 Button Hoist Control - Single Speed	292.12
THS-8EI366A	Waterproof 6 Button Hoist Control with 2 Spd Up/Down, Emergency Stop & Reset	320.28
THS-EP213E	Waterproof 2 Button Hoist Control with Emergency Stop & Red Indicator (Letters)	206.84
THS-E123E	Waterproof 4 Button Hoist Control with Emergency Stop & Green Illum.Reset (Letters)	255.44

Please refer to page 238 for images



Hoist Pushbutton Switches labels

Suits the Tend range of Hoist Push Button switches



Part no.	Description	Price \$
TPP-01	22mm labelled button cap - - O -	2.12
TPP-02	22mm labelled button cap - - I -	2.12
TPP-03	22mm labelled button cap - - II -	2.12
TPP-04	22mm labelled button cap - - III -	2.12
TPP-05	22mm labelled button cap - - IV -	2.12
TPP-06	22mm labelled button cap - - ON -	2.12
TPP-07	22mm labelled button cap - - OFF -	2.12
TPP-08	22mm labelled button cap - - START -	2.12
TPP-09	22mm labelled button cap - - STOP -	2.12
TPP-10	22mm labelled button cap - - UP -	2.12
TPP-11	22mm labelled button cap - - DOWN -	2.12
TPP-12	22mm labelled button cap - - SOURCE -	2.12
TPP-13	22mm labelled button cap - - HAND -	2.12
TPP-14	22mm labelled button cap - - AUTO -	2.12
TPP-15	22mm labelled button cap - - RUN -	2.12
TPP-16	22mm labelled button cap - - FWD -	2.12
TPP-17	22mm labelled button cap - - REV -	2.12
TPP-18	22mm labelled button cap - - CLOSE -	2.12
TPP-19	22mm labelled button cap - - OPEN -	2.12
TPP-20	22mm labelled button cap - - FAST -	2.12
TPP-21	22mm labelled button cap - - SLOW -	2.12
TPP-22	22mm labelled button cap - - RESET -	2.12
TPP-23	22mm labelled button cap - - INCH -	2.12

15A Micro Switches

Wide variety of actuators. High breaking capacity.

Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TM 1300	Pin Head Plunger	22.52
TM 1301	Pin Head with Lever	23.20
TM 1303	Pin Head with Roller Lever	26.64
TM 1305	Slim Plunger Lever	29.97
TM 1306	Short Button Plunger	27.82
TM 1307	Long Button Plunger	30.93
TM 1308	Button Plunger with Roller	40.52
TM 1309	Cross Roller Plunger	40.52
TM 1401	60mm Roller Lever	39.96
TM 1501	42mm Roller Lever	39.96
TM 1701	63mm Lever	27.20
TM 1702	28mm Lever	36.57
TM 1703	49mm Lever with Roller	31.89
TM 1704	27mm Lever with Roller	31.89
TM 1705	110mm Wire Lever	39.39
TM 1743	32mm Double Roller Lever	42.16
TAP-X	Straight Entry Switch Cover	5.25
TAP-Y	Angled Entry Switch Cover	5.25
TAP-Z	Right Angle Entry Switch Cover	5.25

Please refer to page 238 for images

5A Compact Limit Switches IP67

Complete with 3 core and earth, 3 metre flexible cable Housing dimension - 50 x 40 x 16mm

Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TZ 3101	Short Button Plunger	105.88
TZ 3102	Short Button Plunger with Cross Roller	105.88
TZ 3103	Short Button Plunger with Roller	105.88
TZ 3104	Non Adjustable Roller Lever	105.88
TZ 3110	Button Plunger	105.88
TZ 3111	Button Plunger with Rubber Boot	105.88
TZ 3112	Button Plunger with Cross Roller with Boot	105.88
TZ 3113	Button Plunger with Roller With Boot	105.88
TZ 3169	Cats Whisker Lever	105.88

Please refer to page 238 for images



10A Enclosed Limit Switches IP65

High precision and long life. Economical enclosed limit switch
Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TZ 7100	Low Button Plunger	53.45
TZ 7110	Slim Button Plunger	53.45
TZ 7120	63.5mm Lever	40.52
TZ 7121	48mm Roller Lever	45.49
TZ 7124	48mm Double Roller Lever	50.96
TZ 7140	39mm Lever	44.25
TZ 7141	30mm Roller Lever	47.80
TZ 7144	30mm Double Roller Lever	47.58
TZ 7166	Plastic Rod Lever	47.97
TZ 7310	Long Button Plunger	49.89
TZ 7311	Button Plunger with Roller	53.28
TZ 7312	Cross Roller Plunger	53.28

Please refer to page 238 for images

15A Enclosed Limit Switch IP67

Switches with rugged die cast bodies. Large service life and large breaking capacity
Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TZ 6001	Plunger Lever	72.75
TZ 6002	Roller Plunger Lever	77.94
TZ 6004	Lever Roller	59.88
TZ 6043	Spring Roller Lever	88.61
TZ 6101	Plunger Lever with Rubber Boot	77.26
TZ 6102	Roller Plunger with Rubber Boot	84.49
TZ 6104	Lever Roller with Rubber Boot	88.61
TZ 6143	Spring Roller with Rubber Boot	90.92

Please refer to page 238 for images

Tend Safety Limit Switches IP65

Positive Break Contacts. 3A 240VAC Rating. 20mm Conduit Cable Entry
Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TZ 93BPG01	2 N/C contacts, horizontal key	103.45
TZ 93CPG01	1 N/C + 1 N/O contacts, horizontal key	103.45
TZ 93CPG02	1 N/C + 1 N/O contacts, vertical key	103.45
TZ 93-K1	Straight key only	7.73
TZ 93-K2	Right-angle key only	7.73
TZ 93-K3	Adjustable key only	14.05

Please refer to page 238 for images

16A Compact Micro Switches

With 6.3mm quick connect terminals. Dimension 28 x 16 x 10mm

Part no.	Description	Price \$
TMV160-C	Button actuator	15.35
TMV161-C	27mm lever actuator	15.35
TMV162-C	14mm lever actuator	15.35
TMV163-C	27mm roller lever actuator	15.35
TMC164-C	14mm roller lever actuator	15.35
TMV165-C	50mm lever actuator	15.35
TMV166-C	27mm false roller actuator	15.35

Please refer to page 238 for images



10A Limit Switches IP65

10A Industrial Limit Switches (metal body 40mm wide).
Rigid die cast switch housing.
Set position indicator plate for easy maintenance.
Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TZ 5101	Button Plunger	113.55
TZ 5102	Button Plunger with Roller	118.07
TZ 5103	Button Plunger Cross Roller	118.07
TZ 5104	Non Adjustable Roller Lever	124.90
TZ 5105	Double Roller Lever Arm	170.44
TZ 5106	Spring Wire Lever	124.90
TZ 5107	Adjustable Rod Lever	129.35
TZ 5108	Adjustable Roller Lever	136.30
TZ 5109	Roller Plunger Lever	124.90
TZ 5166	Plastic Rod Lever	119.65
TZ 5168	Coil spring lever	124.16
TZ 5169	Cats Whisker Lever	124.90

Please refer to page 238 for images

5A Semi-Industrial Limit Switches IP65

(Metal body 28mm wide)
Dust proof and drip proof construction.
Easy to wire conduit entry design.
Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TZ 8104	Non Adjustable Roller Lever	91.37
TZ 8107	Adjustable Rod Lever	97.64
TZ 8108	Adjustable Roller Lever	100.29
TZ 8111	Button Plunger	85.16
TZ 8112	Roller Button Plunger	85.16
TZ 8122	Cross Button Plunger	85.16
TZ 8166	Plastic rod lever	85.16
TZ 8167	Spring Wire Lever	85.16
TZ 8168	Coil Spring Lever	96.45
TZ 8169	Cats Whisker Lever	85.16

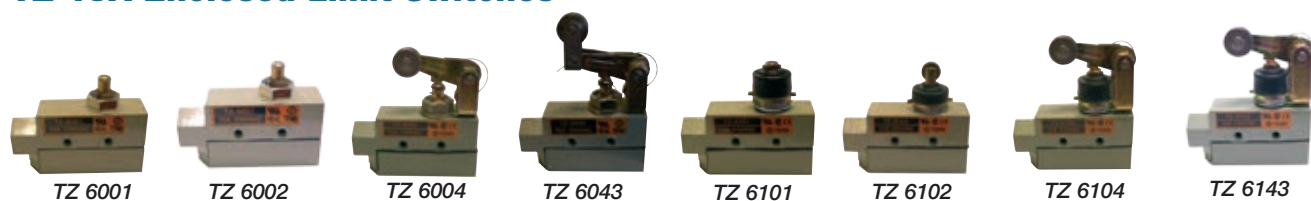
Please refer to page 238 for images

5A Reinforced Plastic Limit Switches IP65

(Plastic body 31mm wide).
Glass reinforced plastic.
Dust proof and drip proof construction
Please enquire for dimensional drawing of all switches in range.

Part no.	Description	Price \$
TZ 9204	Non Adjustable Roller Lever	72.52
TZ 9207	Adjustable Rod Lever	72.52
TZ 9208	Adjustable Roller Lever	72.52
TZ 9211	Button Plunger	72.52
TZ 9212	Roller Button Plunger	93.69
TZ 9222	Cross Roller Button Plunger	72.52
TZ 9224	Lever Roller with Button Plunger	72.52
TZ 9266	Plastic Rod Lever	70.21
TZ 9267	Spring Wire Lever	70.21
TZ 9269	Cats Whisker Lever	70.21

Please refer to page 238 for images

TM Micro Switches**TZ Compact Limit Switches****TZ Limit Switches****TZ 15A Enclosed Limit Switches****TZ 10A Enclosed Limit Switches**

TZ Semi-Industrial Limit Switches



TZ Reinforced Plastic Limit Switches



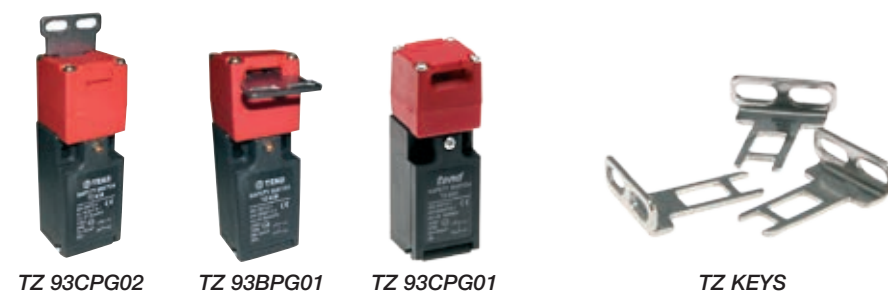
TMV Compact Micro Switches



Hoist Pushbutton Switches



TZ Safety Limit Switches





Comepi Safety Pull Wire Switches

The comepi range of safety pull wire switches are developed and manufactured to IEC 947-5-1

Features include -

- Visible operation
- 10A switching capacity
- Precise operating points
- Immune to electromagnetic disturbances
- Electrically separated contacts
- N/C contact with positive opening operation
- Class 1 protection, IP65

Note: All pull wire switches come with M20 entries, maximum rope length is 6mtrs with no supports or 16mtrs with supports every 3mtrs



SM5K96W02

MOR 05



RED 05



FUN 05M010

Part no.	Description	Price \$
SM1K98X11	30mm metal casing, IP65 pull wire, stop with reset. 1N/O 1N/C	209.60
SM5K96X11	30mm metal casing, IP65, pull wire simple stop 1 N/O 1 N/C slow action make before break	220.11
SM5K96W02	30mm metal casing, IP65, pull wire simple stop 2 N/C simultaneous slow action	220.11
SM5K96X12P	30mm metal casing, IP65, pull wire simple stop 1 N/O 2 N/C slow action make before break	220.11
SM5K96W03P	30mm metal casing, IP65, pull wire simple stop 3 N/C simultaneous slow action	220.11
OCC 08	Stay bolt / eyelet bolt to support cable	4.52
MOR 05	Rope clamp / wire rope grip	2.82
RED 05	Rope eye / thimble	2.26
FUN 05M010	Rope 5mm pvc coated, 10mtr roll	74.50
FUN 05M015	Rope 5mm pvc coated, 15mtr roll	101.59
FUN 05M020	Rope 5mm pvc coated, 20mtr roll	149.00

Float Switches

10A Float Switch Complete With Weight. Oil and chemical resistant lead.

3 different lead lengths



CB-2005



PS3S



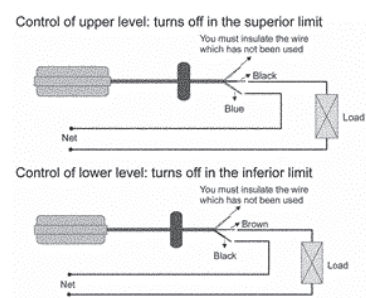
SUSA



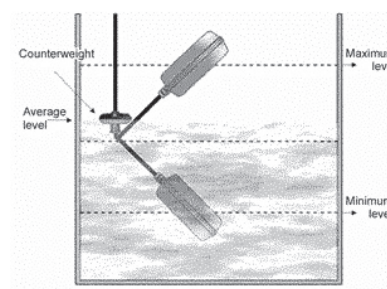
TVA418-BL

Part no.	Description	Price \$
CB-2005	Switch with 5 metre Neoprene Lead	102.32
CB-2010	Switch with 10 metre Neoprene Lead	159.55
CB-2020	Switch with 20 metre Neoprene Lead	201.54

Wiring Diagram



Utilisation



Liquid Level Controller

Part no.	Description	Price \$
EUR1Y-SD	240V Liquid Level Controller, Charge/Discharge, Din Mount	76.13
PS3S	3 probe electrode holder	30.48
SUSA	Threaded electrode 1m stainless steel	16.93

Air Switches

Part no.	Description	Price \$
TVA418-BL	Latching 10A 120-240VAC	42.80
TVA411-BL	Latching 15A 120-240VAC	49.45
TVM118-BL	Momentary 10A 120-240VAC SPDT	45.80

Foot Switches

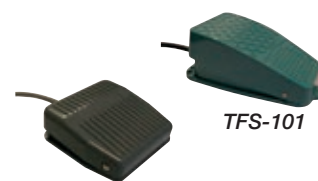
Commercial and industrial use. Large variety of styles.

Part no.	Description	Price \$
Standard foot switch 240v 10A		
	<i>Plastic Top and Base</i>	
TFS-101	Momentary Action 1 Metre lead	46.84
TFS-106	Alternate Action 2 Metre Lead	122.58
Mini Foot Switch 240V 10A		
	<i>Plastic Top and Base</i>	
TFS-201	Momentary Action 2 Metre Lead	46.84
Industrial Foot Switch with Guard 240V 10 and 15A		
	<i>Aluminium Top and Base</i>	
TFS-302	Momentary Action	189.86
TFS-304	2 Step Momentary Action	187.71
TFS-305	Push On Push Off Action	169.20
TFS-402	Momentary Action - No Guard	175.92
TFS-502	Momentary Action, single pedal with high guard suitable for steel capped boots	183.87
TFS-602	Momentary Action, twin pedals with high guard suitable for steel capped boots. Replacement internal switch, use TM-1704. Refer page 49.	279.03
SFMS-15	Double pedal - momentary 10A	319.89
Industrial Foot Switch with Guard 240V 10A IP65		
	<i>Plastic Top and Base</i>	
PS1111	Momentary Action	142.28
PS1113	2 Step Momentary Action c/w 2xN/O 2xN/C snap action contacts	170.78
PS1213	Foot switch with safety device notch IP65 2xN/O 2xN/C	142.20
PS1151	Momentary Action - No Guard	135.45
PD1113	Dual Foot Switch with 2XN/O 2xN/C contacts	307.13
Mini Foot Switch 240V 10A		
	<i>Aluminium Top and Base with Anti Slip Top</i>	
FS-1N	Momentary Action	36.97

Power Push Button Switches

Rugged metal casing. 20mm conduit entry with surface mount models

Part no.	Current (A)	Description	Price \$
TBSP-315	15	3 pole on/off surface mount plastic, latching	57.57
TBSP-330	30	3 pole on/off surface mount plastic, latching	67.05
TBSS-315	15	3 pole on/off flush mount plastic, latching	57.57
TPB-3	3	1 pole fwd-rev-stop surface mount plastic, non-latching	33.86
TBSN-310	10	3 pole on/off surface mount metal, latching	44.36
TBSN-315	15	3 pole on/off surface mount metal, latching	57.57
TBSN-330	30	3 pole on/off surface mount metal, latching	67.05



TFS-101

TFS-201



TFS-302



TFS-502



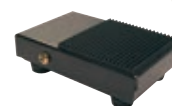
TFS-602



PS1111



PD1113



FS-1



TBSP-315 & TBSP-330



TBSS-315



TPB-3



TBSN-310

Related products:



RCD Protected Outlets
p.306



Omron Proximity Sensors
p.244



Application Tools
p.332



Roller Door Starters
p.354

Eureka

Toggle Switches

Rated at 10A and 15A. Mounting hole 12mm.

Quick connect and screw terminals. Protective rubber boot is IP65



T511A



T511B



T512A



T512B



T521A



T521B



T522A



T522B



T523A



T523B



CS301ASSS



CS301BSSS



KJD16



KJD17

Part no.	Description	Price \$
T011	10A Single Pole Off On	13.21
T013	10A Single Pole On On	14.62
T021	10A Double Pole Off On	16.99
T022	10A Double Pole On On	16.99
T023	10A Double Pole On Off On	16.99
T511	15A Single Pole Off On	17.66
T5R11	15A Single Pole Off Mom.On	18.85
T512	15A Single Pole On On	18.51
T5R12	15A Single Pole On Mom. On	19.36
T513	15A Single Pole On Off On	18.51
T5R13	15A Single Pole Mom.On Off Mom.On	19.64
T5R131	15A Single Pole On Off Mom.On	19.02
T521	15A Double Pole Off On	21.62
T5R21	15A Double Pole Off Mom.On	22.46
T522	15A Double Pole On On	24.66
T5R22	15A Double Pole On Mom.On	26.98
T523	15A Double Pole On Off On	24.66
T5R23	15A Double Pole Mom.On Off Mom.On	29.63
T5R231	15A Double Pole On Off Mom.On	23.99
7011	20A Single Pole Off On	21.11
7021	20A Double Pole Off On	22.91
TOW	Protective Rubber Boot	9.14
TP-1	On / Off label	0.40
TP-2	On / On label	0.40
TP-3	On / Off / On label	0.40

A = Quick Connect Terminals B = Screw terminals

Margirius Heavy Duty Toggle Switches

NEW

Rated at 3A to 30A. Different switching formats

Part no.	Description	Price \$
CS101MPSS	30A Single Phase Push Button	38.56
CS101TPSS	30A Three Phase On/Off Push Button Switch	51.15
CS205ASSS	20A DPST Heavy Duty Toggle With Lock Ring	31.97
CS301APSS	30A DPST Heavy Duty Toggle	46.19
CS301ASSS	20A DPST Heavy Duty Toggle (1.5hp)	30.71
CS301BSSS	10A DPST Heavy Duty Toggle (1hp)	19.58
CS301DMB3FE3	3A SPST Toggle Switch QC Term.	13.20
CS301TPSS	30A TPST Heavy Duty Toggle Switch	53.80
CS390NAE3	0.5A Pushbutton SP N/o Contact QC Term. (S30AE)	7.13
CS390NFE3	0.5A Pushbutton SP N/c Contact QC Term	7.13
KJD16	16A 240V Weatherproof electromagnetic switch – rocker IP55	36.66
KJD17	16A 240V Weatherproof electromagnetic switch – pushbutton IP55	40.00

SENSING, SAFETY & VARIABLE SPEED DRIVES

Omron's E2B Inductive proximity sensors	244
Omron E2E Inductive proximity sensors	249
Omron E2FM Stainless steel Inductive proximity sensors	250
Omron XSF Cable connectors	250
Photo electric beams.....	251
Omron CP1L compact PLC	251
Omron G9S range of Safety monitoring relays.....	251
Phoenix Contact PSR range of Safety relays	252
Eaton's H-MAX HVACVariable speed drives	256
Eaton's S 811+ Soft starters	257
Eaton's DE1 Economy Variable speed drives	258
Eaton's DG1 General purpose Variable speed drives.....	259
Eaton's DC1 Compact Variable speed drives	261
Eaton's DA1 Advanced Variable speed drives	262
Eaton's M-MAX MachineryVariable speed drives	263
Delta VFD-L Variable speed drives.....	264
Delta VFD-E Variable speed drives	265
Delta C-2000 Variable speed drives.....	266
Delta S Series Variable speed drives.....	268



Choosing between Shielded and Non- shielded?

Shielded sensors -

Shielded sensors are manufactured with a shielding plate around the ferrite core of the induction coil. This has the effect of limiting the electromagnetic detection field to the front of the sensor. This in turn limits the sensing range but the sensor can be flush mounted with no effect from surrounding metals. Flush mounting the sensor provides mechanical protection along with sensing directly adjacent to the sensor face

Non shielded sensors -

With non-shielded sensors there is no shielding around the ferrite core. This allows the detection field to extend from the side of the sensor. This gives a greater detection range than the equivalent diameter shielded sensor (typically 2 x), but as the field extends to the side of the sensor surrounding metals can interfere with the detection field. This is to avoid detection problems the sensor cannot be flush mounted in metal.

This range of cylindrical DC 3 wire, inductive proximity sensors are available with sensing distances from 2mm to 20mm

With a choice of shielded and un-shielded sensors and stainless or brass ferrite cores

PNP or NPN outputs and N/O or N/C operating modes

M8 3 core sensor leads use M8 3 core DC sensor leads, M12 to M30 use M12 4 core DC sensor leads
Long and short body cylindrical DC 3 Wire 10-30VDC proximity sensors

Please refer to page 250 For connecting cables

M8 Shielded - Double Sensing - Short Body Proximity Sensors



M8 SHIELDED

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-S08KS02-WP-B1 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open PNP Output, Stainless Short Body	99.75
E2B-S08KS02-WP-C1 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open NPN Output, Stainless Short Body	99.75
E2B-S08KS02-WP-B2 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed PNP Output, Stainless Short Body	99.75
E2B-S08KS02-WP-C2 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed NPN Output, Stainless Short Body	99.75
<i>M8 3-pin Connection</i>		
E2B-S08KS02-MC-B1	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open PNP Output, Stainless Short Body	99.75
E2B-S08KS02-MC-C1	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open NPN Output, Stainless Short Body	99.75
E2B-S08KS02-MC-B2	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed PNP Output, Stainless Short Body	99.75
E2B-S08KS02-MC-C2	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed NPN Output, Stainless Short Body	99.75

M8 Unshielded - Double Sensing - Short Body Proximity Sensors



M8 UNSHIELDED

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-S08KN04-WP-B1 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Stainless Short Body	99.75
E2B-S08KN04-WP-C1 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Stainless Short Body	99.75
E2B-S08KN04-WP-B2 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Stainless Short Body	99.75
E2B-S08KN04-WP-C2 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Stainless Short Body	99.75
<i>M8 3-pin Connection</i>		
E2B-S08KN04-MC-B1	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Stainless Short Body	99.75
E2B-S08KN04-MC-C1	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Stainless Short Body	99.75
E2B-S08KN04-MC-B2	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Stainless Short Body	99.75
E2B-S08KN04-MC-C2	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Stainless Short Body	99.75

Some items in the Omron range may be indent. Please check before ordering.

OMRON

NEW



E2B-M12KS04-M1-B1

M12 Shielded - Double Sensing - Short Body Proximity Sensors

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M12KS04-WP-B1 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M12KS04-WP-C1 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M12KS04-WP-B2 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M12KS04-WP-C2 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	99.75
<i>M12 4-pin Connection</i>		
E2B-M12KS04-M1-B1	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M12KS04-M1-C1	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M12KS04-M1-B2	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M12KS04-M1-C2	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Brass Short Body, M12 Connector (4-pin)	99.75

M12 Unshielded - Double Sensing - Short Body Proximity Sensors

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M12KN08-WP-B1 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M12KN08-WP-C1 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M12KN08-WP-B2 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M12KN08-WP-C2 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	99.75
<i>M12 4-pin Connection</i>		
E2B-M12KN08-M1-B1	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M12KN08-M1-C1	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M12KN08-M1-B2	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M12KN08-M1-C2	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	99.75



M12 UNSHIELDED



M12 UNSHIELDED

M18 Shielded - Double Sensing - Short Body Proximity Sensors

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M18KS08-WP-B1 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M18KS08-WP-C1 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M18KS08-WP-B2 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M18KS08-WP-C2 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	99.75
<i>M12 4-pin Connection</i>		
E2B-M18KS08-M1-B1	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M18KS08-M1-C1	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M18KS08-M1-B2	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M18KS08-M1-C2	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	99.75



M18 SHIELDED



E2B-M18KS04-M1-B1

Some items in the Omron range may be indent. Please check before ordering.



E2B-M18KN16-M1-B1

M18 Unshielded - Double Sensing - Short Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M18KN16-WP-B1 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M18KN16-WP-C1 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M18KN16-WP-B2 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M18KN16-WP-C2 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	99.75
<i>M12 4-pin Connection</i>		
E2B-M18KN16-M1-B1	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open PNP Output, Brass Short Body	99.75
E2B-M18KN16-M1-C1	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open NPN Output, Brass Short Body	99.75
E2B-M18KN16-M1-B2	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	99.75
E2B-M18KN16-M1-C2	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	99.75

M30 Shielded - Double Sensing - Short Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M30KS15-WP-B1 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open PNP Output, Brass Short Body	116.00
E2B-M30KS15-WP-C1 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open NPN Output, Brass Short Body	116.00
E2B-M30KS15-WP-B2 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	116.00
E2B-M30KS15-WP-C2 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	116.00
<i>M12 4-pin Connection</i>		
E2B-M30KS15-M1-B1	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open PNP Output, Brass Short Body	116.00
E2B-M30KS15-M1-C1	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open NPN Output, Brass Short Body	116.00
E2B-M30KS15-M1-B2	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	116.00
E2B-M30KS15-M1-C2	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	116.00



M30 SHIELDED

M30 Unshielded - Single Sensing - Short Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M30KN20-WP-B1 2M	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Open PNP Output, Brass Short Body	116.00
E2B-M30KN20-WP-C1 2M	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Open NPN Output, Brass Short Body	116.00
E2B-M30KN20-WP-B2 2M	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	116.00
E2B-M30KN20-WP-C2 2M	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	116.00
<i>M12 4-pin Connection</i>		
E2B-M30KN20-M1-B1	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Open PNP Output, Brass Short Body	116.00
E2B-M30KN20-M1-C1	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Open NPN Output, Brass Short Body	116.00
E2B-M30KN20-M1-B2	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Closed PNP Output, Brass Short Body	116.00
E2B-M30KN20-M1-C2	M30 Unshielded Proximity Sensor, 20mm Sensing Distance, Normally Closed NPN Output, Brass Short Body	116.00



M30 UNSHIELDED



M30 UNSHIELDED

Some items in the Omron range may be indent. Please check before ordering.

M8 Shielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-S08LS02-WP-B1 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open PNP Output, Stainless Long Body	116.00
E2B-S08LS02-WP-C1 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open NPN Output, Stainless Long Body	116.00
E2B-S08LS02-WP-B2 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed PNP Output, Stainless Long Body	116.00
E2B-S08LS02-WP-C2 2M	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed NPN Output, Stainless Long Body	116.00
<i>M8 3-pin Connection</i>		
E2B-S08LS02-MC-B1	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open PNP Output, Stainless Long Body	116.00
E2B-S08LS02-MC-C1	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open NPN Output, Stainless Long Body	116.00
E2B-S08LS02-MC-B2	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed PNP Output, Stainless Long Body	116.00
E2B-S08LS02-MC-C2	M8 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed NPN Output, Stainless Long Body	116.00



M8 Unshielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-S08LN04-WP-B1 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Stainless Long Body	116.00
E2B-S08LN04-WP-C1 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Stainless Long Body	116.00
E2B-S08LN04-WP-B2 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Stainless Long Body	116.00
E2B-S08LN04-WP-C2 2M	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Stainless Long Body	116.00
<i>M8 3-pin Connection</i>		
E2B-S08LN04-MC-B1	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Stainless Long Body	116.00
E2B-S08LN04-MC-C1	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Stainless Long Body	116.00
E2B-S08LN04-MC-B2	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Stainless Long Body	116.00
E2B-S08LN04-MC-C2	M8 Unshielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Stainless Long Body	116.00

M12 Shielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M12LS04-WP-B1 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M12LS04-WP-C1 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M12LS04-WP-B2 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M12LS04-WP-C2 2M	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00
<i>M12 4-pin Connection</i>		
E2B-M12LS04-M1-B1	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M12LS04-M1-C1	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M12LS04-M1-B2	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M12LS04-M1-C2	M12 Shielded Proximity Sensor, 4mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00

Some items in the Omron range may be indent. Please check before ordering.



M12 UNSHIELDED

M12 Unshielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M12LN08-WP-B1 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M12LN08-WP-C1 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M12LN08-WP-B2 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M12LN08-WP-C2 2M	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00
<i>M12 4-pin Connection</i>		
E2B-M12LN08-M1-B1	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M12LN08-M1-C1	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M12LN08-M1-B2	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M12LN08-M1-C2	M12 Unshielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00

M18 Shielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M18LS08-WP-B1 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M18LS08-WP-C1 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M18LS08-WP-B2 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M18LS08-WP-C2 2M	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00
<i>M12 4-pin Connection</i>		
E2B-M18LS08-M1-B1	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M18LS08-M1-C1	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M18LS08-M1-B2	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M18LS08-M1-C2	M18 Shielded Proximity Sensor, 8mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00



M18 SHIELDED



M18 SHIELDED

M18 Unshielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M18LN16-WP-B1 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M18LN16-WP-C1 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M18LN16-WP-B2 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M18LN16-WP-C2 2M	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00
<i>M12 4-pin Connection</i>		
E2B-M18LN16-M1-B1	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open PNP Output, Brass Long Body	116.00
E2B-M18LN16-M1-C1	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Open NPN Output, Brass Long Body	116.00
E2B-M18LN16-M1-B2	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	116.00
E2B-M18LN16-M1-C2	M18 Unshielded Proximity Sensor, 16mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	116.00

Some items in the Omron range may be indent. Please check before ordering.

M30 Shielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M30LS15-WP-B1 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open PNP Output, Brass Long Body	131.00
E2B-M30LS15-WP-C1 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open NPN Output, Brass Long Body	131.00
E2B-M30LS15-WP-B2 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	131.00
E2B-M30LS15-WP-C2 2M	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	131.00
<i>M12 4-pin Connection</i>		
E2B-M30LS15-M1-B1	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open PNP Output, Brass Long Body	131.00
E2B-M30LS15-M1-C1	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Open NPN Output, Brass Long Body	131.00
E2B-M30LS15-M1-B2	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	131.00
E2B-M30LS15-M1-C2	M30 Shielded Proximity Sensor, 15mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	131.00



M30 Unshielded - Double Sensing - Long Body Proximity Sensor

Part No.	Description	Price \$
<i>2m Cable Pre-wired Connection</i>		
E2B-M30LN30-WP-B1 2M	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Open PNP Output, Brass Long Body	131.00
E2B-M30LN30-WP-C1 2M	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Open NPN Output, Brass Long Body	131.00
E2B-M30LN30-WP-B2 2M	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	131.00
E2B-M30LN30-WP-C2 2M	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	131.00
<i>M12 4-pin Connection</i>		
E2B-M30LN30-M1-B1	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Open PNP Output, Brass Long Body	131.00
E2B-M30LN30-M1-C1	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Open NPN Output, Brass Long Body	131.00
E2B-M30LN30-M1-B2	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Closed PNP Output, Brass Long Body	131.00
E2B-M30LN30-M1-C2	M30 Unshielded Proximity Sensor, 30mm Sensing Distance, Normally Closed NPN Output, Brass Long Body	131.00

Cylindrical AC 2-Wire Proximity Sensors (20-264VAC)

AC 2-Wire output, 2m Pre-wired Cable

Part No.	Description	Price \$
E2E-X1R5Y1 2M	M8 Shielded Proximity Sensor, 1.5mm Sensing Distance, Normally Open	216.00
E2E-X1R5Y2 2M	M8 Shielded Proximity Sensor, 1.5mm Sensing Distance, Normally Closed	216.00
E2E-X2MY1 2M	M8 Unshielded Proximity Sensor, 2mm Sensing Distance, Normally Open	216.00
E2E-X2MY2 2M	M8 Unshielded Proximity Sensor, 2mm Sensing Distance, Normally Closed	216.00
E2E-X2Y1 2M	M12 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Open	216.00
E2E-X2Y2 2M	M12 Shielded Proximity Sensor, 2mm Sensing Distance, Normally Closed	216.00
E2E-X5MY1 2M	M12 Unshielded Proximity Sensor, 5mm Sensing Distance, Normally Open	216.00
E2E-X5MY2 2M	M12 Unshielded Proximity Sensor, 5mm Sensing Distance, Normally Closed	216.00
E2E-X5Y1 2M	M18 Shielded Proximity Sensor, 5mm Sensing Distance, Normally Open	219.00
E2E-X5Y2 2M	M18 Shielded Proximity Sensor, 5mm Sensing Distance, Normally Closed	219.00
E2E-X10MY1 2M	M18 Unshielded Proximity Sensor, 10mm Sensing Distance, Normally Open	219.00
E2E-X10MY2 2M	M18 Unshielded Proximity Sensor, 10mm Sensing Distance, Normally Closed	219.00
E2E-X10Y1 2M	M30 Shielded Proximity Sensor, 10mm Sensing Distance, Normally Open	244.00
E2E-X10Y2 2M	M30 Shielded Proximity Sensor, 10mm Sensing Distance, Normally Closed	244.00
E2E-X18MY1 2M	M30 Unshielded Proximity Sensor, 18mm Sensing Distance, Normally Open	244.00
E2E-X18MY2 2M	M30 Unshielded Proximity Sensor, 18mm Sensing Distance, Normally Closed	244.00



E2E-X2Y1 2M

Some items in the Omron range may be indent. Please check before ordering.



NEW



E2FM



XS3F-M8PVC4A5M



XS2F-M12PVC4S2M

Cylindrical Full Stainless Housing Proximity Sensors

Part No.	Description	Price \$
E2FM-X1R5B1-M1	M8 Shielded Proximity Sensor, Full Stainless Housing, 1.5mm Sensing Distance, Normally open PNP Output, M12 Connector (4-pin)	443.00
E2FM-X2B1-M1	M12 Shielded Proximity Sensor, Full Stainless Housing, 2mm Sensing Distance, Normally open PNP Output, M12 Connector (4-pin)	334.00
E2FM-X5B1-M1	M18 Shielded Proximity Sensor, Full Stainless Housing, 5mm Sensing Distance, Normally open PNP Output, M12 Connector (4-pin)	391.00
E2FM-X10B1-M1	M30 Shielded Proximity Sensor, Full Stainless Housing, 10mm Sensing Distance, Normally open PNP Output, M12 Connector (4-pin)	582.00

M8 Cables

Part No.	Description	Price \$
XS3F-M8PVC4S2M	M8, 4pin-4wire Straight Socket, 2m PVC Cable (IP67)	8.40
XS3F-M8PVC4S5M	M8, 4pin-4wire Straight Socket, 5m PVC Cable (IP67)	10.50
XS3F-M8PVC4S10M	M8, 4pin-4wire Straight Socket, 10m PVC Cable (IP67)	18.90
XS3F-M8PVC4A2M	M8, 4pin-4wire Angled Socket, 2m PVC Cable (IP67)	8.40
XS3F-M8PVC4A5M	M8, 4pin-4wire Angled Socket, 5m PVC Cable (IP67)	10.50
XS3F-M8PVC4A10M	M8, 4pin-4wire Angled Socket, 10m PVC Cable (IP67)	18.90
XS3F-E421-402-A	M8, 4pin-4wire Straight Socket, 2m, SUS316L Cable Lock Connecting Cable (IP69k)	42.00
XS3F-E421-405-A	M8, 4pin-4wire Straight Socket, 5m, SUS316L Cable Lock Connecting Cable (IP69k)	63.00
XS3F-E421-410-A	M8, 4pin-4wire Straight Socket, 10m, SUS316L Cable Lock Connecting Cable (IP69k)	84.00
XS3F-E422-402-A	M8, 4pin-4wire Angled Socket, 2m, SUS316L Cable Lock Connecting Cable (IP69k)	42.00
XS3F-E422-405-A	M8, 4pin-4wire Angled Socket, 5m, SUS316L Cable Lock Connecting Cable (IP69k)	63.00
XS3F-E422-410-A	M8, 4pin-4wire Angled Socket, 10m, SUS316L Cable Lock Connecting Cable (IP69k)	84.00

M12 Cables

Part No.	Description	Price \$
XS2F-M12PVC4S2M	M12, 4pin-4wire Straight Socket, 2m PVC Cable (IP67)	8.40
XS2F-M12PVC4S5M	M12, 4pin-4wire Straight Socket, 5m PVC Cable (IP67)	10.50
XS2F-M12PVC4S10M	M12, 4pin-4wire Straight Socket, 10m PVC Cable (IP67)	18.90
XS2F-M12PVC4S15M-EU1	M12, 4pin-4wire Straight Socket, 15m PVC Cable (IP67)	31.50
XS2F-M12PVC4S20M-EU1	M12, 4pin-4wire Straight Socket, 20m PVC Cable (IP67)	47.25
XS2F-M12PVC4A2M	M12, 4pin-4wire Angled Socket, 2m PVC Cable (IP67)	8.40
XS2F-M12PVC4A5M	M12, 4pin-4wire Angled Socket, 5m PVC Cable (IP67)	10.50
XS2F-M12PVC4A10M	M12, 4pin-4wire Angled Socket, 10m PVC Cable (IP67)	18.90
XS2F-M12PVC4A15M-EU1	M12, 4pin-4wire Angled Socket, 15m PVC Cable (IP67)	31.50
XS2F-M12PVC4A20M-EU1	M12, 4pin-4wire Angled Socket, 20m PVC Cable (IP67)	47.25
XS2F-E421-D80-E	M12, 4pin-4wire Straight Socket, 2m Heat & Chemical Resistant PVC Connecting Cable with SUS316L Connector (IP69k)	52.50
XS2F-E421-G80-E	M12, 4pin-4wire Straight Socket, 5m Heat & Chemical Resistant PVC Connecting Cable with SUS316L Connector (IP69k)	84.00
XS2F-E421-J80-E	M12, 4pin-4wire Straight Socket, 10m Heat & Chemical Resistant PVC Connecting Cable with SUS316L Connector (IP69k)	147.00
XS2F-E421-L80-E	M12, 4pin-4wire Straight Socket, 20m Heat & Chemical Resistant PVC Connecting Cable with SUS316L Connector (IP69k)	210.00
XS2F-E422-D80-E	M12, 4pin-4wire Angled Socket, 2m Heat & Chemical Resistant PVC Connecting Cable with SUS316L Connector (IP69k)	52.50
XS2F-E422-G80-E	M12, 4pin-4wire Angled Socket, 5m Heat & Chemical Resistant PVC Connecting Cable with SUS316L Connector (IP69k)	84.00
XS2F-E422-J80-E	M12, 4pin-4wire Angled Socket, 10m Heat & Chemical Resistant PVC Connecting Cable with SUS316L Connector (IP69k)	147.00

Please enquire for connecting cables to suit M18 & M30 sensors

Some items in the Omron range may be indent. Please check before ordering.

Compact PLC

Omron CP1L-EL20DR-D PLC;S have versatile features for a wide range of applications. 24 VDC powered, they have 12 x 24 VDC digital inputs, 8 x relay outputs, 5K step program memory, 10K step function block memory, 10K word data memory, support 1 x expansion I/O unit plus 1 x option board. They also have 4/2 single ended / differential high speed counters and 2 x 1-10V analog inputs as well as built in Ethernet ports and a real time clock.

Part no.	Description	Price \$
CP1L-EL20DR-D	Mini compact PLC	630.00

G9SE Safety Monitoring Relay Series

Safety relay unit 17.5mm & 22.5mm, Auto or manual reset with time delay

Part no.	Rated V	Output contacts Main contact	Aux contact	Max time delay	Price \$
G9SE-201	24VDC	DPST- N/O	1		195.00
G9SE-401	24VDC	4PST N/O	1		241.00
G9SE-221-T05	24VDC	DPST N/O & DPST N/O delayed	1	5 sec	324.00
G9SE-221-T30	24VDC	DPST N/O & DPST N/O delayed	1	30 sec	324.00

G9SA Safety Monitoring Relay Series

Electronic safety relays, 5A contact rating, suitable for CAT 4 installations
Standard self checking safety relays

Part no.	Input channels	Output contacts Main contact	Aux contact	Coil Voltages	Price \$
G9SA-301 AC/DC 24	1 or 2	3PST N/O	SPST N/C	24V AC/DC	485.00
G9SA-301 AC100-240	1 or 2	5PST N/O	SPST N/C	100-240 VAC	749.00
G9SA--501 AC/DC 24	2	3PST N/O	SPST N/C	24V AC/DC	662.00
G9SA-TH301 AC/DC 24	2	3PST N/O	SPST N/C	24V AC/DC	588.00

Photo Electric Beams

Part no.	Description	Price \$
SPRNU011194	Thru beam photo electric door kit c/w emitter, receiver and mounting bracket	315.00
SPRNU011195	Retro fit photo electric door kit c/w emitter, receiver and mounting bracket	175.00
WL260-S270	10mtr pe cell	235.74
WS/WE260-S230	20mtr transmitter / receiver	295.45
WL250-S132	8mtr pre wired c/w reflector	247.48
PL80	80mm X 80mm reflector	46.34
PL250	50mm X 50mm reflector	23.93
A3G-4MXP	IP67 4mtr Reflective Sensor - 12/24-240AC DC	166.49
A3T-10MXP	IP67 10mtr Thru Beam Sensor - 12/24-240ACDC	216.25
A3T-20MXP	IP67 20mtr Thru Beam Sensor - 12/24-240ACDC	295.11

OMRON

NEW

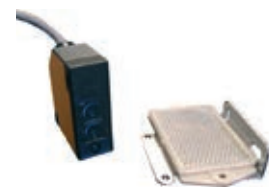


CP1L-EL20DR-D

Eureka



WL260-S270



A3G-4MXP



A3T-10MXP



XPC2904950



XPC2700466



XPC2901416

Safety Monitoring Relays

Our PSR safety relays demonstrate that innovative safety solutions do not necessarily have to be complex in order to meet the high requirements of machine building and systems manufacturing. As well as offering easy integration and handling, the modules are characterized by their compact, space-saving design as well as their high quality, safety, and reliability. In particular, safety applications can be implemented under optimal cost-benefit conditions with the new PSRmini safety relay range. PSR safety relays offer you solutions for all common applications such as monitoring the following protective tasks:

- Emergency stop
- Safety door
- Light grid
- Solenoid switch
- Two-hand control devices
- Enable switch

Convenient connection technology

The majority of PSR safety relays are available with plug-in screw or spring-cage connection technology. The TWIN spring cage connectors provide enough space for two cables per terminal point.

Quick extension

The modular safety systems allow additional extension modules to be integrated easily using the PSR-TBUS DIN rail connector. As a result, there is no longer any need to install cross-wiring for additional output contacts.

Numerous approvals

PSR safety relays conform to all applicable safety standards such as EN ISO 13849-1 and IEC 62061. In addition, modules with GL approval or certification according to EN 50156 are also available.

Screw-In Connection

Part no.	Description	Price \$
XPC2904950	PSR-MS20-1NO-1DO-24DC-SC	238.00
XPC2904951	PSR-MS25-1NO-1DO-24DC-SC	238.00
XPC2904952	PSR-MS30-1NO-24DC-SC	246.58
XPC2904953	PSR-MS35-1NO-24DC-SC	246.58
XPC2904954	PSR-MS40-1NO-1DO-24DC-SC	246.58
XPC2904955	PSR-MS45-1NO-1DO-24DC-SC	246.58
XPC2904956	PSR-MS50-1NO-1DO-24DC-SC	248.74
XPC2904957	PSR-MS55-1NO-1DO-24DC-SC	248.74
XPC2904958	PSR-MS60-2NO-24DC-SC	246.58
XPC2700466	PSR-MC20-3NO-1DO-24DC-SC	306.62
XPC2700498	PSR-MC30-2NO-1DO-24DC-SC	306.62
XPC2700540	PSR-MC34-3NO-1DO-24DC-SC	315.20
XPC2700569	PSR-MC40-3NO-1DO-24DC-SC	315.20
XPC2700553	PSR-MC50-3NO-1DO-24DC-SC	315.20
XPC2700356	PSR-PS20-1NO-1NC-24DC-SC	246.58
XPC2700357	PSR-PS21-1NO-1NC-24DC-SC	225.11
XPC2700398	PSR-PS40-1NO-1DO-24DC-SC	246.58
XPC2700577	PSR-PC20-1NO-1NC-24DC-SC	291.62
XPC2700588	PSR-PC40-2NO-1DO-24DC-SC	315.20
XPC2904664	PSR-PC50-1NO-1DO-24DC-SC	496.19
XPC2963802	PSR-SCP- 24UC/ESA2/4X1/1X2/B	290.09
XPC2901430	PSR-SCP- 230AC/ESAM2/3X1/1X2/B	294.19
XPC2900525	PSR-SCP- 24UC/ESAM4/2X1/1X2	317.86
XPC2900509	PSR-SCP- 24UC/ESAM4/3X1/1X2/B	326.45
XPC2901416	PSR-SCP- 42-48UC/ESAM4/3X1/1X2B	341.65
XPC2901426	PSR-SCP- 60UC/ESAM4/3X1/1X2/B	351.12
XPC2901422	PSR-SCP- 230UC/ESAM4/3X1/1X2/B	322.61
XPC2901428	PSR-SCP- 230UC/ESAM4/3X1/1X2/B	313.14
XPC2981114	PSR-SCP- 24-230UC/ESAM4/3X1/1X2	506.33
XPC2963912	PSR-SCP- 24UC/ESAM4/8X1/1X2	655.77
XPC2981059	PSR-SCP- 24UC/ESL4/3X1/1X2/B	353.46
XPC2981800	PSR-SCP- 24DC/ESD/4X1/30	429.00
XPC2981428	PSR-SCP- 24DC/ESD/5X1/1X2/300	630.56

Some items in this range may be indent, please enquire before ordering

Key for applications, outputs, and safety approvals

	Emergency stop		Safety door switch		Enabling current path/ N/O contact
	Safety door switch, mechanical		Two-hand function		N/C contact
	Light grid		Muting		Changeover contact
	Solenoid switch		Enable switch		Dropout delayed contact
	Transponder switch		Mode selector switch		Forced guidance
	Start/restart		Contactor control	$n=0$	Downtime monitor
	Initiators		Encoder	$n < n_{max}$	Speed monitor
	Extended temperature range	6A	Switching capacity		

PSRclassic – conventional safe coupling relays for the process industry




Type Input voltage	Applications	Output contacts			Safety approvals			Connection method		Order No.
					SIL IEC 61508	SIL IEC 61511	SIL IEC 50156	Screw, plug-in	Spring-cage, plug-in	
PSR-FSP 24 V DC	Coupling relays for failsafe controllers	1	1	–	3	3	3	X	–	2981978
PSR-FSP/2x1 24 V DC		2	1	–	3	3	3	–	X	2981981
PSR-FSP/2x1 24 V DC		2	1	–	2	2	2	X	–	2986960
PSR-FSP/2x1 24 V DC		2	1	–	2	2	2	–	X	2986957
PSR-ETP 24 V DC		1	–	–	3*	3*	–	X	–	2986575
PSR-ETP 24 V DC		1	–	–	3*	3*	–	–	X	2986588
PSR-ESP4 24 V DC		2	1	–	3	3	–	X	–	2986711
PSR-ESP4 24 V DC		2	1	–	3	3	–	–	X	2986562
PSR-ESP4 24 V DC		2	1	–	3	3	–	–	X	2981020
PSR-ESP4 24 V DC		2	1	–	3	3	–	–	X	2981017

*Low demand

Please enquire for products to suit this range.

PSRmini – highly compact safety relays for machine building														
Type	Applications						Output contacts		Safety approvals		Overall width	Connection method		
									PL EN ISO 13849-1	SILCL EN 42004-1		Screw, plug-in	Push-in spring-cage, plug-in	
PSR-MS20	X	X	–	X	–	A	1	1 DO	c ¹⁾	1 ¹⁾	6.8 mm	2904950	–	
PSR-MS25	X	X	–	X	–	M	1	1 DO	c ¹⁾	1 ¹⁾	6.8 mm	2904951	–	
PSR-MS30	X	X	–	X	X	A	1	–	e	3	6.8 mm	2904952	–	
PSR-MS35	X	X	–	X	X	M	1	–	e	3	6.8 mm	2904953	–	
PSR-MS40	X	X	–	–	X	A	1	1 DO	e	3	6.8 mm	2904954	–	
PSR-MS45	X	X	–	–	X	M	1	1 DO	e	3	6.8 mm	2904955	–	
PSR-MS50	–	X	–	X	–	A	1	1 DO	e	3	6.8 mm	2904956	–	
PSR-MS55	–	X	–	X	–	M	1	1 DO	e	3	6.8 mm	2904957	–	
PSR-MS60	X	X	X	X	X	A	2	–	e	3	6.8 mm	2904958	–	
PSR-MC20	X	X	–	X	–	A/M	3	1 DO	c ¹⁾	1 ¹⁾	12.5 mm	2700466	2700467	
PSR-MC30	X	X	–	X	X	A/M	2	1 DO	e	3	12.5 mm	2700498	2700499	
PSR-MC34	X	X	–	X	X	A/M	3	1 DO	e	3	12.5 mm	2700540	2700548	
PSR-MC40	X	X	X	X	X	A/M	3	1 DO	e	3	12.5 mm	2700569	2700570	
PSR-MC50	–	X	–	X	–	A/M	3	1 DO	e	3	12.5 mm	2700553	2700564	

¹⁾ Up to PL e/SILCL 3 possible depending on the application
A = Automatic start; M = Manual, monitored start; DO = Digital signal output








PSRmini – highly compact, safe coupling relays for the process industry															
	Applications	Output contacts		Diagnostics/proof test				Safety approvals					Overall width	Connection method	
Type	Highly compact, safe coupling relays for fail-safe controllers...			Visual via LED	Active error acknowledgment via A1	Measurement on the device	Self-monitoring with integrated lock	SIL IEC 61508/61511	SIL IEC 50156	ATEX / IECEx / Class I Zone 2	G3 ANSI / ISA-571.04	GL		Screw, plug-in	Push-in spring-cage, plug-in
PSR-PS20		1	1 NC / 1 DO	X	X	X	–	3	3	X	X	X	6.8 mm	2700356	–
PSR-PS21		1	1 NC / 1 DO	X	X	X	–	2	2	X	X	X	6.8 mm	2700357	–
PSR-PS40		1	1 DO	X	–	–	X	3	3	X	X	X	6.8 mm	2700398	–
PSR-PC20		1	1 NC / 1 DO	X	X	X	–	3	3	X	X	X	12.5 mm	2700577	2700578
PSR-PC40		2	1 DO	X	X	–	X	3	3	X	X	X	12.5 mm	2700588	2700589
PSR-PC50	... for safety-related switch on (F&G)	1	1 DO	–	X	X	–	3 ¹⁾	–	X	–	X	17.5 mm	2904664	2904665

¹⁾ Low demand; NC = N/C contact; DO = Digital signal output

Customer-specific Termination Carriers are available on request

Please enquire for products to suit this range.

PSRclassic – conventional safety relays for machine building

 Type Input voltage	Applications					Output contacts			Safety approvals			Connection method		Order No.
									CAT/PL EN 60138/4-1	SILCL EN 62061	SIL IEC 60156	Screw plug-in	Spring-cage plug-in	
PSR-ESA2-B 24 V AC/DC	X	X	-	-	-	4	-	1	1/c ¹⁾	1 ¹⁾	-	X	-	2963802
												-	X	2963954
PSR-ESAM2/3x1-B 230 V AC/DC	X	X	-	-	-	3	-	1	1/c ¹⁾	1 ¹⁾	-	X	-	2901430
												-	X	2901431
PSR-ESAM4/2x1 24 V AC/DC	X	X	-	-	-	2	-	1	4/e	3	3	X	-	2900525
												-	X	2900526
PSR-ESAM4/3x1-B 24 V AC/DC	X	X	-	-	-	3	-	1	4/e	3	3	X	-	2900509
												-	X	2900510
PSR-ESAM4/3x1-B 42 ... 48 V AC/DC	X	X	-	-	-	3	-	1	4/e	3	3	X	-	2901416
												-	X	2901417
PSR-ESAM4/3x1-B 60 V AC/DC	X	X	-	-	-	3	-	1	4/e	3	3	X	-	2901426
												-	X	2901427
PSR-ESAM4/3x1-B 120 V AC/DC	X	X	-	-	-	3	-	1	4/e	3	3	X	-	2901422
												-	X	2901425
PSR-ESAM4/3x1-B 230 V AC/DC	X	X	-	-	-	3	-	1	4/e	3	3	X	-	2901428
												-	X	2901429
PSR-ESAM4/3x1 24 ... 230 V AC/DC	X	X	-	-	-	3	-	1	4/e	3	-	X	-	2981114
												-	X	2981127
PSR-ESAM4/8x1 24 V AC/DC	X	X	-	-	-	8	-	1	4/e	3	-	X	-	2963912
												-	X	2963996
PSR-ESL4 24 V AC/DC	X	X	X	-	-	3	-	1	4/e	3	-	X	-	2981059
												-	X	2981062
PSR-ESD-30 24 V DC	X	X	X	-	-	2	2	-	4/e	3	-	X	-	2981800
												-	X	2981813
PSR-ESD-300 24 V AC/DC	X	X	X	-	-	3	2	1	4 ¹⁾ /e ¹⁾	3 ¹⁾	-	X	-	2981428
												-	X	2981431
PSR-ESD-T 24 V AC/DC	X	X	X	-	-	3	2	1	4 ¹⁾ /e ¹⁾	3 ¹⁾	-	X	-	Fixed times – see catalog for ordering data
												-	X	
PSR-THC4 24 V AC/DC	-	X	-	-	X	2	-	1	4 ¹⁾ /e	3	-	X	-	2963721
												-	X	2963983
PSR-URML4 24 V DC	Contact extensions for electrosensitive protective equipment					3	-	1	4/e	3	-	X	-	2903583
												-	X	2903584
PSR-URM4 42 ... 230 V AC/DC	Contact extensions					4	-	2	4 ¹⁾ /e ¹⁾	3 ¹⁾	3	X	-	2902935
												-	X	2902936
PSR-URM4 24 V AC/DC	Contact extensions					5	-	2	4 ¹⁾ /e ¹⁾	3 ¹⁾	-	X	-	2963734
												-	X	2964005
PSR-URM4-B 24 V AC/DC	Contact extensions					5	-	2	4 ¹⁾ /e ¹⁾	3 ¹⁾	-	X	-	2981033
												-	X	2981046

¹⁾ = In conjunction with suitable basic device, ²⁾ = Type III C according to EN 574,

³⁾ = Undelayed contacts: Cat. 4, PL e, SILCL 3, dropout delayed contacts: Cat. 3, PL d, SILCL 2, ⁴⁾ = Up to PL e possible depending on the application



H-Max VFD 415V IP54

Suitable for HVAC applications.

3Ph to 3Ph VSD

3 phase 415V VFD including EMC filter

All units complete with back net onboard as standard

H-Max Frequency Inverters are ideal for Heating, Ventilation and

Air-conditioning applications (HVAC)

RS485 and Ethernet are standard onboard features allowing for networking with BACnet, Device Net and Modbus protocols.

2 x PID controllers, Fire mode settings and function blocks for switch on and off.

Internal RFI filters complying to IEC61800-3 in public, commercial and industrial power systems

IP54, please enquire for IP21

Ambient temperature operation : -10°C - +40°C

Part no.	Description	Dimensions HxWxD (mm)	Low P(kW)	O/L I(L)	Price \$
HMX34AG3D422-N	H-MAX drive 415V 1.1 kW VT IP54	328x128x197	1.1	3.4	2,251.86
HMX34AG4D822-N	H-MAX drive 415V 1.5 kW VT IP54	328x128x197	1.5	4.8	2,398.59
HMX34AG5D622-N	H-MAX drive 415V 2.2 kW VT IP54	328x128x197	2.2	5.6	2,539.69
HMX34AG8D022-N	H-MAX drive 415V 3.0 kW VT IP54	328x128x197	3	8	2,680.78
HMX34AG9D622-N	H-MAX drive 415V 4.0 kW VT IP54	328x128x197	4	9.6	2,821.88
HMX34AG01222-N	H-MAX drive 415V 5.5 kW VT IP54	328x128x197	5.5	12	2,962.97
HMX34AG01622-N	H-MAX drive 415V 7.5 kW VT IP54	419x144x122	7.5	16	3,245.16
HMX34AG02322-N	H-MAX drive 415V 11 kW VT IP54	419x144x122	11	23	3,527.34
HMX34AG03122-N	H-MAX drive 415V 15 kW VT IP54	419x144x122	15	31	4,091.72
HMX34AG03822-N	H-MAX drive 415V 18.5 kW VT IP54	557x195x236	18.5	38	5,079.38
HMX34AG04622-N	H-MAX drive 415V 22 kW VT IP54	557x195x236	22	46	6,490.31
HMX34AG06122-N	H-MAX drive 415V 30 kW VT IP54	557x195x236	30	61	7,760.16
HMX34AG07222-N	H-MAX drive 415V 37 kW VT IP54	660x234x266	37	72	10,017.66
HMX34AG08722-N	H-MAX drive 415V 45 kW VT IP54	660x234x266	45	87	11,428.59
HMX34AG10522-N	H-MAX drive 415V 55 kW VT IP54	660x234x266	55	105	12,698.44
HMX34AG14022-N	H-MAX drive 415V 75 kW VT IP54	966x290x350	75	140	17,213.44
HMX34AG17022-N	H-MAX drive 415V 90 kW VT IP54	966x290x350	90	170	20,176.41
HMX34AG20522-N	H-MAX drive 415V 110 kW VT IP54	966x290x350	110	205	23,985.94
HMX34AG26122-N	H-MAX drive 415V 132 kW VT IP54	1150x480x372	132	261	28,077.66
HMX34AG31022-N	H-MAX drive 415V 160 kW VT IP54	1150x480x372	160	310	33,298.13





S811+ Soft Starters

Built-in bypass contactor and full solid-state overload protection
 Analog input to monitor critical processes
 Adjustable ramp times and 3 start-delay timers
 Adjustable torque and kick start control
 30 faults queue, which can be accessed through a comms network
 Programmable overload settings, 31-100% of rated current
 Digital Interface Module(DIM) to safely configure, commission, monitor and troubleshoot
 2 separate Soft start ramps and Soft stop control
 Keypad can read and display circuit breaker status
 Native Modbus RTU communications capability
 Six SCR, 3-phase control



S811+

Part no.	Max Current (Amps)		kW Rating at 415V AC		Price \$
	Normal Duty	Severe Duty	Normal Duty	Severe Duty	
S811+N37P3S	37	22	18.5	11	6,032.55
S811+N66P3S	66	42	37	22	6,383.81
S811+R10P3S	105	65	60	37	7,551.62
S811+R13P3S	135	80	75	45	8,034.61
S811+T18P3S	180	115	100	63	11,669.86
S811+T24P3S	240	150	132	90	12,012.16
S811+T30P3S	304	192	185	110	12,380.30
S811+U36P3S	360	240	200	132	14,458.95
S811+U42P3S	420	305	220	160	15,240.50
S811+U50P3S	500	365	295	200	16,022.04
S811+V36P3S	360	240	200	132	17,544.22
S811+V42P3S	420	305	220	160	18,062.37
S811+V50P3S	500	365	295	200	18,334.34
S811+V65P3S	650	420	400	220	18,650.62
S811+V72P3S	720	480	425	280	18,940.43
S811+V85P3S	850	525	500	300	19,229.95
S811+V10P3S	1000	600	600	375	20,626.38

Normal duty is 4 starts per hour at ramp current 300% of full load amps

Severe duty is 4 starts per hour at ramp current 450% of full load amps

Accessories

Part no.	Description	Price \$
EMA91	Digital Interface Module (DIM) - amber display	390.77
PSG240E	85-264V AC Input, 24V DC 10A Output, 240W Power Supply	506.58
PSSDIN	DIN rail mounting kit	56.44
EMS39	Metal-oxide varistor for S801 soft starter	811.23
EML24	2 cable connection, up to 2 x 240mm dia(S811+ T-frame)	667.26
EML28	2 cable connection, up to 2 x 240mm dia(S811+ V-frame)	618.84
EML40	Universal lug connection kit, 45 degrees, set of 3	1,480.30
EML50	45mm Busbar Lug Kit(S811+ T-frame)	861.41
EML51A	2 inch Busbar Lug Kit(S811+ V-frame)	1,070.39
EML51B	3 inch Busbar Lug Kit(S811+ V-frame)	1,608.47
EMA69C	CIM Card Panel Mount Kit, 2m Cable	693.73
EMA75L	12-Pin Locking Terminal Block	67.73



NEW



DE1-122D3FN-N20N



DE1-345D0FN-N20N



DX-COM-STICK

DE1 Economy VFD

Variable motor speed, as easy to use as a motor starter

Trip-free design ensures maximum machine availability

- Out-of-the-box commissioning without parameterization
- Special skills or knowledge of variable speed drives is not required
- Screwdriver parameterization with an optional configuration module (DXE-EXT-SET)
- Full integration into SmartWire-DT and the PowerXL™ drivesConnect software
- For challenging ambient conditions (such as temperatures from -10 °C to + 60 °C)
- RS485 Modbus communications inbuilt as standard
- International standards CE, UL, cUL and cTick

DE1 Drive 240V IP20

1-phase 240V VSD with inbuilt emc filter

1-ph in, 3-ph out

Part no.	Description	Dimensions HxWxD (mm)	High overload		Low overload		Price \$
			P [kW]	I(H)	P [kW]	I(L)	
DE1-121D4FN-N20FN	0.25 kW CT IP20		0.25	1.4	0.25	1.4	500.00
DE1-122D3FN-N20N	0.37 kW CT IP20		0.37	2.3	0.37	2.3	550.00
DE1-122D7FN-N20N	0.55 kW CT IP20		0.55	2.7	0.55	2.7	600.00
DE1-124D3FN-N20N	0.75 kW CT IP20		0.75	4.3	0.75	4.3	650.00
DE1-127D0FN-N20N	1.5 kW CT IP20		1.5	7	1.5	7	750.00
DE1-129D6FN-N20N	2.2 kW CT IP20		2.2	9.6	2.2	9.6	950.00

DE1 Drive 415V IP20

3-phase 415V VSD with inbuilt emc filter

3-ph in, 3-ph out

Part no.	Description	Dimensions HxWxD (mm)	High overload		Low overload		Price \$
			P [kW]	I(H)	P [kW]	I(L)	
DE1-341D3FN-N20N	0.37 kW CT IP20		0.37	1.3	0.37	1.3	750.00
DE1-342D1FN-N20N	0.75 kW CT IP20		0.75	2.1	0.75	2.1	875.00
DE1-343D6FN-N20N	1.5 kW CT IP20		1.5	3.6	1.5	3.6	1,000.00
DE1-345D0FN-N20N	2.2 kW CT IP20		2.2	5	2.2	5	1,250.00
DE1-346D6FN-N20N	3.0 kW CT IP20		3	6.6	3	6.6	1,375.00
DE1-348D5FN-N20N	4.0 kW CT IP20		4	8.5	4	8.5	1,500.00
DE1-34011FN-N20N	5.5 kW CT IP20		5.5	11.3	5.5	11.3	1,875.00
DE1-34016FN-N20N	7.5 kW CT IP20		7.5	16	7.5	16	2,500.00

DE1 Drive Accessories

Part no.	Description	Price \$
DXE-EXT-SET	DE1 Parameterization module	250.00
DX-COM-STICK	Parameter copy stick, blue tooth	500.00
DX-KEY-LED	Remote keypad, LED display, IP54, 3M cable	400.00
DX-NET-SWD3	Smartwire - DT plug in module	450.00
DX-COM-PCKIT	USB/RS485 convertor with RJ45 cable D-Sub plug, terminals and status LED	1,250.00
DX-CBL-PC-1M5	USB/RS485 convertor with RJ45 cable	875.00
DX-CBL-RJ45-0M5	Patch cable with RJ45 plug 0.5M	25.00
DX-CBL-RJ45-1M0	Patch cable with RJ45 plug 1.0M	35.00
DX-CBL-RJ45-3M0	Patch cable with RJ45 plug 3.0M	45.00
EASY-NT-R	Bus terminating resistor	83.53
DX-SPL-RJ45-3SL	Splitter RJ45, 3 sockets	87.50
DX-SPL-RJ45-2SL1PL	Splitter RJ45, 2 sockets and 1 plug	100.00

DG1 General purpose VFD

- High spec sensorless vector open loop general purpose industrial drive, with inbuilt 5% dc choke
- Suitable for variable torque (fan/pump) and constant torque (conveyor/crusher) applications
- Internal RFI filter complying with emc category 2 & inbuilt brake chopper in frames 1-3
- Available off-the-shelf with IP21 & IP54 protection, suitable for direct wall mounting
- Comms inbuilt onboard - Ethernet/IP, Modbus/RTU, Modbus/TCP, BacNet MS/TP
- Conformal coated boards, suitable for tropical & coastal high humidity environments
- Complies with local C-Tick & RCM mark & product standards AS/IEC61800, 61000 series
- Real time clock & graphic copy/paste keypad with local/remote key & onscreen diagnostics
- Preset speeds, jump frequencies, sleep/wake modes, 2 PID feedback loops inbuilt
- Patented 'Active Energy Control' energy saving software, added savings over other drives

DG1 Drive 380-500V IP54

3-ph in, 3-ph out with built in filter

Part no.	Description	Dimensions HxWxD (mm)	High o/load		Low o/load		Price \$
			P [kW]	I (H)	P [kW]	I (L)	
DG1-342D2FB-C54C	1.1kW VT IP54 c/w Brake chopper		0.75	2.2	1.1	3.3	2,250.00
DG1-343D3FB-C54C	1.5kW VT IP54 c/w Brake chopper		1.1	3.3	1.5	4.3	2,375.00
DG1-344D3FB-C54C	2.2kW VT IP54 c/w Brake chopper		1.5	4.3	2.2	5.6	2,500.00
DG1-345D6FB-C54C	3.0kW VT IP54 c/w Brake chopper		2.2	5.6	3	7.6	2,625.00
DG1-347D6FB-C54C	4.0kW VT IP54 c/w Brake chopper		3	7.6	4	9	2,750.00
DG1-349D0FB-C54C	5.5kW VT IP54 c/w Brake chopper		4	9	5.5	12	2,875.00
DG1-34012FB-C54C	7.5kW VT IP54 c/w Brake chopper		5.5	12	7.5	16	3,250.00
DG1-34016FB-C54C	11kW VT IP54 c/w Brake chopper		7.5	16	11	23	3,750.00
DG1-34023FB-C54C	15kW VT IP54 c/w Brake chopper		11	23	15	31	4,125.00
DG1-34031FB-C54C	18.5kW VT IP54 c/w Brake chopper		15	31	18.5	38	4,750.00
DG1-34038FB-C54C	22kW VT IP54 c/w Brake chopper		18.5	38	22	46	5,500.00
DG1-34046FB-C54C	30kW VT IP54 c/w Brake chopper		22	46	30	61	6,375.00
DG1-34061FN-C54C	37kW VT IP54 c/w Brake chopper		30	61	37	72	8,250.00
DG1-34072FN-C54C	45kW VT IP54		37	72	45	87	9,250.00
DG1-34087FN-C54C	55kW VT IP54		45	87	55	105	10,250.00
DG1-34105FN-C54C	75kW VT IP54		55	105	75	140	13,750.00
DG1-34140FN-C54C	90kW VT IP54		75	140	90	170	15,750.00
DG1-34170FN-C54C	110kW VT IP54		90	170	110	205	17,750.00
DG1-34205FN-C54C	132kW VT IP54		110	205	132	261	POA
DG1-34261FN-C54C	160kW VT IP54		132	245	160	310	POA

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DG1-345D6FB-C54C



DG1 Drive Accessories

Part no.	Description	Price \$
DXG-EXT-3DI3DO1T	Option card 3 digital inputs 3 digital outputs 1 thermistor input	300.00
DXG-EXT-1AI2AO	Option card 3 digital inputs 3 digital outputs 1 thermistor input	400.00
DXG-EXT-3RO	Option card 3 resistive outputs 2 N/O 2 N/C output	250.00
DXG-EXT-THERM1	Option card 3 PT100 RTD inputs	350.00
DXG-EXT-6DI	Option card 6 digital inputs 240VAC input	250.00
DXG-NET-PROFIBUS	Comms card profibus DP	600.00
DXG-NET-CANOPEN	Comms card can open	POA
DXG-NET-DEVICENET	Comms card devicenet	POA
DXG-MNT-PROFIBUS	Comms card profibus DP (DB9 connection)	POA
DXG-NET-SWD	Comms card smart wire DT	POA
DXG-NET-LONWORKS	Comms card lonworks	POA
DXG-KEY-LCD	Replacement card	250.00
DXG-KEY-RMTKIT	Remote keypad mount kit 0.5M cable	100.00
DXG-CBL-1M0	Remote keypad cable 1.0M	25.00
DXG-CBL-3M0	Remote keypad cable 3.0M	50.00
DXG-KEY-HOLDER	Remote keypad mounting holder	75.00
DXG-KEY-N12PLUG	IP54 Blank keypad hole plug	25.00
DXG-ACC-4FR1N12KIT	Frame 1 IP54 conversion kit	100.00
DXG-ACC-FR2N12KIT	Frame 2 IP54 conversion kit	200.00
DXG-ACC-FR3N12KIT	Frame 3 IP54 conversion kit	225.00
DXG-ACC-FR1N12FK	Frame 1 IP54 flange kit	150.00
DXG-ACC-FR2N12FK	Frame 2 IP54 flange kit	175.00
DXG-ACC-FR3N12FK	Frame 3 IP54 flange kit	200.00
DXG-ACC-FR4N12FK	Frame 4 IP54 flange kit	225.00
DXG-ACC-FR5N12FK	Frame 5 IP54 flange kit	250.00
DG1-DEMO1	Control module demo stand	3,750.00
DG1-DEMO2	Full drive demo case	18,750.00
DXG-CBL-PCCABLE	RS485 programming cable USB to RJ45	250.00
DXG-ACC-RTBATT	Battery for real time clock	50.00
DXG-SPR-CTRLKIT	Control module kit with keypad	995.00

Related products:



Eureka Enclosure System
p.34



Circutor Products
p.213



Phoenix Relays
p.192



Eureka Chassis
p.149

DC1 Compact VFD

- High overload capability: 150% for 60 sec, 175% for 2 sec
- Integral Modbus RTU and CANopen communications
- Integrated PID controller, V/Hz control with voltage boost
- Standard IP20, Optional high protection degree (IP66)
- Onboard I/O: 4 inputs (2 DI and 2 DI/AI), 1 output (1 DO/AO), 1 relay output
- Full integration into SmartWire-DT and the PowerXL™ drivesConnect software
- For challenging ambient conditions (such as temperatures from -10 °C to + 50 °C)
- Ability to work with single phase motor applications
- International standards CE, UL, cUL and cTick

DC1 Drive 240V IP20

1-phase 240V VSD with inbuilt emc filter

Suitable for single phase motors

1-ph in, 1-ph out

Part no.	Description	Dimensions HxWxD (mm)	High o/load		Low o/load		Price \$
			P [kW]	I (H)	P [kW]	I (L)	
DC1-S24D3FN-A20FN	0.37 kW CT IP20, 1PH		0.37	4.3	0.37	4.3	1,250.00
DC1-S27D0FN-A20N	0.75 kW CT IP20, 1PH		0.75	7	0.75	7	1,375.00
DC1-S2011FB-A20N	1.1 kW CT IP20, 1PH		1.1	10.5	1.1	10.5	1,750.00

DC1 Drive 415V IP66

3-phase 415V VSD with inbuilt emc filter

Suitable for cooling tower rooftop application

3-ph in, 3-ph out

Part no.	Description	Dimensions HxWxD (mm)	High o/load		Low o/load		Price \$
			P [kW]	I (H)	P [kW]	I (L)	
DC1-342D2FN-A6SN	0.75 kW CT IP66, SW & POT		0.75	2.2	0.75	2.2	2,250.00
DC1-344D1FN-A6SN	1.5 kW CT IP66, SW & POT		1.5	4.1	1.5	4.1	2,500.00
DC1-345D8FB-A6SN	2.2 kW CT IP66, SW & POT		2.2	5.8	2.2	5.8	3,000.00
DC1-349D5FB-A6SN	4.0 kW CT IP66, SW & POT		4	9.5	4	9.5	3,625.00
DC1-34014FB-A6SN	5.5 kW CT IP66, SW & POT		5.5	14	5.5	14	4,750.00
DC1-34018FB-A6SN	7.5 kW CT IP66, SW & POT		7.5	18	7.5	18	5,875.00

DC1 Drive Accessories

Part no.	Description	Price \$
DXC-EXT-2RO1AO	Expansion module 2 relays outputs 1 analogue output	300.00
DXC-EXT-2RO	Expansion module 2 relay outputs	275.00
DXC-EXT-IO110	Expansion module 4 digital inputs 115VAC	325.00
DXC-EXT-IO230	Expansion module 4 digital inputs 230VAC	325.00
DXC-EXT-LOCSIM	Simulation kit c/w 3DI 1RO 3SW 1 pot	250.00
DX-COM-STICK	Parameter copy stick, bluetooth	500.00
DX-KEY-LED	Remote keypad, LED display, IP54, 3.0M cable	400.00
DX-KEY-OLED	Remote keypad, O LED display, IP54, 3.0M cable	995.00
DX-NET-SWD3	Smart wire -DT plug in module	450.00
DX-COM-PCKIT	USB / RS485 convertor with RJ45 cable D-SUB plug, terminals and status LED	1,250.00
DX-CBL-PC-1M5	USB / RS485 convertor with RJ45 cable	875.00
DX-CBL-RJ45-0M5	Patch cable with RJ45 plugs 0.5M	25.00
DX-CBL-RJ45-1M0	Patch cable with RJ45 plugs 1.0M	35.00
DX-CBL-RJ45-3M0	Patch cable with RJ45 plugs 3.0M	45.00
EASY-NT-R	Bus terminating resistor	83.53
DX-SPL-RJ45-3SL	Splitter RJ45 3 sockets	87.50
DX-SPL-RJ45-2SL1PL	Splitter RJ45 2 sockets and 1 plug	100.00

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DC1-S2011FB-A20N



DC1-345D8FB-A6SN



DA1 Advanced VFD

- High overload capability: 150% for 60 sec, 200% for 4 sec
- Integral Modbus RTU and CANopen communications
- Sensorless vector, closed loop with Safe Torque Off functionality
- Standard IP20, Optional high protection degree (IP66)
- Onboard I/O: 5 inputs (3 DI and 2 DI/AI), 2 outputs (2 DO/AO), 2 relay outputs
- Full integration into SmartWire-DT, BACnet, EtherNet, ProfiNet, EtherCAT, ModbusTCP
- For challenging ambient conditions (such as temperatures from -10 °C to + 50 °C)
- Standard conformal coated boards, OLED keypad display
- Suitable for controlling permanent magnet motors
- Function block PLC programming software available
- International standards CE, UL, cUL and cTick

DA1 Drive 415V IP66

3-phase 415V VSD with inbuilt emc filter
Suitable for cooling tower rooftop application
3-ph in, 3-ph out



DA1-34014FB-B6SC

Part no.	Description	Dimensions HxWxD (mm)	High o/load		Low o/load		Price \$
			P [kW]	I(H)	P [kW]	I(L)	
DA1-342D2FB-B6SC	0.75 kW CT IP66, SW & POT		0.75	2.2	0.75	2.2	3,750.00
DA1-344D1FB-B6SC	1.5 kW CT IP66, SW & POT		1.5	4.1	1.5	4.1	4,000.00
DA1-345D8FB-B6SC	2.2 kW CT IP66, SW & POT		2.2	5.8	2.2	5.8	4,250.00
DA1-349D5FB-B6SC	4.0 kW CT IP66, SW & POT		4	9.5	4	9.5	4,500.00
DA1-34014FB-B6SC	5.5 kW CT IP66, SW & POT		5.5	14	5.5	14	5,750.00
DA1-34018FB-B6SC	7.5 kW CT IP66, SW & POT		7.5	18	7.5	18	6,500.00

DA1 Drive Accessories

Part no.	Description	Price \$
DXA-EXT-3RO	Expansion module 3 relay outputs	300.00
DXA-EXT-3DI1RO	Expansion module 3 digital inputs 3 relay outputs	300.00
DXA-EXT-ENCOD	Expansion module encoder 2 channel 500kHz	375.00
DX-NET-PROFIBUS	Fieldbus module, profibus DP V1, 9 pin D-SUB	1,250.00
DX-NET-PROFINET-2	Fieldbus module, profinet 2 x RJ45	POA
DX-NET-MODBUSTCP-2	Fieldbus module, modbus TCP 2 x RJ45	POA
DX-NET-ETHERNET-2	Fieldbus module ethernet / IP 2 x RJ45	POA
DX-NET-ETHERCAT-2	Fieldbus module ethercat 2 x RJ45	POA
DX-NET-DEVICENET	Fieldbus module devicenet	POA
DX-NET-BACNETIP-2	Fieldbus module bacnet / IP	1,250.00
DX-COM-STICK	Parameter copy stick, bluetooth	500.00
DX-KEY-LED	Remote keypad, LED display IP54 3.0M cable	400.00
DX-KEY-OLED	Remote keypad OLED display IP54 3.0M cable	995.00
DX-NET-SWD1	Smartwire - DT plug in module	500.00
DX-COM-PCKIT	USB / RS485 converter with RJ485 cable D-SUB plug, terminal and status LED	1,250.00
DX-CBL-PC-1M5	USB / RS485 converter with RJ485 cable	875.00
DX-CBL-RJ45-0M5	Patch cable with RJ45 plugs 0.5M cable	25.00
DX-CBL-RJ45-1M0	Patch cable with RJ45 plugs 1.0M cable	35.00
DX-CBL-RJ45-3M0	Patch cable with RJ45 plugs 3.0M cable	45.00
EASY-NT-R	Bus terminating resistor	83.53
DX-SPL-RJ45-3SL	Splitter RJ45, 3 sockets	87.50
DX-SPL-RJ45-2SL1PL	Splitter RJ45, 2 sockets and 1 plug	100.00
DX-COM-SOFT	Function block PLC editor, licence	3,750.00

M-MAX Machinery VFD

- Ease of use — plug and play, start-up wizard, advanced diagnostic capability, copy/paste parameters without powering drive
- Compact, space-saving design
- Rugged and reliable — 50°C rating, 150% overload for 1 min., 200% starting current for 2 secs. in every 20 sec. period, conformal coated boards as standard supply
- RS485/Modbus & PI-controller inbuilt as standard
- Internal emc filter complying with IEC61800-3
- RoHS compliance

M-MAX 240V IP20

1-phase 240V VSD with inbuilt emc filter
1-ph in, 3-ph out

Part no.	Description	Dimensions HxWxD (mm)	High o/load		Low o/load		Price \$
			P [kW]	I (H)	P [kW]	I (L)	
MMX12AA1D7F0-0	0.25 kW CT IP20		0.25	1.7	0.25	1.7	656.38
MMX12AA2D4F0-0	0.37 kW CT IP20		0.37	2.4	0.37	2.4	711.08
MMX12AA2D8F0-0	0.55 kW CT IP20		0.55	2.8	0.55	2.8	765.77
MMX12AA3D7F0-0	0.75 kW CT IP20		0.75	3.7	0.75	3.7	820.48
MMX12AA4D8F0-0	1.1 kW CT IP20		1.1	4.8	1.1	4.8	875.17
MMX12AA7D0F0-0	1.5 kW CT IP20		1.5	7	1.5	7	1,043.64
MMX12AA9D6F0-0	2.2 kW CT IP20		2.2	9.6	2.2	9.6	1,203.36

M-MAX 415V IP20

3-phase 415V VSD with inbuilt emc filter
3-ph in, 3-ph out

Part no.	Description	Dimensions HxWxD (mm)	High o/load		Low o/load		Price \$
			P [kW]	I (H)	P [kW]	I (L)	
MMX34AA1D3F0-0	0.37 kW CT IP20		0.37	1.3	0.37	1.3	875.17
MMX34AA1D9F0-0	0.55 kW CT IP20		0.55	1.9	0.55	1.9	929.86
MMX34AA2D4F0-0	0.75 kW CT IP20		0.75	2.4	0.75	2.4	984.57
MMX34AA3D3F0-0	1.1 kW CT IP20		1.1	3.3	1.1	3.3	1,039.26
MMX34AA4D3F0-0	1.5 kW CT IP20		1.5	4.3	1.5	4.3	1,203.36
MMX34AA5D6F0-0	2.2 kW CT IP20		2.2	5.6	2.2	5.6	1,449.50
MMX34AA7D6F0-0	3.0 kW CT IP20		3	7.6	3	7.6	1,640.94
MMX34AA9D0F0-0	4.0 kW CT IP20		4	9	4	9	1,914.43
MMX34AA012F0-0	5.5 kW CT IP20		5.5	12	5.5	12	2,461.42
MMX34AA014F0-0	7.5 kW CT IP20		7.5	14	7.5	14	3,008.40
MMX34AA016F0-0	7.5 kW CT IP20		7.5	16	7.5	16	3,510.00
MMX34AA023F0-0	11 kW CT IP20		11	23	11	23	3,770.00
MMX34AA031F0-0	15 kW CT IP20		15	31	15	31	4,420.00
MMX34AA038F0-0	18.5 kW CT IP20		18.5	38	18.5	38	5,148.00

M-MAX Accessories

Part no.	Description	Price \$
MMX-COM-PC	Copy / paste module (no PC required)	437.58
MMX-IP21-FS1	IP21 kit for MMX frame 1	104.00
MMX-IP21-FS2	IP21 kit for MMX frame 2	156.00
MMX-IP21-FS3	IP21 kit for MMX frame 3	208.00
MMX-NET-XA	Comms adaptor kit FS1-3	182.00
XMN-NET-PS-A	Profibus DP card with screw connection	910.00
XMN-NET-PD-A	Profibus DP card with D-SUB connection	1,014.00
XMN-NET-DN-A	Devicenet card	1,014.00
XMN-NET-CO-A	Canopen card	1,014.00
MMX-REMKEY-TEXT	Remote copy / paste keypad	202.80
MMX-ADAPTER-RJ45	MMX RJ45 adaptor	130.00





Delta Variable Speed Drives

Delta L and EL series Variable speed drives
 Motor power up to 2.2kW 1 ph and 3.7kW 3 ph.
 Keypad with LED display and potentiometer
 Process follower 0-10V, 4-20mA (Optional PTC input).
 Optional fieldbus modules (deviceNet, profi Bus, CANopen).
 DC Bus sharing
 PID feed back control
 RS-485 (MODBUS).
 C-Tick approved, CE approvals
 Internal Filter 1PH and 3PH Versions.



VFD022EL43A

VFD-L Series 240V 1PH/3PH Built-in Filter

Part no.	Description	Price \$
VFD001L21B	0.1kW 240 volt 1ph in / 240 volt 3ph out	279.00
VFD002L21B	0.18kW 240 volt 1ph in / 240 volt 3ph out	318.00
VFD004L21B	0.37kW 240 volt 1ph in / 240 volt 3ph out	344.00
VFD007L21B	0.75kW 240 volt 1ph in / 240 volt 3ph out	382.00

VFD-EL Series 240V 1PH/3PH Built-in Filter

Part no.	Description	Price \$
VFD002EL21A	0.18kW 240 volt 1ph in / 240 volt 3ph out	329.00
VFD004EL21A	0.37kW 240 volt 1ph in / 240 volt 3ph out	349.00
VFD007EL21A	0.75kW 240 volt 1ph in / 240 volt 3ph out	355.00
VFD015EL21A	1.5kW 240 volt 1ph in / 240 volt 3ph out	461.00
VFD022EL21A	2.2kW 240 volt 1ph in / 240 volt 3ph out	609.00

VFD-EL Series 415V 3PH/3PH Built-in Filter

Part no.	Description	Price \$
VFD004EL43A	0.37kW 415 volt 3ph in / 3ph out	471.00
VFD007EL43A	0.75kW 415 volt 3ph in / 3ph out	493.00
VFD015EL43A	1.5kW 415 volt 3ph in / 3ph out	529.00
VFD022EL43A	2.2kW 415 volt 3ph in / 3ph out	631.00
VFD037EL43B	3.7kW 415 volt 3ph in / 3ph out	743.00

Delta E Series Variable Speed Drives

Motor power up to 2.2kW 1 ph and 22kW 3 ph.
 Sensorless vector or V/F control
 Removable keypad and potentiometer
 Built in PLC with optional I/O and encoder modules
 Process follower 0-10V, 4-20mA (optional PTC input)
 Optional fieldbus modules (deviceNet, profi Bus, CANopen).
 DC Bus sharing
 PID feed back control
 RS-485 (MODBUS).
 C-Tick approved, CE Approvals
 Built in filter and brake chopper.



VFD-E Series 240V 1PH/3PH Built-in Filter Without Keypad

Part no.	Description	Price \$
VFD002E21T	0.18KW 240 volt 1ph in / 3ph out (with brake chopper)	395.00
VFD004E21T	0.37KW 240 volt 1ph in / 3ph out (with brake chopper)	402.00
VFD007E21T	0.75KW 240 volt 1ph in / 3ph out (with brake chopper)	431.00
VFD015E21A	1.5KW 240 volt 1ph in / 3ph out (with brake chopper)	496.00
VFD022E21A	2.2KW 240 volt 1ph in / 3ph out (with brake chopper)	690.00



VFD022E43A

VFD-E SERIES 415V 3PH/3PH Built-in Filter Without Keypad

Part no.	Description	Price \$
VFD004E43T	0.37KW 415 volt 3ph in / 3ph out (with brake chopper)	547.00
VFD007E43T	0.75KW 415 volt 3ph in / 3ph out (with brake chopper)	553.00
VFD015E43T	1.5KW 415 volt 3ph in / 3ph out (with brake chopper)	574.00
VFD022E43A	2.2KW 415 volt 3ph in / 3ph out (with brake chopper)	717.00
VFD037E43A	3.7KW 415 volt 3ph in / 3ph out (with brake chopper)	830.00
VFD055E43A	5.5KW 415 volt 3ph in / 3ph out (with brake chopper)	1,143.00
VFD075E43A	7.5KW 415 volt 3ph in / 3ph out (with brake chopper)	1,287.00
VFD110E43A	11KW 415 volt 3ph in / 3ph out (with brake chopper)	1,689.00
VFD150E43A	15KW 415 volt 3ph in / 3ph out (with brake chopper)	2,033.00
VFD185E43A	18.5KW 415 volt 3ph in / 3ph out (with brake chopper)	2,535.00
VFD220E43A	22KW 415 volt 3ph in / 3ph out (with brake chopper)	2,801.00

VFD-E/EL Accessories

Part no.	Description	Price \$
KPE-LE02	KPE-LE01 Keypad (VFD-E only)	26.00
CME-DN01	DEVICENET Module	160.00
CME-COP01	CANopen Module	245.00
CME-PB01	PROFIBUS Module	370.00
CME-USB01	USB V1.1 Interface Card (USB B)	84.00
EME-R2CA	RELAY Module 2 x C/O Conatcts (VFD-E only)	42.00
EME-R3AA	RELAY Module 3 x C/O Conatcts (VFD-E only)	45.00
EME-D33A	I/O Module 3 in/3 out (VFD-E only)	36.00
EME-A22A	Analogue I/O Card (2 IN / 2OUT) (VFD-E only)	68.00
EME-A1D3A	Analogue I/O Card (1 IN / 3 OUT) (VFD-E only)	116.00
EME-PGO1	Encoder Input Card (VFD-E only)	56.00
BUE-20015	Brake Module 0.2-1.5kW 240V 1ph	87.00
BUE-20037	Brake Module 2.2kW 240V 1ph	139.00
BUE-40015	Brake Module 0.4-1.5kW 440V 3ph	133.00
BUE-40037	Brake Module 3.7kW 440V 3ph	213.00
MKEL-DRA	DIN Rail Adaptor EL Series Frame A	10.00
MKEL-DRB	DIN RAIL Adaptor EL Series Frame B	11.00
MKE-DRB	DIN RAIL Adaptor EL Series Frame B	8.00
MKE-DRB	DIN RAIL Adaptor EL Series Frame B	10.00
MKE-HUB01	RS-485 communication module for serial connection, 2 RJ-45 femal connectors	12.00
MKE-EP	EMC Earthing Strap	9.00



KPELE02



CME-DN01



MKE-EP



Delta C2000-C Series Variable Speed Drives

Motor power up to 355kW 3 ph
 Dual rating (constant torque or variable torque).
 Open loop or closed loop field oriented control (up to 200% torque at zero speed in closed loop mode)
 4 quadrant torque control
 Removable multi line LCD display with Auto / manual button
 Built in PLC with optional I/O and encoder modules
 Process follower 0-10V, 4-20mA (optional PTC input)
 PID feedback control
 RS-485 (modbus) and CANopen built in, with optional fieldbus modules (devicenet, profiBus, EtherNet)
 Built in filter and brake chopper up to 30kW, and built in DC reactor (above 30kW).
 Coated circuit boards
 C-Tick approved, CE Approvals



C-2000 VFD-C Series 415V 3PH/3PH

Part no.	Description	Price \$
VFD007C43E	0.75KW 415V 3ph, built in filter and brake chopper	920.00
VFD015C43E	1.5KW 415V 3ph, built in filter and brake chopper	986.00
VFD022C43E	2.2KW 415V 3ph, built in filter and brake chopper	1,080.00
VFD040C43E	4KW 415V 3ph, built in filter and brake chopper	1,388.00
VFD055C43E	5.5KW 415V 3ph, built in filter and brake chopper	1,444.00
VFD075C43E	7.5KW 415V 3ph, built in filter and brake chopper	1,616.00
VFD110C43E	11KW 415V 3ph, built in filter and brake chopper	1,883.00
VFD150C43E	15KW 415V 3ph, built in filter and brake chopper	2,344.00
VFD185C43E	18.5KW 415V 3ph, built in filter and brake chopper	2,909.00
VFD220C43E	22KW 415V 3ph, built in filter and brake chopper	3,284.00
VFD300C43E	30KW 415V 3ph, built in filter and brake chopper	4,111.00
VFD370C43U	37KW 415V 3ph, DC reactor built-in, external filter required	4,523.00
VFD450C43U	45KW 415V 3ph, DC reactor built-in, external filter required	5,291.00
VFD550C43E	55KW 415V 3ph, DC reactor built-in, external filter required	6,352.00
VFD750C43E	75KW 415V 3ph, DC reactor built-in, external filter required	8,572.00
VFD900C43E	90KW 415V 3ph, DC reactor built-in, external filter required	11,552.00
VFD1100C43E	110KW 415V 3ph, DC reactor built-in, external filter required	12,962.00
VFD1320C43E	132KW 415V 3ph, DC reactor built-in, external filter required	15,202.00
VFD1600C43E	160KW 415V 3ph, DC reactor built-in, external filter required	17,405.00
VFD1850C43E	185KW 415V 3ph, DC reactor built-in, external filter required	23,852.00
VFD2200C43E	220KW 415V 3ph, DC reactor built-in, external filter required	27,835.00
VFD2800C43E	280KW 415V 3ph, DC reactor built-in, external filter required	38,920.00
VFD3150C43E	315KW 415V 3ph, DC reactor built-in, external filter required	40,732.00
VFD3550C43E	355KW 415V 3ph, DC reactor built-in, external filter required	47,049.00

*See accessories for external filters

AFE2000 Active Front End

Part no.	Description	Price \$
AFE075A43A	7.5KW, 325-500VAC 3ph Input, 600-740VDC DC Bus	1,863.57
AFE150A43A	15KW, 325-500VAC 3ph Input, 600-740VDC DC Bus	2,272.17
AFE220A43A	22KW, 325-500VAC 3ph Input, 600-740VDC DC Bus	3,425.76
AFE370A43A	37KW, 325-500VAC 3ph Input, 600-740VDC DC Bus	5,991.41
AFE450A43A	45KW, 325-500VAC 3ph Input, 600-740VDC DC Bus	6,684.46
AFE750A43A	75KW, 325-500VAC 3ph Input, 600-740VDC DC Bus	9,180.12

Input Reactor to suit AFE2000

Part no.	Description	Price \$
AF-RC075A4	Input Reactor for AFE075A43A	1,378.20
AF-RC150A4	Input Reactor for AFE150A43A	2,351.19
AF-RC220A4	Input Reactor for AFE220A43A	2,663.85
AF-RC370A4	Input Reactor for AFE370A43A	3,674.08
AF-RC450A4	Input Reactor for AFE450A43A	4,133.48
AF-RC750A4	Input Reactor for AFE750A43A	4,959.73



C2000 Accessories and Filters

Part no.	Description	Price \$
DEMMIF3150	MIF3150 150A 3PH Standard filter (suit C2000 37-55kW)	1,214.54
DEMMIF3180	MIF3180 180A 3PH Standard filter (suit C2000 75-90kW)	1,229.21
DEMMIF3400B	MIF3400B 3 WIRE 400A Busbar filter (suit C2000 110-160kW)	2,154.78
DEMMIF3800	MIF3800 3 wire 800A Busbar Filter (suit C2000 185-355kW)	3,985.62
KPC-CC01	Keypad with LCM display, parameters backup function	138.00
KPC-CE01	Keypad with 7-segment display, parameters backup function	131.00
CBC-K3FT	Extended cable between keypad & inverter, RJ-45 connector, 1m	15.00
CBC-K7FT	Extended cable between keypad & inverter, RJ-45 connector, 2m	22.00
CBC-K10FT	Extended cable between keypad & inverter, RJ-45 connector, 10ft	29.00
CBC-K16FT	Extended cable between keypad & inverter, RJ-45 connector, 16ft	38.00
CMC-EIP01	Ethernet communication card, supports EtherNet/IP protocol	166.00
CMC-MOD01	Ethernet communication card, supports MODBUS TCP protocol	145.00
CMC-DN01	DeviceNet communication card, 125kbps / 250kbps / 500kbps	217.00
CMC-PD01	PROFIBUS-DP communication card, 9.6kbps to 12Mbps	399.00
EMC-COP01	CANopen communication card, 50kbps to 1Mbps	86.00
EMC-D42A	4DI / 2DO extension card, DC 24V	45.00
EMC-R6AA	6 relay outputs extension card	72.00
EMC-D611A	6DI extension card, AC 110V power	47.00
EMC-PG01L	PG card, 5 VDC , Line-drive (A,B,Z) 300k pulse/sec. 5VDC 50mA pulse out	200.00
EMC-PG01O	PG card, 5 or 12 VDC , Open-collect 300k pulse/sec. pulse out	154.00
EMC-PG01U	PG card, 5 VDC, Line-drive (A,B,Z,U,V,W) 300k pulse/sec. 5VDC 50mA pulse out	215.00
MKC-KPPK	Keypad remote panel adapter, comply with IP56	39.00
MKC-DN1CB	Conduit box for frame D, 37-75kW	212.00
MKC-EN1CB	Conduit box for frame E, 90-110kW	244.00
MKC-AFM	Frame A flange mounting kit for models except mentioned in MKC-AFM1	82.00
MKC-AFM1	Frame A flange mounting kit for VFD022C43A/43E	96.00
MKC-BFM	Frame B flange mounting kit	91.00
MKC-CFM	Frame C flange mounting kit	104.00
MKC-AFKM	Fan kit for Frame A	37.00
MKC-BFKB	Fan Kit for Frame B	36.00
MKC-BFKM1	Fan Kit for Frame B	45.00
MKC-BFKM2	Fan Kit for Frame B	69.00
MKC-CFKB1	Fan Kit for Frame C	37.00
MKC-CFKB2	Fan Kit for Frame C	45.00
MKC-DFKB	Fan Kit for Frame D (single fan)	75.00
MKC-DFKM	Fan Kit for Frame D (double fan)	227.00
MKC-EFKB	Fan Kit for Frame E	154.00
MKC-EFKM1	Fan Kit for Frame E	311.00
MKC-EFKM2	Fan Kit for Frame E	394.00
MKC-FFKB	Fan Kit for Frame F	163.00
MKC-FFKM	Fan Kit for Frame F	560.00
MKC-FN1CB	Conduit Box Kit for Frame F, 132-160kW	353.00
MKC-GFKM	Fan Kit for Frame G	1,173.00
MKC-GN1CB	Conduit Box Kit for Frame G, 220kW	668.00
MKC-HFKM	Fan Kit for Frame H	1,039.00



KPC-CE01



CMC-DN01



CMC-PD01



CMC-EIP01



Delta S Series Variable Speed Drives

General purpose low cost unit
 Motor power from 0.18kw to 2.2kw single phase
 RS485 connection via RJ11 plug
 Fixed keypad with built in potentiometer
 Pid input and control
 0-10v and 4-20ma analogue signal
 In built filter and brake resistor
 c-tick approved, CE approvals

VFD-S Series 240V 1PH/3PH

Part no.	Description	Price \$
VFD002S21E	0.18KW 240 V 1PH in / 3PH out built in filter	355.00
VFD004S21E	0.37KW 240 V 1PH in / 3PH out built in filter	362.00
VFD007S21E	0.75KW 240 V 1PH in / 3PH out built in filter	384.00
VFD015S21E	1.5KW 240 V 1PH in / 3PH out built in filter	458.00
VFD022S21E	2.2KW 240 V 1PH in / 3PH out built in filter	671.00

Accessories

Part no.	Description	Price \$
DEVRC01	RC-01 remote operator	170.00
VFD-PU06	Copy keypad (via RS-485) for all VFD series (except VE and VL)	278.00
DEVEG1010A	Keyboard ext. cable 1m for E, M, B and V series	29.00
DEVEG2010A	Keyboard ext. cable 2m for E, M, B and V series	34.00
DEVEG3010A	Keyboard ext. cable 3m for E, M, B and V series	39.00
DEVEG5010A	Keyboard ext. cable 5m for E, M, B and V series	48.00
BR080W200	Braking resistor, 80W, 200 ohm	32.00
BR080W750	Braking resistor, 80W, 750 ohm	32.00
BR200W150	Braking resistor, 200W, 150 ohm	57.00
BR200W250	Braking resistor, 200W, 250 ohm	57.00
BR300W070	Braking resistor, 300W, 70 ohm	69.00
BR300W100	Braking resistor, 300W, 100 ohm	69.00
BR300W250	Braking resistor, 300W, 250 ohm	69.00
BR300W400	Braking resistor, 300W, 400 ohm	69.00
BR400W040	Braking resistor, 400W, 40 ohm	90.00
BR400W150	Braking resistor, 400W, 150 ohm	90.00
BR500W030	Braking resistor, 500W, 30 ohm	106.00
BR500W100	Braking resistor, 500W, 100 ohm	106.00
BR1K0W020	Braking resistor, 1KW, 20 ohm	231.00
BR1K0W050	Braking resistor, 1KW, 50 ohm	168.00
BR1K0W075	Braking resistor, 1KW, 75 ohm	168.00
BR1K2W008	Braking resistor, 1200W, 8 ohm	207.00
BR1K2W6P8	Braking resistor, 1200W, 6.8 ohm	207.00
BR1K5W005	Braking resistor, 1500W, 5 ohm	243.00
BR1K5W040	Braking resistor, 1500W, 40 ohm	243.00
BR200W360	Braking resistor, 200W, 360 ohm	57.00
BR1K0W016	Braking resistor, 1000W, 16 ohm	168.00
BR1K2W015	Braking resistor, 1200W, 15 ohm	207.00
BR1K5W012	Braking resistor, 1500W, 12 ohm	243.00
BR1K5W013	Braking resistor, 1500W, 13 ohm	243.00
BR1K5W043	Braking resistor, 1500W, 43 ohm	243.00
BR200W091	Braking resistor, 200W, 91 ohm	57.00
BR1K0W4P3	Braking resistor, 1000W, 4.3 ohm	168.00
BR1K0W5P1	Braking resistor, 1000W, 5.1 ohm	168.00
BR1K2W3P9	Braking resistor, 1200W, 3.9 ohm	207.00
BR1K5W3P3	Braking resistor, 1500W, 3.3 ohm	243.00
PD-01	Profibus communication module	254.00
DN-02	DeviceNet communication module	223.00
LN-01	LonWorks communication module	363.00
VFD-CMD04	1-to-4 multi channels RS-485 communication board	53.00
VFD-CMD08	1-to-8 multi channels RS-485 communication board	79.00
RF220X00A	zero phase output reactor	39.00



BRAKE RESISTOR



DEVRC01

EUREKA COMMERCIAL CONTRACTOR PRODUCTS

Panel mount unswitched socket outlets	270
Eureka emergency test kits	270
Eureka installation contactors	270
Tend LED work lights	271
Gewiss In-floor power boxes	271
Compact safety switches & accessories.....	271
Eureka DNA corrugated conduit packs	273
Eureka weatherproof isolators, change over switches and GPOs .	273
Eureka weatherproof GPOs.....	273
Eureka Din mount GPOs	273
Logix Bakelite & accessories	274
Eureka installation accessories	275
UNI-T measurement and testing appliances	276
INOX lubricants and greases	278
Take off boxes	279
Temporary supply switchboards	279
Distribution pillars	279



RS10-1.2



RS15B-1.2



T-ELTUELX



T-ELTUE



TS425-04 240V

Panel Mounted Unswitched Socket Outlets

Ideal for use where connection to a panel / apparatus is required without an isolator
In 2 sizes to suit 1.2 or 3.0mm panel thickness for mounting, In black or white.

Part no.	Description	Price \$
RS10-1.2	10A, white to suit panel thickness up to 1.2mm	3.67
RS10-3.0	10A, white to suit panel thickness up to 3.0mm	3.67
RS10B-1.2	10A, black to suit panel thickness up to 1.2mm	3.67
RS10B-3.0	10A, black to suit panel thickness up to 3.0mm	3.67
RS15-1.2	15A, white to suit panel thickness up to 1.2mm	5.08
RS15-3.0	15A, white to suit panel thickness up to 3.0mm	5.08
RS15B-1.2	15A, black to suit panel thickness up to 1.2mm	5.08
RS15B-3.0	15A, black to suit panel thickness up to 3.0mm	5.08



Emergency Lighting Test Kit - Electronic Type

New compact design. Expandable when used with Eureka TS installation contactors. Can be used DIN mounted in switchboards or surface mounted in optional MCB cover. 90min or 120min selectable test function. Power on indication. Timer initiated indication. 4 pole 16A (AC1) rated. Complies to AS/NZS standards.

Part no.	Description	Price \$
T-ELTUELX	Emergency lighting test kit electronic type – expandable	295.62
T-ELTUE	Emergency lighting test kit – enclosed type	294.95

Eureka Brand Installation Contactors

Snap fit onto din rail. Power ratings 25, 40 and 63. 24VAC and 240VAC coil voltages. Choice of main contact configurations. Operating temperature -5 deg C to +50 deg C

Part No.	Rated Current (AMPS) AC1	Rated Current (AMPS) AC3	Coil Voltage	No. of Contacts	Modules (18mm)	Price \$
TS225-11 24V	25	9	24	1 NC, 1 NO	1	46.67
TS225-20 24V	25	9	24	2 NO	1	46.67
TS225-11 240V	25	9	240	1 NO 1 NC	1	46.67
TS225-20 240V	25	9	240	2 NO	1	46.67
TS425-13 240V	25	9	240	1 NO, 3 NC	2	83.02
TS425-31 240V	25	9	240	3 NO, 1 NC	2	83.02
TS425-40 240V	25	9	240	4 NO	2	83.02
TS425-04 240V	25	9	240	4 NC	2	83.02
TS425-22 240V	25	9	240	2 NO, 2 NC	2	83.02
TS440-40 240V	40	27	240	4 NO	4	153.28
TS463-40 240V	63	30	240	4 NO	4	206.50

Related products:



Delta Variable
Speed Drives
p.266



Eureka
Pilot Lights
p.222



Eaton Motor
Circuit Breakers
p.112



Roller Door
Starters
p.354

Tend LED Work Lights

LED Machine Lights from Tend Technology
50,000 hours minimum service life
100mm OD Light Diameter
6,000 Lum.min./50cm
Wattage : 12Watts
IP65 Rated
Available in 6-30 VAC

Part No.	Description	Price \$
THL10-LW7S	100mm LED Machine light, Pivotal Arm 6-30VAC/DC	273.16
THL10-LW7M	100mm LED Machine light, Med. Stem Arm 6-30VAC/DC	306.29
THL10-LW7L	100mm LED Machine light, Long Stem Arm 6-30VAC/DC	339.36

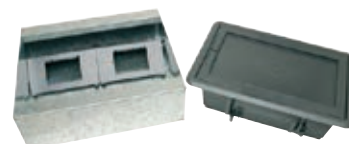


THL10-LW7L

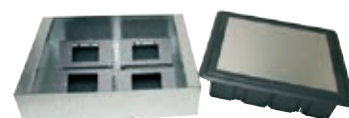
Gewiss Floor Boxes

The Gewiss range of in floor boxes come complete with metal mounting boxes, suitable for use when doing formwork preparation for concrete slabs or timber framing.
Suitable for applications where power and data outlets are required away from the wall cavity.
Applications include -
Open office plans
Hotels
Car showrooms
Theatres
Anywhere you need floor mounted power and data
For mounting dimensions, please call your distributor.

Part no.	Description	Price \$
GW24601C	In floor box to suit 2 x Standard Bakelite outlets, either GPO,S or data outlets. With 6mm hollow rebate cover to suit tiles, carpet or timber	200.92
GW24602C	In floor box to suit 4 x Standard Bakelite outlets, either GPO,S or data outlets. With 6mm hollow rebate cover to suit tiles, carpet or timber	301.38
GW24611C	In floor box to suit 2 x Standard Bakelite outlets, either GPO,S or data outlets. With stainless steel cover	284.45
GW24612C	In floor box to suit 4 x Standard Bakelite outlets, either GPO,S or data outlets. With stainless steel cover	407.48



GW24601C



GW24612C

Compact Safety Switches

Earth leakage, overload, short circuit and over voltage protection.
Same physical size as a 17.5mm wide MCB. From 10 - 25 A, with 30mA sensitivity.
3 and 6kA units available. Switches with line and neutral. Replaces din mounted MCB's or earth leakage devices. Ideal for retro-fit or new commercial consumer switchboards.
Tested to IEC 61009-1 and AS/NZS 61009-1. C curve characteristic.
Please enquire for tech data sheets

3kA UNITS

Part no.	Rated Current A	Price \$
RCBO/1P 10	10	59.77
RCBO/1P 16	16	59.77
RCBO/1P 20	20	59.77

G6000 6kA UNITS

Part no.	Rated Current A	Price \$
G6000-10	10	90.92
G6000-16	16	90.92
G6000-20	20	90.92
G6000-25	25	90.92

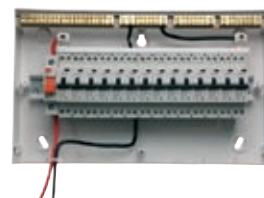


RCBO/1P 16

G6000-20

Compact Safety Switch Accessories

Part no.	Description	Price \$
BUS14G6	Commoning bar, 14 way. 80A to suit G6000 compact safety switch	54.18
TERMG6000	Incomming supply terminal. 80A to suit BUS14G6	13.55



BUS14G6



TERMG6000

DNA PACKS

1 Part Number,
1 Price, 1 Bargain!

*Each pack contains 10 x DNA Isolators,
1 x 50m roll of hose and 20 x hose fittings.
All you have to do is pick the combination you want!*



D TYPE



C TYPE



G TYPE

Code information:

2032 = 20mm hose + 32A 1P DNA
2063 = 20mm hose + 63A 3P DNA
2532 = 25mm hose + 32A 1P DNA
2563 = 25mm hose + 63A 3P DNA

G Type = APP glue-in fittings
D Type = EUR CCF hose fittings
C Type = APP clip lock fittings

All packs come with locknuts as required

WHEN ORDERING, EG: CCS2563G = 1 X 50M ROLL OF 25MM HOSE, 10 X 63A 3P ISOLATORS, 20 X APP GLUE-IN FITTINGS.

DNA Conduit Packs

The Eureka range of corrugated conduit packs enables the installer to purchase all the items required to install a 1 or 3 pole isolator in 1 easy to store and carry carton.

From 1 pole 20A up to 3 pole 63A with varying conduit sizes and fittings to suit.

Each pack contains 10 x DNA Isolators, 1 x 50mtr roll of hose and 20 x conduit fittings with locknuts

Part no.	Description	Price \$
CCS2020C	50M x 20mm hose + 20A 1 pole mini DNA isolator + APP clip lock fittings	237.04
CCS2032C	50M x 20mm hose + 32A 1 pole DNA isolator + APP clip lock fittings	223.49
CCS2032D	50M x 20mm hose + 32A 1 pole DNA isolator + Eureka CCF push in fittings	237.04
CCS2032G	50M x 20mm hose + 32A 1 pole DNA isolator + APP glue in fittings	209.95
CCS2063C	50M x 20mm hose + 63A 3 pole DNA isolator + APP clip lock fittings	285.57
CCS2063D	50M x 20mm hose + 63A 3 pole DNA isolator + Eureka CCF push in fittings	295.73
CCS2063G	50M x 20mm hose + 63A 3 pole DNA isolator + APP glue in fittings	269.77
CCS2532C	50M x 25mm hose + 32A 1 pole DNA isolator + APP clip lock fittings	258.48
CCS2532D	50M x 25mm hose + 32A 1 pole DNA isolator + Eureka CCF push in fittings	269.77
CCS2532G	50M x 25mm hose + 32A 1 pole DNA isolator + APP glue in fittings	243.81
CCS2563C	50M x 25mm hose + 63A 3 pole DNA isolator + APP clip lock fittings	319.44
CCS2563D	50M x 25mm hose + 63A 3 pole DNA isolator + Eureka CCF push in fittings	329.60
CCS2563G	50M x 25mm hose + 63A 3 pole DNA isolator + APP glue in fittings	303.63

Weatherproof Isolators

Voltage rating 240 - 440V AC

Frequency 50 - 60Hz

Current rating (A) 32 and 63A

Degree of protection IP56

Utilisation category M180

Material

Cable size (Maximum)

Standard

Conduit Entry dimension

Thermo plastic

25mm

IEC 947.3

25mm

Part no.	Description	Price \$
EUR1-20	20A 1 pole mini isolator	64.00
EUR3-20	20A 3 pole mini isolator	92.39
EUR3-35	35A 3 pole mini isolator	97.02
DNA-W32-1P	32A 1 pole	68.52
DNA-W63-3P	63A 3 pole	98.88
DNA-W63-4P	63A 4 pole	114.12
DNA-W63-4PY	63A 4 pole red / yellow	114.12
UKP-4P100A	100A 4 pole isolator	203.18

UKF Changeover Isolators

Part no.	Description	Price \$
S3P20C/O	3 pole 20A change over switch	62.08
SP320F/R	3 pole 20A reversing switch	62.08
UKT5-4P100A	4 pole 100A change over switch	293.48

Compact Weatherproof Isolators

IP56

Screwed entry. 240V, 25A.

Part no.	Description	Price \$
UMS1-20	240V 20A IP66 Weatherproof isolator 1 gang lockable	29.91
WSW1	240V 15A IP56 Weatherproof isolator 1 gang	26.86
WSW2	240V 15A IP56 Weatherproof isolator 2 gang	30.14

Weatherproof GPOs

10A units, 250V, IP53, 25mm conduit entries, Rear and side entry

Part no.	Description	Price \$
EUR WPGPO1	10A single GPO	36.23
EUR WPGPO2	10A double GPO	67.05
EUR WPGPCOVER	IP54 weatherproof cover to suit EUR WPGP GPO	16.37

Switchboard / Din Mount GPO

Part no.	Description	Price \$
EUR-DPDGPO 10A	10A single GPO IP32 double pole auto switched, power available indicator when plug inserted	36.40
EUR-DPDGPO 15A	15A single GPO IP32 double pole auto switched, power available indicator when plug inserted	36.40

Eureka



DNA-W63-4PY



EUR3-35



DNA-W63-3P



UMS1-20



WSW1



UKT5-4P100A



EUR WPGPO2 with
EUR WPGPCOVER FITTED



EUR
WPGPCOVER



EUR-DPDGPO 15A

LOGIX
Series 88
 ELECTRICAL PRODUCTS WE BELIEVE IN



88SW1



88SW5



88SW6



88SW1P



88PP1H



88PP1HX



88PP2HX



88PP2H15



88PP4H



88PP2V

The LOGIX range of Bakelite products has features that both home owners and electricians love. Designed in New Zealand, the LOGIX range of products exceeds all Australian electrical standards. Features include -

Available in Designer white

Easy to clean

All sockets fitted with safety shutters

Comes with a 5 year manufacturers warranty

Periodic testing to 100,000 operations

Multiple fixing points (8 off) to suit any application

Strong, robust terminal screw heads

Large 6.00mm diameter terminals provide ample room for cabling

Standard Switches

Part no.	Description	Price \$
88SW1	1 gang 10A switch, white with plate	6.40
88SW2	2 gang 10A switch, white with plate	8.85
88SW3	3 gang 10A switch, white with plate	11.25
88SW4	4 gang 10A switch, white with plate	14.50
88SW5	5 gang 10A switch, white with plate	18.15
88SW6	6 gang 10A switch, white with plate	23.85

Switch Plates

Part no.	Description	Price \$
88SWBP	Blank plate, white	3.80
88SW1P	1 gang blank plate, white	3.80
88SW2P	2 gang blank plate, white	3.80
88SW3P	3 gang blank plate, white	3.80
88SW4P	4 gang blank plate, white	3.80
88SW5P	5 gang blank plate, white	3.80
88SW6P	6 gang blank plate, white	3.80
88SWC	Cover plate only, white	3.80

Horizontal Switched Socket Outlets

Part no.	Description	Price \$
88PP1H	1 gang 10A GPO horizontal, white with plate	7.25
88PP1HX	1 gang 10A GPO with extra switch horizontal, white with plate	10.65
88PP2H	2 gang 10A GPO horizontal, white with plate	8.60
88PP2HX	2 gang 10A GPO with extra switch horizontal, white with plate	14.00
88PP1H15	1 gang 15A GPO horizontal, white with plate	11.20
88PP2H15	2 gang 15A GPO horizontal, white with plate	32.90
88PP4H	4 gang 10A GPO horizontal, white with plate	41.15

Vertical Switched Socket Outlets

Part no.	Description	Price \$
88PP1V	1 gang 10A GPO vertical, white with plate	7.25
88PP1VX	1 gang 10A GPO with extra switch vertical, white with plate	9.90
88PP2V	2 gang 10A GPO vertical, white with plate	8.60
88PP2VX	2 gang 10A GPO with extra switch vertical, white with plate	17.75

Switch Mech's

Part no.	Description	Price \$
88SM16	16A switch mech	4.25
88SM32	32A switch mech	9.30
88SM110	10A intermediate switch mech	10.20
88SMP2	20A press mech	4.10
88SMR4	16A 4 position rotary mech	12.20
88NMR	Illuminated neon mech, red	10.65
88NMG	Illuminated neon mech, green	10.65
88DM500	500VA dimmer mech, leading and trailing	47.70

Data and Communication Mech's

Part no.	Description	Price \$
88TVM	75 ohm TV mech	4.80
88DM5E	Data socket mech Cat5 E/RJ45	7.25
88TVFM	75 ohm TV mech F type (F connection back and front)	4.80
88TVFCM	75 ohm TV mech F type (F connection back coax connection front)	7.25

Electrical Accessories

Part no.	Description	Price \$
88SS1	10A single surface socket with clip on base and loop terminal	4.10
88SS2	10A double surface socket with clip on base and loop terminal	7.90
EUR-JBOX-L	Large junction box with connectors	4.01
EUR-JBOX-S	Small junction box with connectors	3.44
88BH	Standard batten holder	4.10
88MB30	30mm deep mounting block	4.10
88MB18	18mm deep mounting block	4.10
88MBDI	Mounting block double insulated	5.50
WP/CBOX	Weatherproof mounting block with hinged plastic lid	16.14
EUR-PPOBHD	10A portable power outlet, RCBO protected	116.88
EUR-PPOB15	15A portable power outlet, RCBO protected	129.86
EUR-KPPR15C	Inline RCD unit compatible with 3 pin 10A plug, 30mA trip	45.32

Installation Accessories

Part no.	Description	Price \$ per pack
EUR-CC10	Cable clip to suit 1.5mm TPS per 500	16.54
EUR-CC12	Cable clip to suit 2.5mm TPS per 500	16.54
EUR-G32A1	Single screw 32A cable connector per 100	33.86
EUR-G32A2	Double screw 32A cable connector per 50	33.86

Part no.	Description	Price \$ each
EUR-PCLIP	Plaster clip 50 pack	0.68
EUR-155P	Mounting bracket to suit rendered walls per 20 pack	1.47
EUR-155HV/N	Mounting bracket c/w fixing nails to suit plaster / stud walls per 20 pack	1.13
EUR-155HV	Mounting bracket to suit plaster / stud walls per 50 pack	1.02
EUR-SAD16	16mm zinc plated single sided saddle per 150 pack	0.28
EUR-SAD20	20mm zinc plated single sided saddle per 100 pack	0.29
EUR-SAD25	25mm zinc plated single sided saddle per 100 pack	0.41
EUR-SAD32	32mm zinc plated single sided saddle per 50 pack	0.62
EUR-SAD40	40mm zinc plated single sided saddle per 30 pack	0.69
EUR-SAD50	50mm zinc plated single sided saddle per 20 pack	0.79
EUR-GCLIP8-13	Girder clips 8-13mm per 100 pack	0.42
EUR-GCLIP16-20	Girder clips 16-20mm per 100 pack	0.85
EUR-GCLIP25-32	Girder clips 25-32mm per 100 pack	0.96



UNI-T.

IMPROVED
& EXPANDED
RANGE

UT33A



UT60B



UT71B



UT533



UT109



UT12B



UT15C



UT201



UT207A



UT203



UT251C



UT301C



UT303C



UT323



UT391A

Multimeters

Part no.	Description	Price \$
UT120C	Pocket Size Digital Multimeter Auto Ranging	40.00
UT33A	Digital Multimeter Auto Ranging	33.60
UT60B	Digital Multimeter Auto Ranging, MultiFunction	75.25
UT71B	Auto Range True RMS Professional Digital Multimeter Functions include : AC/DC Voltage & Current, Resistance, Capacitance, Frequency, Temperature (°C or °F), Continuity Test, Diode Test. Auto Ranging, Fused 10A Range, Data Hold Function, Peak Hold Function, Auto Power Off, Current Measurement Alarm, Data Logging and Recall, True RMS, Max/Min Mode, Relative Mode, Analogue Bar Graph, Sleep Mode and Low battery indication	290.25
UT533	Digital Insulation Resistance Megohmmeter Multimeter Tester Auto Ranging, Continuity Buzzer, True RMS, Data Hold, Data Logging, Full Icon Display, Backlight, Performs Insulation Resistance Measurements, AC/DC Voltage / Current Measurements, Resistance Measurements, Capacitance Measurement, Frequency Measurement and Temperature testing (-40 degrees C to 537 degrees C)	353.65
UT109	Auto-Range Handheld Automotive Multi-Purpose Meter Marine Multimeter	186.60

AC Voltage Stick

Part no.	Description	Price \$
UT12B	Voltage Detector Stick - Auto	21.05

Multi Function Voltage Tester

Part no.	Description	Price \$
UT15C	MultiFunction Voltage Tester, AC/DC Auto Range	60.20

Digital Clamp Meters

Part no.	Description	Price \$
UT201	Digital Clamp Meter, Auto Range AC Amps	58.45
UT203	Digital Clamp Meter, Auto Range AC/DC Amps	80.85
UT207A	1000A AC/DC Digital Clamp Meter Measures AC current, DC current, AC voltage, DC voltage, resistance and frequency across several different ranges Auto Ranging, Display Count of 6600, Jaw Capacity of 55mm, True RMS (AC Voltage) Duty Cycle 0.1-99%, Diode Test, Auto Power Off, Continuity Buzzer, Data Hold, Low Battery Indicator, Max / Min, LCD Backlight, Full Icon Display, Inrush AC Current, Input Impedance for DCV (around 10MΩ)	225.75

Clamp Meter

Part no.	Description	Price \$
UT251C	High Sensitivity Leakage Current Clamp Meter	282.20

Infrared Laser Thermometer

Part no.	Description	Price \$
UT301C	Infrared Laser Thermometer, -18~550degree C	110.60
UT303C	Infrared Laser Thermometer, -32~1050degree C	172.30

Digital Contact Thermometer

Part no.	Description	Price \$
UT323	Digital Contact Thermometer - Data Logging USB Port	162.55

Laser Distance Meter

Part no.	Description	Price \$
UT391A	Laser Distance Meter, 0.1~70mtr	179.15



**IMPROVED
& EXPANDED
RANGE**



UT261B



UT262C



UT372



UT382



UT511



UT526



UT529C



UT593



UT528AU



UT582

Electric Motor Meters

Part no.	Description	Price \$
UT261B	3 Phase Sequence Rotation Indicator Tester Meter for 415V Motor	139.75
UT262C	3 Phase Sequence Rotation Indicator Tester Clamp Meter CAT III 600V Accurate Determination of Phase Status, Portable & Lightweight LED and Audible Indicators of Phase Status, AC Voltage Range of 70V - 600V, Frequency Range of 40Hz - 70Hz, Clamp Opening of 10mm to 40mm Diameter Automatic Switch Off after three minutes of inactivity Power On Indication	248.30

Digital Laser Tachometer

Part no.	Description	Price \$
UT372	Digital Laser Tachometer, Non Contact	165.55

Lumen Meter

Part no.	Description	Price \$
UT382	Luminometer 20-20000 Lux Lumen Light Meter - Professional	206.20

Insulation Resistance Testers

Part no.	Description	Price \$
UT502	Insulation Resistance Tester, 2500V	291.35
UT511	Insulation Resistance Tester, 1000V Auto Range	270.90
UT513	Insulation Resistance Tester, 5000V Professional Series	541.80
UT526	Electrical Insulation Tester 1000V 500MΩ RCD Test Continuity VAC/DC	305.60
UT529C	1KV Insulation Earth Ground Resistance Volt. Freq. Cap. Continuity Tester Meter	609.15
UT593	Multifunction RCD Loop Megohmmeter Tester	842.80

Digital Earth Leakage Appliance Tester

Part no.	Description	Price \$
UT528AU	Digital Earth Leakage Appliance Tester Manual PAT Tester. Test class I, class II and cables. Battery powered. Displays PASS and FAIL as well as the individual readings for each test. Light weight. One touch testing. Simple to understand and follow. Hard transit case. Performs: Earth Continuity, Insulation Resistance and Live / Neutral Checks for o/c, s/c and crossed	482.57

Digital RCD (ELCB) Tester

Part no.	Description	Price \$
UT582	Digital RCD (ELCB) Tester Trip current settings (10-500mA), Range Selection, Auto Ramp function, Connections Check Function, Phase Switch, Data Hold, Power Off Buzzer, Mis- operation Buzzer, Overload Display, Full Icon Display, Disconnect Buzzer and Fused	203.15
UT585	Digital RCD (ELCB) Tester Selectable range of RCD tests, Data Hold/ Recall Buttons, Auto power off when idle, LCD Backlit Screen, Lightweight and Portable, Battery Powered.	480.15

Accessories & Replacement Leads

Part no.	Description	Price \$
UT-C05	Universal Alligator Clip Cat III 1000V 10A	23.65
UT-L05	Multimeter Extension Test Leads, 1500mm 10A	21.35
UT-L06	Multimeter Extension Test Leads, 1200mm 10A 1000V	21.35
UT-L21	Replacement Test Leads, 950mm 20A	18.95

Eureka

IMPROVED
& EXPANDED
RANGE



MX2-92



MX3-125



MX3-300



MX6-30



MX9-300



MX11-500



MX12-175

INOX Battery Conditioner MX2

Part no.	Description	Price \$
MX2-92	92ml INOX Battery Conditioner (1151)	7.65
MX2-1	1L MX2 Battery Conditioner (1182)	55.80
MX2-5	5L MX2 Battery Conditioner (2001)	240.45

INOX MX3 Lubricant

Part no.	Description	Price \$
MX3-100	100g MX3 INOX Lubricant (1002)	7.05
MX3-125	125ml MX3 INOX Food Grade Lubricant (0900)	6.70
MX3-300	300g MX3 Lubricant (1031)	10.70
MX3FG-300	300g MX3 Lubricant food grade	12.15
MX3-5	5L MX3 INOX Food Grade Lubricant (1071)	74.85
MX3-20	20L MX3 INOX Food Grade Lubricant (1102)	240.45

LANOX MX4 Lanolin Lubricant and Grease

Part no.	Description	Price \$
MX4-300	300g MX4 Lanox Lubricant (4031)	12.80
MX4-5	5L MX4 Lanox Lubricant (4071)	84.90
MX4-20	20L MX4 Lanox Lubricant (4102)	227.35
MX4G-500	500g MX4 Lanoline Food Grade Grease (4520)	19.35

INOX Plus MX5 PTFE Lubricant

Part no.	Description	Price \$
MX5-300	300g INOX PTFE Food Grade Lubricant (5031)	16.75

INOX MX6 Food Grade Grease

Part no.	Description	Price \$
MX6-30	30g Tube MX6 INOX Food Grade Grease	6.65
MX6-400	400g MX6 INOX Food Grade Grease (6000)	30.45
MX6-450	450g MX6 INOX Food Grade Grease (6020)	30.50
MX6-2.5	2.5kg MX6 INOX Food Grade Grease (6040)	131.90

INOX MX7 PTFE Assembly Lube

Part no.	Description	Price \$
MX7-125	125g Extreme Pressure PTFE Paste (7000)	14.45

INOX MX8 PTFE Grease

Part no.	Description	Price \$
MX8-300	300g MX-8 INOX PTFE Spray Grease	14.20
MX8-450	450g MX8 PTFE High Temp Grease (8000)	16.40
MX8-20	20kg MX8 High Temp PTFE Grease (8060)	465.00

INOX MX9 PTFE Chain Lube

Part no.	Description	Price \$
MX9-300	300g MX9 No Chukka Chain Lube with PTFE	18.90

INOX MX11 Chain & Brake Cleaner

Part no.	Description	Price \$
MX11-500	500g Inox Chain & Brake Clean	12.70

INOX MX12 Extreme Pressure Dry Lubricant with PTFE

Part no.	Description	Price \$
MX12-175	175g MX12 Supa Glide With PTFE	18.70



Take off boxes

The Eureka range of take off boxes are ideally suited to be fitted into tight positions within the riser shaft of a multi story building.

Ranging in size from 160A to 400A, they come complete with the option of Fault current limiters (FCL) or a Moulded case circuit breaker (MCCB) fitted.

These units can be easily fitted with the provision off the base being removed for fitting in the preliminary stage of construction and the FCL / MCCB carriage can be fitted later once the mains cables have been fixed in place.

(...A) Please Specify FCL cartridge A size. Fuse cartridge is included in final price.

All units come with set of line taps. Please specify nominal cable size when ordering.

The units also come complete with 600mm tails for connection to the main cable as well a Neutral link.

Please enquire for various options to suit your application



EURETOB160FCL
With cover removed

Part no	Size (A)	Description	Price \$
<i>Units with FCL fitted</i>			
EURETOB160FCL(...A)	160	Complete with 160A fault current limiter fitted	POA
EURETOB250FCL(...A)	250	Complete with 250A fault current limiter fitted	POA
EURETOB400FCL(...A)	400	Complete with 400A fault current limiter fitted	POA
<i>Units with 50kA MCCB fitted</i>			
EURETOB160MCCB	160	Complete with 160A electronic 50kA MCCB fitted	POA
EURETOB240MCCB	250	Complete with 250A electronic 50kA MCCB fitted	POA
EURETOB400MCCB	400	Complete with 400A electronic 50kA MCCB fitted	POA

Temporary Supply switchboards

1 and 3 phase units.

All circuits are RCD protected

Lockable RCD and test point section behind CL001 door

Adjustable insulated overhead lead hook

Insulated tie off bar

Carry handle to assist in installation and removal

Wall mounting tags

20,25 and 32mm glands for incoming / outgoing supply

Hasp and staple for padlock security

Choice of heavy duty collapsible tripod stand or Angle iron steel H stand

RAL 2000 orange

Designed and manufactured in Australia to AS/NZS 3012

NEW



Please enquire for project pricing and individual units to suit your particular needs

Part no.	Description	Price \$
ATTSB1	Standard single phase wall mount temporary supply switchboard less stand C/W 1 x 1 pole 80A isolator 2 x 4 gang , 10A double pole switched outlets 1 x 15A , auto switched double pole outlet	POA
ATTSB3	Standard three phase wall mount temporary supply switchboard less stand C/W 1 x 3 pole 80A isolator 2 x 4 gang , 10A double pole switched outlets 1 x 15A , auto switched double pole outlet 1 x 5 pin 32A IP56 external switched outlet	POA
ATTSBST	Heavy duty collapsible powder coated tripod stand	POA
ATTSBSTH	Heavy duty angle iron steel H stand	POA
ATTSBL	Lighting circuit complete with RCD/MCB protection and test point	POA
ATTSBDS1	1 phase downstream isolator- fully wired C/W 1 pole , 80A isolator and 16mm din mount mains connection terminals	POA
ATTSBDS3	3 phase downstream isolator- fully wired C/W 3 pole , 80A isolator and 16mm din mount mains connection terminals	POA



With H Stand

With Tripod Stand

Power Distribution Pillars (Vic only)

160A to 630A adjustable or non - adjustable MCCB's

Minimum 36kA fault rating. 1.6mm mild steel powder coated

IP 54. As per SIR standards / AS 3439.1 Brunswick green as standard.

Please enquire for other colours. 3 point padlockable doors (Padlocks not included).

Galvanised plinth. MEN link and shrouding included. Dust and vermin proof.

Please enquire for pricing and availability

Price \$
P.O.A.



INDUSTRIAL SWITCHES & PLUG SETS

Marechal Industrial plugs and sockets overview	281
Marechal DSN Decontactors	285
Marechal DS Decontactors.....	287
Marechal DXN ATEX Decontactors	289
Technor EX and flameproof range overview	292
Techno mini connectors IP68	294
Gewiss multi pole connectors	294
Gewiss IEC 309 plug sets	298
Gewiss IEC 309 Reefer plugs and switched sockets.....	299
Gen 3 combination switched socket outlets.....	301
Gen 3 straight and angled plugs	302
Gen 3 IP66 weatherproof load centres	303
Gen 3 switches, socket outlets & accessories.....	303
Gen 3 appliance inlets	304
Gen 3 combination RCD protected switched socket outlets	306



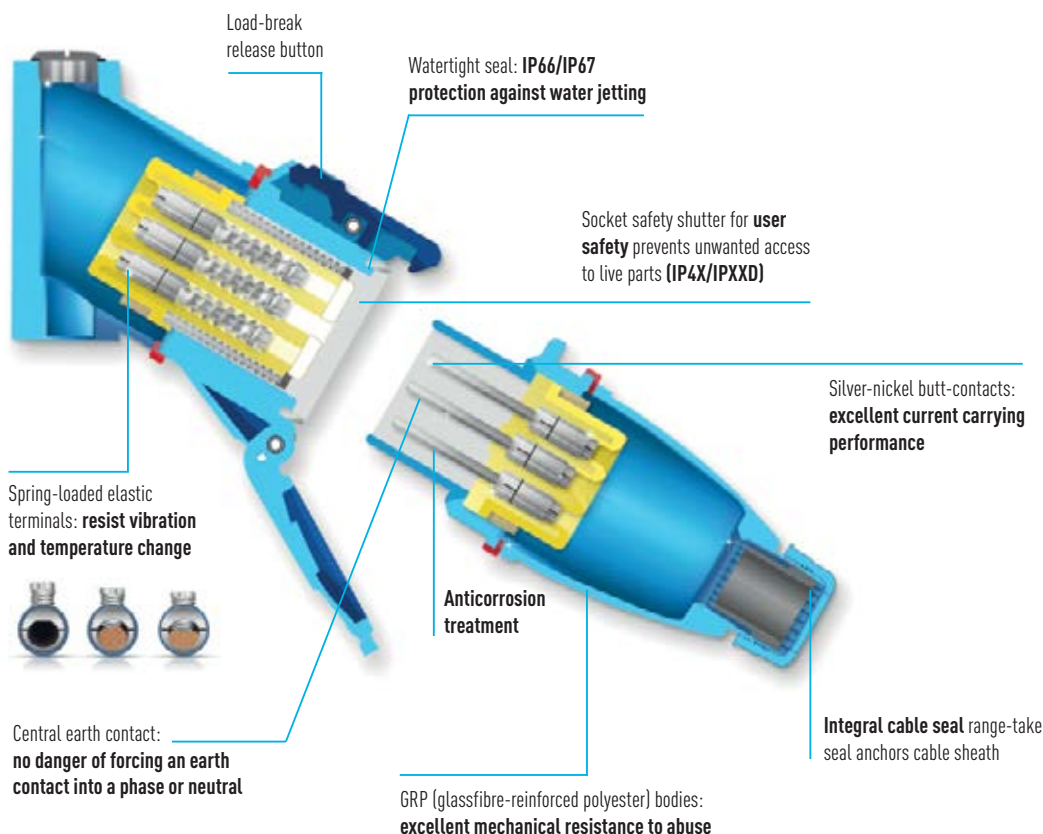
**YOUR FASTER, SAFER, EASIER ELECTRIC CONNECTION
WITH MARECHAL TECHNOLOGY**

marechal.com.au

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AUSTRALIA

NEW DECONTACTOR™ TECHNOLOGY

MARECHAL® DECONTACTOR™ feature a quick-release button and integral load switch which allow any authorised employee to quickly and safely connect or disconnect equipment, even under load, without the need for a qualified electrician. Easy to install, as well as watertight and resistant to chemicals, MARECHAL® DECONTACTOR™ allow equipment to be safely isolated from the electrical supply in seconds. As an alternative to hard-wired equipment, MARECHAL® DECONTACTOR™ minimise down-time, increase productivity and provide greater operational flexibility for static and mobile equipment.



Proven safety in harsh operating conditions

- ▶ Quick-release plug and socket in a compact housing
- ▶ Automatically isolates the power to eliminate the risk of arcing
- ▶ Personal safety is guaranteed at all times.

Dual-voltage sockets reduce installation costs

- ▶ Dual-voltage housing integrates 230V & 400V sockets
- ▶ Reduces the number of connectors in each installation
- ▶ A single socket for 5-pin, 4-pin and 3-pin 230V a.c. plugs

Quality and reliability

- ▶ Spring-loaded butt contacts maintain a reliable electrical connection
- ▶ Contacts tipped with silver-nickel to provide resistance to corrosion
- ▶ Long operational lifetime over a high number of mating cycles



Water-and dust-tight sealing to IP66/IP67 as standard

- ▶ Automatically watertight when plug is inserted into socket
- ▶ Eliminates the need to turn a sealing ring
- ▶ Seal resists steam-cleaning, water-jetting and chemicals

Unique 24-position keying system

MARECHAL® DECONTACTOR™ feature a unique 24-position keying system in which some positions are assigned to a specific operating voltage, whilst others can be assigned to suit each application. This feature increases the flexibility of the installation and allows the overall number of connectors to be reduced.

Better control over equipment

Most MARECHAL® plugs and sockets have optional auxiliary contacts. Connection of thermistor, control or signal is straightforward and does not require a separate connector.

FASTER. SAFER. EASIER.

NEW

Faster maintenance for fixed equipment and higher productivity for mobile equipment

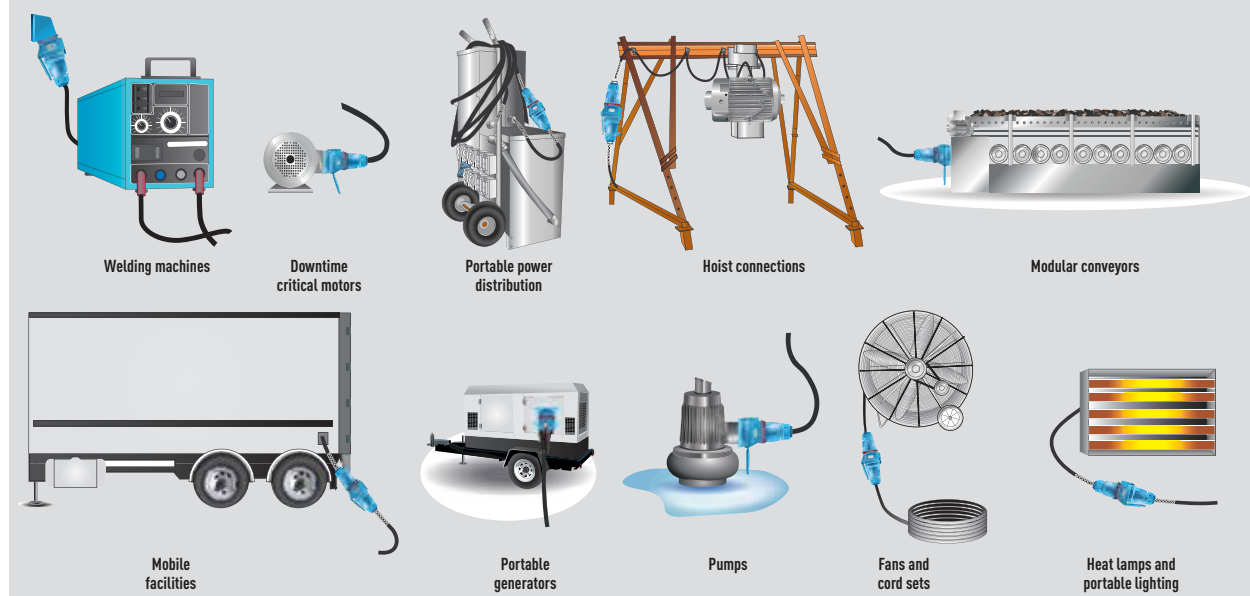
It takes just seconds to disconnect and reconnect equipment fitted with MARECHAL® DECONTACTOR™, with no need to wait for a qualified electrician.

For static equipment, this means faster maintenance. For mobile equipment, it means less down-time and higher productivity.

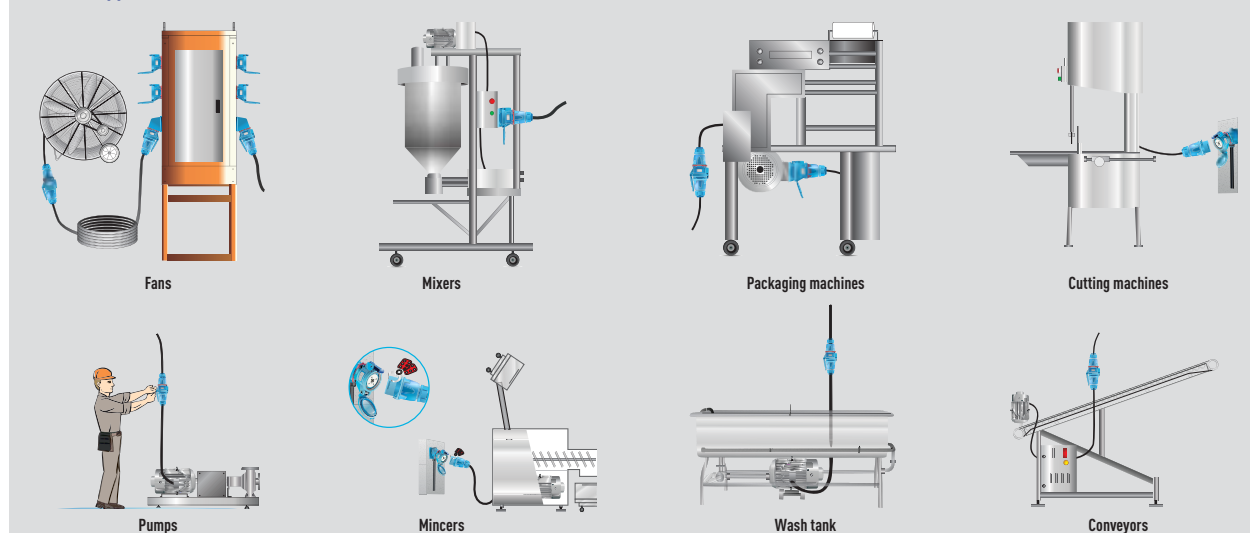
In addition to the automatic isolation, a quick glance is all that is needed to confirm that the equipment has been isolated from the power.

This eliminates the risk of maintenance work being carried out on a live connection.

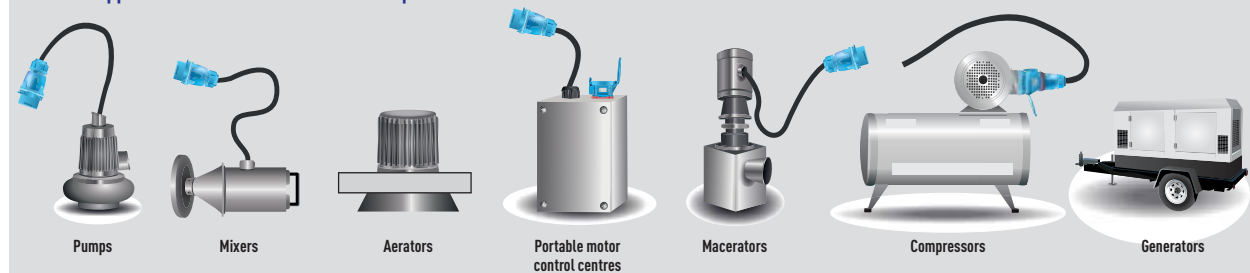
Common applications at power generation facilities:



Common applications at food industries facilities:



Common applications at water and wastewater plants:



INDUSTRIAL POWER SUPPLY

DSN

COMPACT & WATERTIGHT DECONTACTOR™
20 A / 32 A / 63 A

PRODUCT ADVANTAGES

- ▶ IP66/IP67/IP69k AUTOMATIC WATERTIGHTNESS
- ▶ BREAKING CAPACITY AC-22 AND AC-23
- ▶ GRP SHOCK RESISTANT ENCLOSURE

APPLICATIONS

- ▶ **FOOD INDUSTRY**
Motors, conveyors, packaging lines, cutting tools, service boxes...

**DS**

DECONTACTOR™ FOR INDUSTRY
30 A / 50 A / 90 A / 150 A / 250 A

PRODUCT ADVANTAGES

- ▶ SIMPLE & SAFE CONNECTION EVEN AT 250 A
- ▶ BREAKING CAPACITY AC-22 AND AC-23
- ▶ GRP OR METAL CASING

APPLICATIONS

- ▶ **CONSTRUCTION / INFRASTRUCTURES**
- ▶ **WATER TREATMENT**
Generators, engines, machinery, distribution boxes, pumps, electrical boxes...

**DN**

ROBUST DECONTACTOR™
20 A / 30 A / 50 A / 90 A / 150 A

PRODUCT ADVANTAGES

- ▶ EASY TO USE
- ▶ IK09 METAL CASING
- ▶ SUITABLE FOR HARSH ENVIRONMENTS

APPLICATIONS

- ▶ **IRON AND STEEL INDUSTRY**
- ▶ **QUARRIES**
Conveyors, motors, network, cutting machines, crushing...

**PNC
PN**

COMPACT PLUGS AND SOCKETS
16 A / 30 A

PRODUCT ADVANTAGES

- ▶ IP66/IP67 WATERTIGHTNESS AS STANDARD
- ▶ SAFE AND EASY CONNECTION
- ▶ HIGH LIFE CYCLE

APPLICATIONS

- ▶ **TUNNELS AND ROADS**
- ▶ **FOOD INDUSTRY**
Lighting equipment, small engines

**STAR
DELTA**

7 POLE DECONTACTOR™ & CONNECTORS
16 A / 25 A / 32 A / 50 A / 90 A / 150 A

PRODUCT ADVANTAGES

- ▶ SIMPLER AND SAFER THAN HARD WIRING
- ▶ WITHSTANDS HIGH AND REPEATED OVERLOADS

APPLICATIONS

- ▶ **ALL INDUSTRIES**
Star-delta starting, motor connections with two speed regimes

**DB**

DISCONNECTABLE MOTOR SWITCHES
40 A-7,5 kW / 75 A-22 kW / 125 A-45 kW

PRODUCT ADVANTAGES

- ▶ AC-3 MOTOR SWITCH
- ▶ IP66/IP67 AUTOMATIC WATERTIGHTNESS
- ▶ PADLOCKING ANY POSITIONS (ON/OFF)

APPLICATIONS

- ▶ **INDUSTRY**
- ▶ **WATER TREATMENT**
Starting and restarting pumps and motors



	DSN1	DSN3	DSN6
Rated current In (up to)	20 A	32 A	63 A
Umax	500 V	690 V	1000 V
AC-22 switching capability	20 A / 500 V	32 A / 690 V	50 A / 690 V
AC-23 switching capability	20 A / 400 V	32 A / 400 V	63 A / 400 V
Auxiliary contacts (optional)	-	2	4
Keying positions ⁽¹⁾	24 for all DSN range		
IP protection lid closed	IP66/IP67 for all DSN range		
IP protection connected plug	IP66/IP67 for all DSN range		
Ambient temperature	-40°C to +60°C for all DSN range		
Short-circuit current Icc	10 KA for all DSN range		

⁽¹⁾ To differentiate between individual power supplies and applications

DSN range from 20 to 63A

Socket Poly

Part no.	Description	Price \$
<i>Outlets (female)</i>		
6114015	DSN1 20A 220-250V 1P+N+E Socket outlet	177.92
6114013	DSN1 20A 380-440V 3P+E Socket outlet	199.33
6004017	DSN1 20A 220V / 440V 3P+N+E Socket outlet	220.88
6134015	DSN3 32A 220-250V 1P+N+E Socket outlet	334.66
6134013	DSN3 32A 380-440V 3P+E Socket outlet	367.72
6134017	DSN3 32A 220V / 440V 3P+N+E Socket outlet	400.65
6164015	DSN6 63A 220-250V 1P+N+E Socket outlet	537.21
6164013	DSN6 63A 380-440V 3P+E Socket outlet	601.59
6164017	DSN6 63A 220V / 440V 3P+N+E Socket outlet	665.85
<i>Inlets (male)</i>		
6118015	DSN1 20A 220-250V 1P+N+E Inlet	94.71
6118013	DSN1 20A 380-440V 3P+E inlet	112.30
6118017	DSN1 20A 220V / 440V 3P+N+E Inlet	129.75
6138015	DSN3 32A 220-250V 1P+N+E Inlet	133.71
6138013	DSN3 32A 380-440V 3P+E inlet	152.53
6138017	DSN3 32A 220V / 440V 3P+N+E Inlet	171.35
6168015	DSN6 63A 220-250V 1P+N+E Inlet	277.95
6168013	DSN6 63A 380-440V 3P+E inlet	326.24
6168017	DSN6 63A 220V / 440V 3P+N+E Inlet	374.53

Boxes (Cable glands not included)

Part no.	Description	Price \$
611A053	DSN1 20mm entry wall box poly 30 deg	39.99
613A053	DSN3 20mm entry wall box poly 30 deg	70.94
613A083	DSN3 25mm entry wall box poly 30 deg	70.94
616A053	DSN6 25mm entry wall box poly 30 deg	75.65
616A653	DSN3 20mm entry wall box metal and poly sleeve 30 deg	235.98
613A653418	DSN3 25mm entry wall box metal and poly sleeve 30 deg	235.98
613A653419	DSN3 32mm entry wall box metal and poly sleeve 30 deg	235.98
613A653420	DSN3 40mm entry wall box metal and poly sleeve 30 deg	235.98
616A653	DSN6 25mm entry wall box metal and poly sleeve 30 deg	201.69
616A095419	DSN6 32mm entry wall box metal and poly sleeve 30 deg	201.69
616A095420	DSN6 40mm entry wall box metal and poly sleeve 30 deg	201.69
693A095	DSN3 20mm entry wall box metal and straight metal sleeve	372.17
693A095418	DSN3 25mm entry wall box metal and straight metal sleeve	372.17
693A095419	DSN3 32mm entry wall box metal and straight metal sleeve	372.17
693A095420	DSN3 40mm entry wall box metal and straight metal sleeve	372.17
696A095	DSN6 25mm entry wall box metal and straight metal sleeve	230.28
696A09419	DSN6 32mm entry wall box metal and straight metal sleeve	230.28
696A095420	DSN6 40mm entry wall box metal and straight metal sleeve	230.28
873A053	DSN6 25mm entry wall box metal and metal sleeve 70 deg	241.06
873A053419	DSN6 32mm entry wall box metal and metal sleeve 70 deg	241.06
873A053420	DSN6 40mm entry wall box metal and metal sleeve 70 deg	241.06
51AA058	#DSN1 20mm entry BM wall box poly deg	131.11
51BA058	#DSN3 32mm entry BM wall box poly deg	120.59
51C058	#DSN6 32mm entry BM wall box poly deg	146.59

Not drilled and without cable gland



SOCKET OUTLET



SOCKET INLET



WALL BOX POLY 30°



WALL BOX METAL & POLY SLEEVE 30°



WALL BOX METAL & METAL SLEEVE 70°



BM WALL BOX POLY 70°



Sleeves



NEW

INCLINED POLY SLEEVE 30°



BM INCLINED POLY SLEEVE 70°



STRAIGHT METAL SLEEVE



INCLINED METAL SLEEVE 70°



STRAIGHT POLY HANDLE



ANGLED POLY HANDLE



STRAIGHT POLY HANDLE WITH
POLY CABLE GLAND



STRAIGHT METAL HANDLE WITH
METAL CABLE GLAND

Part no.	Description	Price \$
611A057	DSN1 sleeve Inclined poly 30deg	48.16
613A027	DSN3 sleeve Inclined poly 30deg	67.60
616A027	DSN6 sleeve Inclined poly 30deg	82.21
51AA757	DSN1 sleeve BM Inclined poly 30deg	49.77
51BA757	DSN3 sleeve BM Inclined poly 30deg	67.60
51CA757	DSN6 sleeve BM Inclined poly 30deg	102.27
693A127	DSN3 sleeve straight metal	160.71
696A127	DSN6 sleeve straight metal	213.32
873A087	DSN6 sleeve Inclined metal 70 deg	129.51

Handles

Part no.	Description	Price \$
611A013	DSN1 handle 9-18mm straight poly	49.77
613A013	DSN3 handle 5-21mm straight poly	46.92
616A013	DSN6 handle 10-30mm straight poly	68.96
616A473	#DSN6 handle 10-30mm straight poly	87.41
611A413	DSN1 handle 5-21mm straight poly	70.20
01NA313	DSN1 handle 9-18mm angled poly	51.81
611A753	DSN1 handle 5-12mm straight poly with poly cable gland	59.80
611A25325P	DSN1 handle 9-18mm straight poly with poly cable gland	61.78
611A25332P	DSN1 handle 14-25mm straight poly with poly cable gland	64.01
613A753	DSN3 handle 5-12mm straight poly with poly cable gland	68.71
613A25325P	DSN3 handle 9-18mm straight poly with poly cable gland	70.70
613A25332P	DSN3 handle 14-25mm straight poly with poly cable gland	72.92
613A25340P	DSN3 handle 22-32mm straight poly with poly cable gland	78.12
616A25320P	DSN6 handle 5-12mm straight poly with poly cable gland	77.63
616A753	DSN6 handle 9-18mm straight poly with poly cable gland	79.61
616A25332P	DSN6 handle 14-25mm straight poly with poly cable gland	81.94
616A25340P	DSN6 handle 22-32mm straight poly with poly cable gland	87.04
613A693	DSN3 handle 7-13mm straight metal with metal cable gland	115.64
613A95325M	DSN6 handle 8-16mm straight metal with metal cable gland	121.77
616A95320M	DSN6 handle 7-13mm straight metal with metal cable gland	138.71
616A963	DSN6 handle 8-16mm straight metal with metal cable gland	148.72
616A95332M	DSN6 handle 16-24mm straight metal with metal cable gland	152.86
616A95340M	DSN6 handle 22-32mm straight metal with metal cable gland	185.41
611A253417	DSN1 handle M20 straight poly without cable gland with metric threaded entry	40.24
611A253418	DSN1 handle M25 straight poly without cable gland with metric threaded entry	40.24
611A253419	DSN1 handle M32 straight poly without cable gland with metric threaded entry	40.24
613A253417	DSN3 handle M20 straight poly without cable gland with metric threaded entry	49.15
613A253418	DSN3 handle M25 straight poly without cable gland with metric threaded entry	49.15
613A253419	DSN3 handle M32 straight poly without cable gland with metric threaded entry	49.15
613A253420	DSN3 handle M40 straight poly without cable gland with metric threaded entry	49.15
616A253417	DSN6 handle M20 straight poly without cable gland with metric threaded entry	58.07
616A253418	DSN6 handle M25 straight poly without cable gland with metric threaded entry	58.07
616A253419	DSN6 handle M32 straight poly without cable gland with metric threaded entry	58.07
616A253420	DSN6 handle M40 straight poly without cable gland with metric threaded entry	58.07

With built in finger draw plate (recommended for inline connections)

	DS1	DS3	DS6	DS9	DS2
Rated current In (up to)	30 A	50 A	90 A	150 A	250 A
Umax	690 V	1000 V	1000 V	1000 V	1000 V
AC-22 switching capability	16 A / 690 V	32 A / 690 V	63 A / 690 V	150 A / 400 V	250 A / 400 V
AC-23 switching capability	30 A / 400 V	50 A / 400 V	90 A / 400 V	100 A / 440 V	160 A / 440 V
Auxiliary contacts (optional)	2	4	4	6	7
Keying positions ⁽¹⁾	24	24	24	24	12
IP protection lid closed	IP55	IP55	IP55	IP66/IP67	IP55
IP protection connected plug	IP54	IP54	IP54	IP66/IP67	IP54
Ambient temperature	-40°C to +60°C for all DS range				
Short-circuit current Icc	10 KA for all DS range				

⁽¹⁾ To differentiate between individual power supplies and applications

DS range 90-250A

Sockets Poly and Metal

Part no.	Description	Price \$
<i>Outlets (female)</i>		
3164015	DS6 90A 220-250V 1P+N+E Socket outlet	554.92
3164013	DS6 90A 380-440V 3P+E Socket outlet	623.26
3164017	DS6 90A 220V / 440V 3P+N+E Socket outlet	691.73
3194015	DS9 150A 220-250V 1P+N+E Socket outlet	1,187.96
3194013	DS9 150A 380-440V 3P+E Socket outlet	1,360.92
3194017	DS9 150A 220V / 440V 3P+N+E Socket outlet	1,482.75
3924033	DS2 250A metal 220-250V 1P+N+E Socket outlet	2,308.07
3924013	DS2 250A metal 380-440V 3P+E Socket outlet	2,308.07
3924017	DS2 250A metal 220V / 440V 3P+N+E Socket outlet	2,466.17
<i>Inlets (male)</i>		
3168015	DS6 90A 220-250V 1P+N+E Handle	349.27
3168013	DS6 90A 380-440V 3P+E Handle	407.46
3168017	DS6 90A 220V / 440V 3P+N+E Handle	465.77
3198015	DS9 150A 220-250V 1P+N+E Handle	786.57
3198013	DS9 150A 380-440V 3P+E Handle	437.74
3198017	DS9 150A 220V / 440V 3P+N+E Handle	1,089.03
3928033	DS2 250A metal 220-250V 1P+N+E Handle	1,355.97
3928013	DS2 250A metal 380-440V 3P+E Handle	1,355.97
3928017	DS2 250A metal 220V / 440V 3P+N+E Handle	1,573.38

Boxes (Cable glands not included)

Part no.	Description	Price \$
316A053	DS6 20mm entry wall box poly 30 deg	94.66
399A053	DS9 50mm entry wall box metal 30 deg	472.16
399A053463	DS9 63mm entry wall box metal 30 deg	472.16
392A053	DS2 63mm entry wall box metal and metal sleeve 60 deg	848.47
392A053475	DS2 75mm entry wall box metal and metal sleeve 60 deg	1,104.34
396A653418	DS6 25mm entry wall box metal and metal sleeve 30 deg	325.87
396A653419	DS6 32mm entry wall box metal and metal sleeve 30 deg	325.87
396A653	DS6 40mm entry wall box metal and metal sleeve 30 deg	325.87
396A653429	DS6 50mm entry wall box metal and metal sleeve 30 deg	325.87
399A653	DS9 50mm entry wall box metal and metal sleeve 30 deg	414.15
399A053463	DS9 63mm entry wall box metal and metal sleeve 30 deg	414.15
396A095418	DS6 25mm entry wall box metal and straight metal sleeve	444.23
396A095419	DS6 32mm entry wall box metal and straight metal sleeve	444.23
396A095	DS6 40mm entry wall box metal and straight metal sleeve	444.23
396A095429	DS6 50mm entry wall box metal and straight metal sleeve	444.23
399A653420	DS9 40mm entry wall box metal and straight metal sleeve	414.15
399A095	DS9 50mm entry wall box metal and straight metal sleeve	524.95
399A095463	DS9 63mm entry wall box metal and straight metal sleeve	524.95
876A053418	DS6 25mm entry wall box metal and metal sleeve 70 deg	300.24
876A053419	DS6 32mm entry wall box metal and metal sleeve 70 deg	300.24
876A053	DS6 40mm entry wall box metal and metal sleeve 70 deg	300.24
876A053429	DS6 50mm entry wall box metal and metal sleeve 70 deg	300.24
879A823420	DS9 40mm entry wall box metal and metal sleeve 70 deg	479.27
879A823420	DS9 50mm entry wall box metal and metal sleeve 70 deg	479.27
879A823463	DS6 63mm entry wall box metal and metal sleeve 70 deg	479.27
51DA085	#DS6 40mm entry BM wall box poly 70 deg	160.09

Not drilled and without cable gland



SOCKET OUTLET



SOCKET INLET



WALL BOX POLY 30°



WALL BOX METAL 30°



WALL BOX METAL & METAL SLEEVE 60°



WALL BOX METAL & METAL SLEEVE 30°



INCLINED POLY SLEEVE 30°



BM INCLINED POLY SLEEVE 70°



STRAIGHT METAL SLEEVE



INCLINED METAL SLEEVE 30°



STRAIGHT POLY HANDLE

STRAIGHT ELASTOMER
HANDLESTRAIGHT POLY HANDLE WITH
POLY CABLE GLANDSTRAIGHT METAL HANDLE WITH
METAL CABLE GLANDSTRAIGHT POLY HANDLE
WITHOUT CABLE GLAND, WITH
METRIC THREADED ENTRY

Sleeves

Part no.	Description	Price \$
316A027	DS6 sleeve inclined poly 30 deg	93.72
319A027	DS9 sleeve inclined poly 30 deg	177.79
51DA757	DS6 sleeve BM inclined poly 70 deg	94.71
396A027	DS6 sleeve inclined metal 30 deg	161.82
399A027	DS9 sleeve inclined metal 30 deg	190.80
396A127	DS6 sleeve straight metal	278.33
399A127	DS9 sleeve straight metal	340.23
392A027	DS2 sleeve inclined metal 60 deg	261.24
876A087	DS6 sleeve inclined metal 70 deg	155.37
879A087	DS9 sleeve inclined metal 70 deg	196.73

Handles

Part no.	Description	Price \$
316A013	DS6 handle 13-35mm straight poly	89.76
316A473	#DS6 handle 13-35mm straight poly	101.03
659A013D35	DS9 handle 25-35mm straight elastomer	245.52
659A013D45	DS9 handle 35-45mm straight elastomer	245.52
659A013D49	DS9 handle 45-49mm straight elastomer	245.52
325A013D35	DS2 handle 25-35mm straight elastomer metal	373.41
352A013D45	DS2 handle 35-45mm straight elastomer metal	373.41
352A013D49	DS2 handle 45-49mm straight elastomer metal	373.41
316A25325P	DS6 handle 9-18mm straight poly with poly cable gland	108.09
316A25332P	DS6 handle 14-25mm straight poly with poly cable gland	110.31
316A753	DS6 handle 18-32mm straight poly with poly cable gland	115.51
316A25350P	DS6 handle 24-38mm straight poly with poly cable gland	119.85
619A25363P	DS9 handle 35-48mm straight poly with poly cable gland	149.32
316A95325M	DS6 handle 9-18mm straight metal with metal cable gland	187.88
316A95332M	DS6 handle 14-25mm straight metal with metal cable gland	195.74
316A963	DS6 handle 18-32mm straight metal with metal cable gland	214.07
316A95350M	DS6 handle 24-38mm straight metal with metal cable gland	250.34
392A913	DS2 handle 40-54mm straight metal with metal cable gland	769.73
392A916-63	DS2 handle 54-63mm straight metal with metal cable gland	769.73
316A253418	DS6 handle M25 straight poly without cable gland with metric threaded entry	86.54
316A253419	DS6 handle M32 straight poly without cable gland with metric threaded entry	86.54
316A253420	DS6 handle M40 straight poly without cable gland with metric threaded entry	86.54
316A253429	DS6 handle M50 straight poly without cable gland with metric threaded entry	86.54
619A253463	DS9 handle M63 straight poly without cable gland with metric threaded entry	125.38
392A253463	DS2 handle M63 straight poly without cable gland with metric threaded entry	140.77

With built in finger draw plate (recommended for inline connections)



ATEX

DXN

COMPACT & WATERTIGHT DECONTACTOR™
20 A / 32 A / 63 A

PRODUCT ADVANTAGES

- ▶ IP66/IP67 AUTOMATIC WATERTIGHTNESS
- ▶ INTEGRAL BREAKING CAPACITY
- ▶ HIGH PERFORMANCE POLY CASING

APPLICATIONS

- ▶ CHEMICAL, PETROCHEMICAL
 - ▶ PHARMACEUTICAL INDUSTRY
 - ▶ FOOD INDUSTRY
- Networks (tooling, ATEX lighting),
motors, process, coupler-sockets



DX

METAL DECONTACTOR™
20 A / 32 A / 63 A / 125 A / 200 A

PRODUCT ADVANTAGES

- ▶ IP65 AUTOMATIC WATERTIGHTNESS
- ▶ INTEGRAL BREAKING CAPACITY
- ▶ LOCKING POSITION CONNECTED OR DISCONNECTED BY LOCKABLE SHAFT

APPLICATIONS

- ▶ CHEMICAL, PETROCHEMICAL
 - ▶ INDUSTRY AND OIL EXPLORATION
- Networks, motors



PXN_{12C} DXN_{25C} DXN_{37C}

MULTICONTACT CONNECTORS
10 A

PRODUCT ADVANTAGES

- ▶ FROM 12 TO 37 CONTACTS
- ▶ CONNECTION OR DISCONNECTION SCREW LOCKING
- ▶ CORROSION-RESISTANT METAL CASING

APPLICATIONS

- ▶ CHEMICAL, PETROCHEMICAL
 - ▶ PHARMACEUTICAL INDUSTRY
 - ▶ FOOD INDUSTRY
- Control / signal



SPeX

SINGLE POLE POWER CONNECTOR
UP TO 680 A + PILOT CONTACTS

PRODUCT ADVANTAGES

- ▶ IP65/IP66 AUTOMATIC WATERTIGHTNESS
- ▶ ELECTROMECHANICAL LOCKING SYSTEM
- ▶ MECHANICAL AND VISUAL KEYING POSITION

APPLICATIONS

- ▶ ENERGY



MXBs

SOCKET BOXES
UP TO 63 A - 750 V

PRODUCT ADVANTAGES

- ▶ IP66 AUTOMATIC WATERTIGHTNESS
- ▶ UP TO 24 SOCKET-OUTLETS
- ▶ ABILITY TO MOUNT BOTH SOCKET-OUTLETS AND MULTICONTACT CONNECTORS ON THE SAME BOX

APPLICATIONS

- ▶ CHEMICAL, PETROCHEMICAL
 - ▶ PHARMACEUTICAL INDUSTRY
 - ▶ FOOD INDUSTRY
- ATEX equipment network



MXBJ

JUNCTION BOXES
UP TO 350 A - 750 V

PRODUCT ADVANTAGES

- ▶ IP66 AUTOMATIC WATERTIGHTNESS
- ▶ UP TO 402 Exe TERMINALS FROM 1,5MM² TO 240MM²
- ▶ CONSTRUCTED FROM REINFORCED POLYESTER RESIN WITH FIBREGLASS AND GRAPHITE

APPLICATIONS

- ▶ CHEMICAL, PETROCHEMICAL
- ▶ PHARMACEUTICAL INDUSTRY
- ▶ FOOD INDUSTRY

ATEX equipment network, ATEX Socket-outlets networks, coupler-sockets circuits





	DXN1	DXN3	DXN6
Rated current In (up to)	20 A	32 A	63 A
Umax	550 V	750 V	750 V
Auxiliary contacts (optional)	-	2	2
Keying positions ⁽¹⁾	24 for all DXN range		
IP protection lid closed	IP66/IP67 for all DXN range		
IP protection connected plug	IP66/IP67 for all DXN range		
Ambient temperature	See product sticker for all DXN range		
Protection mode	«de» for all DXN range		
ATEX zones	1 & 2 (gas) and 21 & 22 (dusts) for all DXN range		

⁽¹⁾ To differentiate between individual power supplies and applications



DXN

COMPACT & WATERTIGHT ATEX DECONTACTOR™

20 A / 32 A / 63 A

Plugs and socket-outlets with load-break capability complying with IEC EN 60309-1 and IEC EN 60309-4.

- ▶ «de» protection mode
- ▶ Zones 1 & 2 (gas) and 21 & 22 (dusts)
- ▶ IP66/IP67 as standard features
- ▶ High performance poly casing

DXN range from 20 to 63A

Sockets



SOCKET OUTLET



SOCKET INLET

Part no.	Description	Price \$
<i>Outlets (female)</i>		
2514015	DXN1 20A 220-250V 1P+N+E Socket outlet	478.03
2514013	DXN1 20A 380-440V 3P+E Socket outlet	506.63
2514017	DXN1 20A 380-440V 3P+N+E Socket outlet	535.11
2534015	DXN3 32A 220-250V 1P+N+E Socket outlet	663.50
2534013	DXN3 32A 380-440V 3P+E Socket outlet	699.40
2534017	DXN3 32A 380-440V 3P+N+E Socket outlet	735.31
2564015	DXN6 63A 220-250V 1P+N+E Socket outlet	1,001.62
2564013	DXN6 63A 380-440V 3P+E Socket outlet	1,021.31
2564017	DXN6 63A 380-440V 3P+N+E Socket outlet	1,040.87
<i>Inlets (male)</i>		
6118015	DXN1 20A 220-250V 1P+N+E Inlet	156.99
6118013	DXN1 20A 380-440V 3P+E inlet	179.65
6118017	DXN1 20A 380-440V 3P+N+E Inlet	202.31
6138015	DXN3 32A 220-250V 1P+N+E Inlet	253.19
6138013	DXN3 32A 380-440V 3P+E inlet	287.36
6138017	DXN3 32A 380-440V 3P+N+E Inlet	321.53
6168015	DXN6 63A 220-250V 1P+N+E Inlet	477.04
6168013	DXN6 63A 380-440V 3P+E inlet	533.75
6168017	DXN6 63A 380-440V 3P+N+E Inlet	590.33



Boxes (Ex cable gland included)

Part no.	Description	Price \$
251AB53	DXN1 20mm EX entry 10-14mm wall box poly 30 deg	121.58
251AB5325P	DXN1 25mm EX entry 12-18mm wall box poly 30 deg	121.58
253AB53	DXN3 20mm EX entry 10-14mm wall box poly 30 deg	169.12
253AB5325P	DXN3 25mm EX entry 12-18mm wall box poly 30 deg	169.12
256AB53	DXN6 25mm EX entry 12-18mm wall box poly 30 deg	203.05
251AB58	DXN1 20mm EX entry 10-14mm wall box poly 70 deg	269.41
251AB5825P	DXN1 25mm EX entry 12-18mm wall box poly 70 deg	292.69
251AB5832P	DXN1 25mm EX entry 16-25mm wall box poly 70 deg	304.08
253AB5820P	DXN3 20mm EX entry 10-14mm wall box poly 70 deg	299.74
253AB5820P	DXN3 25mm EX entry 12-18mm wall box poly 70 deg	287.36
253AB5832P	DXN3 25mm EX entry 16-25mm wall box poly 70 deg	313.36
256AB5820P	DXN6 20mm EX entry 10-14mm wall box poly 70 deg	438.00
256AB5825P	DXN6 25mm EX entry 12-18mm wall box poly 70 deg	451.91
256AB58	DXN6 25mm EX entry 16-25mm wall box poly 70 deg	421.33
256AB5840P	DXN6 25mm EX entry 24-34mm wall box poly 70 deg	543.77

Sleeves

Part no.	Description	Price \$
251A057	DXN1 sleeve inclined poly 30 deg	48.16
253A027	DXN3 sleeve inclined poly 30 deg	70.20
256A027	DXN6 sleeve inclined poly 30 deg	129.01
251A757	DXN1 sleeve inclined poly 70 deg	91.62
253A757	DXN3 sleeve inclined poly 70 deg	111.98
256A757	DXN6 sleeve inclined poly 70 deg	139.41

Handles

Ex cable gland included

Part no.	Description	Price \$
251A753	DXN1 handle M20 10-14mm straight poly	49.64
251A25325P	DXN1 handle M25 12-18mm straight poly	52.31
251A25332P	DXN1 handle M32 18-25mm straight poly	62.05
253A753	DXN3 handle M20 10-14mm straight poly	75.23
253A783	DXN3 handle M25 12-18mm straight poly	82.55
253A25332P	DXN3 handle M32 16-25mm straight poly	91.20
253A25340P	DXN3 handle M40 24-34mm straight poly	145.89
256A25320P	DXN6 handle M20 10-14mm straight poly	104.45
256A753	DXN6 handle M25 12-18mm straight poly	110.10
253A25332P	DXN6 handle M32 16-25mm straight poly	120.00
256A25340P	DXN6 handle M40 24-34mm straight poly	175.88



NEW

WALL BOX POLY 30°



WALL BOX POLY 70°



INCLINED POLY SLEEVE 30°



INCLINED POLY SLEEVE 70°



STRAIGHT POLY HANDLE



A WIDE RANGE OF TECHNOLOGICALLY ADVANCED PRODUCTS

- ▶ SAFETY OF PEOPLE
- ▶ EQUIPMENT AND INFRASTRUCTURE IN POTENTIALLY EXPLOSIVE ATMOSPHERE

TECHNOR is a worldwide technology company of **MARECHAL ELECTRIC GROUP**, with operational businesses in Italy, United Arab Emirates and Singapore. **TECHNOR** has a high level of experience in developing and designing Ex equipment for most applications.

The company main markets are within Oil & Gas and Petrochemical Industries.

Products enable safe transport and application of electric signals and power in potentially explosive atmospheres.

The core business is in the electrical, instrumentation and electronics fields.

All the equipment for use in explosive atmosphere satisfy the requirements of international and national regulations (Atex, IECEx and TR CU (GOST) and each individual systems' component is certified in accordance with specific Ex-certification requirements.

■ LIGHTING

RMS... SERIES IP66/IP67, Ex-nA, Ex-de Fluorescent Lights



Ideal for Onshore and Offshore, Marine applications and for all kinds of industry where a high level of corrosion resistance is required. Stainless steel AISI-304 or AISI-316L body, glass tempered window and glass-frame done in one unit without welding.

EVF-P Ex-de, Ex-em Fluorescent Lights



Fluorescent luminaries manufactured with cylindrical polycarbonate lamp housing and two end-cups in Copper free aluminium. The high resistance polycarbonate light housing is made of 3 different layers extrusion with UV filter to grant the best possible protection against direct sun heating and radiation effects. Shape has been designed to minimize wind resistance. Suitable for marine environment conditions.

EVde... Ex-de, Discharge Lighting Fixtures



Range of built-in control gear HID lighting fixtures, for general lighting applications, providing Ex-e junction box, adjustable SS AISI 304 mounting bracket suitable for universal installation, facilitate mounting and maintenance. Compact design in aluminium grade body, for onshore and offshore applications.

FL... Ex-de, Discharge Floodlights



HID floodlight, for general lighting application, platform installation, cranes, providing integral looping facility Ex-e junction box, stainless steel adjustable fixing bracket, built-in ballast, internal anti-condensation paint, compact design in aluminium grade body as well as stainless steel, for onshore and offshore installation.

TECHNOR

NEW



■ FLAMEPROOF ENCLOSURES

GUB..., EJB... Ex-d IIB, IIB+H2 and IIC Enclosure



Large range of enclosures manufactured in Copper free aluminium, Cast Iron or Stainless steel. Ideal for instrument housing, control, check, connection, automation, interruption and/or protection use. They can be equipped with pushbuttons, pilot lamps and selector switches. Enclosures can be customized project by project to get control panel, lighting distribution boards, heat tracing distribution boards, motor starters, as well as, assembled together, or mounted on a self supporting frame, generate switch-rack for onshore and offshore applications.

■ JUNCTION BOXES

AQ-AR... Ex-e and Ex-ia Enclosure



The AQ/AR range of stainless steel AISI-316L enclosure used as instrument and electrical terminal boxes, as well as control panels equipped with push button and switches, all designed for use in any environment where an explosive atmosphere may be present and are especially recommended for chemical agent environments, sea-water corrosion resistance and extremis of low and high temperature, offshore and onshore oriented.

■ CONTROL STATIONS

CP... /EF... Ex-d, Ex-e, Ex-de, Ex-dem Control Station



Range of GRP, Copper free aluminium or Stainless Steel control stations designed to offer a flexible, light weight and cost effective solution tailor made upon customer request. To be assembled with Ex-de operators in case EF.. Ex-de version and with PL.. operators in case of CP.. Ex-d version.

■ VISUAL SIGNAL

AWL... SERIES EV-de Ex-d, Ex-de IIC Warning Lights



The top of technology among Aircraft Warning Lights, LIOL, MIOL with LED technology, reliable long life and maintenance saving products, in compliance with ICAO and FAA, along with signalization unit like beacons, flashing unit, rotating light.

■ CABLE GLANDS & ACCESSORIES

P... Ex-d/e Cable Glands



Single seal, double seals cable glands, suitable for unarmored and armored cables. Nickel-chrome plated brass, stainless steel and aluminum made, hexagon shape, anti-ageing EPDM oil resistant gaskets. These cable glands are used in classified Area Zone 1 & 2 and Zone 21 & 22.

GEWISS**NEW**

THB.402.C1F



THB.405.A2A & THB.405.B2A



THB.405 & THB.405 Joined



THB.392.A4A

**IMPROVED
& EXPANDED
RANGE**

GW 76760



GW 76763

Techno - Mini Connectors IP68

The Techno range of mini connectors offers customers an innovative, space saving and reliable connection alternative to old fashioned connectors and junction boxes.

With current ranges from 10Amps up to 32Amps there is a connection system to suit many applications. IP68. Made in Italy to high standards. Connectors come in plug and play version or fixed configuration. Inline, Tee off and even a 4 way tee off is available.

All connectors have screw terminals as standard.

There are connectors to suit many applications, please enquire for more models or check out the website www.techno.it

Part No.	Description	Dimension (L x W x dia)	Cable Size (dia mm)	Amps @ 450V	Price \$
<i>Tee Tube Range of Connectors</i>					
THB.390.C1A	3 wire, 3 way short tee connector IP68	72 x 92 x 32	7.0 - 13.5	32	18.00
THB.391.A3A	3 wire, 2 way inline connector IP68	68 x (no width) x 23	7.0 - 12.0	32	17.00
THB.391.A4A	4 wire, 2 way inline connector IP68	68 x (no width) x 23	7.0 - 12.0	32	18.00
THB.400.D1N	3 wire, 2 way inline connector IP68	115-130 x (no width) x 26.5-32	8.0 - 17.0	32	16.00
THB.400.D1A	5 wire, 2 way inline connector IP68	115-130 x (no width) x 26.5-33	8.0 - 17.0	32	20.00
THB.402.C1F	5 wire, 3 way long tee connector IP68	121 x 92 x 32	7.0 - 13.5	32	20.00
<i>Tee Plug Range of Plugs and Sockets</i>					
THB.387.A4A	4 wire male plug IP68, comoulded seals and grommets	85 x (no width) x 23	7.0 - 12.0	17.5	16.00
THB.387.B4A	4 wire female plug IP68, comoulded seals and grommets	85 x (no width) x 23	7.0 - 12.0	17.5	16.00
THB.405.A2A	5 wire male plug IP68	74 x (no width) x 36.5	7.0 - 14.0	25	20.00
THB.405.B2A	5 wire female plug IP68	70 x (no width) x 36.5	7.0 - 14.0	25	16.00
THB.406.A1A	5 wire male plug IP68, panel mount, with lock nut	40 x (no width) x 39.5	7.0 - 14.0	25	15.00
<i>Tee Tube 4 Way Distributor</i>					
THB.392.A4A	4 wire. 1 in 3 out IP68 mini comoulded tapoff connector	80 x 54 x 28	8.0 - 12.0	17.5	40.00

Gewiss Multi-Pole Connectors IP65

IP65. Complies to EN61984

Screw connection. 3 pole to 48 pole units

Technopolymer plastic rated from -40c to +125c

10 and 16A. 10A units with insulated housing

16A units come with a metal housing (Earth connection)

All units come with PG cable entry.

Please refer to p.335 for nylon and metal PG cable glands

Complete Units - With Sockets and Housings

Part no.	No. of poles	(A) rating	Hood outlet entry	Housing mounting	PG entry size	Price \$
<i>Technopolymer Plastic</i>						
GW76741	3P+E	10	vertical	angled flush	PG11	42.45
GW76742	3P+E	10	vertical	straight flush	PG11	41.20
GW76743	4P+E	10	vertical	angled flush	PG11	47.85
GW76744	4P+E	10	vertical	straight flush	PG11	46.45
<i>Aluminium Alloy</i>						
GW76749	6P+E	16	horizontal	flush	PG16	86.05
GW76764	6P+E	16	vertical	surface	PG16	90.65
GW76750	10P+E	16	horizontal	flush	PG16	130.10
GW76760	10P+E	16	vertical	surface	PG16	155.50
GW76751	16P+E	16	horizontal	flush	PG21	184.75
GW76761	16P+E	16	vertical	surface	PG21	187.35
GW76752	24P+E	16	horizontal	flush	PG21	184.75
GW76762	24P+E	16	vertical	surface	PG21	219.25
GW76753	32P+E	16	horizontal	flush	PG36	402.95
GW76763	32P+E	16	horizontal	surface	PG36	478.40

GEWISS

**IMPROVED
& EXPANDED
RANGE**

3 and 4 Pole Socket Inserts

Part no.	Material	No. of poles	(A) rating	Description	Price \$
GW76001	technopolymer plastic	3P+E	10	female socket outlet insert	11.30
GW76101	technopolymer plastic	3P+E	10	male plug outlet insert	12.35
GW76002	technopolymer plastic	4P+E	10	female socket outlet insert	11.30
GW76102	technopolymer plastic	4P+E	10	male plug outlet insert	12.35

6 Pole Socket Inserts

Part no.	Material	No. of poles	(A) rating	Description	Price \$
GW76003	technopolymer plastic	6P+E	16	female socket outlet insert	22.05
GW76103	technopolymer plastic	6P+E	16	male plug outlet insert	22.05

10 Pole Socket Inserts

Part no.	Material	No. of poles	(A) rating	Description	Price \$
GW76004	technopolymer plastic	10P+E	16	female socket outlet insert	32.25
GW76104	technopolymer plastic	10P+E	16	male plug outlet insert	32.25

16 Pole Socket Inserts

Part no.	Material	No. of poles	(A) rating	Description	Price \$
GW76005	technopolymer plastic	16P+E	16	female socket outlet no 1-16	53.75
GW76105	technopolymer plastic	16P+E	16	male plug outlet no 1-16	53.75
GW76006	technopolymer plastic	16P+E	16	female socket outlet no 17-32	53.75
GW76106	technopolymer plastic	16P+E	16	male plug outlet no 17-32	53.75

24 Pole Socket Inserts

Part no.	Material	No. of poles	(A) rating	Description	Price \$
GW76007	technopolymer plastic	24P+E	16	female socket outlet no 1-24	59.15
GW76107	technopolymer plastic	24P+E	16	male socket outlet no 1-24	59.15
GW76008	technopolymer plastic	24P+E	16	female socket outlet no 25-48	59.15
GW76108	technopolymer plastic	24P+E	16	male socket outlet no 25-48	59.15

32 Pole Socket Inserts

Part no.	Material	No. of poles	(A) rating	Description	Price \$
GW76005	technopolymer plastic	32P+E	16	female socket outlet no 1-16	53.75
GW76105	technopolymer plastic	32P+E	16	male socket outlet no 1-16	53.75
GW76006	technopolymer plastic	32P+E	16	female socket outlet no 17-32	53.75
GW76106	technopolymer plastic	32P+E	16	male socket outlet no 17-32	53.75

48 Pole Socket Inserts

Part no.	Material	No. of poles	(A) rating	Description	Price \$
GW76007	technopolymer plastic	48P+E	16	female socket outlet no 1-24	59.15
GW76106	technopolymer plastic	48P+E	16	male socket outlet no 1-24	59.15
GW76008	technopolymer plastic	48P+E	16	female socket outlet no 25-48	59.15
GW76108	technopolymer plastic	48P+E	16	male socket outlet no 25-48	59.15

also available on indent are high current models in 12 pole 35a and 4 pole 80a.



GW76001



GW76003



GW76004



GW 76008

GEWISS**IMPROVED
& EXPANDED
RANGE**

GW 76212



GW 76202



GW 76208



GW 76211



GW 76227



GW 76351



GW 76551

3 and 4 Pole Housings and Accessories

Part no.	Material	Description	Thread	Price \$
GW76207	technopolymer plastic	straight hood 2 pins	PG11	12.90
GW76227	technopolymer plastic	straight hood 2 pins	M20	12.90
GW76211	technopolymer plastic	straight hood lever	PG11	12.90
GW76231	technopolymer plastic	straight hood lever	M20	12.90
GW76801	technopolymer plastic	female cover 2 pins	N/A	12.90
GW76803	technopolymer plastic	male cover 2 pins	N/A	12.90
GW76202	aluminium alloy	straight flush with lever	N/A	15.05
GW76226	aluminium alloy	angled surface with lever	M20	15.05
GW76208	aluminium alloy	straight hood 2 pins	PG11	15.05
GW76212	aluminium alloy	straight hood lever	PG11	15.05
GW76802	aluminium alloy	female cover 2 pins	N/A	15.05
GW76804	aluminium alloy	male cover 2 pins	N/A	15.05

6 Pole Housings and Accessories

Part no.	Material	Description	Thread	Price \$
GW76351	aluminium alloy	surface mount with lever	M20	43.00
GW76401	aluminium alloy	flush mount with lever	N/A	38.70
GW76502	aluminium alloy	horizontal hood with 2 pins	PG16	27.95
GW76551	aluminium alloy	horizontal hood with 2 pins	M20	27.95
GW76813	aluminium alloy	protection cover with 2 pins	N/A	30.10
GW76818	aluminium alloy	protection cover with lever	N/A	30.10

10 Pole Housings and Accessories

Part no.	Material	Description	Thread	Price \$
GW76363	aluminium alloy	surface mount with lever and cover	M20	55.90
GW76555	aluminium alloy	horizontal hood with 2 pins	M20	32.25
GW76372	aluminium alloy	surface mount with 2 levers	M20	43.00
GW76570	aluminium alloy	vertical hood with 4 pins	M20	43.00
GW76569	aluminium alloy	horizontal hood with 4 pins	M20	43.00
GW76814	aluminium alloy	protection cover with 2 pins	N/A	31.20
GW76805	aluminium alloy	protection cover with 4 pins	N/A	31.20

16 Pole Housings and Accessories

Part no.	Material	Description	Thread	Price \$
GW76374	aluminium alloy	surface mount with 2 levers	M25	73.10
GW76571	aluminium alloy	horizontal hood with 4 pins	M25	62.35
GW76572	aluminium alloy	vertical hood with 4 pins	M25	62.35
GW76806	aluminium alloy	protection cover with 4 pins	N/A	35.50
GW76810	aluminium alloy	protection cover with 2 levers	N/A	35.50

24 Pole Housings and Accessories

Part no.	Material	Description	Thread	Price \$
GW76376	aluminium alloy	surface mount with 2 levers	M25	75.25
GW76573	aluminium alloy	horizontal hood with 4 pins	M25	64.50
GW76574	aluminium alloy	vertical hood with 4 pins	M25	64.50
GW76807	aluminium alloy	protection cover with 4 pins	N/A	35.50
GW76811	aluminium alloy	protection cover with 2 levers	N/A	35.50

32 Pole Housings and Accessories

Part no.	Material	Description	Thread	Price \$
GW76328	aluminium alloy	surface mount with 2 levers	PG36	145.15
GW76378	aluminium alloy	surface mount with 2 levers	M50	145.15
GW76526	aluminium alloy	horizontal hood with 4 pins	PG36	193.55
GW76577	aluminium alloy	horizontal hood with 4 pins	M50	204.30
GW76580	aluminium alloy	vertical hood with 4 pins	M50	198.90
GW76808	aluminium alloy	protection cover with 4 pins	N/A	48.40
GW76812	aluminium alloy	protection cover with 2 levers	N/A	48.40

GEWISS

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RANGE**

48 Pole Housings and Accessories

Part no.	Material	Description	Thread	Price \$
GW76371	aluminium alloy	surface mount with lever + cover	M50 X 2	236.55
GW76411	aluminium alloy	flush mount with lever + cover	N/A	139.80
GW76564	aluminium alloy	horizontal hood with 2 pins	M40	139.80
GW76565	aluminium alloy	horizontal hood with 2 pins	M50	155.90

PG Metal Cable Glands IP65

IP65. Suits multi pole Gewiss connectors .Please enquire for other sizes

Part no.	Thread	Cable Range	Price \$
GW76841	PG11	7.5-12.5	9.55
GW76842	PG13.5	7.5-12.5	9.75
GW76843	PG16	7.5-12.5	10.05
GW76844	PG21	10-19	17.20
GW76845	PG29	18-27	20.00
GW76846	PG36	24-33	20.05

PG Metal Cable Glands IP68

IP68. Suits multi pole Gewiss connectors .Please enquire for other sizes

Part no.	Thread	Cable Range	Price \$
GW76825	PG11	4-9	36.40
GW76826	PG13.5	7-11	42.50
GW76827	PG16	10-13	47.35
GW76828	PG21	12-17	61.90
GW76829	PG29	17-24	86.80
GW76830	PG36	20-34	145.25

Common Accessories

In place of insert fastening screws to allow secure connection of different combinations

Part no.	Type	Description	Price \$
GW76874	coding pins	simple coding pin	3.25
GW76875	coding pins	male coding pin	3.25
GW76876	coding pins	female coding pin	3.25



GW76571



GW76374



GW76376



GW76574



GW76378



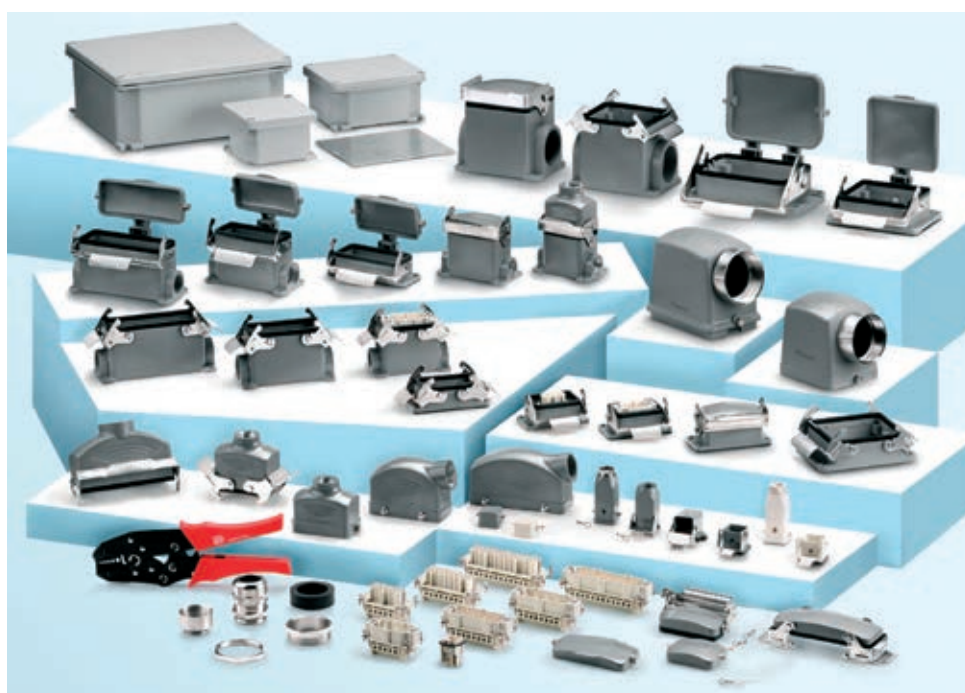
GW76577



GW76371



GW76875



GEWISS

Developed and built to IEC 309 standard

Robust plastic to IK09HF with IEC colour coding to suit dedicated voltages

Blue for 1 phase equipment and Red for 3 phase equipment.

Wide range available including plugs, Appliance inlets, Flush and switched sockets

From 16A to 125A with nickel coated pins and sleeves for corrosion free reliability.

Durable covers with spring shut operation

63A and 125A units are now fitted with stainless screws to secure the body component.

Straight and 90 Deg. Plugs IP67**- with reference pin at 6 o'clock (6h)****Straight Type**

New Part no.	Old Part no.	Current rating A	Voltage	No. of poles	Price \$
GW60026H	GW61026	16	240	2P+ E	37.95
GW60030H	GW61030	16	415	3P+E	44.90
GW60031H	GW61031	16	415	3P+N + E	50.65
GW60037H	GW60037	32	240	2P+E	57.50
GW60041H	GW60041	32	415	3P+E	62.30
GW60042H	GW60042	32	415	3P+N+E	70.20
GW61048H	GW61048	63	240	2P+E	109.30
GW61052H	GW61052	63	415	3P+E	161.00
GW61053H	GW61053	63	415	3P+N+E	216.30
GW60060H	GW60060	125	415	3P+E	379.65
GW60061H	GW60061	125	415	3P+N+E	425.00

90 Deg Type

Part no.	Current rating A	Voltage	No. of poles	Price \$
GW60108	16	240	2P+E	41.40
GW60112	16	415	3P+E	48.35
GW60113	16	415	3P+N+E	54.10
GW60119	32	240	2P+E	74.80
GW60123	32	415	3P+E	80.55
GW60124	32	415	3P+N+E	87.40

90 Deg Appliance Inlets

Part no.	Current rating A	Voltage	No. of poles	Price \$
GW60426	16	240	2P+E	55.20
GW60430	16	415	3P+E	59.85
GW60431	16	415	3P+N+E	69.05
GW60437	32	240	2P+E	78.20
GW60441	32	415	3P+E	89.75
GW60442	32	415	3P+N+E	96.65
GW61448	63	240	2P+E	132.30
GW61452	63	415	3P+E	178.35
GW61453	63	415	3P+N+E	224.00
GW60460	125	415	3P+E	396.95
GW60461	125	415	3P+N+E	454.45
GWS60263	Watertight cap to suit 16A 2P+E Appliance inlets			10.35
GWS60264	Watertight cap to suit 16A 3P+E Appliance inlets			11.50
GWS60265	Watertight cap to suit 16A 3P+N+E Appliance inlets			13.80
GWS60266	Watertight cap to suit 32A 2P+E & 3P+E Appliance inlets			17.25
GWS60267	Watertight cap to suit 32A 3P+N+E Appliance inlets			18.40

Some items in this range may be available on indent.**Please check availability before ordering**

GW60060H



GW61053H



GW60124



GW60442



GEWISS**Cord Connectors**

New Part no.	Old Part no.	Current rating A	Voltage	No. of poles	Price \$
GW62026H	GW62026	16	240	2P+E	48.35
GW62030H	GW62030	16	415	3P+E	55.20
GW62031H	GW62031	16	415	3P+N+E	63.75
GW62037H	GW62037	32	240	2P+E	71.35
GW62041H	GW62041	32	415	3P+E	78.25
GW62042H	GW62042	32	415	3P+N+E	87.40
GW63048H	GW63048	63	240	2P+E	166.80
GW63052H	GW63052	63	415	3P+E	184.10
GW63053H	GW63053	63	415	3P+N+E	201.35
GW62060H	GW62060	125	415	3P+E	414.20
GW62061H	GW62061	125	415	3P+N+E	448.70

Flush Sockets

New Part no.	Old Part no.	Current rating A	Voltage	No. of poles	Price \$
GW62227H	GW62227	16	240	2P+E	43.70
GW62231H	GW62231	16	415	3P+E	48.35
GW62232H	GW62232	16	415	3P+N+E	52.90
GW62238H	GW62238	32	240	2P+E	63.25
GW62242H	GW62242	32	415	3P+E	69.05
GW62243H	GW62243	32	415	3P+N+E	74.80
GW63249H	GW63249	63	240	2P+E	126.55
GW63253H	GW63253	63	415	3P+E	143.80
GW63254H	GW63254	63	415	3P+N+E	161.05
GW62261H	GW62261	125	415	3P+E	356.65
GW62262H	GW62262	125	415	3P+N+E	385.45

Surface Sockets

Part no.	Current rating A	Voltage	No. of poles	Price \$
GW62426	16	240	2P+E	47.20
GW62430	16	415	3P+E	52.90
GW62431	16	415	3P+N+E	58.70
GW62437	32	240	2P+E	74.80
GW62441	32	415	3P+E	81.70
GW62442	32	415	3P+N+E	87.40
GW63448	63	240	2P+E	166.80
GW63452	63	415	3P+E	189.85
GW63453	63	415	3P+N+E	224.35

Reefer Plugs And Switched Sockets

Reefer connectors have a specific earth pin located at 3 o'clock

Voltage range for reefer units is 380V-440V as per international standards

This prevents the unauthorized use of dedicated power supplies for refrigerated containers

New Part no	Old Part no	Description	Current rating A	Voltage	Poles	Price \$
GW60145H	GW60145	IP67 straight plug	32	415	3P+E	51.75
GW62128H	GW62128	IP67 extension cord socket	32	415	3P+E	59.95
GW62556	GW62556	IP67 10 degree surface socket	32	415	3P+E	63.25
GW66257N	GW66257	IP55 switched socket	32	415	3P+E	253.10

Some items in this range may be available on indent.
Please check availability before ordering



GW62030



GW62042



GW62243



GW62431



GW60145



GW62556



GW66257

GEWISS

GW62499



GW62505



GW66204N



GW66209N



GW66220

90 Deg Angle Surface Sockets - IP67

Part no.	Current rating A	Voltage	No. of poles	Price \$
GW62499	16	240	2P+E	50.65
GW62504	16	415	3P+E	55.20
GW62505	16	415	3P+N+E	59.85
GW62511	32	240	2P+E	78.20
GW62515	32	415	3P+E	85.15
GW62516	32	415	3P+N+E	92.05
GW63552	63	240	2P+E	172.60
GW63526	63	415	3P+E	195.60
GW63527	63	415	3P+N+E	235.85
GW62534	125	415	3P+E	414.20
GW62535	125	415	3P+N+E	448.70

Switched Sockets with Interlock Mechanism - IP67

Plugs cannot be inserted or removed without switch being in the off position.

Part no.	Current rating A	Voltage	No. of poles	Price \$
GW66204N	16	240	2P+E	161.00
GW66208N	16	415	3P+E	184.10
GW66209N	16	415	3P+N+E	193.25
GW66215N	32	240	2P+E	184.10
GW66219N	32	415	3P+E	198.85
GW66220N	32	415	3P+N+E	241.60
GW67259N	63	240	2P+E	304.90
GW67263N	63	415	3P+E	425.05
GW67264N	63	415	3P+N+E	517.75

Switched Sockets Standard Heavy Duty IP66

c/w Din Module to house circuit breakers, rcds or rcbo's.

Part no.	Current rating A	Voltage	No. of poles	Price \$
GW66977	16	240	2P+E	391.20
GW66981	16	415	3P+E	408.45
GW66982	16	415	3P+N+E	431.45
GW66988	32	240	2P+E	506.25
GW66992	32	415	3P+E	546.50
GW66993	32	415	3P+N+E	586.75
GW66869	63	240	2P+E	632.80
GW66873	63	415	3P+E	667.30
GW66874	63	415	3P+N+E	713.15

Some items in this range may be available on indent.
Please check availability before ordering



The new GEN3 range of IP66 industrial switchgear and plug sets is available in grey and orange, with a food grade white available in late 2013. Made from PCA18 virgin grade plastic, all internal components have greater than 85% copper component, which helps to generate less heat rise. All GEN3 products have Australian / NZ approvals and compliance certificates. All switched sockets include mounting templates and all plugs are complete with compression glands. Also all products come with a 24 month manufacturers warranty.

The range now includes -
 3 and 4 gang Combination RCD Protected Switched Socket Outlets
 Switched socket outlets to 5 pin , 50A
 Straight and angled plugs to suit
 Appliance inlets from 3 pin 10A to 5 pin 50A
 Switches and surface socket outlets

1 Phase and 3 phase Combination Switched Socket Outlets to 50A - Grey

Part no.	Description	Price \$
CO1PH10	3 flat pin 10A switched socket outlet 250V	46.00
CO1PH15	3 flat pin 15A switched socket outlet 250V	48.00
CO1PH320R	3 round pin 20A switched socket outlet 250V	72.00
CO1PH332R	3 round pin 32A switched socket outlet 250V	74.00
CO3PH410	4 round pin 10A switched socket outlet 440V	58.00
CO3PH420	4 round pin 20A switched socket outlet 440V	60.00
CO3PH432	4 round pin 32A switched socket outlet 440V	62.50
CO3PH440	4 round pin 40A switched socket outlet 440V	65.50
CO3PH450	4 round pin 50A switched socket outlet 440V	74.00
CO3PH510	5 round pin 10A switched socket outlet 440V	65.50
CO3PH520	5 round pin 20A switched socket outlet 440V	67.50
CO3PH532	5 round pin 32A switched socket outlet 440V	69.50
CO3PH540	5 round pin 40A switched socket outlet 440V	73.50
CO3PH550	5 round pin 50A switched socket outlet 440V	82.50



CO3PH420

1 Phase and 3 phase Combination Switched Socket Outlets to 50A - Orange

Part no.	Description	Price \$
CO1PH10/RO	3 flat pin 10A switched socket outlet 250V	49.70
CO1PH15/RO	3 flat pin 15A switched socket outlet 250V	51.80
CO1PH320R/RO	3 round pin 20A switched socket outlet 250V	77.75
CO1PH332R/RO	3 round pin 32A switched socket outlet 250V	79.95
CO3PH410/RO	4 round pin 10A switched socket outlet 440V	62.65
CO3PH420/RO	4 round pin 20A switched socket outlet 440V	64.80
CO3PH432/RO	4 round pin 32A switched socket outlet 440V	67.50
CO3PH440/RO	4 round pin 40A switched socket outlet 440V	70.75
CO3PH450/RO	4 round pin 50A switched socket outlet 440V	79.95
CO3PH510/RO	5 round pin 10A switched socket outlet 440V	70.75
CO3PH520/RO	5 round pin 20A switched socket outlet 440V	72.90
CO3PH532/RO	5 round pin 32A switched socket outlet 440V	75.05
CO3PH540/RO	5 round pin 40A switched socket outlet 440V	79.40
CO3PH550/RO	5 round pin 50A switched socket outlet 440V	89.10



CO3PH420/RO

Some items in the Orange GEN3 range may be indent. Please check before ordering.



PLS3PH420



PLA3PH420



SCO1P10



SCO4P20



S3P20

1 Phase and 3 Phase Straight Plugs to 50A

Part no.	Description	Price \$
PL1PH10	3 flat pin 10A straight plug top 250V	19.00
PL1PH15	3 flat pin 15A straight plug top 250V	19.00
PLSR320	3 round pin 20A straight plug top 250V	74.00
PLSR332	3 round pin 32A straight plug top 250V	74.00
PLS3PH410	4 round pin 10A straight plug top 440V	57.00
PLS3PH420	4 round pin 20A straight plug top 440V	57.00
PLS3PH432	4 round pin 32A straight plug top 440V	60.00
PLS3PH440	4 round pin 40A straight plug top 440V	64.00
PLS3PH450	4 round pin 50A straight plug top 440V	69.00
PLS3PH510	5 round pin 10A straight plug top 440V	60.00
PLS3PH520	5 round pin 20A straight plug top 440V	60.00
PLS3PH532	5 round pin 32A straight plug top 440V	65.00
PLS3PH540	5 round pin 40A straight plug top 440V	69.00
PLS3PH550	5 round pin 50A straight plug top 440V	74.00

1 Phase and 3 Phase Angled Plugs to 50A

Part no.	Description	Price \$
PLA3PH410	4 round pin 10A angled plug top 440V	46.00
PLA3PH420	4 round pin 20A angled plug top 440V	46.00
PLA3PH432	4 round pin 32A angled plug top 440V	60.00
PLA3PH440	4 round pin 40A angled plug top 440V	64.00
PLA3PH450	4 round pin 50A angled plug top 440V	68.00
PLA3PH510	5 round pin 10A angled plug top 440V	60.00
PLA3PH520	5 round pin 20A angled plug top 440V	60.00
PLA3PH532	5 round pin 32A angled plug top 440V	65.00
PLA3PH540	5 round pin 40A angled plug top 440V	84.00
PLA3PH550	5 round pin 50A angled plug top 440V	93.00

1 Phase and 3 Phase Extension Sockets to 50A

Part no.	Description	Price \$
SCO1P10	3 flat pin 10A straight extension socket 250V	19.00
SCO1P15	3 flat pin 15A straight extension socket 250V	19.00
SCO1P20R	3 round pin 20A straight extension socket 250V	55.00
SCO1P32R	3 round pin 32A straight extension socket 250V	58.00
SCO4P10	4 round pin 10A straight extension socket 440V	58.00
SCO4P20	4 round pin 20A straight extension socket 440V	58.00
SCO4P32	4 round pin 32A straight extension socket 440V	60.00
SCO4P40	4 round pin 40A straight extension socket 440V	89.00
SCO4P50	4 round pin 50A straight extension socket 440V	92.00
SCO5P10	5 round pin 10A straight extension socket 440V	60.00
SCO5P20	5 round pin 20A straight extension socket 440V	60.00
SCO5P32	5 round pin 32A straight extension socket 440V	62.00
SCO5P40	5 round pin 40A straight extension socket 440V	90.00
SCO5P50	5 round pin 50A straight extension socket 440V	95.00

2 and 3 Phase Switches to 63A

Part no.	Description	Price \$
<i>Grey</i>		
S2P10	2 pole 10A switch	50.00
S2P20	2 pole 20A switch	50.00
S3P20	3 pole 20A switch	62.00
S3P32	3 pole 32A switch	66.00
S3P50	3 pole 50A switch	68.00
S3P63	3 pole 63A switch	72.00
<i>Orange</i>		
S2P10/RO	2 pole 10A switch	54.00
S2P20/RO	2 pole 20A switch	54.00
S3P20/RO	3 pole 20A switch	66.95
S3P32/RO	3 pole 32A switch	71.30
S3P50/RO	3 pole 50A switch	73.45
S3P63/RO	3 pole 63A switch	77.75

Some items in the Orange GEN3 range may be indent. Please check before ordering.



3 Phase Changeover and Reversing Switches to 20A

Part no.	Description	Price \$
<i>Grey</i>		
S3P20C/O	3 pole 20A change over switch	62.08
SP320F/R	3 pole 20A reversing switch	62.08
<i>Orange</i>		
S3P20C/O/RO	3 pole 20A change over switch	67.05
SP320F/R/RO	3 pole 20A reversing switch	67.05

1 Phase and 3 Phase Surface Socket outlets to 50A

Part no.	Description	Price \$
<i>Grey</i>		
SCA310	3 flat pin 10A socket outlet 250V auto switch	54.52
SCA315	3 flat pin 15A socket outlet 250V auto switch	54.52
SC310	3 flat pin 10A socket outlet 250V	42.00
SC315	3 flat pin 15A socket outlet 250V	42.00
SC120R	3 round pin 20A socket outlet 250V	55.82
SC132R	3 round pin 32A socket outlet 250V	58.70
SC410	4 round pin 10A socket outlet 440V	50.65
SC420	4 round pin 20A socket outlet 440V	50.65
SC432	4 round pin 32A socket outlet 440V	52.00
SC440	4 round pin 40A socket outlet 440V	56.00
SC450	4 round pin 50A socket outlet 440V	60.00
SC510	5 round pin 10A socket outlet 440V	54.50
SC520	5 round pin 20A socket outlet 440V	55.50
SC532	5 round pin 32A socket outlet 440V	57.50
SC540	5 round pin 40A socket outlet 440V	79.00
SC550	5 round pin 50A socket outlet 440V	86.00
<i>Orange</i>		
SCA310/RO	3 flat pin 10A socket outlet 250V auto switch	58.86
SCA315/RO	3 flat pin 15A socket outlet 250V auto switch	58.86
SC310/RO	3 flat pin 10A socket outlet 250V	45.35
SSC315/RO	3 flat pin 15A socket outlet 250V	45.35
SC120R/RO	3 round pin 20A socket outlet 250V	60.28
SC132R/RO	3 round pin 32A socket outlet 250V	63.38
SC410/RO	4 round pin 10A socket outlet 440V	54.70
SC420/RO	4 round pin 20A socket outlet 440V	54.70
SC432/RO	4 round pin 32A socket outlet 440V	56.15
SC440/RO	4 round pin 40A socket outlet 440V	60.50
SC450/RO	4 round pin 50A socket outlet 440V	64.80
SC510/RO	5 round pin 10A socket outlet 440V	58.85
SC520/RO	5 round pin 20A socket outlet 440V	59.95
SC532/RO	5 round pin 32A socket outlet 440V	62.10
SC540/RO	5 round pin 40A socket outlet 440V	85.30
SC550/RO	5 round pin 50A socket outlet 440V	92.90

IP66 Load Centre

Part no.	Description	Price \$
GEN3DB13	13 pole IP66 load centre complete with E+N bars	205.00
GEN3DB13-4	13+4 pole IP66 load centre complete with E+N bars	325.00

Deep Mounting Enclosures from 1 Pole to 12 Pole

Part no.	Part no.	Description	Price \$	Price \$
<i>Grey</i>			<i>Grey</i>	<i>Resistive</i>
G1E	G1E/RO	1 module base	13.00	14.00
G1ES	G1ES/RO	1 module shallow base	12.00	13.00
G2E	G2E/RO	2 module base	19.00	20.50
G3E	G3E/RO	3 module base	26.00	28.00
G4E	G4E/RO	4 module base	32.75	35.40
G6E	G6E/RO	6 module base	43.50	47.00
G8E	G8E/RO	8 module base	110.00	118.00
G9E	G9E/RO	9 module base	140.00	151.00
G12E	G12E/RO	12 module base	220.00	237.50

Some items in the Orange GEN3 range may be indent. Please check before ordering.



S3P20F/R



SC420



SC310



GEN3DB13



GEN3DB13-4



GEN3DB13-4



G2E



**IMPROVED
& EXPANDED
RANGE**



GEN3API315



GEN3AI420



EUR-PLE2-SS



E1



E2



CBC-4PN/LB

Appliance Inlets

For generator connection on the side of switchboards or where a secondary power supply connection is required

Part no.	Description	Price \$
<i>Grey</i>		
GEN3API310	3 flat pins 10A appliance inlet 250V	67.90
GEN3API315	3 flat pins 15A appliance inlet 250V	67.90
GEN3AI410	4 round pins 10A appliance inlet 440V	116.00
GEN3AI420	4 round pins 20A appliance inlet 440V	120.00
GEN3AI432	4 round pins 32A appliance inlet 440V	160.00
GEN3AI440	4 round pins 40A appliance inlet 440V	172.00
GEN3AI450	4 round pins 50A appliance inlet 440V	180.00
GEN3AI510	5 round pins 10A appliance inlet 440V	121.00
GEN3AI520	5 round pins 20A appliance inlet 440V	125.00
GEN3AI532	5 round pins 32A appliance inlet 440V	165.00
GEN3AI540	5 round pins 40A appliance inlet 440V	177.00
GEN3AI550	5 round pins 50A appliance inlet 440V	185.00
<i>Orange</i>		
GEN3API310/RO	3 flat pins 10A appliance inlet 250V	113.50
GEN3API315/RO	3 flat pins 15A appliance inlet 250V	113.50
GEN3AI410/RO	4 round pins 10A appliance inlet 440V	125.30
GEN3AI420/RO	4 round pins 20A appliance inlet 440V	129.60
GEN3AI432/RO	4 round pins 32A appliance inlet 440V	172.80
GEN3AI440/RO	4 round pins 40A appliance inlet 440V	185.75
GEN3AI450/RO	4 round pins 50A appliance inlet 440V	194.40
GEN3AI510/RO	5 round pins 10A appliance inlet 440V	130.70
GEN3AI520/RO	5 round pins 20A appliance inlet 440V	135.00
GEN3AI532/RO	5 round pins 32A appliance inlet 440V	178.20
GEN3AI540/RO	5 round pins 40A appliance inlet 440V	191.15
GEN3AI550/RO	5 round pins 50A appliance inlet 440V	199.80

Stainless Steel Suspension Kits

Helps with mounting combination switched socket outlets above food preparation areas. Comes complete with fixing screws

Part no.	Description	Price \$
EUR-PLE2-SS	Combination switched socket outlet suspension kit	48.00

Enclosure Mounting Covers

Part no.	Description	Price \$
<i>Grey</i>		
E1	1 module cover	6.50
E2	2 module cover	11.70
CBC-4PN/LB	2 module cover with neon indicator to suit 1,2,3 and 4 pole din modules, less base	23.00
CBC-4PN	2 module cover with neon indicator to suit 1,2,3 and 4 pole din modules, with base	42.00
SOLARCB4	2 module cover with neon indicator to suit 1,2,3 and 4 pole din modules, with base for solar use	44.00
<i>Orange</i>		
E1/RO	1 module cover	7.00
E2/RO	2 module cover	12.30
CBC-4PN/RO/LB	2 module cover with neon indicator to suit 1,2,3 and 4 pole din modules, less base	24.85
CBC-4PN/RO	2 module cover with neon indicator to suit 1,2,3 and 4 pole din modules, with base	45.40

Some items in the Orange GEN3 range may be indent. Please check before ordering.



Combination RCD Protected Switched Socket Outlets



**GEN3 Combination RCD Protected
Switched Socket Outlets –
from 3 pin 10A to 5 pin 50A**

**Refer page 112 for a
complete product listing.**

- *RCD protected switched socket outlets.*
- *Saves on mounting of RCD's in existing switchboards requiring up grades.*
- *IP56*



CO3PH520RCD

3 Gang Combination RCD Protected Switched Socket Outlets

Switched socket outlets are very handy when the need to have local RCD protection is required at the outlet. Rather than fit an RCD to the switchboard, fitting the RCD into the outlet is a far better alternative. It enables re setting of a tripped RCD, without having to access the switchboard and the confusion this can create trying to identify the correct circuit for any unqualified personnel.

Part no.	Description	Price \$
<i>Grey</i>		
CO1PH10RCD	3 flat pins 10A, c/w 2 pole 40A RCD	120.00
CO1PH15RCD	3 flat pins 15A, c/w 2 pole 40A RCD	130.00
CO3PH410RCD	4 round pins 10A, c/w 4 pole 40A RCD	235.00
CO3PH420RCD	4 round pins 20A, c/w 4 pole 40A RCD	240.00
CO3PH432RCD	4 round pins 32A, c/w 4 pole 40A RCD	245.00
CO3PH510RCD	5 round pins 10A, c/w 4 pole 40A RCD	250.00
CO3PH520RCD	5 round pins 20A, c/w 4 pole 40A RCD	260.00
CO3PH532RCD	5 round pins 32A, c/w 4 pole 63A RCD	275.00
CO3PH540RCD	5 round pins 40A, c/w 4 pole 63A RCD	320.00
CO3PH550RCD	5 round pins 50A, c/w 4 pole 63A RCD	335.00
<i>Orange</i>		
CO1PH10RCD/RO	3 flat pins 10A, c/w 2 pole 40A RCD	130.00
CO1PH15RCD/RO	3 flat pins 15A, c/w 2 pole 40A RCD	135.00
CO3PH410RCD/RO	4 round pins 10A, c/w 4 pole 40A RCD	240.00
CO3PH420RCD/RO	4 round pins 20A, c/w 4 pole 40A RCD	245.00
CO3PH432RCD/RO	4 round pins 32A, c/w 4 pole 40A RCD	250.00
CO3PH510RCD/RO	5 round pins 10A, c/w 4 pole 40A RCD	255.00
CO3PH520RCD/RO	5 round pins 20A, c/w 4 pole 40A RCD	265.00
CO3PH532RCD/RO	5 round pins 32A, c/w 4 pole 63A RCD	280.00
CO3PH540RCD/RO	5 round pins 40A, c/w 4 pole 63A RCD	325.00
CO3PH550RCD/RO	5 round pins 50A, c/w 4 pole 63A RCD	340.00

4 Gang Combination RCD Protected Switched Socket Outlets



CO3PH5204RCD

Part no.	Description	Price \$
<i>Grey</i>		
CO1PH104RCD	3 flat pins 10A, c/w 2 pole 40A RCD	135.00
CO1PH154RCD	3 flat pins 15A, c/w 2 pole 40A RCD	140.00
CO3PH4104RCD	4 round pins 10A, c/w 4 pole 40A RCD	265.00
CO3PH4204RCD	4 round pins 20A, c/w 4 pole 40A RCD	275.00
CO3PH4324RCD	4 round pins 32A, c/w 4 pole 40A RCD	280.00
CO3PH5104RCD	5 round pins 10A, c/w 4 pole 40A RCD	280.00
CO3PH5204RCD	5 round pins 20A, c/w 4 pole 40A RCD	290.00
CO3PH5324RCD	5 round pins 32A, c/w 4 pole 63A RCD	325.00
CO3PH5404RCD	5 round pins 40A, c/w 4 pole 63A RCD	355.00
CO3PH5504RCD	5 round pins 50A, c/w 4 pole 63A RCD	365.00
<i>Orange</i>		
CO1PH104RCD/RO	3 flat pins 10A, c/w 2 pole 40A RCD	140.00
CO1PH154RCD/RO	3 flat pins 15A, c/w 2 pole 40A RCD	145.00
CO3PH4104RCD/RO	4 round pins 10A, c/w 4 pole 40A RCD	270.00
CO3PH4204RCD/RO	4 round pins 20A, c/w 4 pole 40A RCD	280.00
CO3PH4324RCD/RO	4 round pins 32A, c/w 4 pole 40A RCD	285.00
CO3PH5104RCD/RO	5 round pins 10A, c/w 4 pole 40A RCD	285.00
CO3PH5204RCD/RO	5 round pins 20A, c/w 4 pole 40A RCD	295.00
CO3PH5324RCD/RO	5 round pins 32A, c/w 4 pole 63A RCD	330.00
CO3PH5404RCD/RO	5 round pins 40A, c/w 4 pole 63A RCD	360.00
CO3PH5504RCD/RO	5 round pins 50A, c/w 4 pole 63A RCD	370.00

Some items in the Resistive Orange GEN3 range may be indent. Please check before ordering.

This chart should only be used as a guide only. Test to determine the suitability of any chemical with any plastic, should be carried out. Please remember your safety equipment when using chemicals while testing.

G	GOOD
F	FAIR
E	EXCELLENT
NR	NOT RESISTANT
%	CONCENTRATE MAX

INDUSTRIAL FLEXIBLE CONDUITS

Eureka corrugated conduit and fittings	309
Harnessflex Nylon conduit, fittings and accessories	309
Flexicon conduit application guide	315
Corrugated nylon & flexilok fittings.....	316
Galvanised steel PVC coated liquid tight	318
Smooth spiral reinforced.....	319
Galvanised steel PVC coated liquid tight oil resistant	320
Galvanised steel PVC	320
Galvanised steel braided	321
Galvanised steel Zinc.....	321
Stainless steel 316	322
EXD flame proof glands	322
EXD braided flameproof glands	323
EXE Safety and dust ignition proof glands	323
Flexicon installation accessories	323
Flexicon Contractor installation packs.....	324

Corrugated PVC Conduit

Corrugated grey or orange PVC conduit. Operating temperature -20 to +60 deg C.

Self extinguishing, Non flame propagating. Chemical resistant

Confirms to AS 2053, UV stabilised

Please refer to p.273 for conduit packs which include – 50m of conduit, 10x isolators & 20 conduit fittings in different combinations.

Part no.	Description	Price \$ per Roll
EURCC20GR	20mm Corrugated conduit medium duty grey 50m roll	154.64
EURCC25GR	25mm Corrugated conduit medium duty grey 50m roll	210.62
CC32GR	32mm Corrugated conduit medium duty grey 25m roll	189.29
CC20OR	20mm Corrugated conduit medium duty orange 50m roll	209.50
CC25OR	25mm Corrugated conduit medium duty orange 50m roll	175.07
CC32OR	32mm Corrugated conduit medium duty orange 25m roll	189.29

Corrugated PVC Conduit Fittings

Suits both light duty and medium duty corrugated conduits.

Part no.	Description	Price ea \$
EUR-CCF20	20mm push lock complete with locknut	6.49
EUR-CCF25	25mm push lock complete with locknut	9.88
ST2020GR	20mm clip lock complete with locknut	8.18
ST2025GR	25mm clip lock complete with locknut	9.14
ST2032GR	32mm clip lock complete with locknut	10.67
MA20GR	20mm glue lock less locknut	2.54
MA25GR	25mm glue lock less locknut	3.27
MA32GR	32mm glue lock less locknut	4.97
LN2020GR	20mm lock nut	0.73
LN2025GR	25mm lock nut	1.24
LN2032GR	32mm lock nut	3.33

Eureka



EURCC25GR



EUR-CCF25 (PUSH TYPE)



**ST2020GR
(CLIP LOCK
TYPE)**

**MA20GR
(GLUE LOCK
TYPE)**

Harnessflex
SPECIALIST CONDUIT SYSTEMS

Harnessflex Nylon Flexible Conduit System

Part No.	Nominal size	Internal O.D	External O.D	Roll	Price \$ per roll
NC08	8	6.6	10	100m	351.26
NC10	10	8.4	11.5	100m	354.66
NC12	12	9.9	13	100m	367.58
NC16	16	12.7	16.1	50m	216.47
NC20	20	16.6	21.2	50m	334.89
NC25	25	21.3	25.6	50m	411.70
NC32	32	28.8	34.5	50m	758.79
NC40	40	35.2	42.5	25m	536.08



CARROLL

NEW



NC20

Complete straight sealed adaptors IP66, 67, 68 and 69K

Harnessflex straight adaptor bodies feature an anti vibration locking ring on the cap nut which ensures the fitting remains tightened during assembly and in service.

An integral neoprene 'O' ring embedded in the mounting face seals the fitting against the junction box or enclosure.

Part No.	Conduit Size	Male Thread	Pack qty	Price \$ per pack
CAB10M16	10	16mm	5	36.95
CAB12M16	12	16mm	5	35.88
CAB12M20	12	20mm	5	35.88
CAB12PG11	12	PG11	5	43.05
CAB16M16	16	16mm	5	40.17
CAB16M20	16	20mm	5	39.15
CAB16PG13	16	PG13	5	48.66
CAB20M20	20	20mm	5	38.01
CAB20PG16	20	PG16	5	63.23
CAB25M25	25	25mm	5	57.05
CAB32M32	32	32mm	5	87.45
CAB40M40	40	40mm	1	31.66



CAB20M20

Harnessflex
SPECIALIST CONDUIT SYSTEMS



NEW

CARROLL SPECIALISED CONDUIT SYSTEMS

Harnessflex combines innovative design with precision manufacturing to offer customers a broad range of cable protection products and solutions.

- Performs in a wide variety of environments from high temperature to freezing subzero conditions
- Extensive range of engineered solutions are designed to withstand the rigours of the most technically demanding applications
- Harnessflex Specialist Conduit Systems can be used to protect critical power and data cabling. ADR approved.
- Tested and approved to ANZ and International Standards
- Harnessflex hinged systems are rated at IP40.
- Harnessflex sealed systems are rated at IP66, 67, 68 (2 BAR for 30 mins) and 69k, when using Harnessflex conduit.

MARKETS AND INDUSTRIES

Harnessflex Specialist Conduit Systems can be used to protect critical power and data cabling are available throughout a wide range of markets including:

- | | |
|----------------------------|------------------|
| • Dangerous goods vehicles | • Mechanical |
| • Commercial contracting | • Security/CCTV |
| • Machinery | • Data Cabling |
| • Rail/Infrastructure | • Critical Power |
| • Marine | |

Many components are designed specifically for a market solution. These products uniquely meet an industry's needs - solving a specific application requirement, providing product innovation, saving installation and component costs, improving the quality and the integrity of the end product. Wherever you need mechanical and electrical protection for your cables you can be confident in specifying Harnessflex products.

APPROVALS

Harnessflex is tested and approved to International Standards, i.e. TUV & LCIE, for the widest variety of automotive applications including hazardous or aggressive fuel or chemical transportation environments. In Australia and New Zealand, Harnessflex is approved and meets the requirements specified in AS2809 for Dangerous Goods Vehicles, e.g. fuel tankers. It is also the system specified by the leading Australian heavy duty truck manufacturers. ADR Approved.

Copies of ADR approvals are available upon request.

www.carroll.com.au/harnessflex





HARNESSFLEX SPECIFICATIONS

Harnessflex premium nylon conduit is designed to withstand temperatures from -40°C to +120°C for long term static use and holds many features including:

- Resistance to many oils, solvents and petrochemicals
- Flexible tough construction with high impact strength and a long fatigue life
- High UV resistance, halogen free and self extinguishing
- Stocked in a wide range of sizes

When used in conjunction with the extensive range of fittings and adaptors the Harnessflex System can achieve IP66, IP67, IP68 and IP69K and offers extreme versatility for both harness manufacturing and general purpose applications.

HARNESSFLEX CHEMICAL COMPATIBILITY

CHEMICAL MINERAL	HARNESSFLEX CONDUIT	CHEMICAL MINERAL	HARNESSFLEX CONDUIT	CHEMICAL MINERAL	HARNESSFLEX CONDUIT
Astm oil no. 1	S	Astm oil no. 2	S	Astm oil no. 3	S
Acetic acid (10%)	L	Acetone	S	Aluminum chloride (10%)	L
Benzene	S	Chlorine water	U	Diesel oil	S
Ethyl alcohol	S	Ethylene glycol (antifreeze)	S	Freon 32	S
Hydrochloric acid (10%)	U	Hydrochloric acid (36%)	U	Hydrogen peroxide (35%)	L
Lactic acid (90%)	L	Lubricating oil	S	Methyl alcohol	L
Methyl ethyl ketone	S	Nitric acid (10%)	U	Nitric acid (70%)	U
Oxalic acid	L	Ozone gas	U	Paraffin oil	S
Petrol	S	Silver nitrate	S	Sodium chloride	S
Sodium hydroxide (10%)	S	Sodium hydroxide (60%)	S	Sulphuric acid (10%)	U
Sulphuric acid (70%)	U	Toluene	S	Transformer oil	S
Trichlorethylene	L	Turpentine	S	Vegetable oils (general)	S
Vinyl acetate	L	Water (sea)	S	White spirit	S
Zinc chloride	U				

Note: These results shown are based on exposure to individual chemicals at ambient temperature. All inorganic salts are saturated aqueous solutions unless otherwise stated.
Key: S = Suitable L = Limited U = Unsuitable

HARNESSFLEX PHYSICAL PROPERTIES

CHEMICAL/MINERAL	HARNESSFLEX CONDUIT	CHEMICAL/MINERAL	HARNESSFLEX CONDUIT
Specific gravity	1.14	Melting point	220°C
Max. Operating temperature static	120°C	Max. Operating temperature dynamic	100°C
Min. Operating temperature static	-40°C	Min operating temperature dynamic	-30°C
Tensile strength *	40MPa	Elongation at break *	60%
Flexural modulus *	1.0GPa	Impact strength – notched izod *	0.25KJ/m
Dielectric strength *	25MV/m	Volume resistivity *	8 log ohm cm
Halogen free	Yes		

* The results are from test pieces of sheet material, conditioned at 23°C and 50% Relative Humidity, and not from finished products.

NYLON FLEXIBLE CONDUIT

Harnessflex
SPECIALIST CONDUIT SYSTEMS



NEW



CAB20M20ATS



CAB40F90



CAB20M2090



CTPB20

ATS Fittings – Quick Installation, One Piece, IP69K Rated

Part No.	Thread Size mm	Suits Conduit Size mm	Body Colour	Elastomer Colour	Pack Qty	Price \$ per pack
CAB12M16ATS	16	12	Black	Yellow	5	40.86
CAB12M1690ATS	16	12	Black	Yellow	5	38.91
CAB16M16ATS	16	16	Black	Yellow	5	44.55
CAB16M1690ATS	16	16	Black	Yellow	5	46.98
CAB16M20ATS	20	16	Black	Yellow	5	44.55
CAB16M2090ATS	20	16	Black	Yellow	5	45.76
CAB20M20ATS	20	20	Black	Yellow	5	43.32
CAB20M2090ATS	20	20	Black	Yellow	5	48.09
CAB25M25ATS	25	28	Black	Yellow	5	64.96
CAB25M2590ATS	25	28	Black	Yellow	5	68.52
CAB32M32ATS	32	32	Black	Yellow	5	99.60
CAB32M3290ATS	32	32	Black	Yellow	5	115.97
CAB40M40ATS	40	40	Black	Yellow	1	36.05
CAB40M4090ATS	40	40	Black	Yellow	1	36.05

The International Protection (IP Rating) and published performance specifications of Harnessflex fittings is only guaranteed by Carroll Australasia when used in conjunction with Carroll supplied conduit.

Complete Flanged 90° Adaptor Bodies IP 66, 67, 68, 69K

Used in place of an electrical connector where cables need to be passed through a bulkhead.

Part No.	Conduit size	Pack qty	Price \$ per pack
CAB40F90	40	1	31.53

Complete 90° Adaptor Bodies (IP 66, 67, 68, 69K)

Harnessflex 90° adaptor bodies are similar to the straight adaptors, in that they feature anti vibration locking ring on the cap nut.

The seal between the adaptor body and enclosure is achieved by the neoprene sealing face washer supplied in the kit.

Part No.	Conduit size	Male thread	Pack qty	Price \$ per pack
CAB10M1690	10	16mm	5	38.24
CAB12M1690	12	16mm	5	33.84
CAB16M1690	16	16mm	5	41.24
CAB16M2090	16	20mm	5	40.18
CAB20M2090	20	20mm	5	43.56
CAB25M2590	25	25mm	5	60.15
CAB32M3290	32	32mm	5	101.83
CAB40M4090	40	40mm	1	31.66

Complete “T” Pieces IP 66, 67, 68, 69K

Harnessflex “T” pieces save time and space in the construction of wiring looms. Also featuring the unique anti vibration rings, the “T” pieces make branches from main harnesses simple and also in many instances can replace expensive junction boxes.

Through the use of the simple reducing kits, any outlet can be reduced down to any smaller conduit size. The inspection hatch can be removed in order to ease routing cables through the “T” piece but this must be refitted after assembly to maintain the IP67 rating.

Part No.	Conduit size	Pack qty	Price \$ per pack
CTP10	10 x 3	1	15.25
CTP12	12 x 3	1	14.50
CTP16	16 x 3	1	15.90
CTPB20	20 x 3	1	16.85
CTPB28	25 x 3	1	26.65
CTPB32	32 x 3	1	35.93

Reducing Kits IP 66, 67, 68, 69K

Special cap nut and sealing bush kit, designed to reduce outlets from "T" pieces, manifolds and connectors.

Part No.	From conduit	To conduit	Pack qty	Price \$ per pack
RK12-08	12	8	5	24.79
RK16-08	16	8	5	32.78
RK16-12	16	12	5	31.70
RK20-08	20	8	5	36.53
RK20-12	20	12	5	35.45
RK20-16	20	16	5	33.41
RK28-12	25	12	5	44.05
RK28-16	25	16	5	33.30
RK28-20	25	20	5	42.79
RK32-20	32	20	5	60.07
RK32-28	32	28	5	60.07

"T" Piece Connector IP 66, 67, 68, 69K

Part No.	Joins T pieces	Pack qty	Price \$ per pack
TPC12	CTP10 & CTP12	5	41.59
TPC16	CTP16	5	48.43
TPC20	CTPB20	5	50.47
TPC28	CTPB28	5	56.72

Complete "X" Piece IP 66, 67, 68, 69K

The Harnessflex "X" Piece exhibits all the sealing and anti-vibration features of the T Piece, and accepts the reducing kits allowing utilisation of 20, 16, 12 and 8mm conduit sizes from any of the 4 outlets. A perfect, space saving, economical replacement for junction boxes.

Part No.	Conduit size	Pack qty	Price \$ per pack
CXP20	20 x 4	1	31.55

Complete Manifold IP 66, 67, 68, 69K

Similar to a "T" piece. This product can be used where two outlets are required close together from a main conduit run. Used principally on vehicle chassis harnesses where connections are required to gearbox, differentials and air drier switches etc.

Part No.	Conduit size	Pack qty	Price \$ per pack
CMF25X12	2 x 12, 2 x 25	1	35.13

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Y piece hinged fittings

Y pieces provide branch outlets along a conduit run. Standard applications include insertion in vehicle engine or chassis harness where complete sealing is not required. Splash proof to IP40. Sizes are available for use with conduit diameters from 8mm up to 25mm. The Y piece is supplied as one part and hinged along its length. They are simply applied as the final assembly item by locating onto the conduit corrugations and snapped together. The fitting offers no restriction of the conduit bore.

Part No.	Conduit outlets	Pack qty	Price \$ per pack
YPS080808	08-08-08	10	58.21
YPS120808	12-08-08	10	58.21
YPS121212	12-12-12	10	58.21
YPS161208	16-12-08	10	58.21
YPS161212	16-12-12	10	58.21
YPS161608	16-16-08	10	58.21
YPS161612	16-16-12	10	58.21
YPS201208	20-12-08	10	64.85
YPS201212	20-12-12	10	64.85
YPS201612	20-16-12	10	64.85
YPS201616	20-16-16	10	64.85
YPS202008	20-20-08	10	64.85
YPS202012	20-20-12	10	64.85
YPS202016	20-20-16	10	64.85
YPS252016	25-20-16	10	70.35
YPS252512	25-25-12	10	70.35
YPS252516	25-25-16	10	70.35
YPS252520	25-25-20	10	70.35
YPS252525	25-25-20	10	70.35



TPC20



CXP20



CMF25X12



YPS161612



NEW



CMPJB082



CMPMF21



CSCM272



EK05-10



ESN20-10



HCB20/HX



RP16

Complete Multi Pin Bulkhead Connector - Bayonet

Part No.	No. of circuits	No. of large pins	No. of small pins	Pack qty	Price \$ per pack
CMPJB081	8	0	8	1	58.45
CMPJB082	8	1	7	1	60.71

Complete Multi Pin In-Line and Bulkhead Connectors

The five circuit connector is suitable for in-line applications only. The 16, 21 and 37 circuit connectors can be utilised for both in-line and bulkhead mount applications.

Part No.	No. of circuits	No. of large pins	No. of small pins	Pack qty	Price \$ per pack
CILCMF05	5	-	5	1	32.78
CMPMF16	16	4	12	1	195.07
CMPMF21	21	7	14	1	258.71
CMPMF37	37	-	37	1	303.45

Complete Solenoid/Switch Connectors

To provide a straight or 90° electrical connection between conduit and solenoid or switch connector with either M24 or M27 thread connection.

Part No.	Type	Suit Conduit	No. of pins	Pack qty	Price \$ per pack
CSCM24902	90 deg	12	2	5	115.74
CSCM272	Straight	8	2	5	113.57
CSCM27902	90 deg	12	2	5	127.92

*Includes solenoid-switch connector/connector housing/socket terminals/sealing ring and cap nut.

*Connectors with NC12 outlets as standard can be reduced to NC08 with reducing kit.

End Caps and End Sleeves

Where conduit is not terminated with an adaptor or fitting, end caps are used to seal the end of a conduit run when using up to five separate wires. Suitable for NC10 and NC12 conduit, the end caps are supplied with either a 3 or 5 cable outlets, which are simply slit open when required.

End sleeves are used to seal the end of the conduit when either single or multiple wires are used, with the addition of two nylon cable ties.

Part No.	Type	Suit conduit	Pack qty	Price \$ per pack
EK03-10	End cap	10 & 12	5	11.27
EK05-10	End cap	12	5	11.83
ESN12-10	End sleeve	12	5	18.99
ESN16-10	End sleeve	16	5	19.23
ESN20-10	End sleeve	20	5	20.20
ESN25-10	End sleeve	25	5	24.57
ESN32-10	End sleeve	32	5	27.51

Conduit Clip - Hinged

Carroll's new hinged conduit mounting clip is designed to save time and improve Harnessflex conduit serviceability. The low profile design is space saving and results in a more aesthetically pleasing finish.

Part No.	Conduit size	Price \$ per pack
HCB08/HX	8	12.53
HCB12/HX	12	13.42
HCB16/HX	16	15.35
HCB20/HX	20	15.84
HCB28/HX	28	19.34
HCB32/HX	32	21.98
HCB40/HX	40	17.05
HCB50/HX	50	20.45

Conduit P Clip

A one screw fixing P shaped clip for secure conduit mounting. Available in either heavy duty Nylon 6/6 or steel with PVC insert

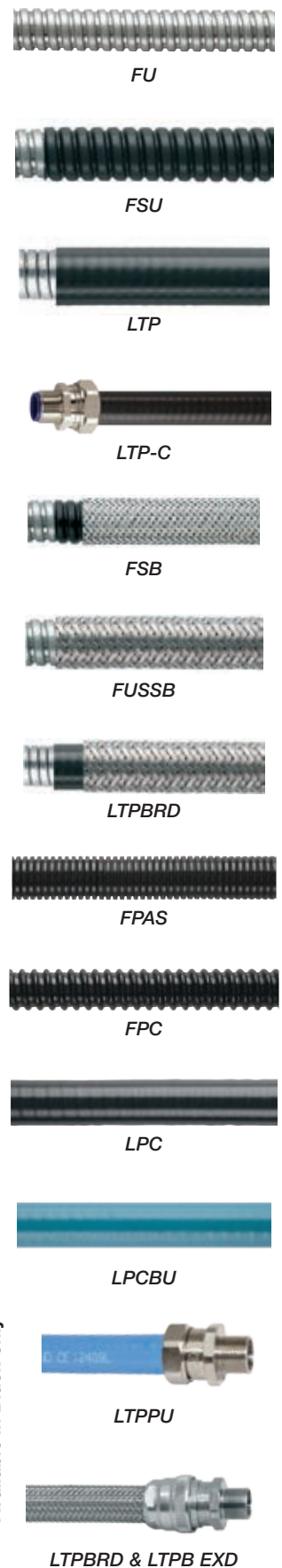
Part No.	Suit Conduit	Pack qty	Price \$ per pack
RP12	10	10	42.98
RP13	12	10	46.05
RP16	16	10	54.12
RP22	20	10	51.85
RP25	25	10	67.35

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Flexicon Conduit Application Guide

Part no.	Type	Minimum bend radius @20mm	Colors	High fatigue life	Temp range	Flexible	Low fire hazard	Halogen free	Self extinguish	EMC screening @ 1MHz	High abrasion resistance	High UV resistance
FU	galvanised steel	45	zinc	-	-100C to +300C	yes	yes	yes	yes	-	yes	-
SSU	stainless steel 316	45	s/steel	-	-100C to +600C	yes	yes	yes	yes	-	yes	yes
FSU	galvanised steel, PVC coated	45	black / grey / orange	yes	-15C to +70C	yes	-	-	yes	-	-	yes*
FNU	galvanised steel, nylon coated	45	black	-	-40C to +120C	yes	-	yes	yes	-	yes	-
LFHU	galvanised steel, LFH coated	45	black	-	-25C to +90C	yes	yes	yes	yes	-	-	-
LTP	galv steel, PVC coated, liquid tight	65	black / grey / orange	-	-20C to +105C	yes	-	-	yes	-	-	yes*
LTPAS	galv steel, PVC coated, liquid tight, anti static	65	black / grey / orange	-	-20C to +105C	yes	-	-	yes	-	-	yes*
LTPHC	galv steel, PVC coated, liquid tight, TPE	65	black / grey / orange	-	-20C to +105C	yes	-	-	yes	-	-	yes*
LTPSS	stainless steel, PVC coated, liquid tight	65	black	-	-20C to +105C	yes	-	yes	yes	-	-	yes
LTPPU	galv steel, PVC coated, oil resistant	65	black	-	-40C to +100C	yes	-	yes	yes	-	yes	yes
FSB	galv steel, PVC, galv steel over braid	45	zinc	-	-15C to +70C	yes	-	-	yes	55db	yes	-
FSU	galv steel, flexible steel, PVC coating	45	black / orange	-	-15C to +70C	yes	-	-	yes	-	yes	-
LFHUBRD	galv steel, LFH coated, SS316 over braid	45	s/steel	-	-25C to +90C	yes	yes	yes	yes	49db	yes	yes
FUSSB	galv steel, SS316 over braid	45	s/steel	-	-100C to +300C	yes	yes	yes	yes	49db	yes	-
LTPBRD	galv steel, rubber coated, SS316 over braid	65	s/steel	-	-60C to +150C	yes	-	yes	yes	49db	yes	yes
FPAS	nylon LFH PA6 corrugated, std weight	45	black / grey	yes	-40C to +120C	yes	yes	yes	yes	-	yes	yes*
FPC	PVC spiral reinforced	35	black / grey	-	-5C to +70C	yes	-	-	yes	-	-	yes*
LPC	smooth, PVC spiral reinforced	70	black / grey	-	-5C to +70C	yes	-	-	yes	-	-	yes*
LPCO	smooth PVC spiral, orange ultra flexible	70	orange	-	-5C to +70C	yes	-	-	yes	-	-	-
LPCGN	smooth PVC spiral, green oil resistant	70	green	-	-5C to +70C	yes	-	-	yes	-	-	-
LPCBU	smooth PVC spiral, blue high temp	70	blue	-	-20C to +90C	yes	-	-	yes	-	-	-

* Available in Black only





FPAS21



FPA21-M20-90



FPA21-M20



FPAX21-FL



FPAX21-M20B

Corrugated Nylon (Type FPAS)

Construction

Standard weight, flame retardant, Nylon (PA6) Corrugated flexible conduit.
Colour - black, grey or orange available on request.

Applications

All types of machinery, public buildings

Features

- Highly flexible and high fatigue life
- High impact strength and recovers if crushed
- IP rating - IP66 or IP69.
- Lloyds register type approval
- Temperature range - -40 deg C to +120 deg C (-20 deg c to +100 deg C for moving applications)
- Low fire hazard
- UL 94 V2
- Halogen , sulphur and phosphorous free
- UV resistant (black)
- Abrasion resistant
- Highly resistant to solvents and oils
- Larger and smaller size conduits and fittings available

Conduits

Part no.	Outside dia. (mm)	Inside dia. (mm)	Minimum inside bend radius (mm)	Reel lengths (m)	Price \$ 10m Roll per m	Price \$ 25m Roll per m	Price \$ 50m Roll per m
FPAS16	15.8	11.8	40	10, 25, 50	6.55	5.76	6.55
FPAS20	20	14.8	45	10, 25, 50	7.81	7.76	7.66
FPAS21	21.2	16.7	45	10, 25, 50	7.82	7.77	7.67
FPAS25	25	19.1	50	10, 25, 50	11.66	11.59	11.47
FPAS28	28.5	22.8	50	10, 25, 50	11.70	11.63	11.51
FPAS34	34.5	28.1	60	10, 25, 50	16.40	18.05	17.88

FPA Fittings (IP66)

Straight and 90 deg elbow. External thread. Locknuts included.

Part no.	Metric Thread (mm)	Pack qty	Price ea \$
FPA16-M16	16	10	3.34
FPA16-M16-90	16	10	4.95
FPA16-M20	20	10	3.34
FPA16-M20-90	20	10	5.40
FPA20-M20	20	10	3.81
FPA20-M20-90	20	10	7.45
FPA21-M20	20	10	3.72
FPA21-M20-90	20	10	6.48
FPA25-M25	25	10	5.86
FPA25-M25-90	25	10	10.49
FPA28-M25	25	10	5.98
FPA28-M25-90	25	10	10.42
FPA34-M32	32	10	7.96
FPA34-M32-90	32	10	12.88

FPAX Fittings with Elastomeric Seal (IP66, IP67, IP68, IP69)

Straight and 90 deg elbow. External thread with additional conduit seal.

Part no.	Metric Thread (mm)	Pack qty	Price \$
FPAX16-M16B	16	10	5.22
FPAX16-M16-90B	16	10	7.92
FPAX16-M20B	16	10	5.47
FPAX16-M20-90B	20	10	8.66
FPAX21-M20B	20	10	6.00
FPAX21-M20-90B	20	10	10.31
FPAX28-M25B	25	10	9.50
FPAX28-M25-90B	25	10	16.20
FPAX34-M32B	32	10	12.42
FPAX34-M32-90B	32	10	20.56

Product Focus - The Ultimate Fitting

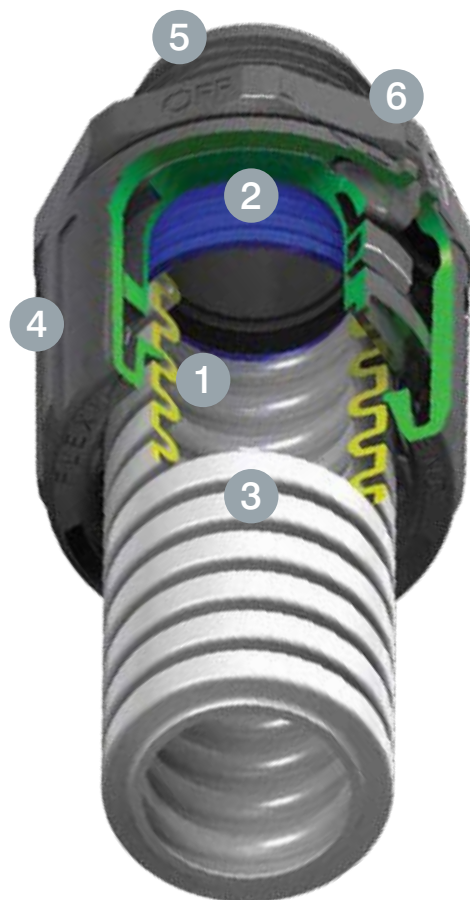
STANDARD
LOW FIRE
HAZARD
★



FPA & FPAX

the *ultimate* range
of nylon PA66 fittings

- **Very fast fit** less than 3 seconds
- **Ultra high tensile strength** 70kg
- **High IP rating** IP66 + IP67 + IP68 (2 bar) + IP69



1 The *Ultimate* Security

Safest fitting

All round teeth provide anti vibration protection together with a high pull off strength, i.e. 40kg with FPAS21 conduit and 70kg with FPAH21 conduit

2 The *Ultimate* Connection

Performance you can rely on

Ingress Protection

- FPA IP66
- FPAX IP66 + IP67 + IP68 (2 bar) + IP69

3 The *Ultimate* Simplicity & Speed

Fast fit

Push fit connection suitable for fine & coarse pitch Nylon and Polypropylene Conduits. Can be fitted in less than 3 seconds.

4 The *Ultimate* Range

10mm up to 67mm in black or grey

13 conduit sizes with Metric, PG, NPT and UNEF thread variants available as well as Nickel plated brass threads

5 The *Ultimate* in Convenience

Ready to install

Nylon metric threads supplied with glass reinforced nylon locknuts. FPAX fittings supplied with face sealing washers

6 The *Ultimate* Removal facility

Reduce whole life costs

Can be removed using a screwdriver if required

The *Ultimate* Choice!



3D / 2D CAD Drawings
available:

- Multiple CAD drawing format
- Product data sheets
- Technical support and guidance on suitability
- Customised product development





FLK28-M25



FPA21T



LTP20-M20-C



LTP20



LTP-C

Flexilok Fast Fit Fittings

Fast fitting snap lock type fittings. One piece unit, IP66. Can be removed using a screwdriver. For use with FPAS conduit.

Part no.	Metric Thread (mm)	Pack qty	Price ea \$
<i>Straight</i>			
FLK16-M16	16	10	3.44
FLK16-M20	20	10	3.50
FLK20-M20	20	10	3.67
FLK21-M20	20	10	4.01
FLK25-M25	25	10	4.63
FLK28-M25	25	10	5.70
FLK34-M32	32	2	8.41
<i>90 degree</i>			
FLK20-M20-90	20	10	10.89
FLK25-M25-90	25	10	10.95
<i>T piece with inspection lid</i>			
FPA16T	16	10	17.55
FPA20T	20	10	19.08
FPA21T	20	10	21.67
FPA25T	25	10	23.31
FPA28T	25	10	27.60
FPA34T	32	2	36.35

Galvanised Steel PVC Coated Liquid Tight (Type LTP, LTPAS and LTPHC)

Construction

LTP - Galvanised steel, helically wound, flexible conduit with smooth PVC cover

LTPAS - Galvanised steel, helically wound, flexible conduit with smooth anti static performane PVC cover

LTPHC - Galvanised steel, helically wound, flexible conduit with smooth thermoplastic elastomer (TPE) cover
Colour Black, Grey and Orange

Applications

Machine tools or outdoor applications where liquid tight is a requirement

Features

- High mechanical strength, good flexiblty, IP rating - IP68, IP69
- Smooth wipe clean outer cover, Temperature range -20deg C to +105 deg C
- Cover does not wrinkle when bent, LTP has Llyods register type approval
- Larger and smaller sizes conduits and fittings available

Conduits

Part no.	Outside diam. (mm)	Inside diam (mm)	lengths (m) bend radius (mm)	Reel lengths (m)	Price \$ 10m Roll per m	Price \$ 25m Roll per m	Price \$ 50m Roll per m
LTP16	17.8	12.6	45	10, 25, 50	11.79	11.68	11.54
LTPHC16B	17.8	12.6	45	25		15.12	
LTP20	21.1	16	65	10, 25, 50	13.10	12.78	12.65
LTPAS20B	21.1	16	65	25		19.29	
LTPHC20B	21.1	16	65	25		16.00	
LTP25	26.4	21	100	10, 25, 50	17.31	17.02	16.74
LTPAS25B	26.4	21	100	25		23.37	
LTPHC25B	26.4	21	100	25		20.91	
LTP32	33.1	26.5	135	10, 25, 50	26.88	25.36	25.61
LTPAS32B	33.1	26.5	135	25		29.28	
LTPHC32B	33.1	26.5	135	25		34.10	

Smooth Spiral Reinforced PVC (Type LPC)

Construction

Smooth bore, smooth cover, helically formed, PVC, conduit with spiral UPVC reinforcement and flexible PVC jacket

Colour black (UV resistant), please enquire for grey, orange (highly flexible), green (oil resistant)

Applications

Food processing machines and wash-down installations. LPCG is suitable for food contact.

Features:

- Smooth wipe clean surface, Self extinguishing, Vibration and shock tested to IEC 61373 Cat 2
- Accepts some torsional movement, IP66, IP67, and IP68 with MPC fittings
- IP66, IP67, IP68 (2bar) & IP69 with metal C-type compression fittings
- Temperature range - -5 deg C to +70 deg C
- Nickel plated and stainless steel fittings
- Larger and smaller size conduits and fittings available
- Please enquire for PG thread and NPT thread
- Please enquire for 90 and 45 degree fittings

Conduits

Part no.	Outside diam. (mm)	Inside diam. (mm)	Minimum inside bend radius (mm)	Reel lengths (m)	Price \$ 10m Roll per m	Price \$ 30m Roll per m
LPC16B	17.8	12.6	50	30	9.79	9.79
LPC20B	21.1	16	70	10,30	13.36	10.94
LPC25B	26.4	21	90	10,30	17.55	14.33
LPC32B	33.1	26.5	140	10,30	22.17	22.17

Fittings - Metal (IP66, IP67, IP68, IP69)

Multi-part compression with seal. Can be used for threaded entry as fitting rotates until tightened (Fixed -C, Swivel - S)

Part no.	Metric thread (mm)	Pack qty	Price \$	Part no.	Metric thread (mm)	Pack qty	Price \$
LPC16-M16-C	16	10	9.14	LPC25-M25-C	25	10	14.26
LPC16-M16-S	16	10	9.46	LPC25-M25-S	25	10	15.40
LPC16-M20-C	16	10	9.32	LPC32-M32-C	32	10	15.58
LPC16-M20-S	16	10	9.74	LPC32-M32-S	32	10	21.28
LPC20-M20-C	20	10	9.58				
LPC20-M20-S	20	10	10.71				

Fittings - Metal (Stainless steel) (IP66, IP67, IP68, IP69)

Multi-part compression with seal. Can be used for threaded entry as fitting rotates until tightened (Fixed -M)

Part no.	Metric thread (mm)	Pack qty	Price \$	Part no.	Metric thread (mm)	Pack qty	Price \$
LPC16-M16-CSS	16		30.30	LPC25-M25-CSS	25		70.98
LPC16-M20-CSS	16		34.63	LPC32-M32-CSS	32		76.55
LPC20-M20-CSS	20		33.27				

Fittings -Nylon (IP66, IP67, IP68)

2 part compression fitting with internal spigot and all round external teeth to grip conduit

Part no.	Metric thread (mm)	Pack qty	Price \$	Part no.	Metric thread (mm)	Pack qty	Price \$
MPC-16-M16	16	10	7.00	MPC-25-M25	25	10	10.29
MPC-16-M20	16	10	7.08	MPC-32-M32	32	10	16.33
MPC-20-M20	20	10	7.09				

NEW



LPC20B-M20B



LPC20B

NEW



LPC20-M20-CSS



Galvanised Steel Polyurethane Coated Liquid Tight, Halogen Free, Oil Resistant (Type LTPPU)

Construction

Galvanised steel, helically wound flexible conduit with smooth, halogen free, oil resistant, black polyurethane coating

Applications

Typically used for outdoor applications where Liquid tight is a requirement.
High abrasion and tear resistance. UV resistant (black) oil resistant

Features

Self extinguishing , Halogen free , IP rating IP66, IP67, IP68 (5 bar), IP69



Conduits

Part no.	Outside dia. (mm)	Inside dia. (mm)	Minimum inside bend radius (mm)	Reel lengths (m)	Price \$ per metre
LTPPU20B	21.1	16	65	25	28.28
LTPPU25B	26.4	21	100	25	34.22
LTPPU32B	33.1	26.5	135	25	45.86

Fittings

The LTPPU range uses the same fittings as the LTP range

Galvanised Steel PVC Coated (Type FSU)

Construction

Galvanised steel , helically wound, flexible steel conduit with PVC coating.
Colour black or orange

Applications

General factory wiring and connections to machines

Features:

- High mechanical strength
- Highly flexible
- Temperature range - -15 deg C to +70 deg C
- IP rating - IP 54 with standard fittings, IP 65 with type C compression fittings (please enquire)
- Nickel plated brass fittings
- Right angled fitting available
- Larger and smaller size conduits and fittings available



FSU20-M20-M



FSU20B

Conduits

Part no.	Outside dia. (mm)	Inside dia. (mm)	Minimum inside bend radius (mm)	Reel lengths (m)	Price \$ per metre
FSU16B	17	13	40	10, 25, 50	10.33
FSU20B	21.5	16.9	45	10, 25, 50	11.34
FSU25B	26	21.1	55	10, 25, 50	15.41
FSU32B	34	28.1	70	10, 25	24.66

Fittings

Fixed external thread. Nickel plated brass. (Fixed - M, Swivel - S)

Part no.	Metric Thread (mm)	Pack qty	Price ea \$	Part no.	Metric Thread (mm)	Pack qty	Price ea \$
FSU16-M16-M	16	10	6.15	FSU20-M20-S	20	10	8.81
FSU16-M16-S	16	10	8.60	FSU25-M25-M	25	10	10.22
FSU16-M20-M	20	10	6.21	FSU25-M25-S	25	10	13.51
FSU16-M20-S	20	10	8.72	FSU32-M32-M	32	2	14.12
FSU20-M20-M	20	10	6.24	FSU32-M32-S	32	2	17.74

Galvanised Steel Braided (Type FSB)

Construction

Galvanised steel, helically wound with PVC coating and galvanised steel overbraid. Colour Zinc

Applications

Industrial environments where higher abrasion resistance or screening are required. For use with Electronic equipment and Robotics to counter the effects of EMC currents

Features

- High mechanical strength
- Highly flexible
- IP rating - IP54
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening
- Temperature range - -15 deg C to +70 deg C
- Nickel plated brass fittings
- Larger and smaller size conduits and fittings available

Conduits

Part no.	Outside dia. (mm)	Inside dia. (mm)	Minimum inside bend radius (mm)	Reel lengths (m)	Price \$ per metre
FSB16	18.2	13	40	25	21.33
FSB20	22.7	16.9	45	25	26.31
FSB25	27.2	21.1	55	25	29.77

Fittings (IP54)

Fixed external thread. Nickel plated brass. (Fixed - M, Swivel - S)

Part no.	Metric Thread (mm)	Pack qty	Price ea \$	Part no.	Metric Thread (mm)	Pack qty	Price ea \$
FSB16-M16-M	16	10	12.66	FSB20-M20-M	20	10	13.01
FSB16-M16-S	16	10	17.16	FSB20-M20-S	20	10	17.64
FSB16-M20-M	20	10	12.82	FSB25-M25-M	25	10	16.60
FSB16-M20-S	20	10	17.36	FSB25-M25-S	25	10	22.90

Galvanised Steel, Zinc (Type FU)

Construction

Galvanised steel, helically wound, flexible conduit, zinc

Applications

Under floor wiring in office blocks

Features

- High mechanical strength
- Highly flexible
- Inherently low fire hazard
- IP rating - IP40
- Temperature range - -100 deg C to +300 deg C
- Nickel plated brass fittings
- Right angled fitting available
- Larger and smaller size conduits available

Conduits

Part no.	Outside dia. (mm)	Inside dia. (mm)	Minimum inside bend radius (mm)	Reel lengths (m)	Price \$ 10m Roll per m	Price \$ 25m Roll per m	Price \$ 50m Roll per m
FU16	16	13	40	10, 25, 50	7.61	7.53	7.43
FU20	20.5	16.9	45	10, 25, 50	8.95	8.64	8.78
FU25	25	21.1	55	10, 25, 50	10.94	11.21	11.09
FU32	32	28.1	70	10, 25	18.25	18.08	

Fittings (IP40)

Fixed external thread. Nickel plated brass. (Fixed - M , Swivel - S)

Part no.	Metric Thread (mm)	Pack qty	Price ea \$	Part no.	Metric Thread (mm)	Pack qty	Price ea \$
FU16-M16-M	16	10	6.16	FU20-M20-S	20	10	7.90
FU16-M16-S	16	10	8.62	FU25-M25-M	25	10	10.08
FU16-M20-M	20	10	6.25	FU25-M25-S	25	10	12.99
FU16-M20-S	20	10	8.80	FU32-M32-M	32	2	14.03
FU20-M20-M	20	10	6.06	FU32-M32-S	32	2	18.31



FSB20-M20-S



FSB20



FU20-M20-S



FU20



SSU20-M20-S



SSU20

Stainless Steel 316 (Type SSU)

Construction

Stainless steel (grade 316), helically wound, flexible conduit

Applications

Instrumentation, security, food grade

Features

- High mechanical strength
- Highly flexible
- Inherently low fire hazard
- SSU is highly corrosion resistant
- IP rating - IP40
- Temperature range -100 deg C to +600 deg C
- Stainless steel fittings
- Right angled fitting available
- Larger and smaller size conduits available

Conduits

Part no.	Outside dia. (mm)	Inside dia. (mm)	Minimum inside bend radius (mm)	Reel lengths (m)	Price \$ 10m Roll per m	Price \$ 25m Roll per m	Price \$ 50m Roll per m
SSU16	16	13	40	10, 25, 50	28.73	28.73	28.73
SSU20	20.5	16.9	45	10, 25, 50	36.68	36.68	36.68
SSU25	25	21.1	55	10, 25, 50	41.43	41.43	41.43
SSU32	32	28.1	70	10, 25	64.34	64.34	64.34

Fittings (IP40)

Fixed external thread. Stainless steel. (Fixed - M , Swivel - S)

Please enquire for stainless steel fixing clips

Part no.	Metric Thread (mm)	Pack qty	Price ea \$	Part no.	Metric Thread (mm)	Pack qty	Price ea \$
SSU16-M16-M	16	10	92.22	SSU25-M25-M	25	10	97.58
SSU16-M16-S	16	10	92.56	SSU25-M25-S	25	10	101.59
SSU20-M20-M	20	10	94.70	SSU32-M32-M	32	2	109.32
SSU20-M20-S	20	10	96.79	SSU32-M32-S	32	2	102.72

EXD Flameproof Glands

Construction

Nickel plated brass with flameproof barrier

Features

Can be used in Zone1, Zone 2, Zone 21 and Zone 22 when used with Flexicon Liquid tight range of conduits LTP, LTPAS, LTPHC, LTPSS, and LTPPU types.

From 16 to 63mm

IP66, IP67, IP68(5 bar) IP69

Oil and corrosion resistant

Temperature performance -60 deg C to +85 deg C

IEC Ex approved

Applications

Off shore and On shore petro chemical and refining plants

Distilleries

Paint spraying plants

Flour mills

Wood working machine plants

Pharmaceutical plants

Part no.	To fit conduit size	Metric thread (mm)	Price ea \$
LTP16-M20-EXD	16	16	65.98
LTP20-M20-EXD	20	20	83.25
LTP25-M25-EXD	25	25	112.48
LTP32-M32-EXD	32	32	145.04
LTP40-M40-EXD	40	40	389.93
LTP50-M50-EXD	50	50	582.15
LTP63-M63-EXD	63	63	684.53



EXD Braided Flameproof Glands

Construction

Nickel plated brass fitting with elastomeric seal and two part epoxy resin pack
Supplied in boxes of one with instructions and gloves

Features

- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas when used with Flexicon Liquid tight range of conduits LTPBRD types
- From 20 to 50mm
- IP66, IP67, IP68 (5 bar) and IP69
- High mechanical strength
- Temperature performance -60 deg C to +85 deg C
- IEC EX approved

Part no.	to fit conduit sizes	Metric thread (mm)	Price \$
LTPB20-M20-EXD	20	20	144.36
LTPB25-M25-EXD	25	25	199.70
LTPB32-M32-EXD	32	32	453.41
LTPB40-M40-EXD	40	40	325.52
LTPB50-M50-EXD	50	50	486.48

NEW



LTPB-M32-EXD

EXE Increased Safety and Dust Ignition Proof

Construction

Nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for threaded entries as fitting rotates until tightened

Features

- IP66 for EX e and EX t applications, IP67 and IP68 (5bar) and IP69 for industrial applications
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas when used with Flexicon Liquid tight
- From 16 to 63mm
- High mechanical strength
- Temperature performance -20 deg C to +85 deg C
- IEC EX approved
- Vibration and shock resistant
- Please enquire for 90 and 45 deg fittings

Part no.	to fit conduit sizes	Metric thread (mm)	Price \$
LTP16-M16-EXE	16	16	10.51
LTP16-M20-EXE	16	20	10.49
LTP20-M20-EXE	20	20	11.22
LTP25-M25-EXE	25	25	17.33
LTP32-M32-EXE	32	32	34.78
LTP40-M40-EXE	40	40	71.19
LTP50-M50-EXE	50	50	80.96

NEW

Sealing Washers

Part no.	Description	Pack qty	Price ea \$
SW16	16mm Neoprene sealing washer	100	0.84
SW20	20mm Neoprene sealing washer	50	0.85
SW25	25mm Neoprene sealing washer	10	1.64
SW32	32mm Neoprene sealing washer	10	1.69

Earthing Washers

Part no.	Description	Pack qty	Price ea \$
SPW16	16mm Shake proof washer	10	1.28
SPW20	20mm Shake proof washer	10	1.72
SPW25	25mm Shake proof washer	10	1.28
SPW32	32mm Shake proof washer	10	1.78
ET-M20	20mm Earth tag washer	10	1.28
ET-M25	25mm Earth tag washer	10	1.76



SW20



ET-M20



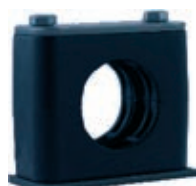
B-M20



FCC20



FCL 21



FCLAMP-3-21



B-M20-C



FSU-CP20B

Locknuts

Part no.	Description	Pack qty	Price ea \$
B-M16	16mm Nickel plated lock nut	10	1.89
B-M20	20mm Nickel plated lock nut	10	2.04
B-M25	25mm Nickel plated lock nut	10	2.67
B-M32	32mm Nickel plated lock nut	2	5.45

Fixing Clips

Part no.	Description	Pack qty	Price ea \$
FCC16	16mm steel clip with black PVC liner	10	2.30
FCC20	20mm steel clip with black PVC liner	10	2.33
FCC25	25mm steel clip with black PVC liner	10	3.35
FCC32	32mm steel clip with black PVC liner	10	3.50

Conduit Mounting Saddles

Part no.	Description	Pack qty	Price ea \$
FCL16	16mm Nylon conduit saddle	10	1.14
FCL21	20mm Nylon conduit saddle	10	1.28
FCL28	25mm Nylon conduit saddle	10	1.66
FCL34	34mm Nylon conduit saddle	10	1.96

F Clamp Conduit fixing system

Manufactured from Nylon PA66. Temperature range -50deg C to +135 deg C

UV resistant

Halogen, Sulphur and Phosphorous free

Self extinguishing

Fixes from 16 to 34mm OD conduits. Please enquire for larger sizes conduits

FLCAMP

Part no	Description	Pack qty	Price ea \$
FCLAMP-3-21	21mm conduit fixing clamp	10	7.56
FCLAMP-4-28	28mm conduit fixing clamp	10	7.04
FCLAMP-5-34	34mm conduit fixing clamp	10	18.53

Couplers

Part no.	Description	Pack qty	Price ea \$
B-M16-C	16mm Nickel plated brass coupler	10	15.07
B-M20-C	20mm Nickel plated brass coupler	10	15.46
B-M25-C	25mm Nickel plated brass coupler	10	17.10
B-M32-C	32mm Nickel plated brass coupler	10	18.85

Flexicon Contractor Packs

Supplied as 1 handy carry pack. Comprises - 10m of conduit and 10 fittings and locknuts

Part no	Description	Price \$
FSU-CP20B	10m FSU 20mm IP54 galvanised steel conduit, 5 x fixed and 5 x swivel fittings and locknuts	167.34
FPAS-CP21B	10m FPAS 20mm IP66 corrugated nylon conduit, 10 x straight fittings and locknuts	104.41
FPAS-CP25B	10m FPAS 25mm IP66 corrugated nylon conduit, 10 x straight fittings and locknuts	146.23
FPC-CP20B	10m FPC 20mm IP65 spiral reinforced pvc conduit, 10 x straight fittings and locknuts	142.50
FPC-CP25B	10m FPC 25mm IP65 spiral reinforced pvc conduit, 10 x straight fittings and locknuts	200.24

Please enquire for other products in this range

CABLE ACCESSORIES

Copper Lugs	326
Bi metal lugs	327
Long palm lugs.....	327
Narrow palm lugs	328
Copper crimp lugs.....	328
Boot lace pins	329
Starfix boot lace pins and accessories	329
Ring, spade & quick connect terminals	331
Application tools.....	332
Cable ties and bases.....	334
Nylon & metal cable glands	335
PVC bushes and nylon snap bush fittings	336



Split packs available.

Manufactured from fully annealed, 99.95% pure high conductivity copper and are electro-tin plated for superior corrosion resistance.

Carroll lugs also include crimp lines for improved accuracy during installation.

Operating temperature -55° to 155° C



CUL25-10



CUL400-16

Part no.	Barrel style	Cable size	Stud size	Pack qty	Price ea \$
CUL1.5-5	Straight	1.5	5	100	1.13
CUL1.5-6	Straight	1.5	6	100	1.13
CUL2.5-4	Straight	2.5	4	100	1.13
CUL2.5-5	Straight	2.5	5	100	1.13
CUL2.5-6	Straight	2.5	6	100	1.13
CUL2.5-8	Straight	2.5	8	100	1.13
CUL4-5	Straight	4.0	5	100	1.41
CUL4-6	Straight	4.0	6	100	1.41
CUL4-8	Straight	4.0	8	100	1.58
CUL4-10	Straight	4.0	10	100	1.64
CUL6-5	Straight	6.0	5	100	1.41
CUL6-6	Straight	6.0	6	100	1.41
CUL6-8	Straight	6.0	8	100	1.58
CUL6-10	Straight	6.0	10	100	1.58
CUL10-5	Flared	10	5	100	2.20
CUL10-6	Flared	10	6	100	2.20
CUL10-8	Flared	10	8	100	2.31
CUL10-10	Flared	10	10	100	2.31
CUL10-12	Flared	10	12	100	2.93
CUL16-6	Flared	16	6	50	2.48
CUL16-8	Flared	16	8	50	2.48
CUL16-10	Flared	16	10	50	2.48
CUL16-12	Flared	16	12	50	3.33
CUL25-8	Flared	25	8	50	3.39
CUL25-10	Flared	25	10	50	3.39
CUL25-12	Flared	25	12	50	3.39
CUL35-6	Flared	35	6	50	4.52
CUL35-8	Flared	35	8	50	4.52
CUL35-10	Flared	35	10	50	4.80
CUL35-12	Flared	35	12	50	5.08
CUL50-6	Flared	50	6	50	6.04
CUL50-8	Flared	50	8	50	6.04
CUL50-10	Flared	50	10	50	6.04
CUL50-12	Flared	50	12	50	6.04
CUL70-8	Flared	70	8	25	7.05
CUL70-10	Flared	70	10	25	7.05
CUL70-12	Flared	70	12	25	7.05
CUL70-16	Flared	70	16	25	7.05
CUL95-8	Flared	95	8	25	10.61
CUL95-10	Flared	95	10	25	10.61
CUL95-12	Flared	95	12	25	10.61
CUL95-16	Flared	95	16	25	13.55
CUL120-10	Flared	120	10	25	25.40
CUL120-12	Flared	120	12	25	25.40
CUL120-16	Flared	120	16	25	25.40
CUL150-10	Flared	150	10	20	30.65
CUL150-12	Flared	150	12	20	30.65
CUL150-16	Flared	150	16	20	30.65
CUL185-10	Flared	185	10	20	35.72
CUL185-12	Flared	185	12	20	35.72
CUL185-16	Flared	185	16	20	37.02
CUL240-10	Flared	240	10	1	85.62
CUL240-12	Flared	240	12	1	85.62
CUL240-16	Flared	240	16	1	85.62
CUL300-12	Flared	300	12	1	105.88
CUL300-16	Flared	300	16	1	105.88
CUL400-10	Flared	400	Blank	1	144.48
CUL400-12	Flared	400	12	1	135.45
CUL400-16	Flared	400	16	1	135.45



Bi Metal Lugs

These lugs are constructed of Aluminium and copper, utilizing high technology friction welding ensuring for strong bonding characteristics, high technique corrosion resistance and long service life. Lugs suit solid segmented type aluminium cable for accurate crimping.

Part no.	Cable size mm2	Stud size mm2	Overall length	Aluminium tunnel length	Pack qty	Price ea \$
BML16-10	16	10	87	42	1	7.22
BML25-10	25	10	87	42	1	9.82
BML35-10	35	10	87	42	1	13.77
BML50-12	50	12	87	43	1	17.44
BML70-12	70	12	87	43	1	20.26
BML95-12	95	12	87	43	1	22.24
BML120-12	120	12	111	60	1	23.65
BML150-12	150	12	111	60	1	29.86
BML185-12	185	12	116	60	1	34.48
BML240-12	240	12	116	60	1	65.52
BML300-12	300	12	120	62	1	82.51
BML400-0	400	0	125	64	1	101.93
BML500-0	500	0	130	68	1	139.51
BML630-0	630	0	135	70	1	171.97



BML16-10



BML95-12



BML300-12

Long Palm, Long Barrel Lugs

These lugs are designed to accommodate two bolt mounting for secure termination. Allows improved surface area for heatshrink sealing and multiple crimps if required

Part no.	Cable size mm2	Stud size mm2	Overall length	Palm length	Width	Pack qty	Price ea \$
LPLB16-6	16	6	85	60	16	10	7.68
LPLB16-8	16	8	85	60	16	10	7.68
LPLB25-8	25	8	95	60	16.5	10	10.38
LPLB25-10	25	10	95	60	16.5	10	10.38
LPLB35-8	35	8	111	73	18	10	13.66
LPLB35-10	35	10	111	73	18	10	14.45
LPLB35-12	35	12	111	73	18	10	15.58
LPLB50-10	50	10	130	82	18.3	10	18.46
LPLB50-12	50	12	130	82	18.3	10	19.02
LPLB70-10	70	10	155	102	21.3	10	21.45
LPLB70-12	70	12	155	102	21.3	10	21.45
LPLB95-10	95	10	160	102	26	1	32.40
LPLB95-12	95	12	160	102	26	1	32.40
LPLB120-10	120	10	170	102	28.7	1	49.95
LPLB120-12	120	12	170	102	28.7	1	49.95
LPLB150-12	150	12	170	102	32.5	1	66.65
LPLB185-12	185	12	175	102	35.2	1	77.60
LPLB240-12	240	12	195	105	41	1	186.13
LPLB300-0	300	blank	210	108	45.3	1	209.33
LPLB400-0	400	blank	230	112	50.5	1	249.91
LPLB500-0	500	blank	238	112	56.5	1	320.57
LPLB600-0	600	blank	250	112	65.5	1	424.97



LPLB95-10



SCB240-12

Narrow Palm Lugs

Palm widths of standard copper lugs are too wide to fit 160 to 250A circuit breakers. These lugs take care of that problem and are designed to fit most circuit breaker terminals and have a bell mouth to help with a clean connection of flexible cables

Part no.	Cable size mm2	Stud size mm2	Overall length	Palm length	Width	Pack qty	Price ea \$
SCB35-6	35	6	41	15	15	25	7.90
SCB50-6	50	6	43	15	15	10	9.37
SCB50-10	50	10	49	21	19	10	9.37
SCB70-6	70	6	45	15	17	10	10.89
SCB70-10	70	10	51	21	19	10	10.89
SCB95-8	95	8	51	17	19	1	16.48
SCB95-10	95	10	55	21	19	1	16.48
SCB120-8	120	8	61	23	19	1	25.40
SCB120-10	120	10	61	23	19	1	25.40
SCB150-8	150	8	66	27	19	1	30.65
SCB185-8	185	10	66	27	19	1	30.65
SCB185-10	185	10	74	32	31	1	35.67
SCB240-10	240	10	74	32	31	1	85.62
SCB240-12	240	12	82	32	31	1	85.62
SCB300-10	300	10	82	32	31	1	105.88
SCB300-12	300	12	87	32	31	1	105.88



C10



C35



C120



C300

Copper Crimp Links

Split pack available. Electro tin plated. Operating temperature -55 deg to 155 deg
For joining cables up to 300 sq mm

Part no.	Cable size	Pack qty	Price ea \$
CU1.5	1.5	100	1.58
CU2.5	2.5	100	1.58
CU4	4	100	1.81
CU6	6	100	1.81
CU10	10	50	2.48
CU16	16	50	3.67
CU25	25	25	4.68
CU35	35	25	5.36
CU50	50	10	6.38
CU70	70	10	8.47
CU95	95	1	11.34
CU120	120	1	16.14
CU150	150	1	19.58
CU185	185	1	22.69
CU240	240	1	55.48
CU300	300	1	73.71



Single Boot Lace Pins

Part no.	Colour	Cable size	Pin length	Pack qty	Price ea \$
A00352	pink	0.25/0.34	6	500	0.29
A00382	pink	0.25/0.34	8	500	0.29
A00552	white	0.50	8	500	0.25
A00752	blue	0.75	8	500	0.25
A01052	red	1	8	500	0.25
A01552	black	1.5	8	500	0.25
A01582	black	1.5	10	500	0.34
A02552	grey	2.5	8	500	0.34
A02582	grey	2.5	18	500	0.42
A04052	orange	4	9	100	0.54
A04082	orange	4	12	100	0.65
A06052	green	6	12	100	0.73
A06082	green	6	18	100	0.88
A10052	brown	10	12	100	1.00
A10082	brown	10	18	100	1.21
A16052	white	16	12	100	1.25
A16082	white	16	18	100	1.51
A25082	black	25	18	50	2.28
A25092	black	25	22	50	2.77
A35082	red	35	16	20	3.39
A35092	red	35	25	20	4.06

Larger sizes available

Boot Lace Pins Reels

Part no.	Colour	Cable size	Pin length	Pack qty	Price ea \$
AR0552	white	0.5	8	1000	2.84
AR0752	blue	0.75	8	1000	2.84
AR1052	red	1.0	8	1000	2.84
AR1552	black	1.5	8	1000	2.84
AR2552	grey	2.5	8	500	2.13

Twin Boot Lace Pins

Part no.	Colour	Cable size	Pin length	Pack qty	Price ea \$
AT0752	grey	2X0.75	8	100	0.45
AT1052	red	2X1.0	8	100	0.45
AT1552	black	2X1.5	8	100	0.51
AT2552	blue	2X2.5	10	100	0.53
AT4052	grey	2X4.0	12	50	0.47
AT6052	yellow	2X6.0	14	50	0.62

Starfix Boot Lace Crimping System

Boot lace ferrules with insulating flange

Provides a equipotential link for all the strands of a flexible conductor

Single Ferrules to 6mm (supplied in bag)

Part no.	Suits cable (mm)	Color per strip	Strips	Ferrules	Price \$
376 50	0.25	turquoise	10	50	120.21
376 60	0.34	green	12	40	120.21
376 61	0.5	white	12	40	115.41
376 62	0.75	blue	12	40	115.41
376 63	1	red	25	40	235.68
376 64	1.5	black	25	40	235.68
376 66	2.5	grey	25	40	280.61
376 67	4	orange	10	25	137.37
376 68	6	green	10	25	173.43



A04082



AT2552



37609



376 41



376 46



376 47



376 39



376 97



376 92

Single Ferrules to 50mm (supplied in box packaging)

Part no.	Suits cable (mm)	Color per box	Ferrules	Price \$
376 69	10	brown	100	83.13
376 70	16	white	100	122.75
376 71	25	black	50	84.04
376 77	35	red	50	107.46
376 78	50	blue	30	168.86

Double Ferrules to 2.5mm

Part no.	Suits cable (mm)	Color per pack	Ferrules	Price \$
376 87	2 x 0.75	blue	100	170.89
376 88	2 x 1.0	red	100	170.89
376 89	2 x 1.5	black	100	170.89
376 90	2 x 2.5	grey	100	170.89

Large Capacity Starfix Reels to 2.5mm

Part no.	Suits cable (mm)	Color per reel	Ferrules	Price \$
376 41	0.5	white	300	71.84
376 42	0.75	blue	300	71.84
376 43	1	red	300	71.84
376 44	1.5	black	300	71.84
376 45	2.5	grey	250	71.84
100 652	1	red	1000	227.22
100 653	1.5	black	1000	227.22

Starfix Applicators

For dispensing strips of ferrules in starfix tools

Part no.	Description	Price \$
376 46	For ferrules to suit cable 0.25 to 0.34mm	10.55
376 47	For ferrules to suit cable 0.5 to 2.5mm	13.83
376 48	For ferrules to suit cable 4 to 6mm	13.83

Starfix Crimping Tools for Ferrules in Strips

Part no.	Description	Price \$
376 08	For ferrules 0.25 to 0.34mm. Supplied with empty applicator	139.68
376 09	For ferrules 0.5 to 2.5mm. Fitted with an adjustment wheel Supplied with empty applicator	139.68
376 39	Assorted kit comprising - 1 star fix tool 376 09, 120 x 0.5mm ferrules 120 x 0.75mm ferrules, 240 x 1mm ferrules 320 x 1.5mm ferrules, 200 x 2.5mm ferrules	374.46
376 10	For ferrules 4 to 6mm. Fitted with an adjustment wheel. Supplied with empty applicator	163.16
376 97	Starfix multi purpose crimping tool for 0.5 to 2.5mm ferrules Tool cuts, strips, twists and crimps. Supplied complete with 5 empty applicators For right and left handed persons	821.96

Starfix Crimping Tools for Individual and Double Ferrules

Part no.	Description	Price \$
376 06	For ferrules 0.25 to 6mm	585.76

Assorted kit for ferrules from 10 to 50mm

Part no.	Description	Price \$
376 92	Assorted kit comprising - 1 starfix tool to suit 10 to 50mm ferrules 30 x 10mm ferrules, 20 x 16mm ferrules, 15 x 25mm ferrules 10 x 35mm ferrules, 10 x 50mm ferrules	789.33



Pre-Insulated Ring Terminals

Vinyl Grip

Part no.	Colour	Wire	Stud	Pack qty	Price ea \$
RV1-3.5	red	0.5-1.5	3.7	100	0.42
RV1-4	red	0.5-1.5	4.2	100	0.42
RV1-5	red	0.5-1.5	5.3	100	0.44
RV1-6	red	0.5-1.5	6.4	100	0.53
RV1-8	red	0.5-1.5	8.5	100	0.47
RV1-10	red	0.5-1.5	10.5	100	0.62
RV2-3	blue	1.5-2.5	3.2	100	0.32
RV2-3.5	blue	1.5-2.5	3.7	100	0.44
RV2-4	blue	1.5-2.5	4.2	100	0.44
RV2-5	blue	1.5-2.5	5.3	100	0.44
RV2-6	blue	1.5-2.5	6.4	100	0.55
RV2-8	blue	1.5-2.5	8.5	100	0.55
RV2-10	blue	1.5-2.5	10.5	100	0.63
RV2-12	blue	1.5-2.5	13	100	0.71
RV5-3.5	yellow	2.5-6.0	3.7	100	0.61
RV5-4	yellow	2.5-6.0	4.2	100	0.61
RV5-5	yellow	2.5-6.0	5.3	100	0.67
RV5-6	yellow	2.5-6.0	6.4	100	0.67
RV5-8	yellow	2.5-6.0	8.3	100	0.72
RV5-10	yellow	2.5-6.0	10.5	100	0.43
RV5-12	yellow	2.5-6.0	13	100	0.58

Copper grip, uninsulated and waterproof available on request.

Pre-Insulated Spade Terminals

Vinyl Grip

Part no.	Colour	Wire	Stud	Pack qty	Price ea \$
SV1-3	red	0.5-1.5	3.2	100	0.60
SV1-3.5	red	0.5-1.5	3.7	100	0.60
SV1-4	red	0.5-1.5	4.2	100	0.60
SV1-5	red	0.5-1.5	5.3	100	0.63
SV2-3	blue	1.5-2.5	3.7	100	0.58
SV2-3.5	blue	1.5-2.5	3.7	100	0.61
SV2-4	blue	1.5-2.5	4.2	100	0.61
SV2-5	blue	1.5-2.5	5.3	100	0.68
SV5-3.5	yellow	2.5-6.0	3.7	100	0.73
SV5-4	yellow	2.5-6.0	4.2	100	0.73
SV5-5	yellow	2.5-6.0	5.3	100	0.73
SV5-6	yellow	2.5-6.0	6.4	100	1.26

Copper grip, uninsulated and waterproof available on request.

Pre-Insulated Quick Connect Terminals

Quick connect female

Part no.	Cable size	Colour	Suit tab	Pack qty	Price ea \$
QCF1-3/5	0.5/1.5	red	2.8 x 0.5	100	0.53
QCF1-3/8	0.5/1.5	red	2.8 x 0.8	100	0.50
QCF1-5/5	0.5/1.5	red	4.8 x 0.5	100	0.56
QCF1-5/8	0.5/1.5	red	4.8 x 0.8	100	0.56
QCF1-6	0.5/1.5	red	6.3 x 0.8	100	0.58
QCF2-3/5	1.5/2.5	blue	2.8 x 0.5	100	0.68
QCF2-3/8	1.5/2.5	blue	2.8 x 0.8	100	0.59
QCF2-5/5	1.5/2.5	blue	4.8 x 0.5	100	0.67
QCF2-5/8	1.5/2.5	blue	4.8 x 0.8	100	0.62
QCF2-6	1.5/2.5	blue	6.3 x 0.8	100	0.62
QCF2-8	1.5/2.5	blue	7.9 x 0.8	100	0.76
QCF5-6	2.5/6	yellow	6.3 x 0.8	100	1.21
QCF5-9	2.5/6	yellow	9.5 x 1.2	100	1.28

Quick Connect Male

Part no.	Cable size	Colour	Suit female	Pack qty	Price ea \$
QCM1-6	0.5/1.5	red	6.3 x 0.8	100	0.63
QCM2-6	1.5/2.5	blue	6.3 x 0.8	100	0.63
QCM5-6	2.5/6	yellow	6.3 x 0.8	100	1.23



RV1-5



RV2-5



RV5-5



SV1-5



SV2-5



SV5-5



QCF1-3/5



QCF2-3/5



QCF2-5/8



QCM1-6



BSV1



WPV1



0560



RL7700



YAC4



YAC5



HD0510



YY318

CC70



CTGSS

Pre-Insulated Nylon Butt Splices

Part no.	Cable size	Colour	Pack qty	Price ea \$
BSV1	0.5/1.5	red	100	0.68
BSV2	1.5/2.5	blue	100	0.68
BSV5	2.6/6.0	yellow	100	1.00

Pre-Insulated Wire Pins

Part no.	Cable size	Colour	Pin length	Pack qty	Price ea \$
WPV1	0.5/1.5	red	9	100	0.52
WPV1/12	0.5/1.5	red	12	100	0.55
WPV2	1.5/2.5	blue	9	100	0.58
WPV2/12	1.5/2.5	blue	12	100	0.59
WPV5	2.5/6	yellow	14	100	0.93

Application Tools

2 year warranty on all tools

Re-calibration service available for the life of the tool enables the user to maintain the tools premium qualities

Quality and reliable tools

Hard wearing

Crimp Tools to suit Pre-Insulated Terminals

Part no.	Description	Price \$
O560	Hand held ratchet crimp tool for R,Y and B terminals	230.60
RL7700	Budget hand held ratchet crimp tool for R,Y and B terminals	124.33

Crimp Tools to suit Boot Lace Pins

Part no.	Description	Price \$
YAC4	Hand held plier tool to suit boot lace pins 0.5 - 2.5mm	123.99
YAC5	Hand held ratchet tool to suit boot lace pins 0.5 - 6.0mm	142.79
YAC6	Hand held ratchet tool to suit boot lace pins 6.0 - 16mm	145.16
YAC7	Hand held ratchet tool to suit boot lace pins 16 - 35mm	233.26

Wire Stripper / Cutter

Part no.	Description	Price \$
YY318	End stripper / cutter to suit 1 - 6mm cables	41.43

Cable Cutters To Suit Copper / Aluminium Cables

Part no.	Description	Price \$
CC70	Hand held Cable cutter to cut up to 70mm	110.45
CC185	Hand held cable cutter to cut up to 185mm	405.39
CC300R	Hand held ratchet cutter to cut up to 300mm	1,423.35

Stainless Steel Cable Tie Gun

Part no.	Description	Price \$
CTGSS	Automatic stainless steel cable ties from 6.7 - 7.9mm	603.88



Crimp Tools to suit Uninsulated Copper Lugs & Crimp Links

Part no.	Description	Price \$
HD0510	Hand held crimper, ratchet type to suit 0.5 - 10mm copper lugs	211.61
HD0625	Hand held crimper to suit 6 - 25mm copper lugs	290.55
HD1095	Hand held crimper to suit 10 - 95mm copper lugs	519.16
HD0650	Hand held crimper to suit 0.6 - 50mm copper lugs	497.67
HD6120	Hand held crimper to suit 10 - 120mm copper lugs	607.23



HD1095

Gear Operated Crimping Tool

The new Carroll crimp gear operated crimpers are heavy duty, economical alternative to Hydraulic tools. The tool is capable of crimping from 50mm² to 300mm² copper cable. The tool comes complete with 9 sets of crimping dies and a durable canvas carry bag for protection on site.

Part no.	Description	Price \$
CARROLLCRIMP	Heavy duty gear operated crimper to suit from 50 - 300mm ² copper cable	915.41



CARROLLCRIMP

Hand Hydraulic Crimper

Crimps from 16 to 300mm² Aluminium or Copper cables. Dies need to be ordered separately.

Part no.	Description	Price \$
HYD16/300	Hand operated 12 tonne hydraulic crimping tool	3,473.04

Battery Operated Crimping Tool

Suits Aluminium and copper cables. With 12 tonne compression and LED indication for crimp completion and battery status. 14.4VDC motor and 360 degree swivel head. Crimps from 16 to 300mm². Complete with carry case and shoulder strap and 2 x Lithium - ion batteries.

Dies need to be ordered separately.

Part no.	Description	Price \$
BAT-6413BB	Battery operated 12 tonne crimping tool	3,462.00



BAT-6413BB

Dies to suit Hand and Battery Operated Crimping Tools

Part No.	Die type	Die type	Crimp range	Price \$
HYD16	Copper	Hex	16mm ²	219.04
HYD25	Copper	Hex	25mm ²	219.04
HYD35	Copper	Hex	35mm ²	219.04
HYD50	Copper	Hex	50mm ²	219.04
HYD70	Copper	Hex	70mm ²	219.04
HYD95	Copper	Hex	95mm ²	219.04
HYD120	Copper	Hex	120mm ²	219.04
HYD150	Copper	Hex	150mm ²	219.04
HYD185	Copper	Hex	185mm ²	219.04
HYD240	Copper	Hex	240mm ²	219.04
HYD300	Copper	Hex	300mm ²	219.04



HYD95



CT...B



SSCT360/304



IT102



CTA4



CTS/B



AMB BASES

Cable Ties

Black weather resistant or natural. Natural ties have operating temp of -10° to 85° C.
For larger sizes or stainless steel please enquire

Part no.	Colour	Length x Width	Pack Size	Price ea \$
CT102	natural	100 x 2.5	100	0.05
CT102B	black	100 x 2.5	100	0.06
CT143	natural	150 x 3.6	100	0.10
CT143B	black	150 x 3.6	100	0.12
CT160S	natural	160 x 4.8	100	0.15
CT160SB	black	160 x 4.8	100	0.16
CT194	natural	203 x 4.6	100	0.17
CT194B	black	203 x 4.6	100	0.18
CT200M	natural	200 x 3.2	100	0.23
CT200MB	black	200 x 3.2	100	0.25
CT280	natural	300 x 4.8	100	0.32
CT280B	black	300 x 4.8	100	0.35
CT300	natural	300 x 7.6	100	0.59
CT300B	black	300 x 7.6	100	0.62
CT370	natural	385 x 4.8	100	0.42
CT370B	black	385 x 4.8	100	0.46
CT373	natural	380 x 7.6	100	0.73
CT373B	black	380 x 7.6	100	0.79
CT432	natural	432 x 4.8	100	0.73
CT432B	black	432 x 4.8	100	0.74

Stainless Steel Cable Ties

304 grade stainless steel. Refer page 197 for stainless steel cable tie guns

Part no.	L x W	Bundle mm	Pack qty	Price \$ per pack
SSCT200/304	201 x 4.6	50	100	222.82
SSCT360/304	360 x 4.6	102	100	242.23
SSCT520/304	520 x 4.6	152	100	271.30

Identification Nylon Ties

Part no.	Colour	Length x width	Pack size	Price ea \$
IT102	white	100 x 2.5	100	0.28
IT110	white	110 x 2.5	100	0.28
IT194	white	200 x 4.6	100	0.46

Identification Marker Plates

Part no.	Colour	Length x width	Pack size	Price ea \$
IP38/19	white	38 x 19	100	0.53

Screw And Push Mount Tie Bases

Part no.	Type	Colour	Length	Max tie width	Pack size	Price ea \$
CTA4	1	white	19	5	100	0.29
CTS	2	white	15	5	100	0.45
CTS/B	2	black	15	5	100	0.45
CTHD	2	white	23	9	100	0.68
CTHD/B	2	black	23	9	100	0.68
PIM	3	white		4	100	0.35

Adhesive Tie Bases

Part no.	Description	Pack qty	Price ea \$
AMB19	white 21 x 21mm base to take up to 4.7mm tie	100	0.54
AMB19B	black 21 x 21mm base to take up to 4.7mm tie	100	0.54
AMB25	white 28 x 28mm base to take up to 5.0mm tie	100	0.74
AMB25B	black 28 x 28mm base to take up to 5.0mm tie	100	0.74



Nylon Cable Glands

IP68, AS 1939 -1990

Part no.	Thread	Cable Range	Pack Qty	Price \$
M12	M12	4-6mm	100	2.48
M16	M16	5-10mm	50	2.93
M20	M20	10-14mm	40	4.12
M25	M25	13-18mm	20	6.72
M32	M32	18-25mm	15	9.14
M40	M40	22-32mm	6	14.34
M50	M50	30-38mm	3	16.42
M63	M63	34-44mm	2	19.30



NYLON CABLE GLANDS

Metal Cable Glands

IP68, Nickle plated brass. Lock nuts to be ordered separately
Please call for EMC compliant glands to suit VSD connection.

Part no.	Thread	Cable Range	Pack Qty	Price \$
MG12	M12	3-6mm	25	7.68
MG16	M16	5-10mm	25	9.14
MG20	M20	8-13mm	20	10.84
MG25	M25	11-17mm	15	17.04
MG32	M32	15-21mm	5	30.53
MG40	M40	19-28mm	3	50.79
MG50	M50	26-35mm	2	73.26
MG63	M63	32-42mm	2	131.22



METAL CABLE GLANDS

PG Nylon Cable Glands

IP68, Suits multi pole Gewiss connectors (page 294). Please enquire for other sizes

Part no.	Thread	Cable Range	Pack qty	Price \$
GW52003	PG11	7-10.5	25	3.16
GW52005	PG16	13-16	25	3.78
GW52006	PG21	17-20	25	5.25
GW52007	PG29	21-33	10	10.22
GW52008	PG36	30-34	10	14.67



GW 52003

PG Metal Cable Glands IP65

IP65, Suits multi pole Gewiss connectors (page 294). Please enquire for other sizes

Part no.	Thread	Cable Range	Price \$
GW76841	PG11	7.5-12.5	9.54
GW76842	PG13.5	7.5-12.5	9.76
GW76843	PG16	7.5-12.5	10.05
GW76844	PG21	10-19	17.21
GW76845	PG29	18-27	20.04
GW76846	PG36	24-33	21.84



GW 76845

PG Metal Cable Glands IP68

IP68, Suits multi pole Gewiss connectors (page 294). Please enquire for other sizes

Part no.	Thread	Cable Range	Price \$
GW76825	PG11	4-9	36.40
GW76826	PG13.5	7-11	42.50
GW76827	PG16	10-13	47.35
GW76828	PG21	12-17	61.91
GW76829	PG29	17-24	86.80
GW76830	PG36	20-34	146.85



GW 76829



LOCK NUTS



EURVF25



EURVM25

Lock Nuts

Part no.	Lock Nut Size	Pack Qty	Price \$
LNM/M12	M12	25	1.75
LNM/M16	M16	25	1.98
LNM/M20	M20	20	2.20
LNM/M25	M25	15	2.93
LNM/M32	M32	5	4.57
LNM/M40	M40	3	6.89
LNM/M50	M50	2	10.05
LNM/M63	M63	2	18.62

PVC Screwed Bushes

Part no.	Size	Price ea \$	Part no.	Size	Price ea \$
<i>Female bushes</i>			<i>Male bushes</i>		
EURVF16	16mm	1.19	EURVM16	16mm	1.19
EURVF20	20mm	1.30	EURVM20	20mm	1.30
EURVF25	25mm	1.81	EURVM25	25mm	1.81
EURVF32	32mm	2.54	EURVM32	32mm	2.54
EURVF40	40mm	3.16	EURVM40	40mm	3.16
EURVF50	50mm	3.78	EURVM50	50mm	3.78

Nylon Snap Bushings

Moulded black, flammability rating of 94V-2. Provide a quick, simple and low cost means of protecting cables, hoses etc from damage from raw edges

Part no.	Color	Mounting Hole	ID mm	Pack qty	Price \$ per pack
SB08	Black	7.9	5.2	100	16.82
SB10	Black	9.5	6.3	100	16.93
SB13	Black	13	8.2	100	19.98
SB16	Black	15.9	12.2	100	20.83
SB19	Black	18.9	14.3	100	21.16
SB22	Black	22	17.3	100	24.04
SB26	Black	25.1	19.1	100	27.43
SB30	Black	29.7	24.1	100	32.40
SB38	Black	38.1	29	100	36.91
SB45	Black	43.6	35.4	100	37.98
SB50	Black	50.8	41.6	100	39.39

Related products:



**Earth & Neutral
Bars**
p.82



Meter Links
p.83



C-BUS Enclosures
p.36



Tower Lights
p.341

ACCOUSTIC & VISUAL WARNING DEVICES

Surface mount indicator lights	339
Strobe lights	339
Revolving warning lights	339
Flashing pilot lamps	340
Tower lights	341
Bells	342
Buzzers	342
Sirens	342
Fire & warning alarms	342

Acoustic & Visual Warning Devices



Surface Mount Indicator Lights

- 240V
- IP55
- 15W max continuous

Part no	Description	Current Usage	Price \$
GW27415	240V Red Indicator light, requires E14 lamp	10W	30.42
GW27416	240V Green Indicator light, requires E14 lamp	10W	30.42
GW27417	240V Amber Indicator light, requires E14 lamp	10W	30.42
GW27419	240V Blue Indicator light, requires E14 lamp	10W	30.42

Strobe Lights

- Weatherproof construction IP44.
- Strobe lights use powerful Xenon tube which ensures high visibility.
- Available in Red, Amber, Green and Blue

Part no	Description	Current Usage	Price \$
SYF75D-12	12VDC Strobe Light. 80 x 75mm 76fpm	2.4mA	46.00
SYF75D-24	24VDC Strobe Light. 80 x 75mm 76fpm	100mA	46.00
SYF75D-240	240V Strobe Light 80 x 75mm 70fpm	15.3mA	46.00
SYF205	12-48VDC Multi Voltage Double Flash. 140 x 115mm. 60 double fpm	8.1mA	190.00
JBS-100-240	240V Strobe Light 100 x 75mm 70 fpm	16mA	90.00
JBS 100-12	12 VDC Strobe Light 100 x 75mm 76 fpm	2.3mA	90.00
JBS 100-24	24VDC Strobe Light 100 x 75mm 76 fpm	98mA	90.00
SYF151D	12-100VDC, 30-60VAC Strobe. 147 x 120mm 75 fpm	120mA	95.00
SYF130-12	12VDC Strobe Light 128 x 95mm 76fpm	8mA	113.00
SYF130-24	24VDC Strobe Light 128 x 95mm 76fpm	97mA	113.00
SYF130-240	240V Strobe Light 128 x 95mm 70fpm	16.6mA	113.00
SYF150-240	240V Strobe Light 147 x 120mm 70 fpm	15mA	113.00
DL152	12-30VDC Multi Voltage Double Flash 147 x 120mm	8.5mA	195.00

Revolving Warning Lights

- Weatherproof construction IP44.
- Available in Red, Amber, Green and Blue

Part no	Description	Current Usage	Price \$
DL80-12	12VDC Revolving Warning Light 140rpm	9mA	100.00
DL80-24	24VDC Revolving Warning Light 140rpm	5mA	100.00
DL190-12	12VDC Revolving Warning Light 140rpm	10mA	168.00
DL190-24	24VDC Revolving Warning Light 140rpm	98mA	168.00
RB190-240	240V Revolving Warning Light 140rpm	236mA	178.00



GW27415



DL152



SYF130-G



SYF205



SYF75D



JBS-100-24



DL80



DL190



RB190-240



TRM



Tend LED Rotating Warning Lights

- Available in Amber, Blue, Green and Red.
- Available in voltages 12V AC/DC, 24V AC/DC, 240 VAC



TWLW-08



TWLW-10

Part No.	Description	Current Usage	Price \$
TWLW-08L9	80mm LED Rotating Warning Light 12V AC/DC	100mA	103.85
TWLW-10L9	100mm LED Rotating Warning Light 12V AC/DC	100mA	118.24
TWLW-12L9	120mm LED Rotating Warning Light 12V AC/DC	100mA	155.43
TWLW-16L9	160mm LED Rotating Warning Light 12V AC/DC	200mA	239.13
TWLW-18L9	180mm LED Rotating Warning Light 12V AC/DC	200mA	301.60
TWLW-08L7	80mm LED Rotating Warning Light 24V AC/DC	100mA	103.85
TWLW-10L7	100mm LED Rotating Warning Light 24V AC/DC	100mA	118.24
TWLW-12L7	120mm LED Rotating Warning Light 24V AC/DC	100mA	155.43
TWLW-16L7	160mm LED Rotating Warning Light 24V AC/DC	150mA	239.13
TWLW-18L7	180mm LED Rotating Warning Light 24V AC/DC	150mA	301.60
TWLW-08L2	80mm LED Rotating Warning Light 240 VAC	30mA	103.85
TWLW-10L2	100mm LED Rotating Warning Light 240 VAC	30mA	118.24
TWLW-12L2	120mm LED Rotating Warning Light 240 VAC	30mA	155.43
TWLW-16L2	160mm LED Rotating Warning Light 240 VAC	30mA	239.13
TWLW-18L2	180mm LED Rotating Warning Light 240 VAC	30mA	301.60



TPL-301-A

Pilot Lamps – Flashing & Non-Flashing

- 30mm Panel Mount
- Available in Amber, Blue, Green & Red

Part no	Description	Current Usage	Price \$
TPLF-301	110V Pilot Light with E12 bulb, flashing	16.5mA	69.25
TPLF-302	240V Pilot Light with E12 bulb, flashing	16.5mA	69.25
TPLF-307	24V Pilot Light with E12 bulb, flashing	16.5mA	69.25
TPL-301	110V Pilot Light with E12 bulb, non-flashing	16.5mA	54.12
TPL-302	240V Pilot Light with E12 bulb, non-flashing	16.5mA	54.12
TPL-307	24V Pilot Light with E12 bulb, non-flashing	16.5mA	54.12



TPN INDICATORS

Tend TPN Series Indicators

Available in red, green, amber and clear

Part no	Description	Current Usage	Price \$
TPN112	10MM diameter 152 leads 240V	2mA	8.65
TPN114	10MM diameter 152 leads 415V	3mA	8.65
TPN117	10MM diameter 152 leads 24V	50mA	8.65

Tend HK201 - 240V Indicators

Available in red, green, amber and clear

Part no	Description	Current Usage	Price \$
HK-201	8mm diameter - c/w lead (8mm dia. Chrome treaded barrell)	2mA	8.40
HK-402	12mm diameter - c/w lead (9.3mm dia., treaded barrell, 190mm leads)	2mA	8.65
HK-405	10mm diameter - c/w lead (9.3mm dia., treaded barrell, 190mm leads)	2mA	8.65
HK-402NL	12mm diameter - no lead (9.3mm dia., treaded barrell, 190mm leads)	2mA	3.95



HK-201 HK-402 HK-405



Tower Lights

- Plastic construction.
- The internal spring suspension avoids damage to the bulb due to machine's vibration.
- Audio alarm buzzes at 90dB/30cm.
- 50mm diameter. LED illumination.
- Pole or base mounted.
- L (TPTL....) unit is continuous, S (TPTS....) unit is continuous and flashing.
- Light colours: R = Red, O = Orange, G = Green, B = Blue, W = White

Base Mount Type

Part no	Description	Current Usage	Price \$
TPWL5-L71R	24V Base Mount Tower Light - R	17mA	152.38
TPWL5-L72RG	24V Base Mount Tower Light - R & G	32mA	219.88
TPWL5-L73ROG	24V Base Mount Tower Light - R, O & G	46mA	288.45
TPWL5-L74ROGB	24V Base Mount Tower Light - R, O, G & B	62mA	333.60
TPWL5-L75ROGBW	24V Base Mount Tower Light - R, O, G, B & W	78mA	382.98
TPWL5-L21R	240V Base Mount Tower Light - R	20mA	139.74
TPWL5-L22RG	240V Base Mount Tower Light - R & G	40mA	201.71
TPWL5-L23ROG	240V Base Mount Tower Light - R, O & G	60mA	264.07
TPWL5-L24ROGW	240V Base Mount Tower Light - R, O, G & B	80mA	333.60
TPWL5-L25ROGBW	240V Base Mount Tower Light - R, O, G, B & W	100mA	382.98



TPWL5-L72RG

Base Mount Type with Buzzer

Part no	Description	Current Usage	Price \$
TPWS5-L71R	24V Pole Mount Tower Light with Buzzer - R	38.8mA	215.87
TPWS5-L72RG	24V Pole Mount Tower Light with Buzzer - R & G	49mA	283.54
TPWS5-L73ROG	24V Pole Mount Tower Light with Buzzer - R, O & G	58mA	351.27
TPWS5-L74ROGB	24V Pole Mount Tower Light with Buzzer - R, O, G & B	74mA	385.02
TPWS5-L75ROGBW	24V Pole Mount Tower Light with Buzzer - R, O, G, B & W	92.7mA	441.23
TPWS5-L22RG	240V Pole Mount Tower Light with Buzzer - R & G		240.30



TPWS5-L73ROG

Pole Mount Type

Part no	Description	Current Usage	Price \$
TPTL5-L71R	24V Pole Mount Tower Light - R	17mA	160.85
TPTL5-L72RG	24V Pole Mount Tower Light - R & G	32mA	228.46
TPTL5-L73ROG	24V Pole Mount Tower Light - R, O & G	46mA	300.76
TPTL5-L74ROGB	24V Pole Mount Tower Light - R, O, G & B	62mA	336.99
TPTL5-L75ROGBW	24V Pole Mount Tower Light - R, O, G, B & W	78mA	397.83
TPTL5-L21R	240V Pole Mount Tower Light - R	20mA	147.58
TPTL5-L22RG	240V Pole Mount Tower Light - R & G	40mA	209.61
TPTL5-L23ROG	240V Pole Mount Tower Light - R, O & G	60mA	275.87
TPTL5-L24ROGB	240V Pole Mount Tower Light - R, O, G & B	80mA	336.93
TPTL5-L25ROGBW	240V Pole Mount Tower Light - R, O, G, B & W	100mA	397.83

Pole Mount Type with Buzzer

Part no	Description	Current Usage	Price \$
TPTS5-L71R	24V Pole Mount Tower Light with Buzzer - R	38.8mA	182.01
TPTS5-L72RG	24V Pole Mount Tower Light with Buzzer - R & G	49mA	272.65
TPTS5-L73ROG	24V Pole Mount Tower Light with Buzzer - R, O & G	58mA	375.76
TPTS5-L74ROGB	24V Pole Mount Tower Light with Buzzer - R, O, G & B	74mA	393.82
TPTS5-L75ROGBW	24V Pole Mount Tower Light with Buzzer - R, O, G, B & W	92.7mA	449.19



TPTL5-L73ROG



6BL-240



TBY-302



TSA-220



540501FULL0389X



570011FULL-0054



FD-108R

Electric Bell

Supplied standard as red. Grey units available, please enquire.

Part no	Description	Current Usage	Price \$
4BL-24	24VAC 4" Electric Bell 95dB	222mA	86.41
4BL-24D	24VDC 4" Electric Bell 95dB	180mA	86.41
4BL-220	240V 4" Electric Bell 95dB	12.5mA	86.41
6BL-12D	12VDC 6" Electric Bell 95dB	400mA	105.88
6BL-24	24VAC 6" Electric Bell 95dB	208mA	105.88
6BL-24D	24VDC 6" Electric Bell 95dB	185mA	105.88
6BL-240	240V 6" Electric Bell 95dB	37mA	105.88
8BL-24D	24VDC 8" Electric Bell 95dB	200mA	149.50
8BL-240	240V 8" Electric Bell 95dB	37mA	149.50
10BL-24D	24VDC 10" Electric Bell 95dB	210mA	174.90
10BL-240	240V 10" Electric Bell 95dB	220mA	174.90

Surface Mount Buzzer

Part no	Description	Current Usage	Price \$
TBN-12	12VAC Surface Mount Buzzer 85dB	1.2A	23.42
TBN-12D	12VDC Surface Mount Buzzer 85dB	60mA	23.42
TBN-220	240V Surface Mount Buzzer 85dB	70mA	23.42
TBN-24	24VAC Surface Mount Buzzer 85dB	685mA	23.42
TBN-24D	24VDC Surface Mount Buzzer 85dB	300mA	23.42

Flush Mount Buzzer

Part no	Description	Current Usage	Price \$
TBY-24	24VAC Flush Mount Buzzer 85dB	500mA	46.73
TBY-24D	24VDC Flush Mount Buzzer 85dB	50mA	46.73
TBY-220	240V Flush Mount Buzzer 85dB	97.5mA	46.73

Panel Mount Buzzer

Part no	Description	Current Usage	Price \$
TBY-302	240V Panel Mount Buzzer 75dB	50mA	42.16
TBY-312D	12 VDC Panel Mount Buzzer 75dB	10mA	42.16
TBY-324	24 VAC Panel Mount Buzzer 75dB	595mA	42.16
TBY-324D	24 VDC Panel Mount Buzzer 75dB	15mA	42.16

Plastic Siren

Part no	Description	Current Usage	Price \$
TSA-220	240V plastic surface mount siren 105dB	50mA	139.40
GS261	12-24 VAC/DC piezzo panel mount buzzer, continuous or pulse tone 95dB		88.66
GS263	240V piezzo buzzer panel mount, continuous or pulse 95dB		88.66
540501FULL0389X	9-28VDC plastic surface mount siren 95-116dB 26 tones IP65		270.67
631201FULL0109	110/240VAC plastic base to suit FUL type sirens		103.39
570011FULL-0054	9-28VDC plastic surface mount siren 99-101dB 28 tones IP65		161.24
560002FULL-0072	9-28VDC plastic panel mount siren 95-116dB 26 tones IP65		161.24

Fire & Warning Alarms

Part no	Description	Current Usage	Price \$
FD-108R	Fire Call Point - Red. NO+NC Contacts (86 x 86 x 53mm)		99.78
MB-F100	Fire Bell - Red 24VDC, 30mA, 103db (81 x 81 x 30mm)	30mA	61.35
MB-FS2	LED Sounder - Red 24VDC, 30mA, 103db (81 x 81 x 30mm)	30mA	119.31

TEMPERATURE CONTROLLERS, THERMOCOUPLES & BI-METALLIC THERMOSTATS

Temperature controllers	344
Thermocouples	344
Thermostats	344
Portable Thermostats & Simmerstats	344
EVCO Digital refrigeration and heating controllers, and thermometers	345



DTA4848R0



EUR1T-D



EUR1W



WH30/S6



RDE32/S6EN



XMTG-999



JTC-905



EUR-CY



EUR-CS



RAA31



EUR-TM30



VG250/40

Temperature Controllers

DTA4848...features : PID and ON / OFF control modes. Auto tuning function.
Various Thermocouple and RTD. Two alarm outputs, with 10 alarm modes

Part no.	Description	Price \$
DTA4848R0	48x48mm Digital Temp.Controller, multi input,relay output	355.95
DTA4848C0	48x48mm Digital Temp.Controller, multi input,4-20mA output	355.95
DTA4848V1	48x48mm Digital Temp.Controller, multi input,voltage output	355.95
EUR1W	48x48mm Temp. Controller, On/Off Control, 100-240V AC	181.16
EUR1T-D	48x48mm Temp. Controller, PID Control w/ Alarm, 100-240V AC	283.82
RDE32/S6EN	-40/+140 degree programmable digital controller c/w PTC1000 sensor	217.40
RDE32/S6EN-12	-50/+140 degree programmable digital controller c/w PTC1000 sensor, 12V AC/DC input	217.40
RDE32/PTC300	-40/+270°C temperature controller 28 x 70 mm cut out	305.95
EUR 2W	72 x72mm 0/400°C temperature controller type K	262.32
SR-T701EKRON	72 x72mm 0/400°C temperature controller type K	262.32
SR-T90IEKRON	96 x 96mm 0/400°C temperature controller type K	460.19

Thermocouples

Part no.	Description	Price \$
SR100K	1.5mtr type "K" thermocouple - screw in bulb	119.08
SR101K	2mtr type "K" thermocouple - 100mm sensor	119.08

Thermostats

Part no.	Description	Price \$
EUR-CS	30-110° Clamp On Pipe Thermostat	68.40
EUR-CY	30-110° Stem Type Boiler Thermostat	75.68
EUR-TM30	15A, 240V Room thermostat, heat/cool 5-30 deg C.	68.52
EUR-TM30B	15A, 240V Room thermostat, heat only 5-30 deg C.	57.90
RAA31	6A, 24-240V Room thermostat, heat/cool with on/off switch 8-30 deg C. Siemens	76.13
RAA11	6A, 24-240V Room thermostat with tamper proof cover 8-30 deg C. Siemens	76.13

Portable Thermostat Controllers

IP55 PVC enclosure 75 x 110 x 65mm. c/w status indication. 0 - 40 deg
Complete with 3 meter flex,3 pin plug and socket

Part no.	Description	Price \$
VG250/40	0 to 40 deg enclosed thermostat controller	215.59
VG250/50	0 to 50 deg enclosed thermostat controller	215.59
VG250/90	0 to 90 deg enclosed thermostat controller	215.59
VG250/120	0 to 120 deg enclosed thermostat controller	215.59
VG250/200	0 to 200 deg enclosed thermostat controller	215.59
VG250/320	50 to 320 deg enclosed thermostat controller	215.59

Portable Simmerstat Controllers

IP55 PVC enclosure 80 x 130 x 70mm. c/w status indication
Complete with 3 meter flex and 3 pin plug and 3 pin 10A 240v socket

Part no.	Description	Price \$
VG250/TYJ6303	Simmerstat controller	215.59

Portable Programmable Digital Controller

IP55 PVC enclosure 125 x 125 x 100mm. 2 meter PTC 1000 sensor. -40 to +140 deg
Complete with 3 meter flex and 3 pin plug and 3 pin 10A 240v socket

Part no.	Description	Price \$
VG250/RDE32EN	Programmable digital controller -40 to +140 deg	392.52

Portable Thermometer Controllers

0 to +600 deg. 2 meter K type stainless steel probe
Complete with 3 meter flex and 3 pin plug and 3 pin 10A 240v socket

Part no.	Description	Price \$
VG250/LTS12K	Indicating thermometer 0 to +600 deg	266.33

All portable temperature controllers are for industrial use only.

Evco Digital Refrigeration & Heating Controllers and Thermometers

Available in 240V, 12/24V AC. Includes NTC or PTC probes
Low and medium temp units available. Enclosures for housing units in
2 different sizes c/w cut outs. Also available transformer modules, relays and timers.

Part no.	Description	Price \$
EVK100P7	240v Digital Display Only	114.06
EVK100M7	240v Digital Display with MultiProbe – PTC,NTC,PT100, or "J","K",PT1000 or 4-20mA or 0/10v Inputs.	144.93
EVK201N7	240v Medium Temp Controller with "OFF" cycle Defrost	132.85
EVK211P7	240v Medium Temp Controller with Defrost Alarm	154.64
EVK211P7VXS	240v Medium Temp Controller with Defrost Alarm, serial port with ModBus communication protocol & connection for EVKEY.	169.31
EVK211P3VXBS	12/24v Medium Temp Controller with Defrost Alarm, serial port with ModBus communication protocol, and connection for EVKEY.	169.31
EVK203P7	240v Low Temp Controller – 3 digital outputs, defrost by Temperature/Time and evaporator fan.	195.73
EVK213P3VXBS	12/24v Low Temp Controller with serial port, ModBus communication protocol and connection for EVKEY.	225.75
EVK203P7VXS	240v Low temp Controller – 3 digital outputs, defrost by Temperature/Time and evaporator fan, ModBus communication Protocol and connection for EVKEY	225.75
EVK214P3VXBS	12/24v With RTC,HACCP and Energy Saving Functions, ModBus Communication protocol and connection for EVKEY.	225.75
EVK411P7	240v Single Digital Output Thermometer heating controller	217.40
EVK403P7	240v Two Digital Output Thermometer and heating controller	229.47
EVK411M7	240v Single Digital Output Thermometer with MultiProbe – PTC,NTC,"J","K", 0-10v,4-20mA,Inputs.	229.47
EVCO Enclosure	170 x 145 x 80 With 71 x 29mm Cut-Out	47.13
EUR121210H	125 x 125 x100mm ABS with 29 x 71mm hole	33.69
EVPHASE 01	Safety Switch. Phase Failure	115.92
ECTSFB000	240v/12v/3VA Transformer	18.17
ECTSFB001	240v/12v/5.6VA Transformer	30.19
ECTSFB010	240v/24v/3VA Transformer	33.86
EV7702D7	Two Digital Output Timer	338.17
EVKPTC1.5	1.5m PTC Probe	21.73
EVKNTC1.5	1.5m NTC Probe	21.73



EUR121210H



ECTSFB000



EV7702D7

ELSEMA PRODUCTS & ROLLER DOOR CONTROLLERS

Esema handsets, receivers & transmitters.....	347
Esema and Centurion door products	351
Loop Vehicle detectors.....	351
Mounting brackets and aerials.....	352
Roller door remote logic boxes.....	354
Roller door reversing starters.....	354
High speed door controllers	354
Roller door accessories	354

The Elsema range of products, are a quality range of transmitters and receivers to help with remote switching of independent power sources and loads

433Mhz Pentacode and PentaFOB keyring transmitters and receivers

Part no.	Description	Price \$
PCK43302	2-Channel Keyring PentaCode Transmitter with 5 frequencies	47.13
PCK43304	4-Channel Keyring PentaCode Transmitter with 5 frequencies	47.58
FOB43301	1-Channel Keyring PentaFOB Transmitter with 5 frequencies, Small Button	43.06
FOB43301L	1-Channel Keyring PentaFOB Transmitter with 5 frequencies, Large Button	43.17
FOB43302	2-Channel Keyring PentaFOB Transmitter with 5 frequencies	43.51
FOB43304	4-Channel Keyring PentaFOB Transmitter with 5 frequencies	44.42
FOB43305	5-Channel Keyring PentaFOB Transmitter with 5 frequencies	44.87

The FOB remotes are available in different colours. Add the colour code to the end of the part number to order a different colour. No colour code in the part number is the standard orange.

RED = Red BLU = Blue BLK = Black xxx = Orange

433mhZ Pentacode & PentaFOB Compatible Receivers

Part no.	Description	Price \$
<i>One Channel</i>		
PCR43301RE	1 Channel Penta Receiver with 8 Amps Relay Output and 5 frequencies	61.57
PCR43301240R	1 Channel Penta Receiver with 240 VAC Supply, 8 Amps Relay Output and 5 frequencies	109.77
PCR43301240RE	PCR43301240R with IP66 rated case	135.62
<i>Two Channel</i>		
PCR43302R	1 and 2-Channel Penta Receiver with Relay Outputs and 5 frequencies	71.84
PCR43302RE	1 and 2-Channel Penta Receiver with Relay Outputs and 5 frequencies, IP66 case and 5 frequencies	87.65
PCR43302P	1 and 2-Channel Plug-in Penta Receiver with 5 frequencies	53.90
PCR43302240R	2 Channel Penta Receiver with 240VAC Supply, 8 Amps Relay Output and 5 frequencies	120.83
PCR43302240RE	PCR43302240R with IP66 rated case	146.68
<i>Four Channel</i>		
PCR43304R	4 Channel Penta Receiver with Relay Outputs and 5 frequencies	111.35
PCR43304RE	4 Channel Penta Receiver with Relay Outputs, IP66 case and 5 frequencies	142.96
<i>Five Channel</i>		
PCR43305R	5 Channel Penta Receiver with Relay Outputs and 5 frequencies	116.09
PCR43305RE	5 Channel Penta Receiver with Relay Outputs, IP66 and 5 frequencies	147.70
<i>Programmer</i>		
FOBPROG	Programmer to Edit, Add and Delete FOB's in Penta Receiver	455.96
FOBCHIP	Memory Chip to backup and Restore Penta Receivers	20.60
<i>Accessories</i>		
WB100	Wall Bracket for Keyring Pentacode transmitter	4.68
SV100	Small Car Sun Visor bracket for keyring pentacode transmitter	5.47
A23	12 Volt Alkaline Battery for Pentacode Remotes	2.20
CR2032	3 Volts Alkaline battery for PentaFOB Remotes	2.77



PCK43302



FOB43302BLU



FOB43302XXX



FOB43302RED



PCR43301RE



PCR43302P



PCR43304R



PCR43304RE



PCR43305R



PCR43305RE



FOBPROG



151 MHz FMT Transmitters

Part no.	Description	Price \$
FMT15104H	Transmitter, Hand Held with 4 channels includes antenna	193.98
FMT15108H	Transmitter, Hand Held with 8 channels includes antenna	198.72
FMT15101	Transmitter, No case, 1 Channel, 100mW, Supply 12VDC	130.31
FMT15102	Transmitter, No case, 2 Channel, 100mW, Supply 12VDC	131.33
FMT15104	Transmitter, No case, 4 Channel, 100mW, Supply 12VDC	135.62
FMT15108	Transmitter, No case, 8 Channel, 100mW, Supply 12VDC	138.89
FMT15101E	Transmitter, with case, 1 Channel, 100mW, Supply 12VDC	170.95
FMT15102E	Transmitter, with case, 2 Channel, 100mW, Supply 12VDC	171.85
FMT15104E	Transmitter, with case, 4 Channel, 100mW, Supply 12VDC	176.14
FMT15108E	Transmitter, with case, 8 Channel, 100mW, Supply 12VDC	179.41
TXA15101	Analog Transmitter, No case, 1 Channel, 100mW, 12VDC	165.64
TXA15101E	Analog Transmitter, with case, 1 Channel, 100mW, 12 VDC	179.98
T15105	Transmitter, 5 Volt Digital Data Module	79.29

151MHz FMR Receivers

Part no.	Description	Price \$
<i>One Channel</i>		
FMR15101	Receiver, 1 Channel, Supply 11-18 VAC/DC	120.27
FMR15101240	Receiver, 1 Channel, Supply 240VAC	146.12
<i>Two Channel</i>		
FMR15102	Receiver, 2 Channel, Supply 11-18 VAC/DC	124.33
FMR151022240	Receiver, 2 Channel, Supply 240VAC	150.74
<i>Four Channel</i>		
FMR15104	Receiver, 4 Channel, Supply 11-18 VAC/DC	144.65
FMR15104240	Receiver, 4 Channel, Supply 240VAC	173.55
FMR15104240E	Receiver, 4 Channel, Supply 240VAC, with IP66 rated case and 240VAC cord	220.95
<i>Eight Channel</i>		
FMR15108	Receiver, 8 channel open collector output, Supply 11-28 VAC/DC	134.26
FMR1510812R	Receiver, 8 channel Replay Output, Supply 11-14 VAC/DC	175.01
FMR1510824R	Receiver, 8 channel Replay Output, Supply 21-28 VAC/DC	175.80
<i>Analog Receiver</i>		
RXA15101	Receiver, 1 Channel Analog Output, Supply 11-28 VDC	159.66
RXA15101E	Receiver, 1 Channel with case, Analog Output, 11-28 VDC	175.92

433MHz Gigalink™ Hand Held Transmitters

Part no.	Description	Price \$
GLT43300NC	1,2,3 OR 4 Ch. Transmitter with no case	58.41
GLT43300NL	1,2,3 OR 4 Ch. Transmitter, No membrane and no Elsema label	62.25
GLT43300	1,2,3 OR 4 Ch. Transmitter, No membrane with Elsema label	63.15
GLT43301NL	1-Channel Transmitter, with membrane and no Elsema Label	69.98
GLT43302NL	2-Channel Transmitter, with membrane and no Elsema Label	69.98
GLT43303NL	3-Channel Transmitter, with membrane and no Elsema Label	69.98
GLT43304NL	4-Channel Transmitter, with membrane and no Elsema Label	69.98
GLT43301	1-Channel Transmitter, with membrane and Elsema Label	73.37
GLT43302	2-Channel Transmitter, with membrane and Elsema Label	73.37
GLT43303	3-Channel Transmitter, with membrane and Elsema Label	73.37
GLT43304	4-Channel Transmitter, with membrane and Elsema Label	73.37
GLT43308NC	8-Channel Transmitter, No Case	83.92
GLT43308NL	8-Channel Transmitter, with Case, No Label	118.52
GLT43308	8-Channel Transmitter, with membrane and Elsema label	129.81
GLT43316NL	2-stroke 16-Channel Transmitter with membrane and no Elsema Label	84.66
GLT43316NL	2-stroke 16-Channel Transmitter	79.01



FMT15104H



FMT15108H



FMT15101E



FMT15104E



FMR15101



FMR15104



FMR15101240E



GLT43301



GLT43302



GLT43303



GLT43304



GLT43308

433 MHz Gigalink™ High Power Long Range Transmitters

Part no.	Description	Price \$
GLT4330812NC	Transmitter, No case, 1-8 channel, 25mW, Supply 11-24VDC	112.93
GLT4330112E	Transmitter, with case, 1 Channel, 25mW, Supply 11-24VDC	150.86
GLT4330212E	Transmitter, with case, 2 Channel, 25mW, Supply 11-24VDC	155.60
GLT4330412E	Transmitter, with case, 4 Channel, 25mW, Supply 11-24VDC	161.92
GLT4330812E	Transmitter, with case, 8 Channel, 25mW, Supply 11-24VDC	168.24

433MHz Gigalink™ Receivers

Part no.	Description	Price \$
GRL43301SS	1 Channel, Strip Receiver with Open Collector Output	107.40
GRL43301SST	1 Channel, Strip Receiver with Open Collector Output and Terminal Connection	107.40
GRL43302SS	2 Channel, Strip Receiver with Open Collector Output	108.53
GRL43302SST	2 Channel, Strip Receiver with Open Collector Output and Terminal Connection	108.53
GRL43301	1-Channel, 11-28 VAC/DC Supply connection and Relay Output	122.30
GRL43301E	1-Channel, 11-28 VAC/DC Supply Relay Output and Plastic Case	158.42
GRL43301240	1-Channel, 240VAC Supply Connection and Relay Output	139.23
GRL43302	2-Channel, 11-28 VAC/DC Supply connection and Relay Outputs	127.04
GRL43302240	2 channel, 240VAC Supply and 2 Relay Outputs	172.19
GRL43303	3-Channel, 11-28VAC/DC Supply Connection and Relay Outputs	130.09
GRL43304	4-Channel, 11-28 VAC/DC Supply Connection and Relay Outputs	138.22
GRL43304240	4-Channel, 240VAC Supply and 4 Relay Outputs	187.99
GRL43304240E	4-Channel, 240 VAC Supply, with IP66 rated case and 240VAC cord	235.40
GRL43308	8-Channel, 11-28 VAC/DC Supply Connection and Solid State Outputs	117.90
GRL43308R	8-Channel, 11-28 VAC/DC Supply Connection and Relay Outputs	155.82
GRL43308RE	8-channel, 11-28 VAC/DC Supply, Relay Outputs and Case	197.36

434MHz Multicode Long Range Transceiver with Repeater and Acknowledgment

Part no.	Description	Price \$
MCTR43401R	1-Channel Transceiver with 10mW, Supply 10-28 VAC/DC	180.09
MCTR43402R	2-Channel Transceiver with 10mW, Supply 10-28 VAC/DC	193.64
MCTR43404R	4-Channel Transceiver with 10mW, Supply 10-28 VAC/DC	221.40



GRL43301SST



GRL43301240



GRL43301240E



GRL43304240



GRL43308RE

Related products:



Bi-Metal Lugs
p.327



Techno Connectors
p.294



Weatherproof GPOs
p.273



Push-button Enclosures
p.228



915MHz Multicode Transmitters with Frequency Hopping

Part no.	Description	Price \$
MCT91501	1-Channel Multicode Technology Transmitter	88.66
MCT91502	2-Channel Multicode Technology Transmitter	89.45
MCT91503	3-Channel Multicode Technology Transmitter	90.02
MCT91504	4-Channel Multicode Technology Transmitter	90.70
MCT91508	8-Channel Multicode Technology Transmitter	176.93
MCT91512	12-Channel Multicode Technology Transmitter	182.46
MCT91516	16-Channel Multicode Technology Transmitter	189.57
MCT91501NL	1-Channel Multicode Technology Transmitter, No Label	87.08
MCT91502NL	2-Channel Multicode Technology Transmitter, No Label	87.87
MCT91503NL	3-Channel Multicode Technology Transmitter, No Label	88.44
MCT91504NL	4-Channel Multicode Technology Transmitter, No Label	89.11
MCT91508NL	8-Channel Multicode Technology Transmitter, No Membrane	171.97
MCT91512NL	12-Channel Multicode Technology Transmitter, No Membrane	175.24
MCT91516NL	16-Channel Multicode Technology Transmitter, No Membrane	178.51
MCT91501SMA	1-Channel Multicode Technology Transmitter with ANT915mini	128.17
MCT91502SMA	2-Channel Multicode Technology Transmitter with ANT915mini	128.96
MCT91503SMA	3-Channel Multicode Technology Transmitter with ANT915mini	129.52
MCT91504SMA	4-Channel Multicode Technology Transmitter with ANT915mini	130.20
MCT91508SMA	8-Channel Multicode Technology Transmitter with ANT915mini	216.44
MCT91512SMA	12-Channel Multicode Technology Transmitter with ANT915mini	221.97
MCT91516SMA	16-Channel Multicode Technology Transmitter with ANT915mini	229.08
MCT91501NC	1-Channel Multicode Technology Transmitter, no case	85.84
MCT91502NC	2-Channel Multicode Technology Transmitter, no case	86.63
MCT91503NC	3-Channel Multicode Technology Transmitter, no case	87.20
MCT91504NC	4-Channel Multicode Technology Transmitter, no case	87.87
MCT91508NC	8-Channel Multicode Technology Transmitter, no case	149.39
MCT91512NC	12-Channel Multicode Technology Transmitter, no case	151.65
MCT91516NC	16-Channel Multicode Technology Transmitter, no case	154.13

915MHz Multicode Receivers with Frequency Hopping

Part no.	Description	Price \$
MCR91501P	1-Channel Plug in Receiver with open collector output	83.92
MCR91501PT	1-Channel, Receiver with terminal block and open collector output	83.92
MCR91501R	1-Channel, 10-28VAC/DC Supply with Relay Output, SMA	138.10
MCR91502P	2 CHANNEL, Plug in Receiver with open collector outputs	85.05
MCR91502PT	2 Channel, Receiver with terminal blocks and open collector outputs	85.05
MCR91502R	2-Channel, 10-28VAC/DC Supply with Relay Output, SMA	146.00
MCR91503R	3-Channel, 10-28VAC/DC Supply with Relay Output, SMA	170.95
MCR91504R	4-Channel, 10-28VAC/DC Supply with Relay Output, SMA	172.87
MCR91508SS	8-Channel, 10/28VAC/DC Supply with Open Collector Output	157.40
MCR91508POS	8-Channel, 10-28VAC/DC Supply with Positive switching Output	162.71
MCR91508R	8-Channel, 10-28VAC/DC Supply with Relay Output, SMA	195.33
MCR91512SS	12-Channel, 10-28VAC/DC Supply with Open Collector Output	185.85
MCR91512R	12-Channel, 10-28VAC/DC Supply with Relay Output, SMA	246.01
MCR91516SS	16-Channel, 10/28VAC/DC Supply with Open Collector Output	185.85
MCR91516R	16-Channel, 10-28VAC/DC Supply with Relay Output, SMA	265.20

Wireless Pump and Tank Controllers

Part no.	Description	Price \$
PCU	434mHz Pump Control Unit	393.43
TCU	434MHz Tank Control Unit	393.43
MCU	434MHz Monitoring Control Unit	314.41



MCT91501



MCT91504



MCT91508



MCT91516



MCT91501SMA



MCT91504SMA



MCT91508SMA



MCT91516SMA



MCR91501P



MCR91501PT



MCR91501R



MCR91502PT



MCR91508R

Elsama and Centurion Door Products

Elsama Door Products

Part no.	Description	Price \$
COBO 31	Double 240V Motor Drive Controller, PCB Only	135.92
MCV1	12 to 24 Volt Single or Double Motor Controller with 4-Line LCD, Card Only	277.77
MC240	Double Swing gate Motor controller with LCD 240Vac	249.00
240S2	Automatic gate/door controller for single 240Vac Motor	94.00
PCK43302	2-Channel keyring Pentacode transmitter with 5 frequencies	43.83
PCK43304	4-Channel keyring Pentacode transmitter with 5 frequencies	44.26
FOB43301	1-Channel Keyring PentaFOB Transmitter with 5 frequencies, Small Button	40.06
FOB43301L	1-Channel Keyring PentaFOB Transmitter with 5 frequencies, Large Button	40.16
FOB43302	2-Channel Keyring PentaFOB Transmitter with 5 frequencies	40.48
FOB43304	4-Channel Keyring PentaFOB Transmitter with 5 frequencies	41.32
FOB43305	5-Channel Keyring PentaFOB Transmitter with 5 frequencies	41.74
PCR43302P	1 and 2 - Channel Plug-in Penta Receiver with 5 frequencies	50.14

Centurion Door Products

Part no.	Description	Price \$
CP91	AC Motor Controller - boxed	144.28
CP93	Dual AC Motor Controller - boxed	240.00
TX2NV2433_AU	Nova Transmitter, 2 Button	45.71
RX2NHV1433_AU	Nova Receiver, 2 Channels	95.71

Automatic Gate and Door Controllers Accessories

Vehicle Detectors

Part no.	Description	Price \$
LD30-12	1-Channel High Sensitivity Detector with 12VAC/DC Supply	251.20
LD30-24	1-Channel High Sensitivity Detector with 24VAC/DC Supply	252.78
MD2010	1-Channel Mini Detector with 12 or 24 Volt Supply	141.04
MD12-1	1-Channel Detector with Base Mount, 12VDC Supply	156.39
MD12-2	2-Channel Detector with Base Mount, 12VDC Supply	208.54
MD240-1	1-Channel Detector with Base Mount, 240VDC Supply	156.39
MD240-2	2-Channel Detector with Base Mount, 240VDC Supply	208.54

Loops for Vehicle Detectors

Part no.	Description	Price \$
LOOP1200	Preformed Loop, 1.2m x 1.2m with 3 metres Protected Lead and 3 metres Twisted pair	454.60
LOOP1500	Preformed Loop, 1.5m x 0.8m with 3 metres Protected Lead and 3 metres Twisted pair	492.64
LOOP2000	Preformed Loop, 2.0m x 1.2m with 3 metres Protected Lead and 3 metres Twisted pair	606.08

GSM Controller

Part no.	Description	Price \$
GSM-1000	GSM Controller with 2 inputs and 2 outputs	410.13
G-2000	GSM Controller 9-24VDC 3G 850/2100 MHz receiver with 2 inputs and 1 relay output	535.00

Magnetic Locks

Part no.	Description	Price \$
ML02WP	Magnetic Lock, Waterproof IP-66, Holding force 270Kgs	240.59
ML03WP	Magnetic Lock, Waterproof IP-66, Holding force 540Kgs	272.65
LZ-02	L-Z Bracket Assembly for ML02WP	64.17
LZ-03	L-Z Bracket Assembly for ML03WP	64.17

ELSEMA
**IMPROVED
& EXPANDED
RANGE**


CP91



CP93



TX2NV2433_AU




IS250



IS300



IS320



CONTROLLER



REMOTES



ANT915S



ANT915S-N

Gate Opening Systems

Our complete gate opening systems are great for easy installation, with all required parts supplied in each installation kit (motor/s, controller, remotes & PE sensing beam)

Features:

iS250/D – For domestic applications, 240V supply, 24VDC motor output, soft start/stop adjustable
Maximum gate size / weight: 4m / 250kg or 3m / 300kg
Worm Drive motor with option of solar or battery backup
Day / night sensor adjustable

iS300/D – For domestic/commercial applications, 240V supply, 24VDC motor output, user adjustable
Maximum gate size / weight: 4m / 300kg or 3m / 400kg
Worm Drive motor with option of solar or battery backup
Day / night sensor adjustable

iS320/D – For commercial applications, 240V supply, 240V motor output, user adjustable
Maximum gate size / weight: 4m / 600kg or 2m / 800kg
Hydraulic motor with option for UPS backup
Day / night sensor adjustable

Part no.	Description	Price \$
iS250D	2 x swing gate motors, MC24E controller, 3 x remotes & PE beam	1,116.00
iS250	1 x swing gate motor, 24S3E controller, 3 x remotes & PE beam	792.00
iS300D	2 x swing gate motors, MC24E controller, 3 remotes & PE beam	1,308.00
iS300	1 x swing gate motor, 24S3E controller, 3 x remotes & PE beam	888.00
iS320D	2 x hydraulic swing gate motors, MC240E controller, 3 remotes & PE beam	2,280.00
iS320	1 x hydraulic swing gate motors, MC240E controller, 3 remotes & PE beam	1,680.00

Protectors / Covers / Holders

Part no.	Description	Price \$
SIL04	Silicone Plastic Cover for GLT2701 02 03 04 and GLT43301 02 03 04	6.26
SIL08	Silicone Plastic Cover for GLT2708, GLT43308, MCT91508, 12 & 16	9.09
RUB4BLK	Rubber Boot for Hand Held Transmitter, colour black	12.92
RUBBLUE	Rubber Boot for Hand Held Transmitter, colour blue	12.92
RUBYELLOW	Rubber Boot for Hand Held Transmitter, colour yellow	12.92
RUB8BLK	Rubber Boot for Large Hand Held Transmitter, colour black	14.84
RUB8BLUE	Rubber Boot for Large Hand Held Transmitter, colour blue	14.84
RUB8YELLOW	Rubber Boot for Large Hand Held Transmitter, colour yellow	14.84
LP	Leather Pouch for FMT - series transmitters	32.11

Plastic Quick Mounting Brackets

Part no.	Description	Price \$
ANT27S	27MHz, 0.40 Metre Long with Base, small Bracket and 1.5 Metres Coaxial with PL259	64.17
ANT27M	27MHz, 1.00 Metre Long with Base, small Bracket and 3.6 Metres Coaxial with PL260	121.40
ANT27L	27MHz, 1.80 Metre Long with Base, small Bracket and 3.6 Metres Coaxial with PL261	155.82
ANT151S	151MHz, 0.20 Metre Long with Base, Small Bracket and 1.5 Metres Coaxial with PL259	100.85
ANT151M	151MHz, 1.05 Metre Long with Base, Small Bracket and 3.6 Metres Coaxial with PL260	135.17
ANT433LP	433MHz, 40mm long with Base, Small Bracket and 3.6 Metres Coaxial with SMA	89.34
ANT433S	433MHz, 0.35 metre Long with Base, Small Bracket and 3.6 Metres Coaxial with SMA	64.17
ANT433S-N	433MHz, 0.35m Long with N Connector Base, Small Bracket and 3.6m Coaxial with SMA	90.47
ANT433M	433MHz, 0.94 Metre Long with Base, Large Bracket, 3.6 metre Coaxial with SMA	126.02
ANT433MSPR	ANT433M antenna with vibration spring for Vehicle Mounts	163.84
YAGI433-3	3 Element Yagi Antenna with 6.5dbi Gain and Bandwidth 355 - 450MHz	194.77
YAGI-433-6	6 Element Yagi Antenna with 9.5dbi Gain and Bandwidth 385 - 450MHz	217.68
ANT900LP	860-960MHz, 40mm long with Base, small Bracket and 3.6 metres coaxial with SMA	88.21
ANT915S	915MHz, 0.19m long with Base, small Bracket and 3.6 metres coaxial with SMA	57.28
ANT915S-N	915mHz, 0.19m long with N connector Base, Small Bracket and 3.6m Coaxial with SMA	87.08
ANT915M	915MHz, 0.70m long with Base, Large Bracket, 3.6m Coaxial with SMA	179.87
YAGI900-3	3 Element Yagi Antenna with 6.0dBi Gain and Bandwidth 800 - 1200MHz	181.00
YAGI900-6	6 Element Yagi Antenna with 9.5dBi Gain and Bandwidth 800 - 1200MHz	203.91



Antenna Only

Part no.	Description	Price \$
27S	24MHz, 0.40metre antenna with PL259 Termination	34.37
151Mini	151MHz, 0.19 metre antenna with SMA Termination	27.49
151S	151MHz, 0.20metre antenna with PL259 Termination	39.00
433Micro	433MHz, 0.05 metre antenna with SMA Connector Termination	20.60
433Mini	433MHz, 0.15 metre antenna with SMA Connector Termination	32.11
433S-N	433MHz, 0.35 metre antenna with N Connector Termination	52.66
915Mini	915MHz, 0.19 metre antenna with SMA Connector Termination	34.37
915S-N	915MHz, 0.19 metre antenna with N Connector Termination	50.40



433MICRO

Antenna base with coaxial cable and connector

Part no.	Description	Price \$
AB1.5PL	1.5 metres Coaxial Cable with PL259 Termination and Antenna base	22.63
AB3.6PL	3.6 metres Coaxial Cable with PL259 Termination and Antenna base	27.94
AB5.0PL	5.0 metres Coaxial Cable with PL259 Termination and Antenna base	31.55
AB1.5SMA	1.5 metres Coaxial Cable with SMA Termination and N type Antenna base	20.60
AB3.6SMA	3.6 metres Coaxial Cable with SMA Termination and N type Antenna base	25.90
AB5.0SMA	5.0 metres Coaxial Cable with SMA Termination and N type Antenna base	29.40

The above three coaxial lengths are our most common configurations..Any coaxial length can be ordered just replace and length in the part number AB__PL or AB__ SMA...

Total length is in metres and will vary slightly since we optimize the coaxial length to our antennas... Each extra metre will cost \$1.10 per metre.



433MINI

Mounting Brackets

Part no.	Description	Price \$
MBSMALL	Antenna wall mounting bracket, small	16.08
MBLARGE	Antenna wall mounting bracket, large	32.11
MBMIRROR	Antenna mirror mounting bracket for trucks/cars	34.37

Coaxial Cable

Part no.	Description	Price \$
RG58C/U	50Ω Coaxial Cable suitable up to 300MHz, per metre	2.99
RG58C/UROLL	50Ω Coaxial Cable suitable up to 300MHz, 100 metre roll	229.08
RG58	50Ω Low Loss Cellofil Coaxial suitable above 300MHz, per metre	3.67
RF58ROLL	50Ω Low Loss Cellofil Coaxial suitable above 300MHz, 100 metre roll	297.82

RF Connectors

Part no.	Description	Price \$
PL259	50Ω RG58 Coaxial Crimp Connector	5.70
SO239	Flange Mount SO239 socket	8.30
SO239JACK	UHF Double Jack Adapter	5.14
SMA-1	2 Hole Flange mount SMA jack	9.20
SMA-2	PCB mount 90 degree SMA jack	8.63
SMA-3	PCB mount Straight SMA jack	8.63
SMA-15	SMA Female to PL259 adapter	27.49
SMA-20	SMA Male to SO 239 adapter	27.49



915S-N



**High Speed
Door Controller**



LD 102



SO/13/WP



SO/12/WP



**OSLW01103
104NAW**

Remote Logic Boxes CRTS-12-3-1

- We offer a remote control device (utilising a COBO 31 Micro-processor circuit board) for complete automatic operation.
- The remote unit is suitable for use on rapid roller shutters and all other commercial applications.
- The remote is capable of working with access systems, security keypads, and key lock switches, remote buttons (FOB43302 or Pentacode or FMT-302), photo cells & loop controls.
- Complete with remote control receiver card (PCR43302P or FMR-201).
- Automatic close time function, IP55 enclosure wired to terminal strip for ease of installation.
- ATA receivers and Transmitters, if required, can be supplied at an additional cost



Reversing Starter TCR-11-3-1...

- Custom built to your requirements
- Screen printed with your logo
- Fully wired to terminal strip for ease of wiring and installation
- IP55 Protection rating
- Overload protection
- Can be fitted with optional key switch isolator
- Momentary / latching raise circuit



High Speed Door Controller

- Supplied in metal or PVC enclosure
- Variable speed drive and cycle option
- Optional Cycle counter
- Dedicated micro- processor control card, or programmable logic controller (PLC), or Eaton EASY programmable relay
- Encoder controlled version with Touchscreen setup and Monitoring, fully optioned
- Single or three phase supply
- Mains isolator
- Pre-wired to a terminal strip for ease of installation
- Optional Loop controller terminals
- 2 Speed contactor version available
- Special requirements, custom build for sliding, swing & roller type doors
- Optional Ethernet connection for building management applications

We also supply customised-built door control panels to clients' requirements.

Roller Door Accessories

Part no.	Description	Price \$
LD 116	11-26 Vac/DC Din mount Loop Detector	156.00
SO/6/WP	Raise / Off / Lower key switch in PVC enclosure	104.70
SO/12/WP	Raise / Off / Lower key switch in Aluminium enclosure	279.00
SO/13/WP	Raise / Off / Lower key switch in Plastic enclosure	279.00
OSLW01103014NAW	Raise / Off / Lower key switch on a stainless steel plate for flush mounting	178.79
BFCN-25-P4B	Large cam 15:1 ratio, ravioli cam switches, 4 pole	210.00
BFNCN-15-P4B	Large cam 25:1 ratio, ravioli cam switches, 4 pole	259.00

Product	Sub product	Brand	Page
Bakelite	Power points logix 88 series	Logix	274
	Switches and switch mechanisms logix 88 series	Logix	275
	Eureka installation accessories	Eureka	275
Bells	Bells 4BL, 6BL & 10BL range	Tend	342
Buzzers	TBY range	Tend	342
Cable ties	Cable ties & accessories	Eureka	334
Cam switches	Cam switches TO/P1/P3 range IP65	Eaton	123
	Kraus & Naimer Control Cam switches	Kraus & Naimer	230
Circuit breakers & RCDs	Motor protective circuit breakers PKZM0 range	Eaton	112
	Motor protective circuit breakers PKZM4 range	Eaton	112
	Motor protective circuit breakers PKE range	Eaton	112
	Motor protective circuit breakers PKZM01 range	Eaton	113
	Motor protective circuit breaker accessories PKZ range	Eaton	113
	Miniature circuit breakers and accessories PLS, PLSM & PLHT range	Eaton	114
	Residual current devices PFIM range	Eaton	118
	Residual current circuit breakers PKNM range	Eaton	118
	Residual current circuit breakers eRB6 range	Eaton	118
	Moulded case circuit breakers and accessories NZM range	Eaton	119
	Motor protective circuit breakers & accessories MMS range	LS	143
	Miniature circuit breakers & accessories BK range	LS	144
	Residual current circuit breakers RKP and RKS range	LS	146
	Residual current circuit breakers compact type 6kA RKC range	LS	146
	Residual current devices RKN range	LS	146
	Moulded case circuit breakers TS range	Susol	159
	Moulded case circuit breaker TS range accessories	Susol	161
	Air circuit breakers & accessories AN and AS range	Susol & Metasol	169
	Residual current circuit breakers compact type 3kA RCBO range	Eureka	271
	Residual current circuit breakers compact type 6kA G6000 range	GWR	271
Change over switches	Changeover switches Z-S/W range	Eaton	117
Circuit breaker chassis	ELS1 6&10kA MCB chassis	Eaton	120
	ELS6 6kA MCB chassis	Eureka	147
	ELS1 10kA MCB chassis	Eureka	150
	SS & DS MCCB chassis	Eureka	163
Cooling units	Wall mounted SK range IP34 Internal circuit, IP54 external circuit	Rittal	74
	Roof mounted SK range IP34 Internal circuit, IP54 external circuit	Rittal	75
Contactors & overloads	Contactors X-Start range	Eaton	94
	Overloads X-Start range	Eaton	95
	Contactors accessories X-Start range	Eaton	96
	Contactors E-Line range	Eaton	97
	Overloads E-Line range	Eaton	98
	Contactors accessories E-Line range	Eaton	98
	Installation contactors Z-R/SCH range	Eaton	117
	Contactors Metasol MC range	Metasol	137
	Overloads Metasol MT range	Metasol	138
	Overloads electronic Metasol GMP range	Metasol	139
	Contactors Mini GMC range	Metasol	139
	Overloads Mini GTK range	Metasol	139
	Contactors accessories MC and GMC range	Metasol	140
	Installation contactors TS range	Eureka	270
Counters	Counters	Eureka	130

Product	Sub product	Brand	Page
Current transformers	Circutor compact current transformers MC range	Circutor	213
	Rishabh current transformers RCT range	Rishabh	216
	Rishabh current transformers CRCT range	Rishabh	217
	Rishabh split core current transformers RSCT range	Rishabh	217
	Circutor split core current transformers M7000 range	Circutor	219
Din rail	Din rail	Eureka	78
Distribution boards	Distribution board and enclosure system MDB range IP42 & IP56	Eureka	32
	Distribution board Lite economy range LDB range IP40	Eureka	33
	Distribution boards Energy management MDB range IP42 & IP56	Eureka	37
Distribution pillars	Distribution pillars	Eureka	279
DOL starters	DOL Starters EDOL range	Eaton	100
	DOL Starters TEW range	Tend	132
Earth & neutral bars	Earth & neutral bars 165A, 250A, 400A	Netec	82
	Active & neutral meter links AN range	Netec	83
Emergency lighting test kits	Eureka electronic emergency test kits din mount T-ELTUE range	Eureka	270
Emergency stop switches	Foot and palm emergency stop switches FAX range	Eaton	104
	Emergency stop switches RMQ Titan M22 range IP66	Eaton	106
	Emergency stop switches 22MM ECX range	Comepi	222
	Emergency stop switches 22MM TN2 range IP66	Tend	224
	Foot and palm emergency stop switches SA range	Comepi	234
Enclosures	PVC enclosures 44 range IP56	Gewiss	16
	Polyester enclosures 46 range IP65	Gewiss	17
	ABS enclosures IP65	Eureka	17
	ABS enclosures BC-AGS, BC-ATS, BC-AGP, BC-ATP range IP66	Boxco	18
	Polycarbonate enclosures BC-CGS, BC-CTS, BC-CGP, BC-CGP, BC-CTP range IP66	Boxco	22
	ABS and Polycarbonate enclosures mounting plates	Boxco	24
	Die cast aluminium enclosures BC-AL range IP66	Boxco	25
	Die cast aluminium junction boxes 76 range IP66	Gewiss	25
	ABS terminal boxes BC-AG range IP66	Boxco	25
	Aluminium terminal boxes BC-AL range IP66	Boxco	25
	Metal enclosures economy grey EUR range IP65	Eureka	27
	Metal enclosures economy orange EUR range IP65	Eureka	27
	Metal enclosures inner door kits economy EUR range	Eureka	28
	Metal terminal boxes TL range IP66	Eureka	28
	Metal enclosures AB range IP42 & IP56	Eureka	36
	Metal enclosures CBB C Bus range IP42 & IP56	Eureka	36
	Eureka Distribution board and enclosure system accessories	Eureka	39
	Metal enclosures premium grey AE range IP66	Rittal	50
	Metal enclosures premium rain hoods AE range	Rittal	50
	Metal enclosures premium orange AE range IP66	Rittal	51
	Stainless steel enclosures 304 AE range IP66	Rittal	51
	Stainless steel enclosures 316 AE range IP66	Rittal	52
	Stainless steel enclosures 316L Blind nut mounting AE range IP66	Rittal	52
	Stainless steel premium rain hoods 304 & 316 AE range	Rittal	53
	Metal enclosures inner door kits AE range	Rittal	53
	E-Box metal enclosures & accessories EB range IP66	Rittal	55
	Fibreglass enclosures & accessories KS range IP66	Rittal	56
	Hygienic design Stainless steel enclosures HD range IP66	Rittal	56
	Metal terminal boxes and accessories KL range IP66	Rittal	57
	Stainless steel 304 terminal boxes KL range IP66	Rittal	58
	Stainless steel 316L terminal boxes KL range IP66	Rittal	58
	Hygienic range stainless steel terminal boxes HD range IP66	Rittal	58
	Mining enclosures stainless steel 316 IP66 RM range	Rittal	59

Product	Sub product	Brand	Page
Enclosures (cont.)	Sloped roof enclosures stainless steel 316 IP66 AE range	Rittal	60
	Metal enclosures compact grey IP66 CM range and accessories	Rittal	60
	Metal enclosures free standing IP55 SE8 range	Rittal	61
	Stainless steel enclosures free standing 304 IP55 SE8 range	Rittal	61
	Plinth kits CM / SE8 range	Rittal	62
	Freestanding Bayable enclosures TS8 range IP55 and accessories	Rittal	63
	One piece consoles TP range IP55	Rittal	69
Ethernet switches	Ethernet switches SFNB , SFN and FL range	Phoenix Contact	185
Fans	Switchboard fans and vent kits Toptherm range	Rittal	70
	Switchboard fans and vent kits	Eureka	77
Ferrules	Boot lace pins	Carroll	329
	Boot lace pins Starfix	Legrand	329
Flexible busbars	Cu flex flexible & mini flexible busbars FB range	Cubic	89
Flexible conduit & fittings	Corrugated conduit packs DNA range	Eureka	273
	Corrugated PVC conduit	Eureka	309
	Corrugated PVC conduit fittings	Eureka	309
	Harnessflex Nylon conduit system and accessories	Carroll	309
	Corrugated nylon FPAS range	Flexicon	316
	FPAX corrugated conduit snap lock fittings	Flexicon	316
	Flexilok fittings FLK range	Flexicon	318
	Galvanised steel PVC coated liquid tight LTP, LTPAS & LTPHC range	Flexicon	318
	Smooth spiral reinforced LPC range	Flexicon	319
	Galvanised steel PVC coated LTPPU	Flexicon	320
	Galvanised steel PVC coated FSU range	Flexicon	320
	Galvanised steel braided FSB range	Flexicon	321
	Galvanised steel, zinc FU range	Flexicon	321
	Stainless steel SSU range	Flexicon	322
	EXD flame proof glands	Flexicon	322
	EXD Braided flame proof glands	Flexicon	323
	EXE Increased safety / dust ignition proof glands flame proof glands	Flexicon	323
	Flexicon installation accessories and contractor packs	Flexicon	324
Floor boxes	Floor boxes GW series	Gewiss	271
Fuses	Service fuses	Cooper	210
	Glass fuses	Eureka	210
	Fuse links and fittings	Eureka	211
Gate openers	Complete gate opening installation kits	Elsema	352
Glands	Nylon cable glands	Eureka	335
	Metal cable glands	Eureka	335
	PVC bushes	Eureka	336
	Nylon snap bush fittings	Eureka	336
Heaters	Enclosure heaters SK range	Rittal	72
	Enclosure heaters JRQ range	Eureka	77
Heat shrink	Heat shrink lengths, rolls & kits	Carroll	79
Insulators	Busbar insulators SM range	Eureka	84
Isolators, change over and transfer switches	Din mount switch disconnectors IS range	Eaton	115
	Din mount switch disconnectors BKD range	LS	146
	Load break switches & accessories CSSD range	C&S	205
	Compact load break switches RI3 range	Eureka	205
	Load break switches & accessories KS range	Ensto	206

Product	Sub product	Brand	Page
Isolators, change over and transfer switches (cont.)	Panel, rear mount and enclosed isolators TDS range	Tend	206
	Change over switches CSCS range	C&S	207
	Automatic transfer switches BTS range	C&S	207
	Load break switches DUMECO range	Eaton	208
	Change over switches DUMECO range	Eaton	209
	Fuse switch disconnectors CSSF range	C&S	209
	Fuse switches NHR17 range	Eureka	210
	Weatherproof isolators DNA & MIS range IP56	Eureka	273
	Weatherproof change over switches UKF range IP56	Eureka	273
Isolating barriers	Isolating barriers MACX range	Phoenix Contact	187
Labelling	Wire marking system Memocab range	Legrand	80
	Legend plates and switchboard labels	Eureka	228
Lamp test diode blocks	Lamp test blocks TLM range	Eureka	229
Lighting	Cubicle lights	Eureka	84
	LED work lights THL range	Tend	271
	Revolving warning lights DL & RB range	Tend	339
	Surface mount Indicator lights GW Range	Tend	339
	Strobe lights SYF and JBS range	Tend	339
	Rotating LED warning lights TWLW range	Tend	340
	Flashing pilot lamps TPL range	Tend	340
	Tower lights TPW range	Tend	341
Line taps	Line taps	Eureka	83
Load centres	Weatherproof DIN enclosures GW68 range IP55	Gewiss	17
	Plastic load centres IP42	Eureka	45
	MCB enclosures DA range	Eureka	46
	Eureka metal load centres CM range IP42	Eureka	46
	Weatherproof plastic load centres IP55	Eureka	46
	Weatherproof plastic load centres IP66	GEN 3	303
Loom tube	Loom tube split corrugated	Carroll	80
Lubricants & greases	INOX lubricants & greases	Eureka	278
Lugs	Copper lugs S range	Carroll	326
	Bi-metal lugs BML range	Carroll	327
	Long palm lugs LPLB range	Carroll	327
	Narrow palm lugs SCB range		328
	Copper crimp lugs C range	Carroll	328
	Ring, spade & quick connect terminals	Carroll	331
Motor starters	Hybrid Motor starters ELR range	Phoenix Contact	191
Measurement & testing appliances	Measurement and testing appliances UT range	UNI-T	276
Meters	Hour run meters	Eureka	130
	Multi function power meters M range	Circutor	213
	Kilowatt hour meters SPK, TPK & KWH range	Eureka	213
	Maximum demand and selector switch meters and scales BM range	Rishabh	214
	Switchboard meters BE range	Rishabh	215
Pilot lights and lamps	Indicator lights LED RMQ Titan M22 range IP66	Eaton	106
	Pilot lights Comepi ECX range	Comepi	221
	Indicator lights Economy LED PL range IP65	Eureka	222
	Indicator lights Economy LED TN range IP65	Tend	223
	LED lamps	Eureka	229
	Indicators	Swann	233

Product	Sub product	Brand	Page
Plugs, sockets & outlets	Panel mount unswitched socket outlets RS range	Eureka	270
	Din mount GPOs DP range	Eureka	273
	Weatherproof GPOs IP53	Eureka	273
	Marechal plugs, sockets & Decontactors DSN, DS, DXN ranges	Marechal	281
	Mini connectors THB range IP68	Gewiss	294
	Multi pole connectors GW76 range	Gewiss	294
	Plugs and switched socket outlets IEC 309 range	Gewiss	298
	Combination switched socket outlets CO3 range IP66	GEN 3	301
	Switches S3 range IP66	GEN 3	302
	Straight and angled plugs PL range IP66	GEN 3	302
	Socket outlets SC range & accessories IP66	GEN 3	303
	Appliance inlets AI range IP66	GEN 3	304
	Combination RCD protected switched socket outlets CO3 range IP66	GEN 3	306
Power factor correction	Contactors MC range	Metasol	142
	Detuning reactors	Altro	142
	Functional plates	Eureka	142
	Capacitors	Circutor	142
	Step controllers	Circutor	142
Power supplies	Meanwell power supplies S range	Meanwell	134
	Meanwell power supplies DR/T & MDR range	Meanwell	134
	Phoenix contact Quint range	Phoenix Contact	189
	Phoenix contact Trio range	Phoenix Contact	189
	Phoenix contact UNO range	Phoenix Contact	189
	DC to DC convertors Quint range	Phoenix Contact	190
	Redundancy modules Quint Oring range	Phoenix Contact	190
Programmable logic controllers	Phoenix Contact compact logic relay system & accessories PLC range	Phoenix Contact	198
	Omron compact PLC CP1L range	Omron	251
Proximity sensors	Inductive proximity sensors E2B range	Omron	244
	Inductive proximity sensors E2E range	Omron	249
	Inductive proximity sensors E2FM range	Omron	250
	Inductive proximity sensors connection cables XS2F & XS3F range	Omron	250
	Photo electric beams and accessories	Eureka	251
Push buttons	Control devices 22mm RMQ Titan range IP66	Eaton	104
	Control devices 22mm ECX range IP65	Comepi	221
	Control devices economy 22mm TN range	Tend	224
	Control devices Monobloc TS2 range	Tend	227
	Control stations Pre-assembled	Tend	227
	Control circuit devices enclosures Plastic	Tend	228
	Control circuit devices enclosures Aluminium	Boxco	228
	Hoist push button switches THS range IP44	Tend	234
Receivers and transmitters	Elsema handsets, receivers & transmitters and accessories	Elsema	347
Relays	Mini relays DILER range	Eaton	99
	Measuring & monitoring relays EMR range	Eaton	110
	Thermistor overload relays EMT range	Eaton	111
	Easy control relays	Eaton	124
	Solid state relays SR range	Eureka	129
	Solid state dimmers SRR range	Eureka	129
	Heat sinks TSSR range	Eureka	129
	Economy Square, flat & round pin relays and bases TLY range	Eureka	129
	Heavy duty relays HF range	Eureka	130
	Phase fail relays RST range	Eureka	130
	Omron relays and bases	Omron	131
	Phoenix Contact Rifline Ultra Slim relay range RIF-0 range	Phoenix Contact	192
	Phoenix Contact Rifline Slim relay range RIF-1 range	Phoenix Contact	192
	Phoenix Contact Rifline relay range & accessories RIF-2, RIF-3 & RIF-4 range	Phoenix Contact	193

Product	Sub product	Brand	Page
Relays (cont.)	Phoenix Contact PLC Ultra slim relays & accessories	Phoenix Contact	197
	Current sensing relays SEN C range	Senva	200
	Liquid pressure sensors PG range	Senva	200
	Pressure sensing relays PDP range	Senva	201
	CO sensors and switching units	Senva	201
	CO2 sensors	Senva	201
	Humidity sensors	Senva	201
	ABC current monitoring secondary switching controllers & control boards FR range	ABC controls	202
	Liquid level controllers	Eureka	240
Roller door products	Roller door controllers and transmitters	Elsema	351
	Vehicle detectors	Elsema	351
	Reversing starters & High speed door controllers and accessories	NAW	354
Safety gate hinges	Safety Gate hinges SPH range IP67	Comepi	234
Safety monitoring relays	Safety monitoring relays G9SAS & G9SE range	Omron	251
	Safety monitoring relays PSR range	Phoenix Contact	252
Selector switches	Control devices RMQ Titan M22 range IP66	Eaton	106
	Comepi ECX range	Comepi	221
	Tend TN range	Tend	225
	Tend Monobloc range	Tend	227
Signal conditioners	Signal conditioners MCR range	Phoenix Contact	186
Sirens	Sirens	Tend	342
	Fire and warning alarms	Eureka	342
Slotted duct	Slotted cable duct CSD range	Eureka	78
	Halogen free slotted cable duct 636 range	Legrand	78
	Slotted cable duct 636 range	Legrand	78
Soft starters	Soft starters S811+ series	Eaton	257
Spiral binding	Spiral Binding black & natural	Eureka	80
Star Delta starters	Star delta starters SDES range	Eaton	100
Surge arrestors	Surge arrestors	Phoenix Contact	175
Switchboard hardware	Switchboard hardware	Eureka	92
Switches	Foot & palm emergency stop switches FAK range IP67	Eaton	104
	Load break switches and accessories	C&S	205
	Compact load break switches	Eureka	205
	Single & double pole rocker switches	Swann	232
	Hoist push button switches	Tend	234
	Foot & palm emergency stop switches SA080 & SA091 range IP65	Comepi	234
	Micro switches TM range	Tend	235
	Compact limit switches TZ range IP67	Tend	235
	Limit switches TZ range IP65	Tend	236
	Safety limit switches TZ range IP65	Tend	236
	Compact micro switches TMV range	Tend	236
	Safety pull wire switches SM5 range IP65	Comepi	240
	Float switches CB range	Eureka	240
	Air switches TVA range	Eureka	240
	Foot switches	Tend	241
	Power pushbutton switches TB range	Tend	241
	Toggle switches TO and T5 range	Eureka	242
	Toggle switches Margirius Heavy duty range CS	Eureka	242

Product	Sub product	Brand	Page
Take off boxes	Take off boxes	Eureka	279
Tape	PVC tape	Eureka	84
	Adhesive foam tape	Eureka	88
Temperature controllers	Temperature controllers	Eureka	344
	Thermo couples	Eureka	344
	Portable simmerstat controllers	Eureka	344
	EVCO digital refrigeration and heating controllers and thermometers	EVCO	345
Temporary supply boards	Temporary supply boards	Eureka	279
Terminals	Terminal strips	Eureka	84
	Terminals Tend premium	Tend	85
	Bi-metal terminals	Ensto	86
	Terminals Eureka economy	Eureka	87
	Porcelain & cassette terminal blocks	Eureka	88
	Terminals UT, ST & PT range and accessories	Phoenix Contact	176
Testing and measuring	Testing and measuring equipment	UNIT-T	276
Thermostats	Thermostats din mounted	Rittal	70
	Hydrostats din mount	Rittal	70
	Thermostats din mounted JWT range	Eureka	77
	Bi-metallic thermostats	Eureka	344
	Portable thermostat controllers	Eureka	344
Time clocks	Time clocks digital and analogue	Eureka	128
	Time clocks digital and analogue TS range	Eaton	128
	Electro mechanical time clocks	Eureka	128
Timing relays	Electronic timing relays XTEE range	Eaton	99
	Multi function timing relays ETR and ETR2 range	Eaton	101
	Timing relays & accessories Economy	Eureka	127
	Multi function timing relays	Eureka	127
	Solid state timers ICM range	Eureka	127
Tools	Cutters, strippers, crimpers	Carroll	332
Transformers	Standard and Multi tapped Transformers	Altro	133
Uninterruptible power supplies	Uninterruptible power supplies DC Quint power buffer modules	Phoenix Contact	191
	Uninterruptible power supplies	Eaton	125
Variable speed drives	Variable speed drives H-Max range	Eaton	256
	Variable speed drives DE1 Range	Eaton	258
	Variable speed drives DG1 Range	Eaton	259
	Variable speed drives DC1 Range	Eaton	261
	Variable speed drives DA1 Range	Eaton	262
	Variable speed drives M-Max range	Eaton	263
	Variable speed drives L & EL range	Delta	264
	Variable speed drives E range	Delta	265
	Variable speed drives C2000-C range	Delta	266
	Variable speed drives S range	Delta	268

Approximate kW to hp Conversions	kW	0.37	0.55	0.75	1	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30	45	75	110	160	200
	hp	0.5	0.75	1	1.5	2	3	5	6.2	7.5	11	14	21	28	35	40	55	80	135	200	275	325
Approximate F.L.C. at 415V		A	1.2	1.6	1.8	2.6	3.5	5	6.2	7.5	11	14	21	28	35	40	55	80	135	200	275	325

Rated motor currents for 3 phase motors at 230V and 400V

The rated motor currents are normally ventilated and internally enclosed fan cooled 3 phase motors at 1500 rpm

DOL starting :

Maximum starting current 6 x rated motor current / maximum starting time : 5 sec











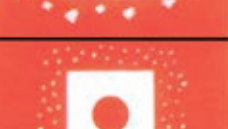



Star / Delta starting :

Maximum starting current 2 x rated motor current / maximum starting time : 15 sec

Set overload in the phase lead to 0.58 x rated motor current

Motor Rating kW	Rated Motor Current A	230V		Rated Motor Current A	400V	
		Starting Direct A	Star / Delta A		Starting Direct A	Star / Delta A
0.06	0.37	2	-	0.21	2	-
0.09	0.54	2	-	0.31	2	-
0.12	0.72	4	2	0.41	2	-
0.18	1.04	4	2	0.6	2	-
0.25	1.4	4	2	0.8	4	2
0.37	2	6	4	1.1	4	2
0.55	2.7	10	4	1.5	4	2
0.75	3.2	10	4	1.9	6	4
1.1	4.6	10	6	2.6	6	4
1.5	6.3	16	10	3.6	6	4
2.2	8.7	20	10	5	10	6
3	11.5	25	16	6.6	16	10
4	14.8	32	16	8.5	20	10
5.5	19.6	32	25	11.3	25	16
7.5	26.4	50	32	15.2	32	16
11	38	80	40	21.7	40	25
15	51	100	63	29.3	63	32
18.5	63	125	80	36	63	40
22	71	125	80	41	80	50
30	96	200	100	55	100	63
37	117	200	125	68	125	80
45	141	250	160	81	160	100
55	173	250	200	99	200	125
75	233	315	250	134	200	160
90	279	400	315	161	250	200
110	342	500	400	196	315	200
132	401	630	500	231	400	250
160	486	630	630	279	400	315
200	607	800	630	349	500	400
250	-	-	-	437	630	500
315	-	-	-	544	800	630
400	-	-	-	683	1000	800
450	-	-	-	769	1000	800

IP Ratings Chart

PROTECTION AGAINST SOLIDS			PROTECTION AGAINST LIQUIDS		
	TEST	PROTECTION		TEST	PROTECTION
X	No test applied	No specific protection.	X	No test applied	No specific protection.
0	No test applied	Inherent degree of protection.	0	No test applied	Inherent degree of protection.
1		Protected against solid objects larger than 50mm (eg. accidental contact with hand).	1		Protected against drops of water falling vertically.
2		Protected against solid objects larger than 12mm (eg. contact with finger).	2		Protected against drops of water falling at up to 15° from the vertical.
3		Protected against solid objects larger than 2.5mm (eg. tools and wires).	3		Protected against spraying water at up to 60° from the vertical.
4		Protected against solid objects larger than 1mm (eg. fine tools and wires).	4		Protected against splashing water from all directions.
5		Protected against quantities of dust that could interfere with satisfactory operation.	5		Protected against jets of water from all directions.
6		Completely protected against dust.	6		Protected against jets of water of similar force to heavy seas.
			7		Protected against the effects of immersion.
			8		Protected against the effects of submersion.



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