MARDAG

Trade Price List
2016

MARDAG

MARDAG Holdings Limited is 100% New Zealand owned and operated and provides innovative solutions for the electrical industry.

The company was established in 1987 when Anton van Rijssel and Marcus van Rijssel merged their electrical contracting companies to form Mardag Holdings Limited and commenced trading as MDH Control Systems.

A few years later, Anton travelled to Germany and met with the Hensel export manager to discuss an exclusive agreement for the New Zealand market. Anton quickly realised the technical advantages of the Hensel product range and how their technical solutions would benefit the New Zealand industry. As a result, an exclusive trading agreement was signed in 1992, which proved to be the first of many agreements with leading global manufacturers.

Today, MARDAG exclusively represents over 20 European manufacturers in New Zealand and is focused on those that specialise in their respective fields. As such, MARDAG is confident in the quality of its product range and ability to provide the industry with cost effective and innovative electrical solutions.

"Our greatest advantage is the direct knowledge and experience of our people. We understand the technical needs of kiwi electricians and we use this to help select and import only the best products. And this also provides an advantage for our customers. Because we understand the day-to-day challenges and requirements of installation and maintenance, we're able to help our customers find solutions that other suppliers may overlook."

HENSEL

Founded in 1931, Hensel represents a company group which is active worldwide and specialises in the manufacture of innovative electrical installation and power distribution systems for facility equipment of buildings. They have an extensive range of leading products, including waterproof and fire rated cable junction boxes, enclosures, distribution boards and switchboards.

OBO BETTERMANN

Sporting more than 30,000 products, OBO Bettermann is one of the largest privately owned manufacturers in Europe and has the largest global product range in overvoltage protection systems. They manufacture to the latest international standards and have their own in-house lighting generator. Check out their extensive range of connection and fastening products and well as cable duct and trunking systems.

TELE

With over 40 years experience, TELE is a leading European producer of timers and sensing and monitoring relays. Having completely automated its manufacturing plants, TELE has created a competitive edge in product quality and lower costs and now supplies many leading companies such as Phoenix, ABB, Rockwell and Schrack.

BLOCK

Block Transformatoren-Elektronik company is the largest manufacturer of line filters, power supplies and transformers in Germany with customers such as Siemens, Schneider, Sew Eurodrive and ABB. Block is the market leader in the area of Harmonic Reduction Filters and DC Power Supplies.

FLEXA

Flexa claim to be the world largest manufacturer of flexible conduit and accessories and with a quality standard second to none. With their product range they have secured some of the largest projects in the world. Flexa has products that are suitable for temperatures between -60°C up to + 230°C, classified up to IP 69K, resistant to solvents, liquid-tight, or with a silicone cover. No matter which protective conduit system you require, Flexa will certainly have a solution.

CONTA-CLIP

Conta-Clip is a German manufacturer of Terminals, Relays, Electronic Components and Marking Systems. Their terminals are of superior quality and have an excellent price structure. We carry a huge 1,500 different terminal parts in stock here in New Zealand. We supply made to order terminal, device and cable markers at the most competitive rates in New Zealand.

SENECA SPA

Signal Converters, Barriers & Displays - Seneca is the leading Italian manufacturer of Signal Conditioning and Modbus I/O products. Their innovative approach gives elegant solutions to all process interfacing and data acquisition challenges. Seneca has built a reputation of offering accurate and easy to use products.

VEMER SPA

Italy's largest producer of innovative Temperature, Measurement & Control Products. Vemer also has a very large range of Energy Meters, Network Analysers, Voltage/Current/Frequency Digital Display Meters, Time Switches, Current Transformers, Thermostats, Pressure, Temperature & Refrigeration Controllers and now a complete range of Insulators.

COMATEC SNC

Comatec produce Energy Conversion Systems and is the world's leading manufacturer of DIN format DC Power Supplies. Comatec is founded in 1988 and produces transformers and power supplies for Din-rail mounting as well as the international patented miniature power supplies "OTTO" and "ORBIT" for mounting in trunking and flush boxes. Comatec also has a unique range of power supplies for DIN rail mounting with integrated battery and uninterruptible DC power supplies named MODUSV. All their products are manufactured in Italy.

WALTHER-WERKE

Plugs, Sockets and Accessories - Walther-Werke is Germany's largest manufacturer of both Heavy Duty Multipole Connectors called PROCON and the IEC type Plug and Socket System called CEEtyp. Special stage and entertainment versions of the Procon Heavy Duty Multipole Connectors including steel levers are available from stock. Also available are container plugs and sockets. We carry one of New Zealand's largest range of Mulitpole Connectors in stock. Walther are the only plug and socket manufacturer that still manufactures all their products in Germany.

SPS

Flexible and Rigid Busbar Systems for switchgear construction. Their main product groups are the Isoflexx laminated busbars and the very popular Ultraflexx braided flex type busbars with patented press-welded solid ends.

WISKA

Glands, Enclosures, EX products, Marine Lighting, Marine Electrical and Marine CCTV Systems - Wiska is another German manufacturer we represent with an interesting product range in Glands, EX Glands and Enclosures as well as a complete set of Marine Lighting, Electrical and CCTV Systems. Innovative new products include such items as their submersible cable junction boxes (15 meters for 170 hours) and a nickel plated brass spiral gland.

WERIT

Innovative Plastic Solutions - Werit is a large manufacturer of plastic products which also has an electrical division. They are however better know internationally by their storage and transport containers.

ZOLLER + FRÖHLICH

Bootlace Ferrules – the company Zoller & Froehlich (Z+F) is the world's largest manufacturer of Bootlace Ferrules. Even though our bootlace ferrules are manufactured in Germany they are still more cost effective than the other lower quality products sold here in New Zealand. This is partially due to the worldwide patent held by Z+F on the double ferrule for which they still charge royalties. The quality is superior which you can see at a glance.

GROTHE

Grothe was established in 1892 and manufactures signalling products for domestic, commercial and industrial installations. Their wide-ranging assortment of products include chimes, push buttons, safety transformers, bell transformers and signalization products for industry, public buildings, schools and much more.

JOKARI KRAMPE GMBH

Jokari is a world leader in the manufacture of Wire & Cable-Stripping products. With more than 35 years experience they specialize in the production of tools of highest quality. Jokari has the perfect stripping tool for all different types of cables. Tools that are easy to use and work well.

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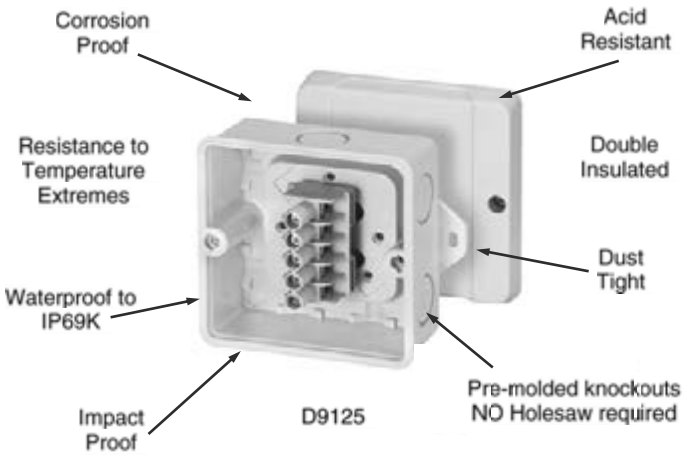
CABLE JUNCTION BOXES & ENCLOSURES

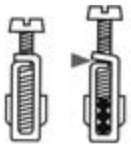
HENSEL

TECHNICAL INFORMATION



SAFE TERMINAL TECHNOLOGY

Terminal BRAKE - Hensel have included an anti self loosing system in their terminals where the two threaded halves of the clamp body pull themselves apart slightly achieving a braking effect on the screw.



HOOK system - Hensel have slotted the terminals which "hooks" the cable for additional clamping strength.

IP54 ENCLOSURES WITH MEMBRANE ENTRY

DE9320

DE9320	Cable Junction Box Empty (88x88x47mm)	$7.49
DE9340	Cable Junction Box Empty (98x98x52mm)	$10.64

IP54 CABLE JUNCTION BOXES WITH MEMBRANE ENTRY

DE9345

DE9325	Cable Junction Box & 5 Pole 4x2.5mm² Terminals (88x88x47mm)	$11.85
DE9345	Cable Junction Box & 5 Pole 4x4mm² Terminals (98x98x52mm)	$14.60

IP65 ENCLOSURES

K9060

K9250

D9020	Cable Junction Box Empty (88x88x53mm)	$11.21
D9120	Cable Junction Box Empty (88x88x53mm) With Mounting Tags	$11.21
D9140	Cable Junction Box Empty (98x98x58mm)	$14.72
D9040	Cable Junction Box Empty (98x98x61mm)	$14.72
K9060	Cable Junction Box Empty (139x119x70mm)	$25.30
K9100	Cable Junction Box Empty (167x125x82mm)	$27.86
K9250	Cable Junction Box Empty (200x160x98mm)	$50.59
K9350	Cable Junction Box Empty (260x210x117mm)	$76.16
K9500	Cable Junction Box Empty (310x210x117mm)	$127.83

CABLE JUNCTION BOXES & ENCLOSURES

IP65 CABLE JUNCTION BOXES

K9502

D9025	Cable Junction Box & 5 pole 4x2.5mm² Terminals (88x88x53mm)	$15.05
D9125	Cable Junction Box & 5 pole 4x2.5mm² Terminals With Mounting Tags	$15.05
D9045	Cable Junction Box & 5 pole 4x4mm² Terminals (98x98x61mm)	$18.58
K9065	Cable Junction Box & 5 pole 4x6mm² Terminals (139x119x70mm)	$34.26
K9105	Cable Junction Box & 5 pole 4x10mm² Terminals (167x125x82mm)	$42.90
K9255	Cable Junction Box & 5 pole 4x16/25mm² Terminals (200x160x98mm)	$77.80
K9502	Cable Junction Box & 5 pole 4x16/25mm² Terminals (310x210x117mm)	$193.41
K9504	Cable Junction Box & 4 pole 4x25/35/50mm² Terminals (310x210x117mm)	$220.31
K9505	Cable Junction Box & 5 pole 4x25/35/50mm² Terminals (310x210x117mm)	$262.58

Larger Cable Junction Boxes are available - for options please contact us

ENCLOSURE AND CABLE JUNCTION BOX ACCESSORIES

TSK 25

DK AL 2

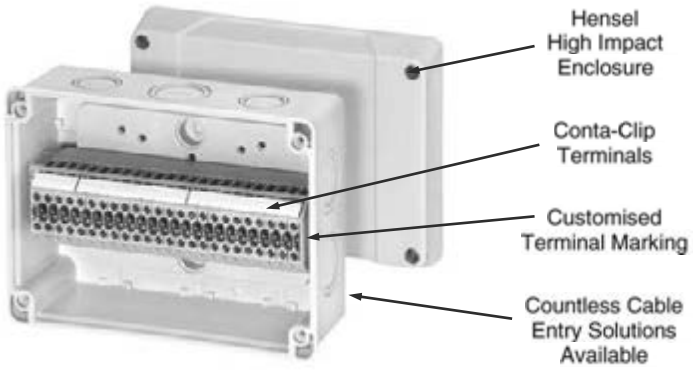
DKL-04

KLS-25

TSD02	TS15 (mini) DIN Rail 57mm long - including mounting screws	$1.10
TSD04	TS15 (mini) DIN Rail 82mm long - including mounting screws	$1.22
TSK06	TS35 DIN Rail 105mm long - including mounting screws	$1.47
TSK10	TS35 DIN Rail 153mm long - including mounting screws	$1.73
TSK25	TS35 DIN Rail 178mm long - including mounting screws	$1.92
TSK50	TS35 DIN Rail 290mm long - including mounting screws	$2.17
DK-AL-2	Set of two brackets for exterior wall fixing of cable junction boxes	$28.18
DKL-04	34 Amp 5 Pole Terminal	$4.93
DKL-06	44 Amp 5 Pole Terminal	$11.09
KLS-10	Set of five x 63 Amp Double Pole Terminals	$37.78
KLS-10/1	63 Amp Double Pole Terminal - single terminal only	$7.55
KLS-25	Set of five x 102 Amp Double Pole Terminals	$64.68
KLS-25/1	102 Amp Double Pole Terminal	$12.93
KLS-54	Set of four x 170 Amp Four Pole Terminals	$355.32
KLS-54/1	170 Amp Four Pole Terminal	$88.82
KLS-55	Set of four x 170 Amp Four Pole Terminals & one x 89 Amp Four Pole Earth	$380.42

CABLE JUNCTION BOX - SPECIAL SOLUTIONS

TECHNICAL INFORMATION



SPECIALISED JUNCTION BOX SOLUTIONS
Along with all the advantages of the Hensel DK and KF (High UV) Systems we are able to offer customised solutions using high quality Conta-Clip Terminals.
We offer a cost effective and high quality solution according to your specific requirements using these two world leading brands.

CABLE JUNCTION BOXES WITH TERMINALS

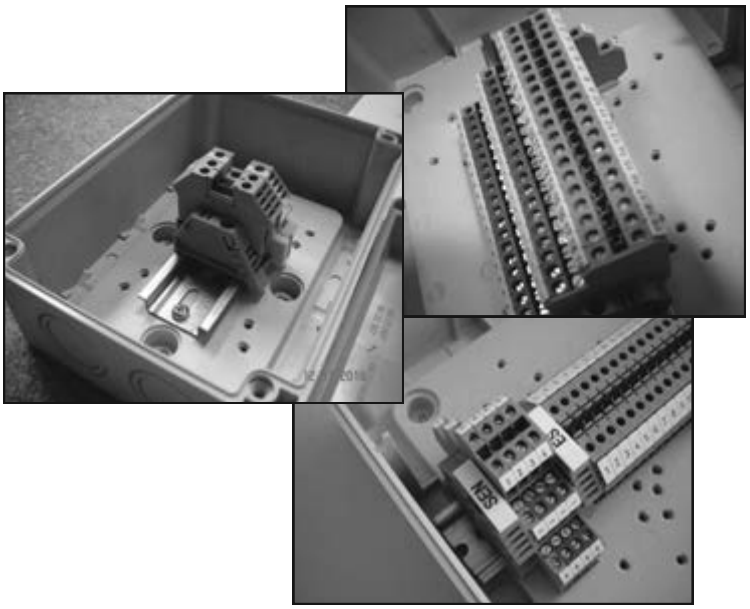
RD9041

RK9109

RD9123	Cable Junction Box with 3 x Conta-Clip BKA2.5 Terminals - terminal size 2.5mm²	$19.58
RD9125	Cable Junction Box with 5 x Conta-Clip BKA2.5 Terminals - terminal size 2.5mm²	$22.54
RD9127	Cable Junction Box with 7 x Conta-Clip BKA2.5 Terminals - terminal size 2.5mm²	$25.50
RD9045	Cable Junction Box with 5 x Conta-Clip BKA4 Terminals - terminal size 4mm²	$27.28
RD9041	Cable Junction Box with 10 x Conta-Clip BKA4 Terminals - terminal size 4mm²	$36.10
RK9062	Cable Junction Box with 12 x Conta-Clip RK2.5-4 Terminals - terminal size 4mm²	$52.63
RK9064	Cable Junction Box with 14 x Conta-Clip RK2.5-4 Terminals - terminal size 4mm²	$56.51
RK9109	Cable Junction Box with 19 x Conta-Clip RK2.5-4 Terminals - terminal size 4mm²	$68.64
RK9104	Cable Junction Box with 24 x Conta-Clip RK2.5-4 Terminals - terminal size 4mm²	$78.34

Please allow for assembly time when ordering these products

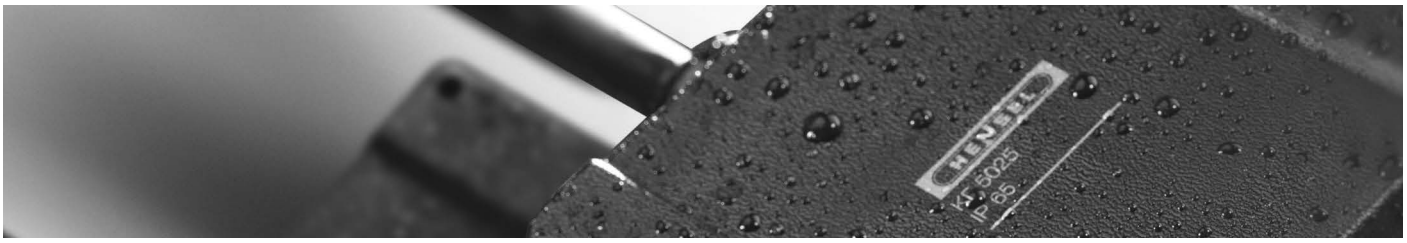
CUSTOMISED CABLE JUNCTION BOX SOLUTIONS



The Hensel products listed above are a small sample of what is able to be assembled.
We are able to offer a fully customized solution based on your project needs.
Please contact us for all your Cable Junction Box requirements.

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: H01

WEATHER-PROOF UV STABLE ENCLOSURES



TECHNICAL INFORMATION

HIGHEST UV STABILITY POSSIBLE

IP66 WEATHER PROOF UV STABLE ENCLOSURES - GREY

KF9060

KF9020	Halogen Free Cable Junction Box Empty (88x88x53mm) - grey	$17.94
KF9040	Halogen Free Cable Junction Box Empty (98x98x61mm) - grey	$23.56
KF9060	Halogen Free Cable Junction Box Empty (139x119x70mm) - grey	$38.30
KF9100	Halogen Free Cable Junction Box Empty (167x125x82mm) - grey	$41.62
KF9250	Halogen Free Cable Junction Box Empty (200x160x98mm) - grey	$61.48
KF9500	Halogen Free Cable Junction Box Empty (310x210x117mm) - grey	$151.14

IP66 WEATHER PROOF UV STABLE ENCLOSURES - BLACK

KF5500

KF5020	Halogen Free Cable Junction Box Empty (88x88x53mm) - black	$17.94
KF5040	Halogen Free Cable Junction Box Empty (98x98x61mm) - black	$23.56
KF5060	Halogen Free Cable Junction Box Empty (139x119x70mm) - black	$38.30
KF5100	Halogen Free Cable Junction Box Empty (167x125x82mm) - black	$41.62
KF5250	Halogen Free Cable Junction Box Empty (200x160x98mm) - black	$61.48
KF5500	Halogen Free Cable Junction Box Empty (310x210x117mm) - black	$151.14

IP66 WEATHER PROOF UV STABLE ENCLOSURES - BLACK - PLAIN SIDES

KF4350

KF4060	Halogen Free Cable Junction Box Empty (139x119x70mm) - black	$38.30
KF4100	Halogen Free Cable Junction Box Empty (167x125x82) - black	$41.62
KF4250	Halogen Free Cable Junction Box Empty (200x160x98mm) - black	$61.48
KF4350	Halogen Free Cable Junction Box Empty (260x210x117mm) - black	$106.32
KF4500	Halogen Free Cable Junction Box Empty (310x210x117mm) - black	$151.14

WEATHER-PROOF UV STABLE ENCLOSURES

IP66 WEATHER PROOF UV STABLE CABLE JUNCTION BOX - GREY

KF9025

KF9025	Halogen Free Cable Junction Box & 5 pole 4x2.5mm² Terminals - grey	$21.59
KF9045	Halogen Free Cable Junction Box & 5 pole 4x4mm² Terminals - grey	$27.22
KF9065	Halogen Free Cable Junction Box & 5 pole 4x6mm² Terminals - grey	$47.27
KF9105	Halogen Free Cable Junction Box & 5 pole 4x10mm² Terminals - grey	$52.78
KF9255	Halogen Free Cable Junction Box & 5 pole 4x16/25mm² Terminals - grey	$93.37
KF9505	Halogen Free Cable Junction Box & 5 pole 4x25/35/50mm² Terminals - grey	$295.89

IP66 WEATHER PROOF UV STABLE CABLE JUNCTION BOX - BLACK

KF5255

KF5025	Halogen Free Cable Junction Box & 5 pole 4x2.5mm² Terminals - black	$21.59
KF5045	Halogen Free Cable Junction Box & 5 pole 4x4mm² Terminals - black	$27.22
KF5065	Halogen Free Cable Junction Box & 5 pole 4x6mm² Terminals - black	$47.27
KF5105	Halogen Free Cable Junction Box & 5 pole 4x10mm² Terminals - black	$52.78
KF5255	Halogen Free Cable Junction Box & 5 pole 4x16/25mm² Terminals - black	$93.37
KF5505	Halogen Free Cable Junction Box & 5 pole 4x25/35/50mm² Terminals - black	$295.89

CABLE ENTRY

IP55 CABLE ENTRY

ESM16

STM20

ESM16	Press-in Gland, M16	$0.45
ESM20	Press-in Gland, M20	$0.47
ESM25	Press-in Gland, M25	$0.51
ESM32	Press-in Gland, M32	$0.84
ESM40	Press-in Gland, M40	$2.07
STM20	Press-in Stepped Gland, M20	$0.47
STM25	Press-in Stepped Gland, M25	$0.51
STM32	Press-in Stepped Gland, M32	$0.84
STM40	Press-in Stepped Gland, M40	$2.07

IP65 CABLE ENTRY

EDK32

EDR32

EDK16	Press-in Gland, M16	$0.74
EDK20	Press-in Gland, M20	$0.86
EDK25	Press-in Gland, M25	$1.47
EDK32	Press-in Gland, M32	$2.24
EDK40	Press-in Gland, M40	$4.46
EDR16	Press-in Conduit Adaptor, M16	$0.74
EDR20	Press-in Conduit Adaptor, M20	$0.86
EDR25	Press-in Conduit Adaptor, M25	$1.47
EDR32	Press-in Conduit Adaptor, M32	$2.24
EDR40	Press-in Conduit Adaptor, M40	$4.46

CONNECTION GLANDS

EVS-16

EVS-16	Connection Gland IP54 - Suitable for Joining two KV Switchboards Together	$1.54
AVS-16	Connection Gland IP65 - Suitable for Joining two KV Switchboards Together	$7.67

FIRE RATED CABLE JUNCTION BOXES

TECHNICAL INFORMATION

TESTED FOR FUNCTION IN THE EVENT OF A FIRE

For essential circuits, which must remain operational for a sufficient time during exposure to fire in accordance with the international regulations and standards governing fire protection requirements for cable installations

- Degree of protection: IP65
- Material: high-grade duroplastic or powder-coated sheet steel, colour : orange, RAL 2003, halogen free
- Connecting terminal made of ceramic with resistance to high temperatures

IP65 FIRE RATED CABLE JUNCTION BOXES

FK9025

EDKF32

FK7045	Fire Rated 5 Pole Cable Junction Box - 0.5mm² to 4mm² - Orange Duroplastic	$215.83
FK7105	Fire Rated 5 Pole Cable Junction Box - 1.5mm² to 10mm² - Orange Duroplastic	$268.89
FK7165	Fire Rated 5 Pole Cable Junction Box - 1.5mm² to 16mm² - Orange Duroplatsic	$342.14
FK9025	Fire Rated 5 Pole Cable Junction Box - 0.5mm² to 4mm² - Orange Steel	$274.10
FK9105	Fire Rated 5 Pole Cable Junction Box - 1.5mm² to 10mm² - Orange Steel	$331.75
FK9255	Fire Rated 5 Pole Cable Junction Box - 1.5mm² to 16mm² - Orange Steel	$434.21
FK9259	Fire Rated 5 Pole Cable Junction Box - 1.5mm² to 16mm² with Fuse - Orange Steel	$716.07
EDKF32	Fire Rated Cable Entry Glands - Orange - M32	$6.15
EDKF40	Fire Rated Cable Entry Glands - Orange - M40	$12.29

Ask for our new Hensel Fire Resistance in Electrical Installations Guidelines for Design brochure

WATERPROOF ENCLOSURE WITH HINGED COVER

TECHNICAL INFORMATION

KG9002IN

KG WATERPROOF ENCLOSURE RANGE

This very versatile and cost effective enclosure range has many advantages. The KG range has a high impact base and cover, pre-moulded knockouts and can be used with a separately supplied gear plate. The cover is removable and along with the low side walls access to equipment and wiring is easy.

The KG product range can also be supplied as a complete distribution board with protection cover, mounting rail, earth/neutral bars and legend kit.

WATERPROOF ENCLOSURE WITH HINGED LID

KG9001

KG9003

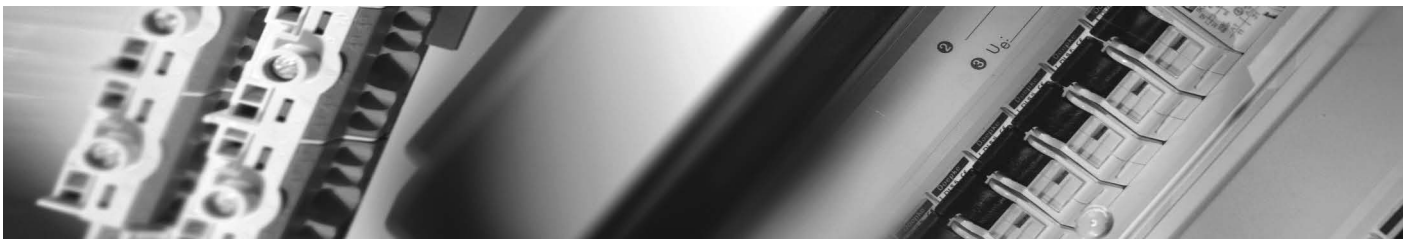
KGMP03

KGTS03

KG9001	Waterproof Empty Enclosure with Hinged Lid (253x136x115mm) - IP65	$48.67
KG9002	Waterproof Empty Enclosure with Hinged Lid (253x168x115mm) - IP65	$54.43
KG9003	Waterproof Empty Enclosure with Hinged Lid (253x217x115mm) - IP65	$61.48
KG9001IN	Waterproof Empty Enclosure with Grey Hinged Lid (253x136x115mm) - IP65	$48.67
KG9002IN	Waterproof Empty Enclosure with Grey Hinged Lid (253x168x115mm) - IP65	$54.43
KG9003IN	Waterproof Empty Enclosure with Grey Hinged Lid (253x217x115mm) - IP65	$61.48
KG901C	4.5 Way Distribution Board including Earth & Neutral Bars - IP65	$67.89
KG902C	6 Way Distribution Board including Earth & Neutral Bars - IP65	$76.79
KG903C	9 Way Distribution Board including Earth & Neutral Bars - IP65	$87.80
KGMP01	Mounting Plate for KG9001	$3.20
KGMP02	Mounting Plate for KG9002	$3.78
KGMP03	Mounting Plate for KG9003	$4.61
KGTS01	Din Rail for KG9001	$2.81
KGTS02	Din Rail for KG9002	$3.78
KGTS03	Din Rail for KG9003	$4.03
KGPC01	Protection Cover for KG9001	$13.83
KGPC02	Protection Cover for KG9002	$16.58
KGPC03	Protection Cover for KG9003	$18.96
AVS-16	Connection Gland - IP65	$7.67
EVS-16	Connection Gland - IP54	$1.54

The most Cost-Effective hinged lid enclosure available - for larger options check our Hensel Mi range

WATERPROOF DISTRIBUTION BOARDS



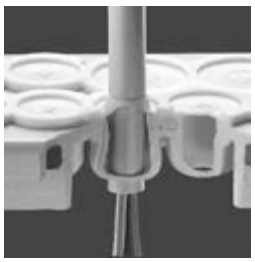
TECHNICAL INFORMATION

KV9354

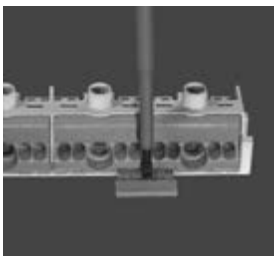
Multiple enclosure fixing points - can be fixed to pillars

More space for wiring, convenient access to the wiring due to low walls

Perfect installation solution for cable trunking



IP65 Cable entry with elastic membrane glands



Neutral separable for various potentials via plug-in jumper

Editable circuit identification template at www.hensel-electric.de

IP65 DISTRIBUTION BOARDS WITH ELASTIC MEMBRANE GLANDS & E/N BARS

KV9103

KV9112

KV9354

KV9103	3 Way Distribution Board including Earth & Neutral Bars	$66.61
KV9104	4.5 Way Distribution Board including Earth & Neutral Bars	$74.29
KV9106	6 Way Distribution Board including Earth & Neutral Bars	$83.39
KV9109	9 Way Distribution Board including Earth & Neutral Bars	$94.64
KV9112	12 Way, 1 Row Distribution Board including Earth & Neutral Bars	$147.31
KV9118	18 Way, 1 Row Distribution Board including Earth & Neutral Bars	$204.93
KV9224	24 Way, 2 Row Distribution Board including Earth & Neutral Bars	$217.75
KV9236	36 Way, 2 Row Distribution Board including Earth & Neutral Bars	$276.67
KV9336	36 Way, 3 Row Distribution Board including Earth & Neutral Bars	$288.20
KV9448	48 Way, 4 Row Distribution Board including Earth & Neutral Bars	$397.07
KV9354	54 Way, 3 Row Distribution Board including Earth & Neutral Bars	$454.71

WATERPROOF DISTRIBUTION BOARDS

HENSEL

IP65 DISTRIBUTION BOARDS WITH ELASTIC MEMBRANE GLANDS WITHOUT E/N BARS

KV8106

KV8118

KV8448

KV8103	3 Way MCB Enclosure without Earth & Neutral Bars	$49.96
KV8104	4.5 Way MCB Enclosures without Earth & Neutral Bars	$57.64
KV8106	6 Way MCB Enclosures without Earth & Neutral Bars	$69.17
KV8109	9 Way MCB Enclosures without Earth & Neutral Bars	$76.86
KV8112	12 Way, 1 Row MCB Enclosure without Earth & Neutral Bars	$120.40
KV8118	18 Way, 1 Row MCB Enclosure without Earth & Neutral Bars	$169.08
KV8224	24 Way, 2 Row MCB Enclosure without Earth & Neutral Bars	$185.74
KV8236	36 Way, 2 Row MCB Enclosure without Earth & Neutral Bars	$234.40
KV8336	36 Way, 2 Row MCB Enclosure without Earth & Neutral Bars	$240.80
KV8448	48 Way, 4 Row MCB Enclosure without Earth & Neutral Bars	$352.24
KV8354	54 Way, 3 Row MCB Enclosure without Earth & Neutral Bars	$380.42

IP65 DISTRIBUTION BOARDS WITH METRIC PRE-MOULDED KNOCK-OUTS WITH E/N BARS

KV7104

KV9224M

KV7103	3 Way Distribution Board including Earth & Neutral Bars	$66.61
KV7104	4.5 Way Distribution Board including Earth & Neutral Bars	$74.29
KV7106	6 Way Distribution Board including Earth & Neutral Bars	$83.39
KV7109	9 Way Distribution Board including Earth & Neutral Bars	$94.64
KV9112M	12 Way, 1 Row Distribution Board including Earth & Neutral Bars	$147.31
KV9118M	18 Way, 1 Row Distribution Board including Earth & Neutral Bars	$204.93
KV9224M	24 Way, 2 Row Distribution Board including Earth & Neutral Bars	$217.75
KV9236M	36 Way, 2 Row Distribution Board including Earth & Neutral Bars	$276.67
KV9336M	36 Way, 3 Row Distribution Board including Earth & Neutral Bars	$288.20
KV9448M	48 Way, 4 Row Distribution Board including Earth & Neutral Bars	$397.07
KV9354M	54 Way, 3 Row Distribution Board including Earth & Neutral Bars	$454.71

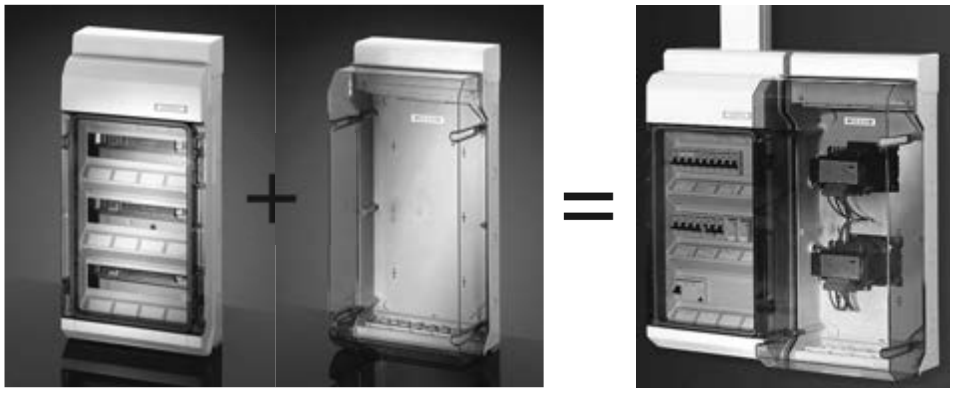
IP65 DISTRIBUTION BOARDS WITH METRIC PRE-MOULDED KNOCK-OUTS WITHOUT E/N BARS

KV8112M

KV8224M

KV6103	3 Way MCB Enclosure without Earth & Neutral Bars	$49.96
KV6104	4.5 Way MCB Enclosures without Earth & Neutral Bars	$57.64
KV6106	6 Way MCB Enclosures without Earth & Neutral Bars	$69.17
KV6109	9 Way MCB Enclosures without Earth & Neutral Bars	$76.86
KV8112M	12 Way, 1 Row MCB Enclosure without Earth & Neutral Bars	$120.40
KV8118M	18 Way, 1 Row MCB Enclosure without Earth & Neutral Bars	$169.08
KV8224M	24 Way, 2 Row MCB Enclosure without Earth & Neutral Bars	$185.74
KV8236M	36 Way, 2 Row MCB Enclosure without Earth & Neutral Bars	$234.40
KV8336M	36 Way, 3 Row MCB Enclosure without Earth & Neutral Bars	$240.80
KV8448M	48 Way, 4 Row MCB Enclosure without Earth & Neutral Bars	$352.24
KV8354M	54 Way, 3 Row MCB Enclosure without Earth & Neutral Bars	$380.42

WATERPROOF DISTRIBUTION BOARDS



COMPLETE SWITCHBOARD SOLUTION

Simply join your KV Distribution Board to the KV9331 Enclosure for a complete Switchboard solution.

The KV9331 comes complete with gear tray and can be joined using the AVS-16 Connection Gland for IP65 protection.

IP65 WATERPROOF ENCLOSURE

KV9331	Waterproof Empty Enclosure (583x295x182mm) with Elastic Membrane Glands	$394.67
KV9331M	Waterproof Empty Enclosure (583x295x182mm) with Metric Knock-out Entries	$394.67

KV DISTRIBUTION BOARD EARTH AND NEUTRAL BARS

KVFC18

KV FC24

KVFC03	Fixconnect Earth and Neutral Bar set suitable for KV9103 to KV6103	$9.77
KVFC04	Fixconnect Earth and Neutral Bar set suitable for KV9104 to KV6104	$12.09
KVFC06	Fixconnect Earth and Neutral Bar set suitable for KV9106 to KV6106	$14.01
KVFC09	Fixconnect Earth and Neutral Bar set suitable for KV9109 to KV6109	$15.69
KVFC12	Fixconnect Earth and Neutral Bars for KV9112/M, KV8112M, KV9220/M	$52.53
KVFC18	Fixconnect Earth and Neutral Bars for KV9118/M, KV8118/M, KV9230/M	$70.15
KVFC24	Fixconnect for KV9224/M, KV9330/M, KV9440/M, KV9336/M, KV9448/M	$111.38
KVFC36	Fixconnect for KV9236/M, KV9354/M, KV9350/M	$143.34

KV DISTRIBUTION BOARD ACCESSORIES

AVS-16

KVEB09

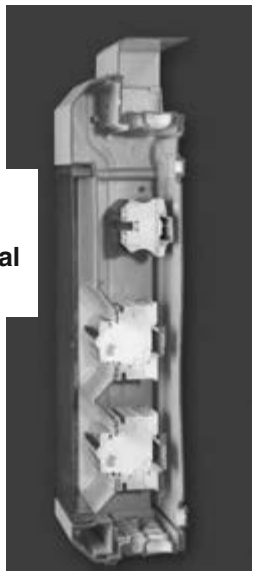
KVES02

AVS-16	Connection Gland IP65	$7.67
EVS-16	Connection Gland IP54	$1.54
KVES1	Lock set for KV Boards 12 - 54 Way	$35.87
KVES3	Lock set for KV Boards 3 - 9 Way	$35.87
KVES2	Spare keys for KV ES 01 & KV ES 03	$21.25
AS-12	Cover Strip - 12 Way	$6.92
AS-18	Cover Strip - 18 Way	$9.73
KVEB12	Cable Entry Cover for 12 Way KV Switchboards	$15.12
KVEB18	Cable Entry Cover for 18 Way KV Switchboards	$22.41
KVEB03	Cable Entry Cover for 3 Way KV Switchboards	$3.78
KVEB04	Cable Entry Cover for 4 Way KV Switchboards	$4.29
KVEB06	Cable Entry Cover for 6 Way KV Switchboards	$5.18
KVEB09	Cable Entry Cover for 9 Way KV Switchboards	$6.02

WATERPROOF "EXTRA" DISTRIBUTION BOARDS

TECHNICAL INFORMATION

KV EXTRA
With additional space for electrical devices



WATERPROOF "EXTRA" DISTRIBUTION BOARDS

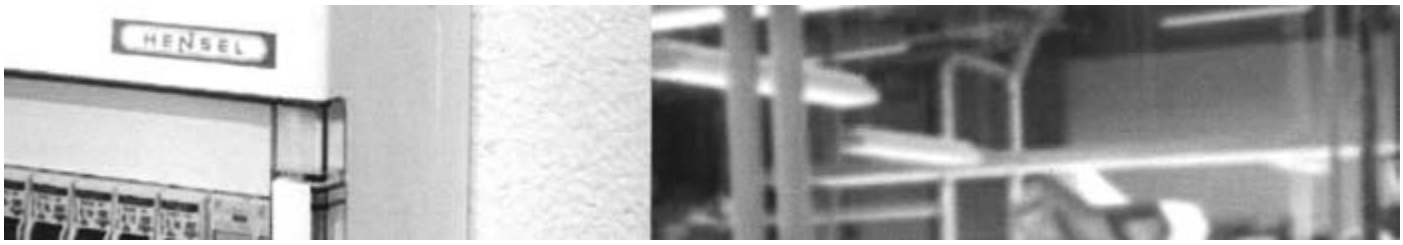
KV9220

KV9440

KV9220	12 Way, 2 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$185.74
KV9230	18 Way, 2 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$240.80
KV9330	24 Way, 3 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$248.49
KV9440	36 Way, 4 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$348.39
KV9350	36 Way, 3 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$398.36
KV9220M	12 Way, 2 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$185.74
KV9230M	18 Way, 2 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$240.80
KV9330M	24 Way, 3 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$248.49
KV9440M	36 Way, 4 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$348.39
KV9350M	36 Way, 3 Row MCB Enclosure without Earth & Neutral Bars - with EXTRA space	$398.36

KV Distribution Boards have IP65 Integrated Cable Glands - Boards with "..M" have Metric Knock-Outs

SURFACE MOUNTED DISTRIBUTION BOARDS



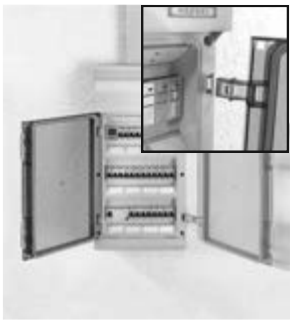
TECHNICAL INFORMATION

12 to 36 modules
blanking strips provided

Large area for labelling and a lot of space to operate the equipment installed

Cable & conduit entry via metric knockouts

Plenty of wiring space due to lower side walls giving easy access to built-in equipment



Door hinging easy and fast to interchange from left to right

FIXCONNECT® terminal technology for Earth and Neutral Bars

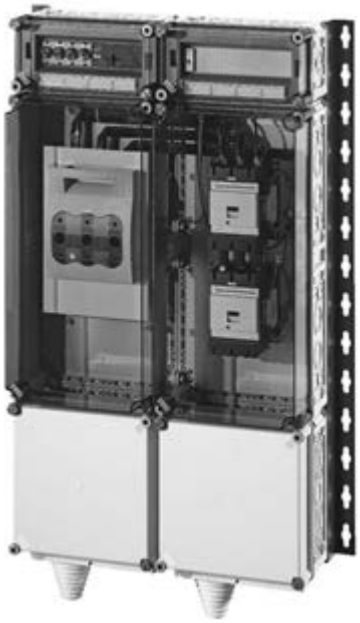
IP40 SURFACE MOUNTED DISTRIBUTION BOARD

KV1224

KV1212	Surface Mounted Distribution Board (IP40) complete with E/N Bars - 12 way	$83.08
KV1224	Surface Mounted Distribution Board (IP40) complete with E/N Bars - 24 way	$132.93
KV1236	Surface Mounted Distribution Board (IP40) complete with E/N Bars - 36 way	$175.03
KV0212	Surface Mounted Distribution Board (IP40) without E/N Bars - 12 way	$42.27
KV0224	Surface Mounted Distribution Board (IP40) without E/N Bars - 24 way	$60.93
KV0236	Surface Mounted Distribution Board (IP40) without E/N Bars - 36 way	$107.87
KVFC16	Earth and Neutral Bar for KV Range above	$28.17

ENYSUN - SOLAR POWER SOLUTIONS

TECHNICAL INFORMATION



SOLAR SOLUTIONS FROM HENSEL
Hensel's Enysun product solutions provide a number of advantages when installing photo voltaic systems. The distributors are prefabricated making them quick and easy to connect. The PV generator junction boxes and PV Solar inverter collectors are equipped with busbars, surge protection devices and terminal, so that all you have to do is connect them on site. This saves you both time and costs in your installation. The total solution is highly UV Stabile.

ENYSUN PRODUCT RANGE

Junction Boxes

KF PV 0100

KF PV 0700

Isolator Enclosure

KV PV 2411

Solar inverter Collector solutions

Mi PV 6544

Battery Distributors

Mi PV 3302

Ask for a copy of our complete ENYSUN catalogue

Mi SWITCHBOARD SYSTEM

TECHNICAL INFORMATION

WATERPROOF INDUSTRIAL SWITCHBOARDS

The Mi Industrial Switchboard System is an easy to construct, versatile complete Control and Distribution Board product. Individual Mi enclosures can be joined like building blocks using the MiWD2 Joining Kit. This can be achieved very quickly and easily. When joining Mi enclosures the IP65 waterproof and dust-tight rating is completely maintained. Many different accessories and specialised parts mean that many different applications can be well catered for. The entire system is highly **UV stabile**.

JOINING Mi COMPONENTS

Individual Mi Components can be joined quickly using the MiWD2 Joining Kit. This can be achieved very quickly and easily.

The Mi Series IP65 Waterproof and Dust-tight rating is completely maintained.

IP65 ENCLOSURES WITH TRANSPARENT LID

Mi0200

Mi0310

Mi0100	Enclosure with transparent lid - 150 x 300 x 170 mm	$121.01
Mi0200	Enclosure with transparent lid - 300 x 300 x 170 mm	$170.88
Mi0210	Enclosure with transparent lid - 300 x 300 x 214 mm	$184.87
Mi0300	Enclosure with transparent lid - 450 x 300 x 170 mm	$224.83
Mi0310	Enclosure with transparent lid - 450 x 300 x 214 mm	$244.25
Mi0400	Enclosure with transparent lid - 600 x 300 x 170 mm	$296.65
Mi0410	Enclosure with transparent lid - 600 x 300 x 214 mm	$322.13
Mi0600	Enclosure with transparent lid - 600 x 450 x 170 mm	$467.47
Mi0800	Enclosure with transparent lid - 600 x 600 x 170 mm	$638.27

IP65 ENCLOSURES WITH GREY LID

Mi0101

Mi0211

Mi0101	Enclosure with grey lid - 150 x 300 x 170 mm	$121.01
Mi0201	Enclosure with grey lid - 300 x 300 x 170 mm	$170.88
Mi0211	Enclosure with grey lid - 300 x 300 x 214 mm	$184.87
Mi0301	Enclosure with grey lid - 450 x 300 x 170 mm	$224.83
Mi0311	Enclosure with grey lid - 450 x 300 x 214 mm	$244.25
Mi0401	Enclosure with grey lid - 600 x 300 x 170 mm	$296.65
Mi0411	Enclosure with grey lid - 600 x 300 x 214 mm	$322.13
Mi0601	Enclosure with grey lid - 600 x 450 x 170 mm	$467.47
Mi0801	Enclosure with grey lid - 600 x 600 x 170 mm	$638.27

IP65 ENCLOSURES WITH INTEGRATED HINGED LID

Mi0221

Mi0220	Enclosure with **transparent** hinged lid - 300 x 300 x 182 mm	$194.65
Mi0221	Enclosure with **grey** hinged lid - 300 x 300 x 182 mm	$194.65

IP65 ENCLOSURES WITH FITTED EXTERNAL HINGE - TRANSPARENT LID

Mi9400

Mi9100	Enclosure with transparent lid - 150 x 300 x 170 mm with external hinge	$172.36
Mi9200	Enclosure with transparent lid - 300 x 300 x 170 mm with external hinge	$223.23
Mi9210	Enclosure with transparent lid - 300 x 300 x 214 mm with external hinge	$237.21
Mi9300	Enclosure with transparent lid - 450 x 300 x 170 mm with external hinge	$277.18
Mi9310	Enclosure with transparent lid - 450 x 300 x 214 mm with external hinge	$296.59
Mi9400	Enclosure with transparent lid - 600 x 300 x 170 mm with external hinge	$348.99
Mi9410	Enclosure with transparent lid - 600 x 300 x 214 mm with external hinge	$374.47

IP65 ENCLOSURES WITH FITTED EXTERNAL HINGE - GREY LID

Mi9401

Mi9101	Enclosure with grey lid - 150 x 300 x 170 mm with external hinge	$172.36
Mi9201	Enclosure with grey lid - 300 x 300 x 170 mm with external hinge	$223.23
Mi9211	Enclosure with grey lid - 300 x 300 x 214 mm with external hinge	$237.21
Mi0301	Enclosure with grey lid - 450 x 300 x 170 mm with external hinge	$277.18
Mi9311	Enclosure with grey lid - 450 x 300 x 214 mm with external hinge	$296.59
Mi9401	Enclosure with grey lid - 600 x 300 x 170 mm with external hinge	$348.99
Mi9411	Enclosure with grey lid - 600 x 300 x 214 mm with external hinge	$374.47

Mi SWITCHBOARD SYSTEM

IP65 FIXED LID CIRCUIT BREAKER ENCLOSURES WITHOUT E/N BARS

Mi1447

Mi1115	12 Module MCB Box with fixed lid - E&N bars not supplied - 150 x 300 x 170mm	$236.59
Mi1225	24 Module MCB Box with fixed lid - E&N bars not supplied - 300 x 300 x 170mm	$312.86
Mi1335	36 Module MCB Box with fixed lid - E&N bars not supplied - 450 x 300 x 170mm	$392.44
Mi1447	48 Module MCB Box with fixed lid - E&N bars not supplied - 600 x 300 x 170mm	$488.18
Mi1440	36 Module MCB Box, fixed lid, additional DIN Rail, no E&N bars - 600x300x170mm	$480.85

Earth/Neutral Bar options below

IP65 HINGED FLAP CIRCUIT BREAKER ENCLOSURES WITHOUT E/N BARS

Mi1337

Mi1117	12 Module MCB Box with 1 hinged flap - E&N bars not supplied - 150x300x185mm	$279.93
Mi1227	24 Module MCB Box with 2 hinged flaps - E&N bars not supplied - 300x300x185mm	$399.55
Mi1337	36 Module MCB Box with 3 hinged flaps - E&N bars not supplied - 450x300x184mm	$522.48
Mi1445	48 Module MCB Box with 4 hinged flaps - E&N bars not supplied - 600x300x185mm	$661.56
Mi1443	36 Module MCB Box, 3 hinged flaps, additional DIN Rail, no E&N - 600x300x185mm	$610.87

Earth/Neutral Bar options below

IP65 HINGED LID CIRCUIT BREAKER ENCLOSURE WITHOUT E/N BARS

Mi1226

Mi1226	24 Module MCB Box with hinged lid - E&N bars not supplied – 300x300x170mm	$336.65

Earth/Neutral Bar options below

FIXCONNECT EARTH AND NEUTRAL BARS

FCPN60

FCPN30

FCPN30	Earth & Neutral Bar for 12 and 24 way Mi Circuit Breaker Enclosures	$65.88
FCPN60	Earth & Neutral Bar for 36 and 48 way Mi Circuit Breaker Enclosures	$120.48
FCN30	Neutral Bar for 36 and 48 way Mi Circuit Breaker Enclosures	$82.29
FCPE30	Earth Bar for 36 and 48 way Mi Circuit Breaker Enclosures	$61.84
FCN10	Neutral Bar for 12 way Mi Circuit Breaker Enclosures - DIN Rail Mounted	$20.25
FCPE10	Earth Bar for 12 way Mi Circuit Breaker Enclosures - DIN Rail Mounted	$20.25
FCPN10	Earth & Neutral Bar for 6 way Mi Circuit Breaker Enclosure - DIN Rail Mounted	$20.25
FCBS5	Fixconnect labelling system for FCN10, FCPE10 & FCPN10 (set of 5)	$3.81

IP65 KWHR METER BOXES

Mi2400

Mi2300	KWHR Meter Box with meter support and fixing screws - 450x300x170mm	$249.87
Mi2310	KWHR Meter Box with meter support and fixing screws - 450x300x214mm	$269.38
Mi2400	KWHR Meter Box with additional DIN rail - 600x300x170mm	$327.03
Mi2410	KWHR Meter Box with additional DIN rail - 600x300x214mm	$352.57
Mi2800	KWHR Meter Box suitable for 3 meters with additional DIN rail - 600x600x170mm	$705.19

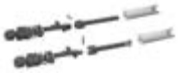
EXTENSION FRAMES

MiZR4

MiZR4	Extension Frame for Mi 0400, Mi 0401, Mi 0410 & Mi 04011 - 85mm extension	$114.41
MiZR8	Extension Frame for Mi 0800 & Mi 0801 - 85 mm extension	$236.63

JOINING KITS AND ACCESSORIES

MiWD2


MiZS20

MiZS40

MiZS12

MiWD2	Wall Gasket Joining Kit	$9.38
MiWT1	Wall Separator Joining Kit	$27.82
MiZS20	Hinge Kit - light duty	$31.19
MiZS40	Heavy Duty Hinge Kit for all enclosure sizes *	$153.10
MiZS60	Heavy Duty Hinge Kit for enclosures with extension frames Mi ZR4 or Mi ZR8 *	$162.96
AS-12	MCB Cover Strip - 12 way	$6.92
MiAL40	External Mounting Brackets	$31.46
MiD0964	Hand Operator Part	$1.89
MiD0965	Sealing Cap Part	$2.70
MiZS11	Lid lock set type 1	$38.66
MiZS12	Lid lock set type 2	$38.66
SUKS11	Flat headed screw 11mm long	$0.24
SUKS13	Flat headed screw 13mm long	$0.26

Note: Wall Connectors or Flange Plates are necessary for assembly

TECHNICAL INFORMATION

Mi PROTECTION COVERS

The Mi System Protection Covers are fixed behind enclosures with clear lids.

They are ideal for display product and control product that needs to have the additional IP65 protection that the clear lid provides.

COVER PLATES

MiEP94

MiEP91	Protection Cover for mounting of equipment in Mi0100 enclosures	$56.57
MiEP92	Protection Cover for mounting of equipment in Mi0200 enclosures	$69.27
MiEP93	Protection Cover for mounting of equipment in Mi0300 enclosures	$83.61
MiEP94	Protection Cover for mounting of equipment in Mi0400 enclosures	$90.44

PVC MOUNTING PLATES

MiMP4

MiMP1	Mounting Plates - 259 x 115 mm	$13.01
MiMP2	Mounting Plates - 265 x 265 mm	$21.67
MiMP3	Mounting Plates - 265 x 415 mm	$30.34
MiMP4	Mounting Plates - 265 x 565 mm	$39.02
MiMP8	Mounting Plates - 565 x 565 mm	$60.70

FLANGE PLATES

MiFM15

MiFP38

MiFP15	Flange Plate - Plain - 150 x 25 mm	$31.87
MiFP20	Flange Plate - Plain - 300 x 25 mm	$45.94
MiFP38	Flange Plate - IP65 Integrated Glands - 300 x 25 mm	$70.79
MiFM63	Flange Plate - 300 x 25 mm	$66.63
MiFP82	Flange Plate - 70mm O/D cables - 300 x 25 mm	$193.29
MiBF44	IP44 Ventilation Flange for vertical installation on Mi Boxes	$130.30
MiBE44	Ventilation Insert for MiBF44	$53.13

Please allow for assembly time for some Hensel Mi Solutions

INDUSTRIAL SWITCHBOARD SYSTEM - Mi

BUSBAR SUPPORTS

MiST63

MiST25	250 Amp 5 Pole Busbar support set	$7.55
MiST41	400 Amp 5 Pole Busbar support set	$7.82
MiST63	630 Amp 5 Pole Busbar support set	$8.34
MiS0603	Locking part used only in Mi ST 63 system with 10 mm busbars	$9.39

DIN RAILS

MiDS25

MiTS30

MiTS30	Din Rail - 284mm long	$6.41
MiTS45	Din Rail - 434mm long	$8.97
MiTS60	Din Rail - 584mm long	$11.53
MiDS25	DIN Rail Spacers - 25mm high	$6.92
MiDS50	DIN Rail Spacers - 50mm high	$11.47

Mi CONNECTION BOX

MiCB10

MiCB10	Connection Box - for installation of devices such as plugs and switches	$90.68

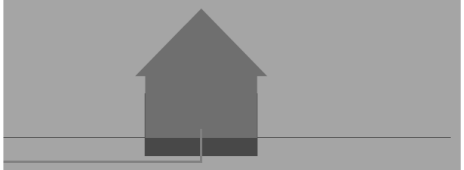
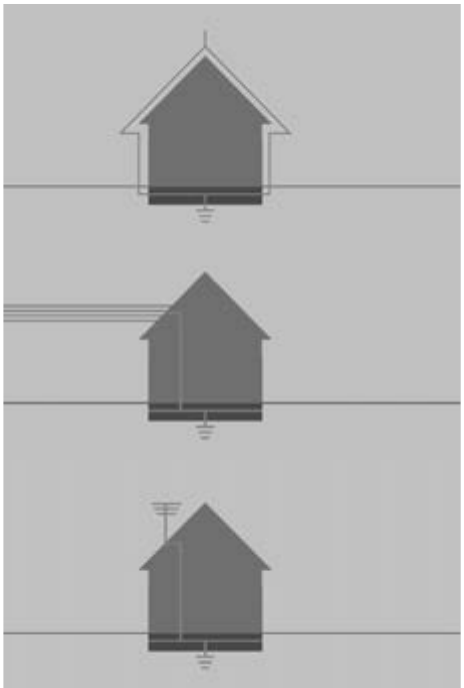
Mi CANOPY - POWDER COATED STEEL

MiDB30

MiDB15	Canopy for Box size 150mm with fixing wedges & seal	$63.52
MiDB30	Canopy for Box size 300mm with fixing wedges & seal	$93.15
MiDB01	Canopy End Plates for MiDB15 & MiDB30	$36.72

ENYGUIDE:
The Enyguide configurator supports project engineering for the Mi switchboard system. This easy to use 3D design tool assists Electricians, Engineers and Electrical Wholesalers with the design of Mi Switchboards.

PRODUCT MOVIES:
On the Hensel website there are many product movies including a very informative Mi Switchboard assembly video.

Situation Please select building type	Main Switchboard Type 1 and Type 2	Distribution Boards Type 2
 No external lightning protection system Underground supply	 Residential/Commercial/ Industrial V20-C/… Series	 Residential/Commercial/ Industrial V20-C/…+NPE Series V10-C/…+NPE Series V10 Compact Series
 External lightning protection system Overhead supply Earthed antenna structure	 Residential/ Small Commercial & Industrial V25-B+C/… Series Large Commercial/ Large Industrial PS3-B+C/…. Series	 Residential/Commercial/ Industrial V20-C/…+NPE Series V10-C/…+NPE Series V10 Compact Series

Situation Please select building type	Main Switchboard Type 1 and Type 2	Distribution Boards Type 2
Residential Building with Underground Supply	V20-C/1 for Single Phase applications V20-C/3 for 3 Phase applications	V20-C/1+NPE for Single Phase applications V20-C/3+NPE for 3 Phase applications
Residential Building with Overhead Supply	V25-B+C/1 for Single Phase applications V25-B+C/3 for 3 Phase applications	V20-C/1+NPE for Single Phase applications V20-C/3+NPE for 3 Phase applications
Milking Shed	V25-B+C/1 for Single Phase applications V25-B+C/3 for 3 Phase applications	V20-C/1+NPE for Single Phase applications V20-C/3+NPE for 3 Phase applications
Small Commercial or Industrial Site	V25-B+C/1+FS for Single Phase applications V25-B+C/3+FS for 3 Phase applications	V20-C/1+NPE+FS for Single Phase applications V20-C/3+NPE+FS for 3 Phase applications
Commercial or Industrial Site	PS3-B+C/TNC+FS for all applications	V20-C/1+NPE+FS for Single Phase applications V20-C/2+NPE+FS for 2 Phase applications V20-C/3+NPE+FS for 3 Phase applications

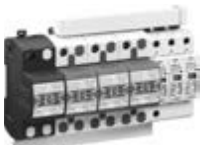
MC SERIES - COARSE OR TYPE 1 ARRESTORS

MCD 50-B/3

MC 50-B

MC50-B/3	Multi-Carbon Spark Gap Lightning Controller - Three Pole - 150kA (10/350)	$1,212.65
MC50-B/3+1	Multi-Carbon Spark Gap Lightning Controller - Four Pole - 125kA (10/350)	$1,663.44
MC50-B	Multi-Carbon Spark Gap Lightning Controller - 50kA (10/350)	$422.43
MC125-B/NPE	NPE Lightning Controller - 125kA (10/350)	$475.07
MC-V3	Copper Bridge 16mm² for MC Arrestors - Three Pole	$18.14
MC-V4	Copper Bridge 16mm² for MC Arrestors - Four Pole	$22.36
LC63	Lightning Co-ordinator - 63 Amp	$249.78
MCD50-B/3	Multi-Carbon Spark Gap Lightning Controller - Three Pole - 100kA (10/350)	$1,316.73
MCD50-B/3+1	Multi-Carbon Spark Gap Lightning Controller - Four Pole - 100kA (10/350)	$1,806.72
MCD50-B	Multi-Carbon Spark Gap Lightning Controller - 50kA (10/350)	$458.69
MCD125-B/NPE	NPE Lightning Controller - 125kA (10/350)	$498.26

PS/V50 SERIES - COMBINED COARSE & MEDIUM - TYPE 1 & 2 ARRESTORS


PS4-B+C/TT+TNS

V 50-B+C/3+NPE

PS3-B+C/TNC	3 Pole Protection Set - 100kA (10/350)	$1,679.95
PS3-B+C/TNC+FS	3 Pole Protection Set with Remote Signalling - 100kA (10/350)	$1,778.20
PS4-B+C/TT+TNS	4 Pole Protection Set - 100kA (10/350)	$2,097.17
PS4-B+C/TNS+FS	4 Pole Protection Set with Remote Signalling - 100kA (10/350)	$2,235.72
PS2-B+C/TT+TNS	2 Pole Protection Set - 100kA (10/350)	$851.21
V50-B+C/3	Triple Pole Arrestor - 90kA (8/20)	$1,001.07
V50-B+C/3+NPE	Triple Pole Arrestor & NPE Spark Discharge - 50kA (8/20)	$1,224.10
V50-B+C/3-FS	Triple Pole Arrestor with Remote Signalling - 90kA (8/20)	$1,125.87
V50-B+C/3+NPE-FS	Triple Pole Arrestor with Remote Signalling - 50kA (8/20)	$1,317.51
V50-B+C/0-150	Replacement Module Single Pole - 150V	$264.77
V50-B+C/0-280*	Replacement Module Single Pole - 280V	$260.05

NOTE: The standard Replacement Module Voltage is 280V

V25 SERIES - COMBINED COARSE & MEDIUM - TYPE 1 & 2 ARRESTORS

V 25-B+C/4

V 25-B+C/1	Single Pole Arrestor - 50kA (8/20)	$202.37
V 25-B+C/2	Double Pole Arrestor - 60kA (8/20)	$384.90
V 25-B+C/3	Triple Pole Arrestor - 90kA (8/20)	$558.33
V 25-B+C/4	Four Pole Arrestor - 120kA (8/20)	$758.66
V 25-B+C/1+NPE	Single Pole Arrestor & NPE Spark Discharge - 60kA (8/20)	$340.33
V 25-B+C/2+NPE	Double Pole Arrestor & NPE Spark Discharge - 90kA (8/20)	$553.68
V 25-B+C/3+NPE	Triple Pole Arrestor & NPE Spark Discharge - 120kA (8/20)	$767.25

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V25 SERIES - COMBINED COARSE & MEDIUM - TYPE 1 & 2 ARRESTORS WITH REMOTE SIGNALLING

V 25-B+C/3+NPE

V 25-B+C/3-AS

V25-B+C/1-FS	Single Pole Arrestor with Changeover Switch - 50kA (8/20)	$282.55
V25-B+C/2-FS	Double Pole Arrestor with Changeover Switch - 100kA (8/20)	$501.84
V25-B+C/3-FS	Triple Pole Arrestor with Changeover Switch - 90kA (8/20)	$675.28
V25-B+C/4-FS	Four Pole Arrestor with Changeover Switch - 120kA (8/20)	$875.60
V25-B+C/1+NPE-FS	Single Pole Arrestor with Changeover Switch - 60kA (8/20)	$451.72
V25-B+C/3+NPE-FS	Triple Pole Arrestor with Changeover Switch - 120kA (8/20)	$894.04
V25-B+C/3-AS	Triple Pole Arrestor with Audible Signal - 90kA (8/20)	$922.22
V25-B+C/4-AS	Four Pole Arrestor with Audible Signal - 120kA (8/20)	$1,101.54
V25-B+C/3+NPE-AS	Triple Pole Arrestor & NPE with Audible Signal - 120kA (8/20)	$1,058.52
V25-B+C/3-FS-SU	Triple Pole Arrestor with Function Monitoring - 90kA (8/20)	$926.08
V25-B+C/4-FS-SU	Four Pole Arrestor with Function Monitoring - 120kA (8/20)	$1,139.97

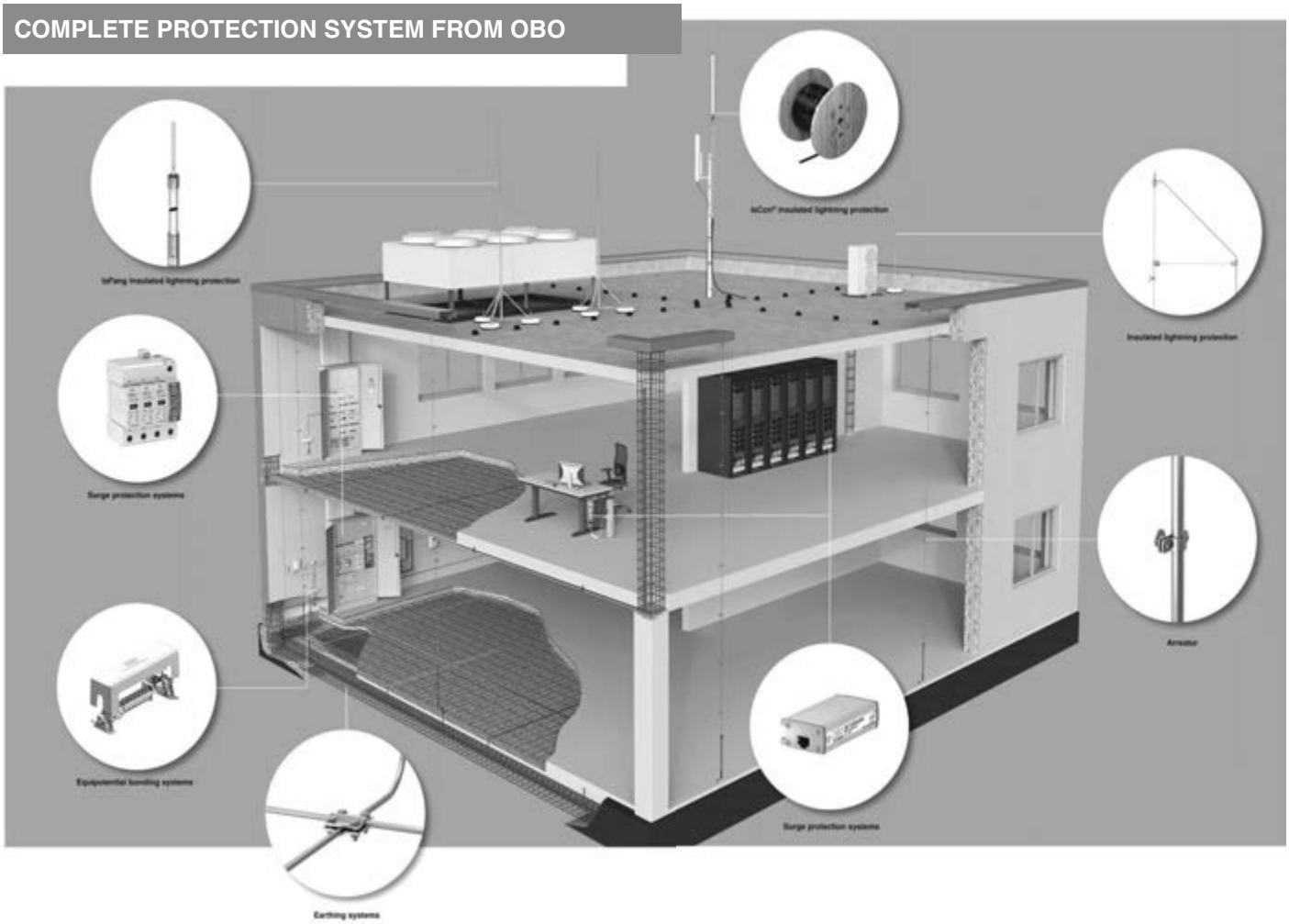
V25 SERIES REPLACEMENT MODULES

V 25-B+C/0

V25-B+C/0-150	Replacement Module Single Pole - 150V	$198.75
V25-B+C/0-280	Replacement Module Single Pole - 280V	$171.64
V25-B+C/0-385	Replacement Module Single Pole - 385V	$198.75

NOTE: The standard Replacement Module Voltage is 280V

COMPLETE PROTECTION SYSTEM FROM OBO



V20 SERIES - MEDIUM OR TYPE 2 ARRESTORS

V 20-C/3

V20-C/1	Single Pole Arrestor - 40kA (8/20)	$122.96
V20-C/2	Double Pole Arrestor - 40kA (8/20)	$242.09
V20-C/3	Triple Pole Arrestor - 60kA (8/20)	$353.51
V20-C/4	Four Pole Arrestor - 80kA (8/20)	$484.17
V20-C/1+NPE	Single Pole Arrestor & NPE Spark Discharge - 40kA (8/20)	$293.32
V20-C/2+NPE	Double Pole Arrestor & NPE Spark Discharge - 60kA (8/20)	$421.99
V20-C/3+NPE	Triple Pole Arrestor & NPE Spark Discharge - 120kA (8/20)	$502.09

V20 SERIES - MEDIUM OR TYPE 2 ARRESTORS WITH REMOTE SIGNALLING

V 20-C/3+NPE

V20-C/1-FS	Single Pole Arrestor with Remote Signalling - 40kA (8/20)	$155.00
V20-C/2-FS	Double Pole Arrestor with Remote Signalling - 40kA (8/20)	$318.94
V20-C/3-FS	Triple Pole Arrestor with Remote Signalling - 60kA (8/20)	$470.46
V20-C/4-FS	Four Pole Arrestor with Remote Signalling - 40kA (8/20)	$582.53
V20-C/1+NPE-FS	Single Pole Arrestor & NPE with Remote Signalling - 40kA (8/20)	$341.19
V20-C/2+NPE-FS	Double Pole Arrestor & NPE with Remote Signalling - 60kA (8/20)	$482.93
V20-C/3+NPE-FS	Triple Pole Arrestor & NPE with Remote Signalling - 80kA (8/20)	$587.92

V20 SERIES - MEDIUM OR TYPE 2 ARRESTORS WITH SPECIAL REMOTE SIGNALLING

V 20-C/3-AS

V20-C/2-AS	Double Pole Arrestor with Audible Signal - 40kA (8/20)	$782.61
V20-C/3-AS	Triple Pole Arrestor with Audible Signal - 60kA (8/20)	$902.11
V20-C/4-AS	Four Pole Arrestor with Audible Signal - 80kA (8/20)	$1,023.67
V20-C/3+NPE-AS	Triple Pole Arrestor & NPE with Audible Signal - 80kA (8/20)	$766.01
V20-C/3+FS-SU	Triple Pole Arrestor with Function Monitoring - 60kA (8/20)	$718.95
V20-C/4+FS-SU	Four Pole Arrestor with Function Monitoring - 80kA (8/20)	$823.33

V20 SERIES REPLACEMENT MODULES

V 20-C/0-280

V 20-C/0-75	Replacement Module Single Pole - 75V	$174.55
V 20-C/0-150	Replacement Module Single Pole - 150V	$174.55
V 20-C/0-280*	Replacement Module Single Pole - 280V	$90.05
V 20-C/0-320	Replacement Module Single Pole - 320V	$174.55
V 20-C/0-335	Replacement Module Single Pole - 335V	$174.55
V 20-C/0-385	Replacement Module Single Pole - 385V	$174.55
V 20-C/0-440	Replacement Module Single Pole - 440V	$174.55
V 20-C/0-550	Replacement Module Single Pole - 550V	$174.55

NOTE: The standard Replacement Module Voltage is 280V

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V10 SERIES - MEDIUM & FINE / TYPE 2 + 3 ARRESTORS

V 10-C/1

V10-C/1	Single Pole Arrestor - 20kA (8/20)	$116.55
V10-C/2	Double Pole Arrestor - 20kA (8/20)	$212.87
V10-C/3	Triple Pole Arrestor - 40kA (8/20)	$270.75
V10-C/4	Four Pole Arrestor - 40kA (8/20)	$429.79
V10-C/1+NPE	Single Pole Arrestor & NPE Spark Discharge - 20kA (8/20)	$184.67
V10-C/2+NPE	Double Pole Arrestor & NPE Spark Discharge - 20kA (8/20)	$258.59
V10-C/3+NPE	Triple Pole Arrestor & NPE Spark Discharge - 40kA (8/20)	$347.00

V10 SERIES - MEDIUM & FINE / TYPE 2 + 3 ARRESTORS WITH REMOTE SIGNALLING

V 10-C3+NPE+FS

V10-C/1-FS	Single Pole Arrestor with Remote Signalling - 20kA	$144.91
V10-C/2-FS	Double Pole Arrestor with Remote Signalling - 20kA	$242.48
V10-C/3-FS	Triple Pole Arrestor with Remote Signalling - 40kA	$308.37
V10-C/1+NPE+FS	Single Pole Arrestor & NPE with Remote Signalling - 20kA	$221.70
V10-C/2+NPE+FS	Double Pole Arrestor & NPE with Remote Signalling - 20kA	$318.90
V10-C/3+NPE+FS	Triple Pole Arrestor & NPE with Remote Signalling - 40kA (8/20)	$441.92

V10 SERIES REPLACEMENT MODULES

V 10-C/0-280

V10-C/0-150	Replacement Module Single Pole - 150V	$160.99
V10-C/0-280*	Replacement Module Single Pole - 280V	$71.63
V10-C/0-320	Replacement Module Single Pole - 320V	$160.99
V10-C/0-385	Replacement Module Single Pole - 385V	$160.99

NOTE: The standard Replacement Module Voltage is 280V

V10 COMPACT SERIES - MEDIUM & FINE / TYPE 2 + 3 ARRESTORS

V 10 Compact

V10 Compact	V10 Arrestor Set - 3 Phase Neutral & Earth - 255V - 60kA (8/20)	$326.59
V10 Compact-FS	V10 Arrestor Set with Remote Signalling - 3~/N/E - 255V - 60kA (8/20)	$375.29
V10 Compact-AS	V10 Arrestor Set with Audible Signal - 3~/N/E - 255V - 60kA (8/20)	$378.79
VB-V10 Compact 200	Connection Bridge 200mm for V10 Compact Products	$61.70
VB-V10 Compact 400	Connection Bridge 400mm for V10 Compact Products	$71.54

EARTH SYSTEM SPARK GAP ARRESTORS (EX)

480-350

480-180	Spark Gap Arrestor (EX)- closed type with 180mm leads	$418.95
480-250	Spark Gap Arrestor (EX)- closed type with 250mm leads	$435.04
480-350	Spark Gap Arrestor (EX)- closed type with 350mm leads	$451.13
481	Spark Gap Arrestor	$206.92

MULTIBASE BASE OPTIONS

MB 4

MB 4+FS

MB1	Single Pole Base Unit	$53.79
MB2	Double Pole Base Unit	$101.95
MB3	Triple Pole Base Unit	$158.58
MB4	Four Pole Base Unit	$194.68
MB1+NPE	Single Pole & NPE Base Unit	$134.15
MB2+NPE	Triple Pole & NPE Base Unit	$161.16
MB3+NPE	Triple Pole & NPE Base Unit	$215.19
MB1+FS	Single Pole Base Unit with Remote Signalling	$101.06
MB2+FS	Double Pole Base Unit with Remote Signalling	$183.17
MB3+FS	Triple Pole Base Unit with Remote Signalling	$267.83
MB4+FS	Four Pole Base Unit with Remote Signalling	$346.22
MB1+NPE+FS	Single Pole & NPE Base Unit with Remote Signalling	$283.75
MB2+NPE+FS	Double Pole & NPE Base Unit with Remote Signalling	$323.86
MB3+NPE+FS	Triple Pole & NPE Base Unit with Remote Signalling	$362.48
MB-FS	Remote Signalling Replacement Connector	$8.34

SPECIAL BASES WITH REMOTE SIGNALLING OPTIONS

V20-C/V-3+NPE-AS

V20-C/U-2-AS	Double Pole Base Unit with Audible Signal	$584.20
V20-C/U-3-AS	Triple Pole Base Unit with Audible Signal	$652.34
V20-C/U-4-AS	Four Pole Base Unit with Audible Signal	$715.37
V20-C/U-3+NPE-AS	Triple Pole & NPE Base Unit with Audible Signal	$727.68
V20-C/U-3-FS-SU	Triple Pole Base Unit with Function Monitoring	$619.42
V20-C/U-4-FS-SU	Four Pole Base Unit with Function Monitoring	$653.23
V20-C/U-3+NPE	Triple Pole & NPE Base Unit with Function Monitoring	$404.53
VB-MultiBase	4 Pole Connecting Bridge	$97.99

NPE MODULE AND BASE

C 25-B+C/1	Single Module NPE - 50kA (8/20)	$115.58
C 25-B+C/0	Spare NPE Module	$78.99

TEST EQUIPMENT

ISOLAB GB	Insulation and Arrestor Module Tester	POA

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BUILT IN SERIES - FINE/TYPE 3 ARRESTORS

ÜSM-A

KNS-D	Flush Box Installed Fine Protection	$226.24
KND-IS-D	Flush Box Installed Fine Protection with Insulation Tester Switch	$254.76
ÜSM-A	Surge Protection for Socket Outlets with Audible Signal	$126.46
ÜSM-A-2	Surge Protection for Socket Outlets with Audible Signal - V Connection	$154.85

VF SERIES - FINE/TYPE 3 ARRESTORS

VF 12-AC/DC

VF12-AC/DC	Single Pole Surge Arrestor - 12VAC/DC - 20 Amp	$262.58
VF24-AC/DC	Single Pole Surge Arrestor - 24VAC/DC - 20 Amp	$262.58
VF48-AC/DC	Single Pole Surge Arrestor - 48VAC/DC - 20 Amp	$326.63
VF60-AC/DC	Single Pole Surge Arrestor - 60VAC/DC - 20 Amp	$326.63
VF110-AC/DC	Single Pole Surge Arrestor - 110VAC/DC - 20 Amp	$326.63
VF230-AC/DC	Single Pole Surge Arrestor - 230VAC/DC - 20 Amp	$262.58

VF SERIES - FINE/TYPE 3 ARRESTORS WITH REMOTE SIGNALLING

VF24-AC/DC-FS	Single Pole Arrestor with Remote Signalling - 24VAC/DC - 20 Amp	$297.16
VF110-AC/DC-FS	Single Pole Arrestor with Remote Signalling - 110VAC/DC - 20 Amp	$297.16
VF230-AC-FS	Single Pole Arrestor with Remote Signalling - 230VAC - 20 Amp	$297.16

BET TESTCENTER

The BET Test Center was founded in 1995 and possesses a test generator for lightning current tests of up to 200 kA and a hybrid generator for surge current tests of up to 20 kV. The test generator is primarily used to test products from the TBS Transient and lightning protection systems product unit. There also developmental tests of new products, modifications to existing OBO products and comparison tests with competitive lightning protection components, surge protection devices and lightning arrestors. Tests for lightning protection components are carried out according to IEC 50164-1 and those for spark gaps according to IEC 50164-3.
The hybrid generator is used to test data cable protection devices as well as all kinds of cable routing and cable support systems up to lengths of eight metres. In addition, tests of electrical conductivity are carried out according to IEC 61537.

V25 SERIES - COMBINED COARSE & MEDIUM - TYPE 1 & 2 ARRESTORS

V25-B+C/3-PH900

V25-B+C/3-PH900	Photovoltaic Lightning & Surge Arrestor, 3 Pole, 900VDC	$514.64
V25-B+C/3PHFS900	PV Lightning & Surge Arrestor with Remote Signalling, 3 Pole, 900VDC	$585.34
V25-B+C/2-PH900	Photovoltaic Lightning & Surge Arrestor, 2 Pole, 900VDC	$344.07
V25-B+C/2PHFS900	PV Lightning & Surge Arrestor with Remote Signalling, 2 Pole, 900VDC	$427.99
V25-B+C/0-450PV	Replacement Module for 900VDC Arrestor - 450VDC	$138.26

V20 SERIES - MEDIUM - TYPE 2 ARRESTORS

V20-C/3-PH600

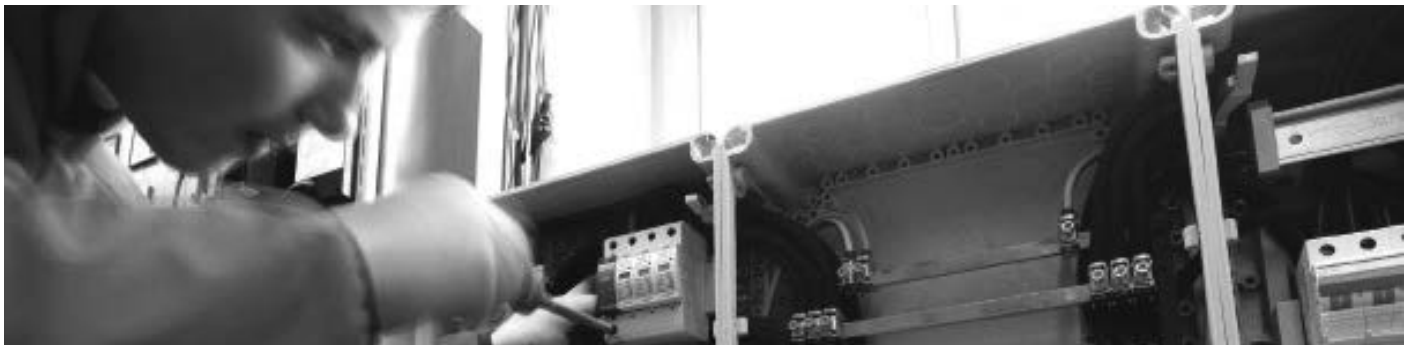
V20-C/0- 300PV

V20-C/3-PH-600	Photovoltaic Surge Arrestor, 3 Pole, 600VDC	$306.31
V20-C/3PHFS-600	Photovoltaic Surge Arrestor with Remote Signalling, 3 Pole, 600VDC	$381.52
V20-C/2-PH-600	Photovoltaic Surge Arrestor, 2 Pole, 600VDC	$207.81
V20-C/2PHFS-600	Photovoltaic Surge Arrestor with Remote Signalling, 2 Pole, 600VDC	$291.62
V20-C/3-PH-1000	Photovoltaic Surge Arrestor, 3 Pole, 1000VDC	$330.44
V20-C/3PHFS-1000	Photovoltaic Surge Arrestor with Remote Signalling, 3 Pole, 1000VDC	$419.29
V20-C/2-PH-1000	Photovoltaic Surge Arrestor, 2 Pole, 1000VDC	$225.01
V20-C/2PHFS-1000	Photovoltaic Surge Arrestor with Remote Signalling, 2 Pole, 1000VDC	$305.26
V20-C/0-300PV	Replacement Module for 600VDC Arrestor, 300VDC	$70.39
V20-C/0-500PV	Replacement Module for 1000VDC Arrestor, 500VDC	$78.99

PV BASE ACCESSORIES

V20-C/U-3PH-Y-FS

V20-C/U-3PH-Y	Photovoltaic 3 Pole Surge Arrestor Base	$95.67
V20-C/U-3PH-Y-FS	Photovoltaic 3 Pole Surge Arrestor Base with Remote Signalling	$245.15
V20-C/U-2PH-Y	Photovoltaic 2 Pole Surge Arrestor Base	$64.09
V20-C/U-2PH-Y-FS	Photovoltaic 2 Pole Surge Arrestor Base with Remote Signalling	$153.15



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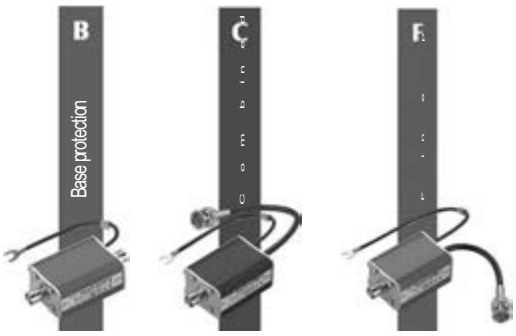
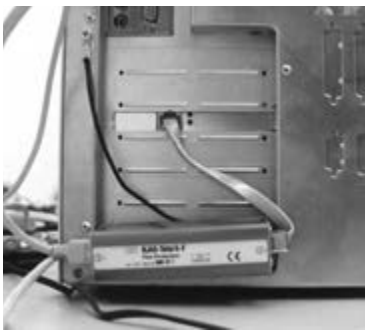
TECHNICAL INFORMATION



DATA & COMMUNICATION PROTECTION

To choose the correct OBO device they have been divided into three classes.

Basic (entry) protection in red, Fine protection in green and Combined protection in blue.



TELE COMMUNICATION SURGE PROTECTION

RJ 11 - Tele/4-C

Tele-Defender TD-4/I

SC-Tele/4-C-G	Combined Protection Device for installation directly at the Point of Entry - IP54	$374.19
RJ11-Tele/4-C	Combined Protection Device for installation at the Device with RJ11 Connections	$285.64
RJ11-Tele/4-F	Precision Protection Device for installation at the Device with RJ11 Connections	$216.47
RJ45-Tele/4-C	Combined Protection Device for installation at the Device with RJ45 Connections	$285.64
RJ45-Tele/4-F	Precision Protection Device for installation at the Device with RJ45 Connections	$216.47
RJ45-ISDN/4-C-G	Combined Protection Device for installation outside - IP54	$288.34
TD-4/I	Tele-Defender Wide Bandwidth Telecommunication Equipment Arrester, IP54	$293.56

LSA - PLUS SYSTEM PROTECTION

LSA-A-LEI

LSA-M	LSA Plus Base	$34.60
LSA-A-LEI	LSA Plus Connection Block suitable for LSA-B-MAG Arrester	$33.78
LSA-T-LEI	LSA Plus Connection Block suitable for both LSA-B-MAG & LSA-BF Arresters	$43.04
LSA-B-MAG	LSA Basic Protection Arrester Block	$206.29
LSA-E	LSA Earthing Strip for LSA-BF Arresters	$9.19
LSA-BF-24	LSA 24 V Combined Protection Device for one circuit (10 possible in LSA-T-LEI)	$93.83
LSA-BF-180	LSA 180 V Combined Protection Device for one circuit (10 possible in LSA-T-LEI)	$93.83
LSA-G	Protective housing for a LSA 10	$75.05

COAXIAL PROTECTION DEVICES

DS-N m/w

DS-Nm/w	Basic Coaxial Protection Device for HF Technology, 0 - 5.3 GHz	$221.44
DS-BNCm/w	BNC Coaxial Protection Device, 0 - 2.2 GHz	$239.72
S-UHFm/w	Coaxial Protection Device for UHF Technology, 0 - 1.3 GHz	$418.68

NETWORK TECHNOLOGY PROTECTION

ND - CAT6A/EA

ND - CAT6A/EA	Net Defender 10GB Surge Protection Class EA/CAT6A with POE (up to 1 Amp)	$298.89
RJ45S-ATM/8-F	Universal Fine Data Line Protection Device with RJ45 Connections, 8 Wires	$606.28

DATA TECHNOLOGY PROTECTION

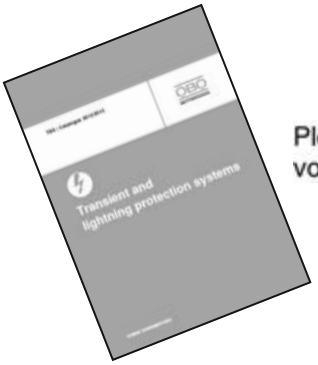
RJ45S-V24T/8-F	Universal Fine Data Line Protection Device with RJ45 Connections, 8 Wires	$321.31

SERIAL INTERFACE PROTECTION

SD09-V24-9	Serial Cable Protection - D-SUB 9 Pole Connection RS232	$239.85
SD09-V11-9	Serial Cable Protection - D-SUB 9 Pole Connection RS485	$322.36

DATA TECHNOLOGY PROTECTION

ASP-V11EI-4	Fine Protection for RS485 with screwless terminals	$391.51
ASP-V24T-4	Fine Protection for RS232 with screwless terminals	$391.51



Please ask for a copy of the OBO Bettermann lighting and surge voltage protection catalogue.

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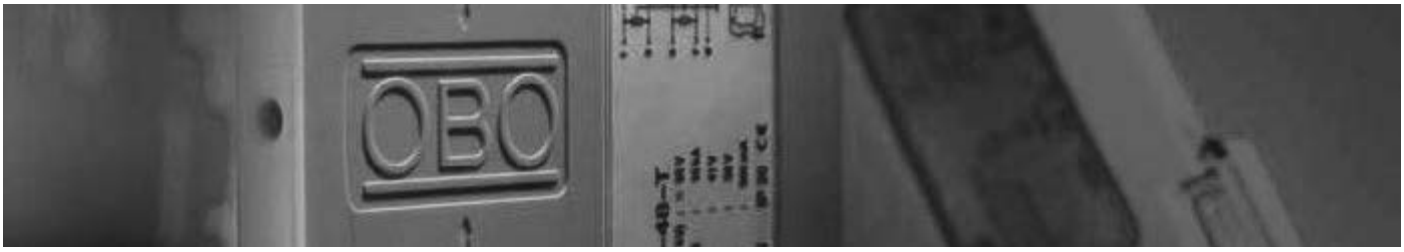


MCR PROTECTION

FLD 5

TKS-B	Basic Protection Device for MCR and Telecommunication Systems	$113.89
FLD 5	Lightning Barrier for Measurement & Control Connections - 5V	$366.72
FLD 24	Lightning Barrier for Measurement & Control Connections - 24V	$366.72
FLD 60	Lightning Barrier for Measurement & Control Connections - 60V	$366.72
FLD 110	Lightning Barrier for Measurement & Control Connections - 110V	$366.72
FRD 24 HF	Lightning Barrier for Bus Systems - 24V	$157.13
FRD 110	Medium and Fine Protection Device for MCR Systems - 110V	$115.29

MCR PROTECTION - MULTI-CABLE SYSTEMS

MDP-4/D-5T

Life Control Tester

MDP-2/D-5-T	Terminal Lightning Barrier, 5V, 2 Pole	$200.33
MDP-3/D-5-T	Terminal Lightning Barrier, 5V, 3 Pole	$252.54
MDP-4/D-5-T	Terminal Lightning Barrier, 5V, 4 Pole	$305.95
MDP-2/D-24-T	Terminal Lightning Barrier, 24V, 2 Pole	$200.33
MDP-3/D-24-T	Terminal Lightning Barrier, 24V, 3 Pole	$252.54
MDP-4/D-24-T	Terminal Lightning Barrier, 24V, 4 Pole	$305.95
MDP-2/D-48-T	Terminal Lightning Barrier, 48V, 2 Pole	$200.33
MDP-3/D-48-T	Terminal Lightning Barrier, 48V, 3 Pole	$252.54
MDP-4/D-48-T	Terminal Lightning Barrier, 48V, 4 Pole	$305.95
VB-MDP/10-MD	MDP Series Connection Bridge, 10 Pole	$25.50
LFC	Life Control Tester for the MDP Lightning Barriers	POA

MCR PROTECTION - MULTI-CABLE SYSTEMS (EX)

MDP-4-D-5-EX	Terminal Lightning Barrier for EX MCR Circuits - 5V, 4 Pole	$260.15
MDP-4-D-24-EX	Terminal Lightning Barrier for EX MCR Circuits - 24V, 4 Pole	$260.15
MDP-4-D48-EX	Terminal Lightning Barrier for EX MCR Circuits - 48V, 4 Pole	$260.15

PETROL FIELD PROTECTOR (EX)

FDB-2-24-M	Petrol Field Protector for (EX) Explosive Areas - 24V, 2 Pole, M20	$241.27
FDB-2-24-N	Petrol Field Protector for (EX) Explosive Areas - 24V, 2 Pole, 1/2" NPT	$241.27
FDB-3-24-M	Petrol Field Protector for (EX) Explosive Areas - 24V, 3 Pole, M20	$241.27
FDB-3-24-N	Petrol Field Protector for (EX) Explosive Areas - 24V, 3 Pole, 1/2" NPT	$241.27

STRIPCONNECTOR

OBO-76/CE

OBO-72/CE	12 Way Stripconnector, Size 1.5-4mm² 24 Amp	$2.31
OBO-74/CE	12 Way Stripconnector, Size 1.5-6mm² 32 Amp	$2.77
OBO-76/CE	12 Way Stripconnector, Size 2.5-10mm² 41 Amp	$3.84
OBO-78/CE	12 Way Stripconnector, Size 4-16mm² 76 Amp	$6.46
OBO-79/CE	12 Way Stripconnector, Size 6-25mm² 101 Amp	$13.11
OBO-80/CE	12 Way Stripconnector, Size 10-35mm² 125 Amp	$16.44

ENCLOSURES

OBO-A80

OBO-A6	Junction Box Empty, 80x43x34mm deep, IP55	$2.74
OBO-A8	Junction Box Empty, 75x75x36mm deep, IP55	$2.81
OBO-A11	Junction Box Empty, 85x85x40mm deep, IP55	$3.07
OBO-A14	Junction Box Empty, 100x100x40mm deep, IP55	$3.72
OBO-A18	Junction Box Empty, 125x100x40mm deep, IP55	$4.34
OBO-A84	Junction Box including Terminals, 4 Pole 32 Amp, IP55	$4.22

AQUASIT - COLD CASTING COMPOUND IP68

OBO AQUASIT cold casting compound is the safe solution for electrical installations in wet and damp environments. Aquasit is inserted into an installed enclosure using a standard cartridge pistol. The transparent, amber-coloured resin based compound sets to a soft elastic finish. Aquasit is "self-healing and can be easily removed.

Type	OBO-A6	OBO-A8	OBO-A11	OBO-A14	OBO-A18
Cartridges per Enclosure	0.4	0.5	0.8	1.1	1.4

KVM	Aquasit compound cartridge 250ml (includes mixer pipe)	$67.31
KVM-M	Aquasit compound cartridge mixer pipe	$4.33
KVM-P	Aquasit cartridge pistol (Aquasit cartridges will fit any standard pistol)	$309.46

RAIL SYSTEMS - ELECTROGALVANISED TRANSPARENTLY PASSIVATED STEEL

2069 GTPL

2069GTPL/155/2.2/2M

2069 GTP/2M	DIN Rail - 35x7.5mm - 2m	$14.21
2069 GTPL/2M	Slotted DIN Rail - 35x7.5mm - 2m	$16.02
2069 GTPL/1M	Slotted DIN Rail - 35x7.5mm - 1m	$8.81
2069 GTP/15/1.5/2M	DIN Rail - 35x15x1.5mm - 2m	$32.03
2069 GTPL/15/1.5/2M	Slotted DIN Rail - 35x15x1.5mm - 2m	$35.87
2069 GTP/15/2.2/2M	DIN Rail - 35x15x2.2mm - 2m	$41.06
2069 GTPL/15/2.2/2M	Slotted DIN Rail - 35x15x2.2mm - 2m	$50.16
2064 GTP	C Type Rail - 32x15mm - 2m	$21.64
2064 GTPL	Slotted C Type Rail - 32x15mm - 2m	$22.92
46277 GTP	"Mini" DIN Rail - 15x5mm - 2m	$14.09
46277 GTPL	Slotted "Mini" DIN Rail - 15x5mm - 2m	$14.72

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: OB03 (Rail Systems OB04)

CATALOGUES & SOLUTION GUIDES

OBO Bettermann are able to help you select the right product for your project. Their professionally laid out catalogues include a planners section which assists with important basic information. Their solution guides give the project designer important information concerning specific applications. Below are the different solution guides available - please ask us to send you a copy today.

Solutions for
Data Centres

Solutions for the
Food Industry

Solutions for
Health Care Sector

Solutions for
Power Stations

Solutions for
Ship Construction

Solutions for
Solar Systems

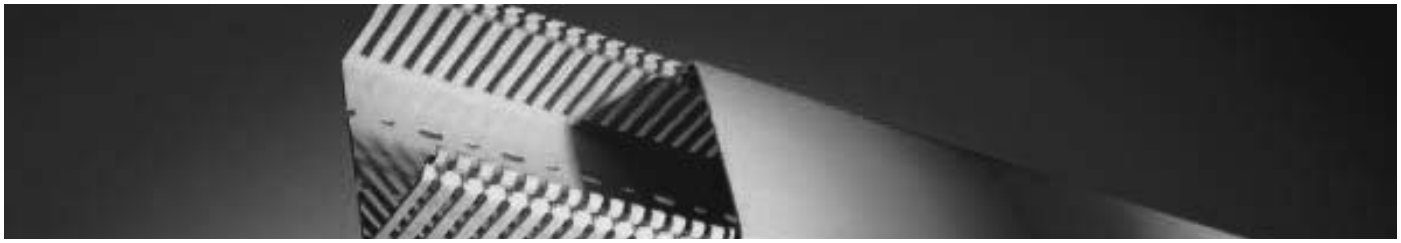
Solutions for Airports
and Railway Stations

Solutions for the
Manufacturing Industry

Solutions for
Commercial Buildings

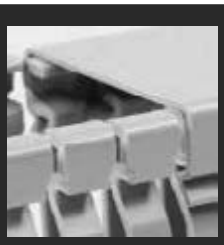
Solutions for
Wind Power

SWITCHBOARD SLOTTED TRUNKING

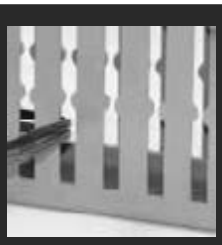


TECHNICAL INFORMATION

Superb quality ensures soft burr-free slots preventing cable damage even in high vibration situations.

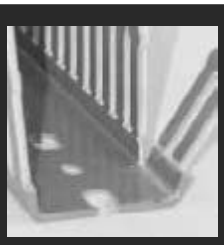


True to size manufacturing means easy mounting & removal of cover despite a tight shake resistant fit.

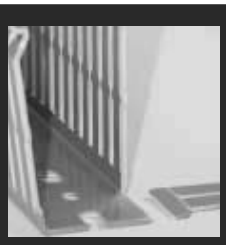


Choosing the lobe version ensures the installed wires do not fall out.

The fingers have predetermined breaking points that are much more defined to allow easy break-out.



Additional breaking point in the floor of the trunking can be used even when the duct is already fixed in place.



This avoids loss of volume and speeds up installation. All sizes are Internal Dimensions.

OPEN SLOTTED SWITCHBOARD TRUNKING

LK4 30025

LK4 60040

LK4 80120

LK4 15015	Duct Height 15mm x Width 15mm - Length 2 Meters	$13.60
LK4 30015	Duct Height 30mm x Width 15mm - Length 2 Meters	$13.92
LK4 30025	Duct Height 30mm x Width 25mm - Length 2 Meters	$15.23
LK4 40025	Duct Height 40mm x Width 25mm - Length 2 Meters	$17.68
LK4 40040	Duct Height 40mm x Width 40mm - Length 2 Meters	$19.47
LK4 40060	Duct Height 40mm x Width 60mm - Length 2 Meters	$26.57
LK4 60025	Duct Height 60mm x Width 25mm - Length 2 Meters	$26.83
LK4 60040	Duct Height 60mm x Width 40mm - Length 2 Meters	$28.83
LK4 60060	Duct Height 60mm x Width 60mm - Length 2 Meters	$37.02
LK4 60080	Duct Height 60mm x Width 80mm - Length 2 Meters	$42.78
LK4 60100	Duct Height 60mm x Width 100mm - Length 2 Meters	$48.54
LK4 60120	Duct Height 60mm x Width 120mm - Length 2 Meters	$52.51
LK4 80025	Duct Height 80mm x Width 25mm - Length 2 Meters	$30.68
LK4 80040	Duct Height 80mm x Width 40mm - Length 2 Meters	$31.76
LK4 80060	Duct Height 80mm x Width 60mm - Length 2 Meters	$38.30
LK4 80080	Duct Height 80mm x Width 80mm - Length 2 Meters	$44.70
LK4 80100	Duct Height 80mm x Width 100mm - Length 2 Meters	$51.10
LK4 80120	Duct Height 80mm x Width 120mm - Length 2 Meters	$63.78
LKV 100100	Duct Height 100mm x Width 100mm - Length 2 Meters	$66.74

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: OBO3

OPEN SLOTTED SWITCHBOARD TRUNKING WITH LOBES

LK4/N 80040

LK4/N 80060

LKV/N 100100

KSN 2

SG 2545

LK4/N 60025	Duct Height 60mm x Width 25mm - Length 2 Meters - with Lobes	$26.83
LK4/N 60040	Duct Height 60mm x Width 40mm - Length 2 Meters - with Lobes	$28.83
LK4/N 60060	Duct Height 60mm x Width 60mm - Length 2 Meters - with Lobes	$37.02
LK4/N 60080	Duct Height 60mm x Width 80mm - Length 2 Meters - with Lobes	$42.78
LK4/N 60100	Duct Height 60mm x Width 100mm - Length 2 Meters - with Lobes	$48.54
LK4/N 60120	Duct Height 60mm x Width 120mm - Length 2 Meters - with Lobes	$52.51
LK4/N 80025	Duct Height 80mm x Width 25mm - Length 2 Meters - with Lobes	$30.68
LK4/N 80040	Duct Height 80mm x Width 40mm - Length 2 Meters - with Lobes	$31.76
LK4/N 80060	Duct Height 80mm x Width 60mm - Length 2 Meters - with Lobes	$38.30
LK4/N 80080	Duct Height 80mm x Width 80mm - Length 2 Meters - with Lobes	$44.70
LK4/N 80100	Duct Height 80mm x Width 100mm - Length 2 Meters - with Lobes	$51.10
LK4/N 80120	Duct Height 80mm x Width 120mm - Length 2 Meters - with Lobes	$63.78
LKV/N 10037	Duct Height 100mm x Width 37.5mm - Length 2 Meters - with Lobes	$46.37
LKV/N 10050	Duct Height 100mm x Width 50mm - Length 2 Meters - with Lobes	$53.79
LKV/N 10075	Duct Height 100mm x Width 75mm - Length 2 Meters - with Lobes	$60.97
LKV/N 100100	Duct Height 100mm x Width 100mm - Length 2 Meters - with Lobes	$66.74
LK4/H	Cable Retaining Clamp for LK4 Type Trunking	$1.42
LKV/H	Cable Retaining Clamp for LKV Type Trunking	$1.42
KSN 2	Fixing Plastic Rivet - 6mm - packet of 100	$7.38
LK4/D 15	Spare Duct Cover or Trunking Lid - 15mm wide	$7.48
LK4/D 25	Spare Duct Cover or Trunking Lid - 25mm wide	$7.48
LK4/D 40	Spare Duct Cover or Trunking Lid - 40mm wide	$8.69
LK4/D 60	Spare Duct Cover or Trunking Lid - 60mm wide	$10.53
LK4/D 80	Spare Duct Cover or Trunking Lid - 80mm wide	$13.05
LK4/D 100	Spare Duct Cover or Trunking Lid - 100mm wide - only for LK4 Models	$17.44
LK4/D 120	Spare Duct Cover or Trunking Lid - 120mm wide	$21.76
LKV/D 37	Spare Duct Cover or Trunking Lid - 37mm wide	$8.69
LKV/D 50	Spare Duct Cover or Trunking Lid - 50mm wide	$8.84
LKV/D 75	Spare Duct Cover or Trunking Lid - 75mm wide	$12.11
LKV/D 100	Spare Duct Cover or Trunking Lid - 100mm wide - only for LKV Models	$17.24
SG 2545	Cutting Tool with 80mm Blade - Quick & Easy Trunking Cutter	$320.06

STRIPCONNECTORS

1102, 1122 & 1142

12230

1629

1102	Size 2.5mm², 12 Amp	$2.31
1122	Size 4-6mm², 20 Amp	$2.77
1142	Size 10mm², 25 Amp	$3.84
1152	Size 16mm², 32 Amp	$6.46
1606	Size 2.5mm², 12 Amp - with Wire Protector	$3.17
1626	Size 4mm², 20 Amp - with Wire Protector	$3.58
1636	Size 6mm², 20 Amp - with Wire Protector	$4.61
1646	Size 10mm², 25 Amp - with Wire Protector	$5.77
122300	DIN Rail Mounted Stripconnector - 7 Pole - 6mm², 25 Amp	$4.29
1609	12 Pole Plug-in Stripconnector with Screw Connection, 1.5mm², 10 Amps	$12.42
1629	12 Pole Plug-in Stripconnector with Screw Connection, 2.5mm², 16 Amps	$12.55
16292	Stripconnector 1629 - Socket only	$2.81
1682	12 Pole Stripconnector with Screw Connection, 4mm², 20 Amps	$1.65

DIN RAIL MOUNTED MULTIPOLE TERMINALS

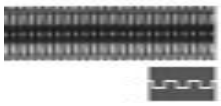
12548

12538	3 Pole, 4 Connections Per Pole, 25mm² Connections, 100 Amps	$41.50
12548	4 Pole, 4 Connections Per Pole, 25mm² Connections, 100 Amps	$52.14
12358	3 Pole, 4 and One of 8 Connections Per Pole, 25mm² Connections, 100 Amps	$63.91

SCREWLESS CONNECTORS WITH LEVERS

15402000	2 Pole Connector - 0.2 to 2.5mm² / 450V / 24 Amps - Box of 100	$62.00
15403000	3 Pole Connector - 0.2 to 2.5mm² / 450V / 24 Amps - Box of 100	$78.35
15405000	5 Pole Connector - 0.2 to 2.5mm² / 450V / 24 Amps - Box of 50	$61.45

FLEXIBLE CONDUIT - PA6-LL (IP68)



Flexible corrugated conduit made from high quality polyamide material. Temperature range of -45°C to +120°C (^+150°C) Air and liquid tight, resistant against acids and alkalis, highly resistant to solvents. UL & CSA Certified. Flame retarding - UV resistant - Halogen free.

Product Code	Size	O/D	Colour	Flexa code	Supply lengths	Price per Meter
PA6-LL-M10	M10	10.0mm	black	0267.202.006	25 / 50m	$2.08
PA6-LL-M12	M12	13.0 mm	black	0267.202.010	25 / 50m	$1.73
PA6-LL-M16	M16	15.8 mm	black	0267.202.012	25 / 50m	$2.29
PA6-LL-M20	M20	21.2 mm	black	0267.202.016	25 / 50m	$3.55
PA6-LL-M25	M25	28.5 mm	black	0267.232.023	25 / 50m	$4.80
PA6-LL-M32	M32	34.5 mm	black	0267.232.029	25m	$6.37
PA6-LL-M40	M40	42.5 mm	black	0267.232.036	25m	$12.04
PA6-LL-M50	M50	54.5 mm	black	0267.232.048	25m	$15.23

FLEXIBLE CONDUIT - PA6-L (IP68) - HIGH IMPACT / HEAVY DUTY

Flexible corrugated conduit made from high impact polyamide material. Temperature range of -40°C to +105°C (^+132°C) air & liquid tight, resistant against acids & alkalis, highly resistant to solvents. UL & CSA certified. Flame retarding - UV resistant - Halogen free.

Product Code	Size	O/D	Colour	Flexa code	Supply lengths	Price Per Meter
PA6-L-M12	M12	13.0mm	black	0261.202.010	25 / 50m	$3.83
PA6-L-M16	M16	15.8 mm	black	0261.202.012	25 / 50m	$4.69
PA6-L-M20	M20	21.2 mm	black	0261.202.016	25 / 50m	$7.19
PA6-L-M25	M25	28.5 mm	black	0261.232.023	25 / 50m	$11.43
PA6-L-M32	M32	34.5 mm	black	0261.232.029	25 m	$14.09
PA6-L-M40	M40	42.5 mm	black	0261.232.036	25 m	$19.95

STRAIGHT ADAPTORS (IP66)

Straight high quality polyamide adaptor with screw connection and patented quick-fit conduit connection. Temperature range of –30°C to +100°C. Air & liquid tight, highly resistant against acids & solvents, resistant to oil and benzene. Impact resistant - UV resistant - Halogen free.

Product Code	Size	Colour	Flexa Code	Packet Size	Price Each
RQG1-M12	M12	black	5020.055.212	50	$3.81
RQG1-M16	M16	black	5020.055.216	50	$3.77
RQG1-M20	M20	black	5020.055.220	50	$3.93
RQG1-M25	M25	black	5020.055.225	25	$6.98
RQG1-M32	M32	black	5020.055.232	25	$10.40
RQG1-M40	M40	black	5020.055.240	25	$17.29
RQG1-M50	M50	black	5020.055.250	10	$30.25
RQG1-M50/63	M50/M63 Thread	black	5020.055.263	10	$33.45

STRAIGHT ADAPTORS METRIC WITH LOCK NUT (IP66)

Straight high quality polyamide adaptor with screw connection and patented quick-fit conduit connection. Temperature range of –30°C to +100°C. Air & liquid tight, highly resistant against acids & solvents, resistant to oil and benzene. Impact resistant - UV resistant - Halogen free.

Product Code	Size	Colour	Flexa code	Packet Size	Price Each
RQG1-M16/LN	M16	black	with Lock Nut	50	$4.02
RQG1-M20/LN	M20	black	with Lock Nut	50	$4.26
RQG1-M25/LN	M25	black	with Lock Nut	25	$7.47
RQG1-M32/LN	M32	black	with Lock Nut	25	$10.93

PRESS-IN STRAIGHT ADAPTERS (IP66)

Straight high quality polyamide adaptor and patented quick-fit connection. Supplied with O-ring for installation without locknut with wall thickness of 1 to 2.5 mm. Temperature range of –30°C to +100°C. Resistant against impact, acids, solvents, oil and UV. Halogen free.

Product Code	Size	Colour	Flexa code	Bore hole Ø	Packet Size	Price Each
RQG1-S-M12	M12	black	5020.082.209	14.9 mm	50	$4.72
RQG1-S-M16	M16	black	5020.082.211	18.1 mm	50	$4.80
RQG1-S-M20	M20	black	5020.082.216	22.0 mm	50	$5.02
RQG1-S-M25	M25	black	5020.082.221	28.1 mm	25	$8.90
RQG1-S-M32	M32	black	5020.082.229	36.5 mm	25	$11.18

STRAIGHT ADAPTORS WITH METAL THREAD (IP67)

Straight high quality polyamide adaptor with nickel plated brass screw thread and patented quick-fit conduit connection. Temperature range of –30°C to +100°C. Air & liquid tight, resistant against acids, solvents, oil and benzene. Impact resistant - UV resistant - Halogen free.

Product Code	Size	Colour	Flexa code	Packet Size	Price Each
RQGK-M16/M20	M16 Conduit - M20 Thread	black	5107.015.220	50	$14.01
RQGK-M20	M20	black	5107.021.220	50	$16.80
RQGK-M25	M25	black	5107.028.225	25	$29.11
RQGK-M32	M32	black	5107.034.232	25	$34.93
RQGK-M40	M40	black	5107.042.240	10	$55.73
RQGK-M50	M50	black	5107.054.250	10	$68.05

STRAIGHT ADAPTORS WITH SPECIAL THREADS (IP66)

Product Code	Size	Colour	Flexa code	Packet size	Price Each
RQG1-M12/PG9	M12/PG9 Thread	black	5020.049.209	50	$4.50
RQG1-M12/M16	M12/M16 Thread	black	5020.055.214	50	$4.50
RQG1-M16/M20	M16/M20 Thread	black	5020.055.218	50	$4.63
RQG1-M16/PG11	M20/PG11 Thread	black	5020.049.211	50	$4.63
RQG1-M20/PG16	M20/PG16 Thread	black	5020.049.216	50	$5.79
RQG1-M20/M25	M20/M25 Thread	black	5020.055.222	50	$5.79

STRAIGHT ADAPTORS WITH SPECIAL METAL THREAD (IP66)

Straight high quality polyamide adaptor with nickel plated brass screw thread and patented quick-fit conduit connection. Temperature range of –30°C to +100°C. Air & liquid tight, resistant against acids, solvents, oil and benzene. Impact resistant - UV resistant - Halogen free.

Product Code	Size	Colour	Flexa code	Packet Size	Price Each
RQGK-M32/PG29	M32 - PG29 Thread	black	5020.074.229	50	$34.93

ANGLE ADAPTORS - STANDARD (IP66)

Angle high quality polyamide adaptor with screw connection and patented quick-fit conduit connection. Temperature range of –30°C to +100°C. Air & liquid tight, highly resistant against acids & solvents, resistant to oil and benzene. Impact resistant - UV resistant - Halogen free.

Product Code	Size	Colour	Flexa code	Packet size	Price Each
RQW1-M12	M12	black	5020.051.212	50	$8.33
RQW1-M16	M16	black	5020.051.218	50	$8.71
RQW1-M20	M20	black	5020.051.222	50	$9.41
RQW1-M25	M25	black	5020.051.228	25	$14.86
RQW1-M32	M32	black	5020.051.234	10	$21.51
RQW1-M40	M40	black	5020.051.242	10	$34.20
RQW1-M50	M50	black	5020.051.254	10	$44.52

ANGLE ADAPTORS - 90° & 45° (IP66)

Angle high quality polyamide adaptor with screw connection and patented quick-fit conduit connection. Temperature range of –30°C to +100°C. Air & liquid tight, highly resistant against acids & solvents, resistant to oil and benzene. Impact resistant - UV resistant - Halogen free.

Product Code	Size	Colour/Angle	Flexa code	Packet size	Price Each
RQB1-45-M20	M20	black/45°	5101.021.220	50	$10.03
RQB1-45-M25	M25	black/45°	5101.028.225	25	$15.78
RQB1-45-M32	M32	black/90°	5101.034.232	10	$22.81
RQB1-90-M20	M20	black/90°	5104.021.220	50	$9.49
RQB1-90-M25	M25	black/90°	5104.028.225	25	$14.84
RQB1-90-M32	M32	black/90°	5104.034.232	10	$22.81

ANGLE ADAPTORS - 45° & 90° WITH METAL THREAD (IP68)

Angle high quality polyamide adaptor with nickel plated brass and patented quick-fit conduit connection. Temperature range of –30°C to +100°C. Air & liquid tight, highly resistant against acids & solvents, resistant to oil and benzene. Impact resistant - UV resistant - Halogen free.

Product Code	Size	Colour/Angle	Flexa code	Packet size	Price Each
RQBK-45-M20	M20	black/45°	5102.021.220	50	$21.83
RQBK-45-M25	M25	black/45°	5102.028.225	25	$31.00
RQBK-90-M20	M20	black/90°	5105.021.220	50	$21.83
RQBK-90-M25	M25	black/90°	5105.028.225	25	$31.00

CONDUIT CLAMPS WITH COVER

One piece conduit clamp with centre fixing hole and ribbed fixing for strain relief of conduit. Made from high quality polyamide material. Temperature range of –30°C to 100°C. Different sizes can be joined alongside each other. UV resistant - Halogen free

Product Code	Conduit size	Conduit O/D	Colour	Flexa code	Packet Size	Price Each
RQS-M12	M12	13.0 mm	black	5030.020.209	50	$3.08
RQS-M16	M16	15.8 mm	black	5030.020.211	50	$3.14
RQS-M20	M20	21.2 mm	black	5030.020.216	50	$3.47
RQS-M25	M25	28.5 mm	black	5030.020.221	25	$3.89
RQS-M32	M32	34.5 mm	black	5030.020.229	25	$4.12
RQS-M40	M40	42.5 mm	black	5030.020.236	25	$5.72
RQS-M50	M50	54.5 mm	black	5030.020.248	10	$7.69

CONDUIT CLAMPS - PLAIN

Low cost one piece polyamide conduit clamp with centre fixing hole and ribbed fixing for strain relief of conduit. Temperature –30°C to 100°C. UV resistant - Halogen free. RQHD is the cover for RQH - supplied separately. RQHV product joins two RQH conduit clamps together.

Product Code	Conduit size	Conduit O/D	Colour	Flexa code	Packet Size	Price Each
RQH-M12	M12	13.0 mm	black	5030.025.209	50	$2.11
RQH-M16	M16	15.8 mm	black	5030.025.211	50	$2.16
RQH-M20	M20	21.2 mm	black	5030.025.216	50	$2.42
RQH-M25	M25	28.5 mm	black	5030.025.221	25	$3.34
RQH-M32	M32	34.5 mm	black	5030.025.229	25	$3.91
RQH-M40	M40	42.5 mm	black	5030.025.236	25	$5.34
RQHD-M12	M12	—	black	5030.026.209	50	$1.69
RQHD-M16	M16	—	black	5030.026.211	50	$1.69
RQHD-M20	M20	—	black	5030.026.216	50	$1.73
RQHD-M25	M25	—	black	5030.026.221	25	$1.77
RQHD-M32	M32	—	black	5030.026.229	25	$1.87
RQHD-M40	M40	—	black	5030.026.236	25	$1.95
RQHV	Joiner	—	black	5030.027.201	100	$0.95

CATALOGUE

Ask for your copy of the complete Flexa Flexible Conduit catalogue

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: F01

LOCKNUT - HIGH QUALITY PA

Locknut for screw connections made from high quality polyamide material. Temperature range of polyamide is –30°C to +100°C. UV resistant - Halogen free

Product Code	Size	Material	Colour	Flexa code	Packet size	Price Each
GMK-M12	M12	polyamide	black	0309.000.212	100	$0.50
GMK-M16	M16	polyamide	black	0309.000.216	100	$0.25
GMK-M20	M20	polyamide	black	0309.000.220	100	$0.31
GMK-M25	M25	polyamide	black	0309.000.225	100	$0.48
GMK-M32	M32	polyamide	black	0309.000.232	100	$0.55
GMK-M40	M40	polyamide	black	0309.000.240	50	$4.69
GMK-M50	M50	polyamide	black	0309.000.250	25	$5.84
GMK-M63	M63	polyamide	black	0309.000.263	10	$8.14

LOCKNUT - NICKEL PLATED BRASS

Locknut for screw connections made from nickel plated brass material.

Product Code	Size	Material	Flexa code	Packet size	Price Each
GM-M16	M16	Nickel plated brass	0531.000.016	100	$0.58
GM-M20	M20	Nickel plated brass	0531.000.020	100	$0.73
GM-M25	M25	Nickel plated brass	0531.000.025	100	$1.22
GM-M32	M32	Nickel plated brass	0531.000.032	100	$1.87
GM-M40	M40	Nickel plated brass	0531.000.040	100	$4.20
GM-M50	M50	Nickel plated brass	0531.000.050	100	$8.23
GM-PG29	PG29	Nickel plated brass	0530.000.029	100	$8.84

Y CONNECTOR (IP69K)

Y type connector made from thermoplastic elastomer (TPE) or polyamide (PA). TPE connectors have internal circular ribs which hold the conduit in place and provide excellent compensation for vibration. TPE connector temperature range is –40°C to +150°C. PA connectors have the patented quick-fit conduit connection. Temperature range of –30°C to 100°C. Both types include one fixing hole and are available in a combination of sizes. UV resistant - Halogen free

Product Code	Size	Conduit O/D	Material	Colour	Flexa code	Packet size	Price Each
RQY-3xM12	M12	13.0 mm	PA	black	5020.033.202	10	$15.89
RQY-2xM12/M16	M12/M16	13.0/15.8 mm	PA	black	5020.033.203	10	$16.06
RQY-3xM16	M16	15.8 mm	PA	black	5020.033.204	10	$17.82
RQY-2xM16/M20	M16/M20	15.8/21.2 mm	TPE	black	5020.033.206	10	$14.50
RQY-2xM16/M25	M16/M25	15.8/28.5 mm	TPE	black	5020.033.213	10	$15.29
RQY-3xM20	M20	21.2 mm	TPE	black	5020.033.207	10	$14.95
RQY-2xM20/M25	M20/M25	21.2/28.5 mm	TPE	black	5020.033.208	10	$16.51
RQY-2xM25/M32	M25/M32	28.5/34.5 mm	TPE	black	5020.033.209	10	$19.62
RQY-2xM32/M40	M32/M40	34.5/42.5 mm	TPE	black	5020.033.210	10	$24.26
RQY-2xM40/M50	M40/M50	42.5/54.5 mm	TPE	black	5020.033.211	5	$27.05

T CONNECTOR (IP69K)

T type connector made from thermoplastic elastomer (TPE). TPE connectors have internal circular ribs which holds the conduit in place and provides excellent compensation for vibration. Temperature range of –40°C to +150°C. Includes one fixing hole and is available in a combination of sizes. UV resistant - Halogen free.

Product Code	Size	Conduit O/D	Colour	Flexa code	Packet size	Price Each
RQT-3xM12	M12	13.0 mm	black	5020.067.207	10	$12.22
RQT-3xM16	M16	15.8 mm	black	5020.067.208	10	$12.77
RQT-3xM20	M20	21.2 mm	black	5020.067.201	10	$14.98
RQT-2xM20/M25	M20/M25	21.2/28.5 mm	black	5020.067.209	10	$16.51
RQT-2XM25/M16	M16/M25	15.8/28.5 mm	black	5020.067.213	10	$17.62
RQT-3xM25	M25	28.5 mm	black	5020.067.202	10	$18.81
RQT-2xM25/M32	M25/M32	28.5/34.5 mm	black	5020.067.210	10	$19.62
RQT-3xM32	M32	34.5 mm	black	5020.067.211	10	$22.18
RQT-3xM40	M40	42.5 mm	black	5020.067.212	10	$25.38

CONDUIT END CAP (IP67)

Conduit end cap made from thermoplastic elastomer (TPE). TPE connectors have internal circular ribs which holds the conduit in place. Temperature range of –40°C to +150°C. Provides excellent transition form conduit to cable. UV resistant - Halogen free

Product Code	Size	Conduit O/D	Colour	Flexa code	Packet size	Price Each
RQE-M12	M12	13.0 mm	black	5030.012.207	50	$2.36
RQE-M16	M16	15.8 mm	black	5030.012.211	50	$2.41
RQE-M20	M20	21.2 mm	black	5030.012.216	50	$2.82
RQE-M25	M25	28.5 mm	black	5030.012.221	25	$3.21
RQE-M32	M32	34.5 mm	black	5030.012.229	25	$3.79
RQE-M40	M40	42.5 mm	black	5030.012.236	25	$5.40
RQE-M50	M50	54.5 mm	black	5030.012.248	10	$6.81

CONDUIT JOINER (IP69K)

One piece conduit joiner made from thermoplastic elastomer (TPE). TPE connectors have internal circular ribs which holds the conduit in place and provides excellent compensation for vibration. Temperature range of –40°C to +150°C. UV resistant - Halogen free

Product Code	Size	Conduit O/D	Colour	Flexa code	Packet size	Price Each
RQK-M12	M12	13.0 mm	black	5020.066.207	10	$5.79
RQK-M16	M16	15.8 mm	black	5020.066.208	10	$6.04
RQK-M20	M20	21.2 mm	black	5020.066.201	10	$8.81
RQK-M25	M25	28.5 mm	black	5020.066.202	10	$9.03
RQK-M32	M32	34.5 mm	black	5020.066.203	10	$14.55
RQK-M40	M40	42.5 mm	black	5020.066.204	10	$16.46
RQK-M50	M50	54.5 mm	black	5020.066.205	10	$18.37

CONDUIT REDUCERS (IP69K)

One piece conduit joiner made from thermoplastic elastomer (TPE). TPE connectors have internal circular ribs which holds the conduit in place and provides excellent compensation for vibration. Temperature range of –40°C to +150°C. UV resistant - Halogen free

Product Code	Size	Conduit O/D	Colour	Flexa code	Packet size	Price Each
RQK-M16/M12	M16/M12	15.8/13.0 mm	black	5020.094.202	10	$6.01
RQK-M20/M16	M20/M16	21.2/15.8 mm	black	5020.094.209	10	$8.62
RQK-M25/M20	M25/M20	28.5/21.2 mm	black	5020.094.205	10	$8.89
RQK-M32/M25	M32/M25	34.5/28.5 mm	black	5020.094.206	10	$12.39
RQK-M40/M32	M40/M32	42.5/34.5 mm	black	5020.094.207	10	$16.06

CONNECTOR FIXING ANGLE

Passivated steel fixing angle for Metric type screw connections. Angle steel with through hole and two fastening holes.

Product Code	Size	Material	Flexa code	Packet size	Price Each
BW-M16	M16	Passivated steel	5010.031.016	25	$11.60
BW-M20	M20	Passivated steel	5010.031.020	25	$11.86
BW-M25	M25	Passivated steel	5010.031.025	25	$13.03
BW-M32	M32	Passivated steel	5010.031.032	25	$13.34
BW-M40	M40	Passivated steel	5010.031.040	25	$13.70
BW-M50	M50	Passivated steel	5010.031.050	25	$15.22

TUBE CLAMP

Galvanized steel with rubber profile tube clamp for securely holding a pipe with single fastening screw hole. Temperature range -20°C up to + 120°C

Product Code	Tube Ø	Product Marking	Flexa code	Packet size	Price Each
SKM-M10	9-10mm	10	0308.000.007	50	$2.02
SKM-M12	13-14mm	15	0308.000.009	50	$2.05
SKM-M16	15-17mm	18	0308.000.011	50	$2.07
SKM-M18	18-20mm	20	0308.000.013	50	$2.18
SKM-M20	20-22mm	22	0308.000.016	50	$2.38
SKM-M25	27-29mm	28	0308.000.021	50	$2.79
SKM-M32	34-37mm	35	0308.000.029	50	$3.63
SKM-M40	40-45mm	42	0308.000.036	25	$4.56
SKM-M50	54-57mm	54	0308.000.048	25	$6.05

ASSEMBLY INSTRUCTIONS

Cutting of conduit:
Cut the conduit between two ribs. More than one rib should not be passed while cutting the conduit. Flexa recommends the use of a cutting tool such as a knife or conduit cutter.

Assembly:
Push the conduit onto the connector until it cannot snap in any more and the connector can only be turned by force. The corrugated conduit pushes the claws of the adaptor between the ribs and this ensures a precise connection.

Disconnection:
This is achieved by pressing the ring toward the housing of the adaptor and then simply pulling the conduit out of the adaptor.

Conduit ratings:
In order to attain the IP ratings the above must be followed.

FURTHER INFORMATION

Ask for your copy of the complete Flexa Railway Technology catalogue

Ask for your copy of the Flexa Testing Methods technical catalogue

Ask for your copy of the Flexa High Temperature Solutions catalogue

IP68 GLAND SETS - BLACK - LONG

Product code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKV-L-12set	Polyamide Gland with Locknut	M12	Black (RAL 9005)	3 - 7mm	15mm	$1.70
ESKV-L-16set	Polyamide Gland with Locknut	M16	Black (RAL 9005)	4.5 - 10mm	15mm	$2.38
ESKV-L-20set	Polyamide Gland with Locknut	M20	Black (RAL 9005)	6 - 13mm	15mm	$2.81
ESKV-L-25set	Polyamide Gland with Locknut	M25	Black (RAL 9005)	9 - 17mm	15mm	$3.50
ESKV-L-32set	Polyamide Gland with Locknut	M32	Black (RAL 9005)	13 - 21mm	15mm	$6.92
ESKV-L-40set	Polyamide Gland with Locknut	M40	Black (RAL 9005)	16 - 28mm	18mm	$14.15
ESKV-L-50set	Polyamide Gland with Locknut	M50	Black (RAL 9005)	21 - 35mm	18mm	$21.31
ESKV-L-63set	Polyamide Gland with Locknut	M63	Black (RAL 9005)	34 - 48mm	18mm	$33.15

IP68 GLAND SETS - BLACK

Product code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKV12set	Polyamide Gland with Locknut	M12	Black (RAL 9005)	3 - 7mm	9mm	$1.70
ESKV16set	Polyamide Gland with Locknut	M16	Black (RAL 9005)	4.5 - 10mm	9mm	$2.38
ESKV20set	Polyamide Gland with Locknut	M20	Black (RAL 9005)	6 - 13mm	10mm	$2.81
ESKV25set	Polyamide Gland with Locknut	M25	Black (RAL 9005)	9 - 17mm	10mm	$3.50
ESKV32set	Polyamide Gland with Locknut	M32	Black (RAL 9005)	13 - 21mm	12mm	$6.92
ESKV40set	Polyamide Gland with Locknut	M40	Black (RAL 9005)	16 - 28mm	12mm	$14.15
ESKV50set	Polyamide Gland with Locknut	M50	Black (RAL 9005)	21 - 35mm	14mm	$21.31
ESKV63set	Polyamide Gland with Locknut	M63	Black (RAL 9005)	34 - 48mm	15mm	$33.15

IP68 GLAND SETS - GREY

Product code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKV12setGR	Polyamide Gland with Locknut	M12	Grey (RAL 7001)	3 - 7mm	9mm	$1.70
ESKV16setGR	Polyamide Gland with Locknut	M16	Grey (RAL 7001)	4.5 - 10mm	9mm	$2.38
ESKV20setGR	Polyamide Gland with Locknut	M20	Grey (RAL 7001)	6 - 13mm	10mm	$3.38
ESKV25setGR	Polyamide Gland with Locknut	M25	Grey (RAL 7001)	9 - 17mm	10mm	$3.50
ESKV32setGR	Polyamide Gland with Locknut	M32	Grey (RAL 7001)	13 - 21mm	12mm	$6.92

IP68 GLANDS - BLACK - LONG

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKV-L-12	Polyamide Gland	M12	Black (RAL 9005)	3 - 7mm	15mm	$1.70
ESKV-L-16	Polyamide Gland	M16	Black (RAL 9005)	4.5 - 10mm	15mm	$2.38
ESKV-L-20	Polyamide Gland	M20	Black (RAL 9005)	6 - 13mm	15mm	$2.81
ESKV-L-25	Polyamide Gland	M25	Black (RAL 9005)	9 - 17mm	15mm	$3.50
ESKV-L-32	Polyamide Gland	M32	Black (RAL 9005)	13 - 21mm	15mm	$6.92
ESKV-L-40	Polyamide Gland	M40	Black (RAL 9005)	16 - 28mm	18mm	$14.15
ESKV-L-50	Polyamide Gland	M50	Black (RAL 9005)	21 - 35mm	18mm	$21.31
ESKV-L-63	Polyamide Gland	M63	Black (RAL 9005)	34 - 48mm	18mm	$33.15

IP68 GLANDS - BLACK

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKV12	Polyamide Gland	M12	Black (RAL 9005)	3 - 7mm	9mm	$1.51
ESKV16	Polyamide Gland	M16	Black (RAL 9005)	4.5 - 10mm	9mm	$2.16
ESKV20	Polyamide Gland	M20	Black (RAL 9005)	6 - 13mm	10mm	$2.63
ESKV25	Polyamide Gland	M25	Black (RAL 9005)	9 - 17mm	10mm	$3.21
ESKV32	Polyamide Gland	M32	Black (RAL 9005)	13 - 21mm	12mm	$6.72
ESKV40	Polyamide Gland	M40	Black (RAL 9005)	16 - 28mm	12mm	$13.88
ESKV50	Polyamide Gland	M50	Black (RAL 9005)	21 - 35mm	14mm	$20.49
ESKV63	Polyamide Gland	M63	Black (RAL 9005)	34 - 48mm	15mm	$32.62

LOCKNUTS - BLACK

Product Code	Description	Size	Colour	Width	Price
EMUG-M12	Polyamide Locknut	M12	Black (RAL 9005)	5mm	$1.19
EMUG-M16	Polyamide Locknut	M16	Black (RAL 9005)	5mm	$1.35
EMUG-M20	Polyamide Locknut	M20	Black (RAL 9005)	5mm	$1.44
EMUG-M25	Polyamide Locknut	M25	Black (RAL 9005)	6mm	$2.01
EMUG-M32	Polyamide Locknut	M32	Black (RAL 9005)	6mm	$3.20
EMUG-M40	Polyamide Locknut	M40	Black (RAL 9005)	7mm	$4.95
EMUG-M50	Polyamide Locknut	M50	Black (RAL 9005)	7mm	$8.79
EMUG-M63	Polyamide Locknut	M63	Black (RAL 9005)	7mm	$12.24

IP68 GLANDS - GREY

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKV12 GR	Polyamide Gland	M12	Grey (RAL 7001)	3 - 7mm	9mm	$1.62
ESKV16 GR	Polyamide Gland	M16	Grey (RAL 7001)	4.5 - 10mm	9mm	$2.27
ESKV20 GR	Polyamide Gland	M20	Grey (RAL 7001)	6 - 13mm	10mm	$2.67
ESKV25 GR	Polyamide Gland	M25	Grey (RAL 7001)	9 - 17mm	10mm	$3.33
ESKV32 GR	Polyamide Gland	M32	Grey (RAL 7001)	13 - 21mm	12mm	$6.58

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: WI1

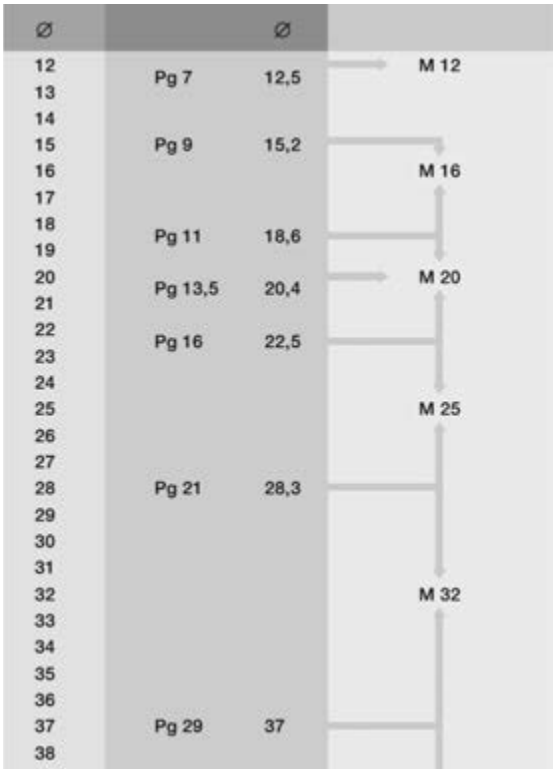
LOCKNUTS - GREY

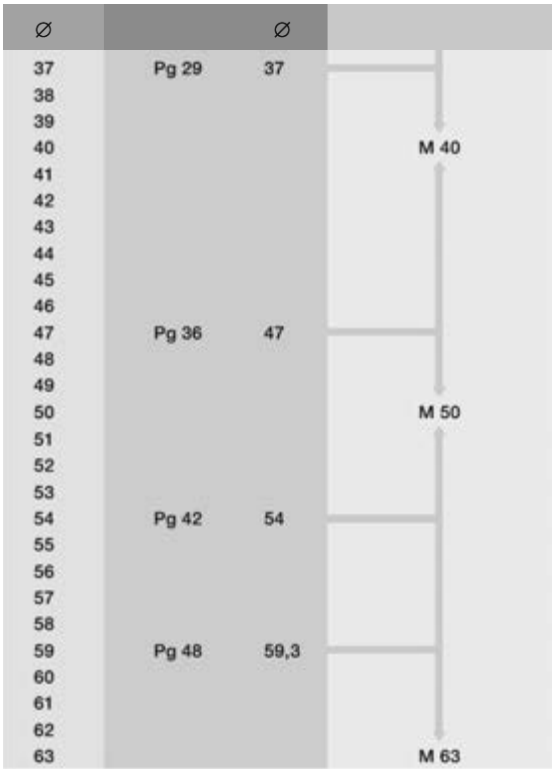
Product Code	Description	Size	Colour	Width	Price
EMUG-M12GR	Polyamide Locknut	M12	Grey (RAL 7001)	5mm	$1.19
EMUG-M16GR	Polyamide Locknut	M16	Grey (RAL 7001)	5mm	$1.35
EMUG-M20GR	Polyamide Locknut	M20	Grey (RAL 7001)	5mm	$1.44
EMUG-M25GR	Polyamide Locknut	M25	Grey (RAL 7001)	6mm	$2.13
EMUG-M32GR	Polyamide Locknut	M32	Grey (RAL 7001)	6mm	$2.88

PG IP68 GLANDS - LIGHT GREY

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
SKV7setLGR	Gland & Locknut	PG7	Light Grey (RAL 7035)	3 - 6mm	9mm	$2.24
SKV9setLGR	Gland & Locknut	PG9	Light Grey (RAL 7035)	4 - 8mm	9mm	$2.31
SKV11setLGR	Gland & Locknut	PG11	Light Grey (RAL 7035)	5 - 10mm	9mm	$2.56
SKV13.5setLGR	Gland & Locknut	PG13.5	Light Grey (RAL 7035)	6 - 12mm	10mm	$2.88
SKV16setLGR	Gland & Locknut	PG16	Light Grey (RAL 7035)	8 - 14mm	11mm	$3.33
SKV21setLGR	Gland & Locknut	PG21	Light Grey (RAL 7035)	10 - 18mm	11mm	$4.48
SKV29setLGR	Gland & Locknut	PG29	Light Grey (RAL 7035)	16 - 25mm	12mm	$9.23
SKV36setLGR	Gland & Locknut	PG36	Light Grey (RAL 7035)	22 - 32mm	14mm	$23.95
SKV42setLGR	Gland & Locknut	PG42	Light Grey (RAL 7035)	28 - 38mm	14mm	$26.91
SKV48setLGR	Gland & Locknut	PG48	Light Grey (RAL 7035)	36 - 44mm	15mm	$30.74

PG/METRIC CONVERSION GUIDE





IP68 GLAND SETS - NICKEL PLATED BRASS - LONG

Product Code	Description	Size	Material	Cable Ø	Thread Length	Price
EMSKV-L12set	Gland with Locknut	M12	Nickel Plated Brass	3 - 7mm	12mm	$12.11
EMSKV-L16set	Gland with Locknut	M16	Nickel Plated Brass	4.5 - 10mm	12mm	$14.76
EMSKV-L20set	Gland with Locknut	M20	Nickel Plated Brass	6 - 13mm	12mm	$18.22
EMSKV-L25set	Gland with Locknut	M25	Nickel Plated Brass	9 - 17mm	12mm	$31.00
EMSKV-L32set	Gland with Locknut	M32	Nickel Plated Brass	13 - 21mm	15mm	$51.10
EMSKV-L40set	Gland with Locknut	M40	Nickel Plated Brass	16 - 28mm	15mm	$82.33
EMSKV-L50set	Gland with Locknut	M50	Nickel Plated Brass	21 - 35mm	15mm	$108.38
EMSKV-L63set	Gland with Locknut	M63	Nickel Plated Brass	34 - 48mm	15mm	$240.15

IP68 GLANDS - NICKEL PLATED BRASS - LONG

Product Code	Description	Size	Material	Cable Ø	Thread Length	Price
EMSKV-L12	Gland	M12	Nickel Plated Brass	3 - 7mm	12mm	$11.42
EMSKV-L16	Gland	M16	Nickel Plated Brass	4.5 - 10mm	12mm	$13.82
EMSKV-L20	Gland	M20	Nickel Plated Brass	6 - 13mm	12mm	$17.04
EMSKV-L25	Gland	M25	Nickel Plated Brass	9 - 17mm	12mm	$29.11
EMSKV-L32	Gland	M32	Nickel Plated Brass	13 - 21mm	15mm	$48.53
EMSKV-L40	Gland	M40	Nickel Plated Brass	16 - 28mm	15mm	$77.67
EMSKV-L50	Gland	M50	Nickel Plated Brass	21 - 35mm	15mm	$98.91
EMSKV-L63	Gland	M63	Nickel Plated Brass	34 - 48mm	15mm	$226.50

IP68 GLANDS - NICKEL PLATED BRASS

Product Code	Description	Size	Material	Cable Ø	Thread Length	Price Each
EMSKV 12	Gland	M12	Nickel Plated Brass	3 - 7mm	5mm	$9.14
EMSKV 16	Gland	M16	Nickel Plated Brass	4.5 - 10mm	5mm	$11.04
EMSKV 20	Gland	M20	Nickel Plated Brass	6 - 13mm	6mm	$13.65
EMSKV 25	Gland	M25	Nickel Plated Brass	9 - 17mm	7mm	$23.31
EMSKV 32	Gland	M32	Nickel Plated Brass	13 - 21mm	8mm	$38.83
EMSKV 40	Gland	M40	Nickel Plated Brass	16 - 28mm	8mm	$62.12
EMSKV 50	Gland	M50	Nickel Plated Brass	21 - 35mm	9mm	$79.38
EMSKV 63	Gland	M63	Nickel Plated Brass	34 - 48mm	10mm	$181.20

LOCKNUTS NICKEL PLATED BRASS

Product Code	Description	Size	Material	Width	Price
EMMU12	Locknut	M12	Nickel Plated Brass	2.8mm	$0.73
EMMU16	Locknut	M16	Nickel Plated Brass	2.8mm	$1.00
EMMU20	Locknut	M20	Nickel Plated Brass	3mm	$1.25
EMMU25	Locknut	M25	Nickel Plated Brass	3.5mm	$1.99
EMMU32	Locknut	M32	Nickel Plated Brass	4mm	$2.73
EMMU40	Locknut	M40	Nickel Plated Brass	5mm	$4.91
EMMU50	Locknut	M50	Nickel Plated Brass	5mm	$9.64
EMMU63	Locknut	M63	Nickel Plated Brass	6mm	$14.40

GLAND ACCESSORIES

WISKA make power smile

MULTIPLE CABLE GLAND INSERTS - IP66

Product Code	Description	Gland Size	Cable No	Cable Ø	Price
MFD12/04/020	Thermoplastic Elastomer Insert	M12	2	0 - 2.0mm	$1.54
MFD16/02/040	Thermoplastic Elastomer Insert	M16	2	2.0 -4.0mm	$2.31
MFD20/02/060	Thermoplastic Elastomer Insert	M20	2	4.0 - 6.0mm	$3.20
MFD20/03/040	Thermoplastic Elastomer Insert	M20	3	2.5 - 4.0mm	$3.20
MFD25/01/065	Thermoplastic Elastomer Insert	M25	1	4.0 - 6.5mm	$3.35
MFD25/01/090	Thermoplastic Elastomer Insert	M25	1	7.0 - 9.0mm	$3.35
MFD25/02/080	Thermoplastic Elastomer Insert	M25	2	6.0 - 8.0mm	$3.35
MFD25/03/070	Thermoplastic Elastomer Insert	M25	3	5.0- 7.0mm	$4.03
MFD25/04/060	Thermoplastic Elastomer Insert	M25	4	4.0 - 6.0mm	$4.03
MFD32/04/070	Thermoplastic Elastomer Insert	M32	4	5.0 - 7.0mm	$4.87
MFD32/04/080	Thermoplastic Elastomer Insert	M32	4	6.0 - 8.0mm	$4.87
MFD32/06/060	Thermoplastic Elastomer Insert	M32	6	5.0 - 6.0mm	$4.87
MFD40/04/100	Thermoplastic Elastomer Insert	M40	4	8.0 -10mm	$5.57
MFD40/07/070	Thermoplastic Elastomer Insert	M40	7	5.0 - 7.0mm	$5.57
MFD40/07/080	Thermoplastic Elastomer Insert	M40	7	6.0 - 8.0mm	$5.57
MFD40/08/060	Thermoplastic Elastomer Insert	M40	8	5.0 - 6.0mm	$5.57
MFD50/09/080	Thermoplastic Elastomer Insert	M50	9	6.0 - 8.0mm	$6.34
MFD50/25/050	Thermoplastic Elastomer Insert	M50	25	4.0 - 5.0mm	$6.34
MFD63/01/131-01	Thermoplastic Elastomer Insert	M63	7 (various sizes)	6.0 - 13mm	$7.00
MFD63/02/065-01	Thermoplastic Elastomer Insert	M63	3 (varous sizes)	5.0 - 9.0mm	$7.00
MFD63/03/065	Thermoplastic Elastomer Insert	M63	3	5.0 - 6.5mm	$7.00

MULTIPLE CABLE SPLIT GLAND INSERTS - IP66

GFD20/01/015	Thermoplastic Elastomer Split Insert	M20	1	0 - 1.5mm	$3.33
GFD25/01/060	Thermoplastic Elastomer Split Insert	M25	1	4.0 - 6.0mm	$4.10
GFD32/01/045-01	Thermoplastic Elastomer Split Insert	M32	2	4.5 & 8.5mm	$4.95
GFD50/01/080	Thermoplastic Elastomer Split Insert	M50	1	6.0 - 8.0mm	$6.44
GFD63/01/090	Thermoplastic Elastomer Split Insert	M63	1	7.0 - 9.0mm	$8.37
GFD63/02/065-01	Thermoplastic Elastomer Split Insert	M63	3 (various sizes)	6.5 & 9.0mm	$8.37
GFD63/03/065	Thermoplastic Elastomer Split Insert	M63	3	4.0 - 6.5mm	$8.37

SPECIAL CABLE GLAND INSERTS - IP66

FFD20/01/510	Flat Cable INsert	M20	1	TPS	$2.75
FFD20/1/713	Flat Cable INsert	M20	1	TPS	$3.33
SFD 20/01/ASI	ASi BUS Cable Insert	M20	1	ASi Cable	$3.33

MFD BLIND SEALING PLUGS

Product Code	Description	Colour	Size Ø	Length	Price
BS2	Polyamide Blind Plug for MFD Seals	Red	2mm	12mm	$0.99
BS3	Polyamide Blind Plug for MFD Seals	Red	3mm	12mm	$0.99
BS4	Polyamide Blind Plug for MFD Seals	Red	4mm	12mm	$0.99
BS5	Polyamide Blind Plug for MFD Seals	Red	5mm	12mm	$0.99
BS6	Polyamide Blind Plug for MFD Seals	Red	6mm	16mm	$0.99
BS7	Polyamide Blind Plug for MFD Seals & M12 Glands	Red	7mm	16mm	$0.99
BS8	Polyamide Blind Plug for MFD Seals	Red	8mm	16mm	$1.01
BS9	Polyamide Blind Plug for MFD Seals	Red	9mm	16mm	$1.32
BS10	Polyamide Blind Plug for MFD Seals & M16 Glands	Red	10mm	16mm	$1.32
BS12	Polyamide Blind Plug for MFD Seals	Red	12mm	22mm	$1.32
BS13	Polyamide Blind Plug for M20 Glands	Red	13mm	22mm	$1.41
BS17	Polyamide Blind Plug for M25 Glands	Red	17mm	17mm	$1.48
BS21	Polyamide Blind Plug for M32 Glands	Red	21mm	30mm	$1.56
BS28	Polyamide Blind Plug for M40 Glands	Red	28mm	30mm	$1.72
BS38	Polyamide Blind Plug for M50 Glands	Red	38mm	35mm	$2.12
BS48	Polyamide Blind Plug for M63 Glands	Red	48mm	35mm	$2.32

REDUCING INSERTS - IP68

Product Code	Description	Gland Size	Colour	Cable Ø	Price
RDE12	Reducing Insert - EPDM material	M12	Black	1.0 - 3.0mm	$0.46
RDE16	Reducing Insert - EPDM material	M16	Black	2.0 -6.0mm	$0.50
RDE20	Reducing Insert - EPDM material	M20	Black	4.0 - 8.0mm	$0.53
RDE25	Reducing Insert - EPDM material	M25	Black	7.0-12mm	$0.69
RDE32	Reducing Insert - EPDM material	M32	Black	9.0 - 14mm	$1.53
RDE40	Reducing Insert - EPDM material	M40	Black	12 - 20mm	$3.59
RDE50	Reducing Insert - EPDM material	M50	Black	16 - 25mm	$4.99
RDE63	Reducing Insert - EPDM material	M63	Black	28 - 38mm	$5.47

GLAND THREAD GASKETS

Product Code	Description	Gland Size	Colour	Thickness	Price
EADR12	Gland Thread Gasket	M12	Black	2mm	$0.31
EADR16	Gland Thread Gasket	M16	Black	2mm	$0.31
EADR20	Gland Thread Gasket	M20	Black	2mm	$0.36
EADR25	Gland Thread Gasket	M25	Black	2mm	$0.36
EADR32	Gland Thread Gasket	M32	Black	2mm	$0.50
EADR40	Gland Thread Gasket	M40	Black	2mm	$0.55
EADR50	Gland Thread Gasket	M50	Black	2mm	$0.86
EADR63	Gland Thread Gasket	M63	Black	2mm	$1.03

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: WI1

POLYAMIDE REDUCERS - LIGHT GREY - METRIC

Product code	Description	Outer	Inner	Colour	Thread Length	Price
KRM 16/12	Polyamide Reducer	M16	M12	Light Grey (RAL 7035)	9mm	$0.76
KRM 20/12	Polyamide Reducer	M20	M12	Light Grey (RAL 7035)	9mm	$0.79
KRM 20/16	Polyamide Reducer	M20	M16	Light Grey (RAL 7035)	9mm	$0.79
KRM 25/12	Polyamide Reducer	M25	M12	Light Grey (RAL 7035)	10mm	$1.45
KRM 25/16	Polyamide Reducer	M25	M16	Light Grey (RAL 7035)	10mm	$1.45
KRM 25/20	Polyamide Reducer	M25	M20	Light Grey (RAL 7035)	10mm	$1.45
KRM 32/16	Polyamide Reducer	M32	M16	Light Grey (RAL 7035)	12mm	$2.77
KRM 32/20	Polyamide Reducer	M32	M20	Light Grey (RAL 7035)	12mm	$2.77
KRM 32/25	Polyamide Reducer	M32	M25	Light Grey (RAL 7035)	12mm	$2.77
KRM 40/20	Polyamide Reducer	M40	M20	Light Grey (RAL 7035)	12mm	$5.36
KRM 40/25	Polyamide Reducer	M40	M25	Light Grey (RAL 7035)	12mm	$5.36
KRM 40/32	Polyamide Reducer	M40	M32	Light Grey (RAL 7035)	12mm	$5.36
KRM 50/25	Polyamide Reducer	M50	M25	Light Grey (RAL 7035)	14mm	$7.25
KRM 50/32	Polyamide Reducer	M50	M32	Light Grey (RAL 7035)	14mm	$7.25
KRM 50/40	Polyamide Reducer	M50	M40	Light Grey (RAL 7035)	14mm	$7.25
KRM 63/32	Polyamide Reducer	M63	M32	Light Grey (RAL 7035)	15mm	$8.51
KRM 63/40	Polyamide Reducer	M63	M40	Light Grey (RAL 7035)	15mm	$8.51
KRM 63/50	Polyamide Reducer	M63	M50	Light Grey (RAL 7035)	15mm	$8.51

PG TYPE POLYAMIDE REDUCERS - LIGHT GREY

Product code	Description	Outer	Inner	Colour	Thread Length	Price
KRP9/7	PG Type Polyamide Reducer	PG9	PG7	Light Grey (RAL 7035)	9mm	$0.71
KRP11/9	PG Type Polyamide Reducer	PG11	PG9	Light Grey (RAL 7035)	9mm	$1.09
KRP13.5/9	PG Type Polyamide Reducer	PG13.5	PG9	Light Grey (RAL 7035)	10mm	$1.36
KRP13.5/11	PG Type Polyamide Reducer	PG13.5	PG11	Light Grey (RAL 7035)	10mm	$1.03
KRP16/11	PG Type Polyamide Reducer	PG16	PG11	Light Grey (RAL 7035)	10mm	$1.36
KRP16/13.5	PG Type Polyamide Reducer	PG16	PG13.5	Light Grey (RAL 7035)	10mm	$1.24
KRP21/16	PG Type Polyamide Reducer	PG21	PG16	Light Grey (RAL 7035)	12mm	$3.11
KRP29/21	PG Type Polyamide Reducer	PG29	PG21	Light Grey (RAL 7035)	12mm	$5.54

POLYAMIDE ADAPTORS - PG TO METRIC

Product code	Description	Outer	Inner	Colour	Thread Length	Price
APM16/20	Polyamide Adaptor	PG16	M20	Light Grey (RAL 7035)	10mm	$3.03
APM36/40	Polyamide Adaptor	PG36	M40	Light Grey (RAL 7035)	14mm	$4.70

NICKEL PLATED BRASS REDUCERS - METRIC

Product Code	Description	Outer	Inner	Thread Length	Price
MRM16/12	Nickel Plated Brass Reducer	M16	M12	5mm	$1.96
MRM20/12	Nickel Plated Brass Reducer	M20	M12	6mm	$3.54
MRM20/16	Nickel Plated Brass Reducer	M20	M16	6mm	$2.99
MRM25/16	Nickel Plated Brass Reducer	M25	M16	7mm	$6.19
MRM25/20	Nickel Plated Brass Reducer	M25	M20	7mm	$4.54
MRM32/20	Nickel Plated Brass Reducer	M32	M20	8mm	$8.32
MRM32/25	Nickel Plated Brass Reducer	M32	M25	8mm	$6.94
MRM40/25	Nickel Plated Brass Reducer	M40	M25	8mm	$18.87
MRM40/32	Nickel Plated Brass Reducer	M40	M32	8mm	$11.36
MRM50/32	Nickel Plated Brass Reducer	M50	M32	9mm	$22.10
MRM50/40	Nickel Plated Brass Reducer	M50	M40	9mm	$22.73
MRM63/40	Nickel Plated Brass Reducer	M63	M40	10mm	$35.36
MRM63/50	Nickel Plated Brass Reducer	M63	M50	10mm	$31.57

NICKEL PLATED BRASS ADAPTORS - PG TO METRIC

Product Code	Description	Outer	Inner	Thread Length	Price
AMPM-13.5/20	Nickel Plated Brass Adaptor	PG13.5	M20	6.5mm	$15.13
AMPM-16/20	Nickel Plated Brass Adaptor	PG16	M20	6.5mm	$13.29
AMPM-16/25	Nickel Plated Brass Adaptor	PG16	M25	6.5mm	$17.48
AMPM-21/25	Nickel Plated Brass Adaptor	PG21	M25	7mm	$27.85
AMPM-21/32	Nickel Plated Brass Adaptor	PG21	M32	7mm	$78.29
AMPM-29/40	Nickel Plated Brass Adaptor	PG29	M40	8mm	$63.74

NICKEL BRASS EARTH TAGS - METRIC

Product code	Description	Size	Price
OSET16	Brass Earth Tag	M16	$5.20
OSET20	Brass Earth Tag	M20	$5.85
OSET25	Brass Earth Tag	M25	$7.58
OSET32	Brass Earth Tag	M32	$10.40
OSET40	Brass Earth Tag	M40	$15.85
OSET50	Brass Earth Tag	M50	$22.28
OSET63	Brass Earth Tag	M63	$43.33

VENTGLAND SERIES

WISKA make power smile

IP69K VENTGLAND SERIES - BREATHES & SEALS

VENTGLAND SYSTEM

The cable gland has a micro-porous, liquid-tight PTFE membrane that literally lets the casing breathe, which then compensates different pressures inside and outside the casing. Hence, condensation is reduced to a minimum while the high-tech membrane seals the VentGLAND in such a way that dirt and water can not penetrate into the inside of the casing. VentGLAND meets the high requirements of IP69K.

Your benefits from VentGLAND are that the cable gland and pressure compensation in one device and that it reduces condensation to a minimum. There are great cost savings due to the following reasons: no extra components, no extra installation, no extra drilling.

Also available in Nickel Plated Brass, Stainless Steel & EMC versions.

IP69K VENTGLAND SETS

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESVG20set	Ventgland with Locknut	M20	Black (RAL 9005)	6 - 13mm	10mm	$27.99
ESVG25set	Ventgland with Locknut	M25	Black (RAL 9005)	9 - 17mm	10mm	$38.04
ESVG32set	Ventgland with Locknut	M32	Black (RAL 9005)	13 - 21mm	12mm	$53.31

IP69K VENTGLANDS

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESVG20	Ventgland	M20	Black (RAL 9005)	6 - 13mm	10mm	$27.74
ESVG25	Ventgland	M25	Black (RAL 9005)	9 - 17mm	10mm	$37.70
ESVG32	Ventgland	M32	Black (RAL 9005)	13 - 21mm	12mm	$52.51

IP69K VENTPLUG SERIES

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
EVPS12set	Ventplug with Locknut	M12	Black (RAL 9005)	N/A	9mm	$6.82
EVPS12	Ventplug	M12	Black (RAL 9005)	N/A	9mm	$6.46

IP68 SPIRAL GLAND SETS - BLACK

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKVS-L-12set	Spiral Gland with Lock Nut	M12	Black (RAL 9005)	3 - 7mm	15mm	$4.10
ESKVS-L-16set	Spiral Gland with Lock Nut	M16	Black (RAL 9005)	4.5 - 10mm	15mm	$4.96
ESKVS-L-20set	Spiral Gland with Lock Nut	M20	Black (RAL 9005)	6 - 13mm	15mm	$6.76
ESKVS-L-25set	Spiral Gland with Lock Nut	M25	Black (RAL 9005)	9 - 17mm	15mm	$10.23
ESKVS-L-32set	Spiral Gland with Lock Nut	M32	Black (RAL 9005)	13 - 21mm	15mm	$16.70

IP68 SPIRAL GLAND SETS - LIGHT GREY

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
ESKVS-L-12setGr	Spiral Gland with Lock Nut	M12	Light Grey (RAL 7035)	3 - 7mm	15mm	$4.10
ESKVS-L-16setGr	Spiral Gland with Lock Nut	M16	Light Grey (RAL 7035)	4.5 - 10mm	15mm	$4.96
ESKVS-L-20setGr	Spiral Gland with Lock Nut	M20	Light Grey (RAL 7035)	6 - 13mm	15mm	$6.76
ESKVS-L-25setGr	Spiral Gland with Lock Nut	M25	Light Grey (RAL 7035)	9 - 17mm	15mm	$10.23
ESKVS-L-32setGr	Spiral Gland with Lock Nut	M32	Light Grey (RAL 7035)	13 - 21mm	15mm	$16.70

IP66 QUIXX GLANDS - STANDARD - GREY/WHITE

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
EMT16	Membrane Gland	M16	Light Grey / White	1 - 9mm	11mm	$1.94
EMT20	Membrane Gland	M20	Light Grey / White	1 - 13mm	11mm	$2.19
EMT25	Membrane Gland	M25	Light Grey / White	1 - 18mm	11mm	$3.02
EMT32	Membrane Gland	M32	Light Grey / White	1 - 25mm	11mm	$4.03

IP66 QUIXX GLANDS - FLAME RETARDANT - WHITE

Product Code	Description	Size	Colour	Cable Ø	Thread Length	Price
EMT-F16	Membrane Gland	M16	White	1 - 9mm	11mm	$2.65
EMT-F20	Membrane Gland	M20	White	1 - 13mm	11mm	$2.93
EMT-F25	Membrane Gland	M25	White	1 - 18mm	11mm	$4.09
EMT-F32	Membrane Gland	M32	White	1 - 25mm	11mm	$7.32

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: WI1

STOP ENDS

IP56 METRIC STOP ENDS - LIGHT GREY

Product Code	Description	Size	Colour	Thread Length	Price
EVSG12	Stop End - Polyamide	M12	Light Grey (RAL 7035)	6mm	$0.26
EVSG16	Stop End - Polyamide	M16	Light Grey (RAL 7035)	6mm	$0.27
EVSG20	Stop End - Polyamide	M20	Light Grey (RAL 7035)	6mm	$0.28
EVSG25	Stop End - Polyamide	M25	Light Grey (RAL 7035)	8mm	$0.39
EVSG32	Stop End - Polyamide	M32	Light Grey (RAL 7035)	8mm	$0.70

IP56 PG STOP ENDS - LIGHT GREY

Product Code	Description	Size	Colour	Thread Length	Price
VSG-11	Stop End - Polyamide	PG11	Light Grey (RAL 7035)	6mm	$0.45
VSG-13.5	Stop End - Polyamide	PG13.5	Light Grey (RAL 7035)	6mm	$0.51
VSG-16	Stop End - Polyamide	PG16	Light Grey (RAL 7035)	6mm	$0.58
VSG-21	Stop End - Polyamide	PG21	Light Grey (RAL 7035)	8mm	$0.71
VSG-29	Stop End - Polyamide	PG29	Light Grey (RAL 7035)	8mm	$1.22

IP54 METRIC NICKEL PLATED BRASS STOP ENDS

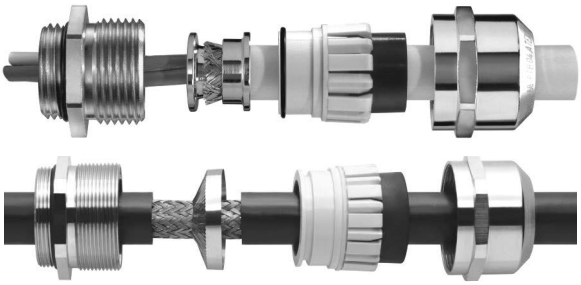
Product Code	Description	Size	Colour	Thread Length	Price
EMVS12	Stop End	M12	Nickel Plated Brass	5mm	$1.14
EMVS16	Stop End	M16	Nickel Plated Brass	5mm	$1.54
EMVS20	Stop End	M20	Nickel Plated Brass	6.5mm	$1.95
EMVS25	Stop End	M25	Nickel Plated Brass	7mm	$3.09
EMVS32	Stop End	M32	Nickel Plated Brass	8mm	$4.18

WISKA INDUSTRY CATALOGUE

Ask for your copy of the complete Wiska Cable Gland Catalogue.

EMC CABLE GLANDS

TECHNICAL INFORMATION



For Electromagnetic protection there is no better solution than what Wiska can offer. They have complete 360° connection of the cable shield with the lowest ohmic and inductive resistance of any gland system.

The EMC glands from Wiska are a high performance and safe solution that can be relied on in the harshest of environments.

IP68 EMC GLANDS WITH EARTHING CONE - NICKEL PLATED BRASS

Product Code	Description	Size	Cable Ø	Shield Ø	Thread Length	Price
EMSKV-L-12-EMV-Z	EMC Gland	M12	3 - 7mm	5mm	12mm	$29.56
EMSKV-L-16-EMV-Z	EMC Gland	M16	4.5 - 10mm	7.5mm	12mm	$35.62
EMSKV-L-20-EMV-Z	EMC Gland	M20	6 - 13mm	9.5mm	12mm	$50.75
EMSKV-L-25-EMV-Z	EMC Gland	M25	9 - 17mm	14.5mm	12mm	$66.64
EMSKV-L-32-EMV-Z	EMC Gland	M32	13 - 21mm	20mm	15mm	$111.97
EMSKV-L-40-EMV-Z	EMC Gland	M40	16 - 28mm	26mm	15mm	$161.13
EMSKV-L-50-EMV-Z	EMC Gland	M50	21 - 35mm	33mm	15mm	$325.88
EMSKV-L-63-EMV-Z	EMC Gland	M63	34 - 48mm	45mm	15mm	$469.73

IP68 EMC GLANDS WITH STAINLESS STEEL SPRING INSERT - NICKEL PLATED BRASS

Product Code	Description	Size	Cable Ø	Shield Ø	Thread Length	Price
EMSKV-L-12-EMV-S	EMC Gland	M12	3 - 7mm	5mm	12mm	$27.13
EMSKV-L-16-EMV-S	EMC Gland	M16	4.5 - 10mm	7.5mm	12mm	$40.04
EMSKV-L-20-EMV-S	EMC Gland	M20	6 - 13mm	9.5mm	12mm	$49.17
EMSKV-L-25-EMV-S	EMC Gland	M25	9 - 17mm	14.5mm	12mm	$55.53
EMSKV-L-32-EMV-S	EMC Gland	M32	13 - 21mm	20mm	15mm	$105.24
EMSKV-L-40-EMV-S	EMC Gland	M40	16 - 28mm	26mm	15mm	$161.13
EMSKV-L-50-EMV-S	EMC Gland	M50	21 - 35mm	33mm	15mm	$325.88
EMSKV-L-63-EMV-S	EMC Gland	M63	34 - 48mm	45mm	15mm	$469.73

EMC LOCKNUTS WITH EARTHING CLAWS - NICKEL PLATED BRASS

Product Code	Description	Size	Width	Price
EMMU-EMV-12	EMC Lock Nut	M12	4.7mm	$3.24
EMMU-EMV-16	EMC Lock Nut	M16	4.7mm	$3.45
EMMU-EMV-20	EMC Lock Nut	M20	4.7mm	$4.46
EMMU-EMV-25	EMC Lock Nut	M25	5.2mm	$5.19
EMMU-EMV-32	EMC Lock Nut	M32	5.7mm	$8.94
EMMU-EMV-40	EMC Lock Nut	M40	6.5mm	$13.84
EMMU-EMV-50	EMC Lock Nut	M50	7mm	$25.31
EMMU-EMV-63	EMC Lock Nut	M63	7mm	$30.05

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: WI1

FURTHER PRODUCTS AVAILABLE

MARINE INDUSTRY

Wiska is your expert for Marine lighting, electrical search lights and CCTV products for seagoing vessels. Wiska products meet the highest quality and safety standards

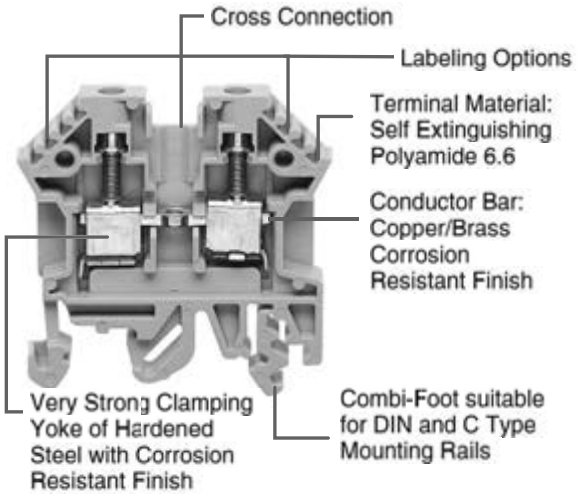
VARITAIN

Varitain Reefer sockets stand out in their quality, long service life and cost efficiency. With high quality manufacturing and numerous product innovation the Wiska Varitain system is synonymous for reefer sockets worldwide

WISKA EX

Wiska have a very comprehensive range of Ex lighting and electrical products. The Wiska Ex programme includes Cable Junction Boxes, switches and sockets, along with a large range of light fitting and cable gland solutions

TECHNICAL INFORMATION



SCREW CONNECTION SYSTEM (RK)

Using the strain relief clamp method, the wire is pressed against the contact rail indirectly by the screw and the clamp. This system produces a gastight connection between the wire and the contact rail. Due to its construction, the strain relief clamp offers the highest contact force and the lowest drop in voltage. The strain relief clamp is made of galvanized case-hardened, corrosion treated steel giving a higher security than other materials. Arguments for the Conta-Clip RK screw terminals are: Highest contact force/contact security, lowest drop in voltage. Connection range 0.08 to 240 mm².

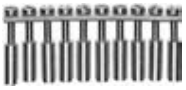
Please ask for a copy of the Conta-Clip Terminal Catalogue

2.5 mm² SCREW TERMINALS

RK2.5

RK2.5BL

ES35



Q10(2.5)

RK2.5	Single Level 2.5mm² Terminal Block	$1.99
RK2.5/35 N/2Q	Single Level 2.5mm² Terminal Block for Z Type (ZQI2.5/..) Bars - TS35 Rail	$2.24
RK2.5B	Single Level 2.5mm² Terminal Block (Blue)	$2.12
RK2.5R	Single Level 2.5mm² Terminal Block (Red)	$2.12
RK2.5Y	Single Level 2.5mm² Terminal Block (Yellow)	$2.12
RK2.5W	Single Level 2.5mm² Terminal Block (White)	$2.12
RK2.5O	Single Level 2.5mm² Terminal Block (Orange)	$2.12
RK2.5BL	Single Level 2.5mm² Terminal Block (Black)	$2.12
RK2.5G	Single Level 2.5mm² Terminal Block (Green)	$2.12
AP2.5-10	End Cover for RK2.5, RK2.5-4 & RK6-10	$0.90
TW2.5-10	Partition Plate for RK2.5, RK2.5-4 & RK6-10	$1.02
TRS3	Terminal Insulation Plate for RK1.5-4/15, RK2.5, RKD2.5 & RKD4	$0.31
ES35	Small DIN Rail End Clamp	$1.28
AD1/5	Terminal Cover for RK2.5	$1.02
Q2(2.5)	2 Pole Cross Connection Bridge (2567.0)	$1.69
Q3(2.5)	3 Pole Cross Connection Bridge (2568.0)	$2.37
Q10(2.5)	10 Pole Cross Connection Bridge (2570.0)	$6.54
Q0.5M(2.5)	100 (approximately) Pole Cross Connection Bridge (2152.0)	$58.81

For more terminal options please check Accessories Pages

4 mm² SCREW TERMINALS

RK2.5-4/35

RK2.5-4Y

Q4(4)

RK2.5-4	Single Level 4mm² Terminal Block	$2.05
RK2.5-4/35	Single Level 4mm² Terminal Block - TS35 DIN Rail only	$2.05
RK2.5-4B	Single Level 4mm² Terminal Block (Blue)	$2.17
RK2.5-4/35B	Single Level 4mm² Terminal Block (Blue) - TS35 DIN Rail only	$2.17
RK2.5-4R	Single Level 4mm² Terminal Block (Red)	$2.17
RK2.5-4Y	Single Level 4mm² Terminal Block (Yellow)	$2.17
RK2.5-4W	Single Level 4mm² Terminal Block (White)	$2.17
RK2.5-4O	Single Level 4mm² Terminal Block (Orange)	$2.17
RK2.5-4BL	Single Level 4mm² Terminal Block (Black)	$2.17
RK2.5-4G	Single Level 4mm² Terminal Block (Green)	$2.17
AP2.5-10	End Cover for RK2.5, RK2.5-4 & RK6-10	$0.90
TW2.5-10	Partition Plate for RK2.5, RK2.5-4 & RK6-10	$1.02
ES35	Small DIN Rail End Clamp	$1.28
AD1/6	Terminal Cover for RK2.5	$1.02
QI2(4)	2 Pole Insulated Cross Connection Bridge (2740.2)	$2.07
QI3(4)	3 Pole Insulated Cross Connection Bridge (2741.2)	$2.90
QI4(4)	4 Pole Insulated Cross Connection Bridge (2742.2)	$4.27
QI10(4)	10 Pole Insulated Cross Connection Bridge (2743.2)	$8.63
Q2(4)	2 Pole Cross Connection Bridge (2019.0)	$1.69
Q3(4)	3 Pole Cross Connection Bridge (2020.0)	$2.39
Q10(4)	10 Pole Cross Connection Bridge (2022.0)	$7.24
Q0.5M(4)	83 (approximately) Pole Cross Connection Bridge (2153.0)	$49.31

For more terminal options please check Accessories Pages

6-10 mm² SCREW TERMINALS

RK6-10

RK6-10/35

RK6-10	Single Level 10mm² Terminal Block	$3.07
RK6-10/35	Single Level 10mm² Terminal Block - TS35 DIN Rail only	$3.07
RK6-10B	Single Level 10mm² Terminal Block (Blue)	$3.20
RK6-10/35B	Single Level 10mm² Terminal Block (Blue) - TS35 DIN Rail only	$3.20
RK6-10R	Single Level 10mm² Terminal Block (Red)	$3.20
RK6-10Y	Single Level 10mm² Terminal Block (Yellow)	$3.20
RK6-10W	Single Level 10mm² Terminal Block (White)	$3.20
RK6-10O	Single Level 10mm² Terminal Block (Orange)	$3.20
RK6-10BL	Single Level 10mm² Terminal Block (Black)	$3.20
RK6-10G	Single Level 10mm² Terminal Block (Green)	$3.20
AP2.5-10	End Cover for RK2.5, RK2.5-4 & RK6-10	$0.90
TW2.5-10	Partition Plate for RK2.5, RK2.5-4 & RK6-10	$1.02

RK 6-10 Series Terminals continue on next page

6-10 mm² SCREW TERMINALS - continued

Q3I(10)

Bridges installed

TRS1	Terminal Insulation Plate for RK2.5-4, RK6-10, RK16 & PTK	$0.27
ES35	Small DIN Rail End Clamp	$1.28
AD1/8	Terminal Cover for RK6-10	$1.19
QI2(10)	2 Pole Insulated Cross Connection Bridge (2750.2)	$2.79
QI3(10)	3 Pole Insulated Cross Connection Bridge (2751.1)	$4.19
QI4(10)	4 Pole Insulated Cross Connection Bridge (2752.2)	$5.40
QI10(10)	10 Pole Insulated Cross Connection Bridge (2753.2)	$13.04
Q2(10)	2 Pole Cross Connection Bridge (2060.0)	$2.52
Q3(10)	3 Pole Cross Connection Bridge (2061.0)	$3.76
Q4(10)	4 Pole Cross Connection Bridge (2062.0)	$4.91
Q10(10)	10 Pole Cross Connection Bridge (2063.0)	$9.23

For more terminal options please check Accessories Pages

16 mm² SCREW TERMINALS

RK16

R16/35N

Q2(16)

AD1/12B

RK16	Single Level 16mm² Terminal Block	$4.48
RK16/35N	Single Level 16mm² Terminal Block - TS35 DIN Rail only	$4.48
RK16B	Single Level 16mm² Terminal Block (Blue)	$4.68
RK16/35NB	Single Level 16mm² Terminal Block (Blue) - TS35 DIN Rail only	$4.68
RK16G	Single Level 16mm² Terminal Block (Green)	$4.68
AP16	End Cover for RK16PA	$1.02
TW16	Partition Plate for RK16	$1.79
TRS1	Terminal Insulation Plate for RK2.5-4, RK6-10, RK16 & PTK	$0.27
ES35	Small DIN Rail End Clamp	$1.28
AD1/12B	Terminal Cover for RK16 - Arrow Marking	$1.55
Q2(16)	2 Pole Cross Connection Bridge (2112.0)	$2.93
Q3(16)	3 Pole Cross Connection Bridge (2113.0)	$4.21
Q4(16)	4 Pole Cross Connection Bridge (2114.0)	$5.50
Q10(16)	10 Pole Cross Connection Bridge (2115.0)	$11.47
Q2(16/35N)	2 Pole Cross Connection Bridge (2257.0)	$2.93
Q3(16/35N)	3 Pole Cross Connection Bridge (2258.0)	$4.21
Q4(16/35N)	4 Pole Cross Connection Bridge (2265.0)	$5.50
Q10(16/35N)	10 Pole Cross Connection Bridge (2266.0)	$11.47

For more terminal options please check Accessories Pages

35 mm² SCREW TERMINALS

RK35G

RK35/35N

RK35	Single Level 35mm² Terminal Block	$10.50
RK35/35N	Single Level 35mm² Terminal Block - TS35 DIN Rail only	$10.50
RK35B	Single Level 35mm² Terminal Block (Blue)	$10.89
RK35/35NB	Single Level 35mm² Terminal Block (Blue) - TS35 DIN Rail only	$10.89
RK35G	Single Level 35mm² Terminal Block (Green)	$10.89
AP35	End Cover for RK35	$1.66
TW35	Partition Plate for RK35	$2.17
ES35	Small DIN Rail End Clamp	$1.28
AD1/16B	Terminal Cover for RK35 - Arrow Marking	$1.62
AD1/16BN	Terminal Cover for RK35/35N - Arrow Marking	$1.62
Q2(35)	2 Pole Cross Connection Bridge (2164.0)	$3.90
Q3(35)	3 Pole Cross Connection Bridge (2165.0)	$5.53
Q4(35)	4 Pole Cross Connection Bridge (2166.0)	$7.29
Q10(35)	10 Pole Cross Connection Bridge (2167.0)	$14.86

For more terminal options please check Accessories Pages

50 mm² / 240 mm² SCREW TERMINALS

RK50

HES35ST

MAG 95

RK50	Single Level 50mm² Terminal Block - TS35 DIN Rail only	$23.43
RK50B	Single Level 50mm² Terminal Block (Blue) - TS35 DIN Rail only	$23.43
RK95	Single Level 95mm² Terminal Block - TS35 DIN Rail only	$46.75
RK95B	Single Level 95mm² Terminal Block (Blue) - TS35 DIN Rail only	$46.75
RK150	Single Level 150mm² Terminal Block - TS35 DIN Rail only	$80.48
RK150B	Single Level 150mm² Terminal Block (Blue) - TS35 DIN Rail only	$80.48
RK240	Single Level 240mm² Terminal Block - TS35 DIN Rail only	$110.54
RK240B	Single Level 240mm² Terminal Block (Blue) - TS35 DIN Rail only	$110.54
HES35ST	Heavy Duty Metal DIN Rail End Clamp	$4.98
AQI2/50	2 Pole Jumper Bar for RK50	$20.10
AQI3/50	3 Pole Jumper Bar for RK50	$22.03
AQI2/95	2 Pole Jumper Bar for RK95	$32.03
AQI3/95	3 Pole Jumper Bar for RK95	$37.83
AQI2/150	2 Pole Jumper Bar for RK150	$39.58
AQI3/150	3 Pole Jumper Bar for RK150	$43.93
AQI2/240	2 Pole Jumper Bar for RK240	$43.77
AQI3/240	3 Pole Jumper Bar for RK240	$48.22
MAG50	RK50 Measurement Pick-off Terminal - 10mm², 57Amp	$11.41
MAG95	RK95 Measurement Pick-off Terminal - 10mm², 57Amp	$11.83
MAG150/240	RK150 & RK240 Measurement Pick-off Terminal - 10mm², 57Amp	$12.62

For more terminal options please check Accessories Pages

2.5 mm² DOUBLE LEVEL SCREW TERMINALS

RKD2.5

RKD2.5SV

RKD2.5	Dual Level 2.5mm² Terminal Block	$4.98
RKD2.5SV	Dual Level 2.5mm² Terminal Block– Link between top and bottom	$9.16
Q2(2.5)	2 Pole Cross Connection Bridge (2567.0)	$1.69
Q3(2.5)	3 Pole Cross Connection Bridge (2568.0)	$2.37
Q4(2.5)	4 Pole Cross Connection Bridge (2569.0)	$3.05
Q10(2.5)	10 Pole Cross Connection Bridge (2570.0)	$6.54
Q0.5M(2.5)	100 (approximately) Pole Cross Connection Bridge (2152.0)	$58.81
AP4	End Cover for RKD2.5 &RKD4 Terminals	$1.22

For more terminal options please check Accessories Pages

4 mm² DOUBLE LEVEL SCREW TERMINALS

RKD4/35

RKD4/D(1047.2)

RKD4/UV60

RKD4/RC

RKD4	Dual Level 4mm² Terminal Block	$5.27
RKD4/35	Dual Level 4mm² Terminal Block - TS35 DIN Rail only	$5.27
RKD4B	Dual Level 4mm² Terminal Block - blue	$5.92
RKD4R	Dual Level 4mm² Terminal Block - red	$5.92
RKD4SV	Dual Level 4mm² Terminal Block - Link between top and bottom	$9.65
RKD4/D(1046.2)	Dual Level 4mm² Terminal Block with single Diode	$12.04
RKD4/D(1047.2)	Dual Level 4mm² Terminal Block with single Diode	$12.04
RKD4/D(2319.2)	Dual Level 4mm² Terminal Block with single Diode	$12.04
RKD4/D(2323.2)	Dual Level 4mm² Terminal Block with two Diodes	$15.74
RKD4/D(1042.2)	Dual Level 4mm² Terminal Block for 24Vac Indication - Red LED	$18.60
RKD4/D(2436.2)	Dual Level 4mm² Terminal Block for 24Vdc Indication - Red LED	$22.36
RKD4/RC(1189.2)	Quenching Terminal for Contactor and Solenoid Valves	$47.09
RKD4/UG/90	Dual Level 4mm² Terminal - Overvoltage protection/gas arrestor - 90V	$62.51
RKD4/UG/230	Dual Level 4mm² Terminal - Overvoltage protection/gas arrestor - 230V	$62.51
RKD4/UV30	Dual Level 4mm² Terminal Block - Overvoltage protection/varistor	$23.21
RKD4/UV60	Dual Level 4mm² Terminal Block - Overvoltage protection/varistor	$23.21
Q2(RKD4)	2 Pole Cross Connection Bridge for RKD4 (2087.0)	$1.69
Q10(RKD4)	10 Pole Cross Connection Bridge for RKD4 (2090.0)	$7.24
Q0.5M(RKD4)	83 (approximately) Pole Cross Connection Bridge for RKD4 (2150.0)	$49.31
AP4	End Cover for RKD2.5 &RKD4 Terminals	$1.22
AP4B	End Cover for RKD2.5 &RKD4 Terminals - blue	$1.44

For more terminal options please check Accessories Pages

4 mm² DUAL LEVEL SCREW TERMINALS

RK2.5-4ZRL

RK2.5-4ZR	Dual Connection 4mm² Terminal Block - 1/2 configuration	$4.68
AP2.5/R	End Cover for RK2.5-4ZR	$1.15
RK2.5-4ZRL	Dual Connection 4mm² Terminal Block - 2/2 configuration	$6.41
AP2.5/RL	End Cover for RK2.5-4ZRL	$1.66

For more terminal options please check Accessories Pages

2.5 mm² THREE LEVEL SCREW TERMINALS

IKD2.5

IK2.5

IKD2.5	3 Level 2.5mm² Terminal Block	$7.94
IKD2.5/Q	3 Level 2.5mm² Terminal Block for Cross Connection	$7.94
AP2.5/ID	End Cover for IKD2.5 & IKD2.5/Q (2699.2)	$1.41
AP-IKD2.5/S	Short End Cover for matching IKD2.5 & IK2.5 terminals (2714.2)	$1.22
IK2.5	3 Level 2.5mm² Terminal Block for Cross Connection with colour coding	$7.55
AP2.5/I	End Cover for IK2.5PA (2698.2)	$1.41
Q2(IKD2.5)	2 Pole Cross Connection Bridge (2422.0)	$1.69
Q10(IKD2.5)	10 Pole Cross Connection Bridge (2425.0)	$7.24
Q0.5M(IKD2.5)	100 (approximately) Pole Cross Connection Bridge (2151.0)	$58.81

2.5 mm² THREE LEVEL PNP LED TERMINALS

IKD2.5PNP/DC(1287.2)

IKD2.5PNP/DC(1283.2)	3 Level 2.5mm² Terminal Block - 24Vdc, Red LED, PNP Type	$21.61
IKD2.5PNP/DC(1285.2)	3 Level 2.5mm² Terminal Block - 48Vdc, Red LED, PNP Type	$22.22
IKD2.5PNP/DC(1287.2)	3 Level 2.5mm² Terminal Block - 60Vdc, Red LED, PNP Type	$22.22
IKD2.5PNP/DC(1284.2)	3 Level 2.5mm² Terminal Block - 24Vdc, Green LED, PNP Type	$21.61
IKD2.5PNP/DC(1286.2)	3 Level 2.5mm² Terminal Block - 48Vdc, Green LED, PNP Type	$22.22
IKD2.5PNP/DC(1288.2)	3 Level 2.5mm² Terminal Block - 60Vdc, Green LED, PNP Type	$22.22
IKD2.5PNP/AC(1266.2)	3 Level 2.5mm² Terminal Block - 220Vac, Red LED, PNP Type	$23.07
IKD2.5PNP/AC(1299.2)	3 Level 2.5mm² Terminal Block - 220Vac, Green LED, PNP Type	$23.07

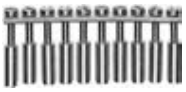
2.5 mm² THREE LEVEL NPN LED TERMINALS

IKD2.5NPN/DC(1289.2)

IKD2.5NPN/DC(1289.2)	3 Level 2.5mm² Terminal Block - 24Vdc, Red LED, NPN Type	$21.61
IKD2.5NPN/DC(1291.2)	3 Level 2.5mm² Terminal Block - 48Vdc, Red LED, NPN Type	$22.22
IKD2.5NPN/DC(1293.2)	3 Level 2.5mm² Terminal Block - 60Vdc, Red LED, NPN Type	$22.22
IKD2.5NPN/DC(1290.2)	3 Level 2.5mm² Terminal Block - 24Vdc, Green LED, NPN Type	$21.61
IKD2.5NPN/DC(1292.2)	3 Level 2.5mm² Terminal Block - 48Vdc, Green LED, NPN Type	$22.22
IKD2.5NPN/DC(1294.2)	3 Level 2.5mm² Terminal Block - 60Vdc, Green LED, NPN Type	$22.22
IKD2.5NPN/AC(1267.2)	3 Level 2.5mm² Terminal Block - 220Vac, Red LED, NPN Type	$23.07
IKD2.5NPN/AC(1366.2)	3 Level 2.5mm² Terminal Block - 220Vac, Green LED, NPN Type	$23.07

2.5 mm² TWO LEVEL PLUS EARTH SCREW TERMINALS

DLI2.5PE/L/L



Q10(DLI2.5)

DLI2.5PE/L/L	2 Level Plus Earth 2.5mm² Terminals Blocks	$11.85
AP2.5D	End Cover for DLI2.5PE/L/L	$1.73
Q2(DLI2.5)	2 Pole Cross Connection Bridge (2832.0)	$1.69
Q3(DLI2.5)	3 Pole Cross Connection Bridge (2833.0)	$2.37
Q4(DLI2.5)	4 Pole Cross Connection Bridge (2834.0)	$3.05
Q10(DLI2.5)	10 Pole Cross Connection Bridge (2835.0)	$6.54
Q0.5M(DLI2.5)	100 (approximately) Pole Cross Connection Bridge (2154.0)	$58.81

For more terminal options please check Accessories Pages

2.5 mm² THREE LEVEL PLUS EARTH SCREW TERMINALS

VMAK2.5

AQI2/6/11

VMAK2.5	3 Level Plus Earth 2.5mm² Terminal Block	$19.34
AP/VMAK2.5	End Cover for VMAK2.5 Terminal	$2.17
AQI2/6/11	2 Pole External Comb Jumper Bar	$0.90
AQI3/6/11	3 Pole External Comb Jumper Bar	$1.14
AQI4/6/11	4 Pole External Comb Jumper Bar	$1.34
AQI10/6/11	10 Pole External Comb Jumper Bar	$3.71
AQI75/6/11	75 Pole External Comb Jumper Bar	$16.94

For more terminal options please check Accessories Pages

SCREW TERMINALS - EARTH

SL2.5/35

SL16/35N

SL35/32

SL2.5/35ZRL

SL2.5/35	Earth 2.5mm² Terminal Block - TS35 DIN Rail only	$6.92
SL4/35	Earth 4mm² Terminal Block - TS35 DIN Rail only	$7.18
SL10/35	Earth 10mm² Terminal Block - TS35 DIN Rail only	$9.09
SL16/35	Earth 16mm² Terminal Block - TS35 DIN Rail only	$14.53
SL16/35N	Earth 16mm² Terminal Block - TS35 DIN Rail only	$14.53
SL35/35	Earth 35mm² Terminal Block - TS35 DIN Rail only	$19.08
SL35/35N	Earth 35mm² Terminal Block - TS35 DIN Rail only	$19.08
SL2.5/32	Earth 2.5mm² Terminal Block - TS32 (C Type) DIN Rail only	$7.44
SL4/32	Earth 4mm² Terminal Block - TS32 (C Type) DIN Rail only	$7.94
SL10/32	Earth 10mm² Terminal Block - TS32 (C Type) DIN Rail only	$10.11
SL16/32	Earth 16mm² Terminal Block - TS32 (C Type) DIN Rail only	$16.66
SL35/32	Earth 35mm² Terminal Block - TS32 (C Type) DIN Rail only	$20.36
SL4/15	Earth 4mm² Terminal Block	$6.34
SL2.5/35ZR	Dual Connection 4mm² Earth Terminal Block - 1/2 configuration - TS35 Rail	$9.61
AP2.5RG	End Cover for SL2.5/35ZR - Green - TS35 DIN Rail only	$1.15
SL2.5/35ZRL	Dual Connection 4mm² Earth Terminal Block - 2/2 configuration - TS35 Rail	$10.00
AP2.5RLG	End Cover for RK2.5/35ZRL - Green - TS35 DIN Rail only	$1.66

TS15 SCREW TERMINALS

RK1.5-4/15

RK1.5-4/15B

STK2/15

ES15

RK1.5-4/15	Single Level 4mm² Terminal Block	$2.31
RK1.5-4/15B	Single Level 4mm² Terminal Block (Blue)	$2.31
RK1.5-4/15W	Single Level 4mm² Terminal Block (White)	$2.31
RK1.5-4/15O	Single Level 4mm² Terminal Block (Orange)	$2.31
AP1.5-4	End Cover for RK1.5-4/15PA	$0.77
AP1.5-4B	End Cover for RK1.5-4/15PA (Blue)	$0.84
TW1.5-4	Partition Plate for RK1.5-4/15	$0.64
SL4/15	Earth 4mm² Terminal Block	$6.34
STK2/15	Small Length 6.3 Amp 4mm² Fuse Terminal Block for TS15 Rail	$10.00
APSI-2	End Cover for STK2/15	$0.90
ES15	End Clamp for 15mm Rail	$1.15
Q2(RKD4)	2 Pole Cross Connection Bridge for RKD4 (2087.0)	$1.69
Q10(RKD4)	10 Pole Cross Connection Bridge for RKD4 (2090.0)	$7.24
Q0.5M(RKD4)	83 (approximately) Pole Cross Connection Bridge for RKD4 (2150.0)	$49.31

For more terminal options please check Accessories Pages

SCREW TERMINALS - DISCONNECT TYPE

CONTACLIP

DISCONNECT TERMINALS

TRK1.5

TRK1.5/DS

DS-TRK1.5

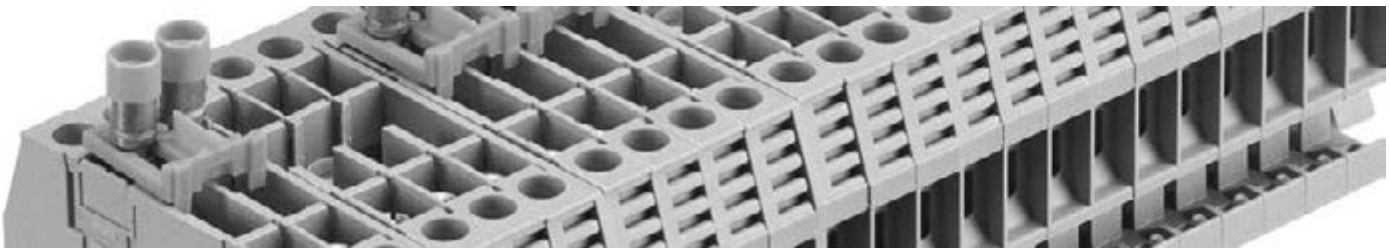
STK1/K

TRK1.5	4mm² Disconnect Terminal Block	$6.59
TRK1.5B	4mm² Disconnect Terminal Block - Blue	$7.22
TRK1.5/STB	4mm² Disconnect Terminal Block - plug sockets instead of clamping screws	$8.37
TRK1.5/DS	4mm² Disconnect Terminal Block with removable link	$12.54
TRK1.5(1398.2)	4mm² Disconnect Terminal Block - base only	$6.41
DS1-TRK1.5(1400.2)	4mm² Disconnect Terminal Block - upper part - link	$9.02
DS1-TRK1.5(1401.2)	4mm² Disconnect Terminal Block - upper part - Diode	$12.63
DS1-TRK1.5(1402.2)	4mm² Disconnect Terminal Block - upper part - Diode	$12.63
DS1-TRK1.5(1403.2)	4mm² Disconnect Terminal Block - upper part - no link	$9.01
STK2/15/K	4mm² Disconnect Terminal Block	$12.44
STK2/K	4mm² Disconnect Terminal Block	$12.44
APSI-2	End Cover for Disconnect Terminals STK2/15/K & STK2/K	$0.90
STKD1/K	4mm² Disconnect Terminal Block & Extra Lower Terminal	$15.35
APSID-1	End Cover for Disconnect Terminals STKD1/K	$2.12
TK2/K	4mm² Disconnect Terminal Block	$12.44
APSI-1	End Cover for Disconnect Terminals STK1/K	$0.90
KH5	Contact Sleeve - Solid Link	$1.35
AQ58	58 Pole Uninsulated Comb Jumper Bar 8mm Pitch	$20.62
IP58	Insulation Strip for AQ58	$4.48

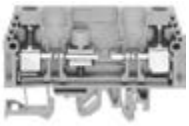
For more terminal options please check Accessories Pages

TEST DISCONNECT TERMINALS

CONTACLIP



TEST DISCONNECT TERMINALS - PTK SERIES



PTK/LT

PTK/DU

STB35Y

B5 25 Range

KSS2-8

PS4

PTK/LT	10mm² Test Disconnect Terminal Block	$11.98
PTK/LT/STB	10mm² Test Disconnect Terminal Block with Test Sockets	$12.83
PTK/QT	10mm² Test Disconnect Terminal Block	$11.98
PTK/QT/STB	10mm² Test Disconnect Terminal Block with Test Sockets	$12.83
PTK/DU	10mm² Test Disconnect Terminal Block - Straight Through Terminal	$8.87
AP/PTK	End Cover for PTK Terminals (AP/L/Q/D)	$1.54
TRS1	Separator Plate	$0.27
QSB2	Switchable Link - 2 Pole	$5.20
QSB3	Switchable Link - 3 Pole	$7.69
QI2(10)	Insulated Cross Connection Bridge - 2 Pole (2750.2)	$2.79
QI3(10)	Insulated Cross Connection Bridge - 3 Pole (2751.2)	$4.19
QI4(10)	Insulated Cross Connection Bridge - 4 Pole (2752.2)	$5.40
QI10(10)	Insulated Cross Connection Bridge - 10 Pole (2753.2)	$13.04
QVS2	Cross Connection Jumper - 2 Pole	$6.20
VH19(2238.0)	Connection Sleeve	$2.42
STB35Y	Test Fixing Screw - Yellow	$5.52
STB35GN	Test Fixing Screw - Green	$5.52
STB35VT	Test Fixing Screw - Violet	$5.52
BS25GN	PTK System Screw - Green	$3.76
BS25VT	PTK System Screw - Violet	$3.76
BS25Y	PTK System Screw - Yellow	$3.76
STB14/4	Test Plug Socket	$0.84
PS4	Test Plug	$6.80
KSS2-8	Short Circuit Test Plug	$27.77

RK SAFE BOX / ASSEMBLED TEST DISCONNECT BLOCK SETS

RK SAFE-BOX	Conta-Clip Terminal Housing System - Empty	$73.39
PTK10CTVTSB	Test Disconnect Terminal Block Set - 3 Phase CT & VT with Safe Box	$241.03
PTK10CTSB	Test Disconnect Terminal Block Set - 3 Phase CT only with Safe Box	$202.17
PTK10CTVT	Test Disconnect Terminal Block Set - 3 Phase CT & VT	$167.64
PTK10CT	Test Disconnect Terminal Block Set - 3 Phase CT only	$128.79
PTK10CTNI	Test Disconnect Terminal Block Set - 3 Phase CT only - Non Isolating	$115.02

FUSE TERMINALS

STK1

STK2

SIK10

STKD1

STK1	6.3 Amp 4mm² Fuse Terminal Block	$10.00
STK1LED(2449.2)	6.3 Amp 4mm² Fuse Terminal Block - LED Indication - 24V DC	$17.94
STK1LED(2454.2)	6.3 Amp 4mm² Fuse Terminal Block - LED Indication - 24V AC	$17.94
STK1LED(2458.2)	6.3 Amp 4mm² Fuse Terminal Block - LED Indication - 230V AC	$17.94
APSI-1	End Cover for STK 1	$0.90
STK2	Small Length 6.3 Amp 4mm² Fuse Terminal Block	$10.00
STK2/15	Small Length 6.3 Amp 4mm² Fuse Terminal Block - 15mm DIN Rail	$10.00
APSI-2	End Cover for STK2	$0.90
STKD1	Dual Level 6.3 Amp Fuse Holder & Terminal Block	$14.03
APSID-1	End Cover for STKD1	$2.12
SIK10	10 Amp 10mm² Fuse Terminal Block	$10.37
SIK10/Z	10 Amp 10mm² Fuse Terminal Block - for Imperial Fuse Links	$15.30
AP10	End Plate for SIK10PA	$1.35
SST/SIK/LED(1113.2)	SIK10PA Fuse Status Indication 12VDC & 24VAC	$11.53
SST/SIK/LED(1114.2)	SIK10PA Fuse Status Indication 20-30VDC & 40-60VDC	$11.53
SST/SIK/LED(1115.2)	SIK10PA Fuse Status Indication 40-60VDC & 80-120VDC	$11.53
SST/SIK/LED(1116.2)	SIK10PA Fuse Status Indication 115VDC & 230VAC	$11.53
SK1/35KRG	10 Amp 10mm² Fuse Terminal Block	$15.05
AP/SK1KRG	End Plate for SK1/35KRG	$1.59
VBS2/10	Link for two Fuse Terminal Levers - for STK2, STKD1, SIK10	$1.41
VBS3/10	Link for three Fuse Terminal Levers - for STK2, STKD1, SIK10	$1.62
AQI60/8/11	60 Pole Insulated Comb Bar 8mm Pitch for STK1, STK2 & STKD1	$40.86
AQI60/8/18	60 Pole Insulated Comb Bar 8mm Pitch for SIK10 Fuse Terminals	$44.93

SK1 FUSE TERMINALS

SK1/35

SK1/35 LED24VDC

SK1/35	High Temperature Screw Cap Fuse Terminal for 5x20 Fuse Links - Black	$12.46
SK1/35WK	High Temperature Screw Cap Fuse Terminal with Window for 5x25 Fuses	$13.40
SK1/35LED24VDC	High Temperature Screw Cap Fuse Terminal, 24VDC LED Indication	$32.24
SK1/35LED24VAC	High Temperature Screw Cap Fuse Terminal, 24VAC LED Indication	$35.28
SK1/35G230V	High Temperature Screw Cap Fuse Terminal, 230VAC Neon Indication	$27.85
SK1/35G24VDC	High Temperature Screw Cap Fuse Terminal, 24VAC/DC Neon Indication	$32.24
APSIBK	End Cover for SK1/35 Fuse Terminal - Black	$1.76
SKA5x20	Spare Screw Cap for SK1/35 Fuse Terminal - Black	$4.91
SKA5x25	Spare Screw Cap for SK1/35WK Fuse Terminal - Black	$6.40
QS2(2366.0)	2 Pole Cross Connection for SK1/35 Fuse Terminal	$1.19

20 x 5 mm FUSE LINKS - 250V

Glass Fuse Links

SI1.OA

SI0.1A	Fuse Link 100 mA, 20x5mm, Glass Type	$1.22
SI0.16A	Fuse Link 160 mA, 20x5mm, Glass Type	$1.22
SI0.2A	Fuse Link 200 mA, 20x5mm, Glass Type	$1.22
SI0.25A	Fuse Link 250 mA, 20x5mm, Glass Type	$1.22
SI0.4A	Fuse Link 400 mA, 20x5mm, Glass Type	$1.22
SI0.5A	Fuse Link 500 mA, 20x5mm, Glass Type	$1.22
SI1A	Fuse Link 1 Amp, 20x5mm, Glass Type	$1.22
SI2A	Fuse Link 2 Amp, 20x5mm, Glass Type	$1.22
SI2.5A	Fuse Link 2.5 Amp, 20x5mm, Glass Type	$1.22
SI3.15A	Fuse Link 3.15 Amp, 20x5mm, Glass Type	$1.22
SI4A	Fuse Link 4 Amp, 20x5mm, Glass Type	$1.22
SI5A	Fuse Link 5 Amp, 20x5mm, Glass Type	$1.22
SI6.3A	Fuse Link 6.3 Amp, 20x5mm, Glass Type	$1.22
SI8A	Fuse Link 8 Amp, 20x5mm, Glass Type	$1.35
SI10A	Fuse Link 10 Amp, 20x5mm, Glass Type	$1.35

5 x 25 mm FUSE LINKS - 250V WITH INDICATION

SI6.3A/I

SI1A/I	Fuse Link 1 Amp, 25x5mm with Indicator	$5.56
SI2A/I	Fuse Link 2 Amp, 25x5mm with Indicator	$5.56
SI4A/I	Fuse Link 4 Amp, 25x5mm with Indicator	$5.56
SI6.3A/I	Fuse Link 6.3 Amp, 25x5mm with Indicator	$5.56

32 x 6.3mm IMPERIAL FUSE LINKS - 500V

SI 2.0A/32F

SI1.0A/32F	Fuse Link 1 Amp, 32x6.3mm Ceramic type	$5.56
SI2.0A/32F	Fuse Link 2 Amp, 32x6.3mm Ceramic type	$5.56
SI4.0A/32F	Fuse Link 4 Amp, 32x6.3mm Ceramic type	$5.56
SI6.3A/32F	Fuse Link 6.3 Amp, 32x6.3mm Ceramic type	$5.56
SI8.0A/32F	Fuse Link 8 Amp, 32x6.3mm Ceramic type	$5.56
SI10.0A/32F	Fuse Link 10 Amp, 32x6.3mm Ceramic type	$5.56

SCREW TERMINALS - DIRECT MOUNTING / BLOCK

CONTACLIP

DIRECT MOUNTING TERMINALS

BKA4 assembled

EH2-Z

RK50-D

BKA2.5	2.5mm² Direct Mounting Terminal	$1.56
BKA2.5B	2.5mm² Direct Mounting Terminal - Blue	$1.56
BKA4	4mm² Direct Mounting Terminal	$1.86
EH15BKA	End Clamp for 2.5mm² & 4mm² BKA Terminals for TS15 Rail	$1.28
EH2	Direct Mounting End Clamp for 2.5mm² & 4mm² BKA Terminals	$1.22
EH2-Z	Direct Mounting End Clamp for 2.5mm² & 4mm² BKA Terminals Push Fit	$1.22
BKA10	10mm² Direct Mounting Terminal	$2.58
EH3	Direct Mounting End Clamp for BKA10 Terminals	$1.43
EH35BKA	End Clamp for BKA10 Terminals TS35 Rail	$1.53
RK50-D	50mm² Direct Mounting Terminal	$28.56
RK95-D	95mm² Direct Mounting Terminal	$55.23
RK150-D	150mm² Direct Mounting Terminal	$80.48
RK240-D	240mm² Direct Mounting Terminal	$110.54

For more terminal options please check Accessories Pages

BLOCK TYPE TERMINALS

KBL2.5-4/10

KBL2.5/3	3 Pole 2.5mm² Terminal Block, assembled	$6.50
KBL2.5/4	4 Pole 2.5mm² Terminal Block, assembled	$8.33
KBL2.5/5	5 Pole 2.5mm² Terminal Block, assembled	$10.15
KBL2.5/6	6 Pole 2.5mm² Terminal Block, assembled	$11.98
KBL2.5/7	7 Pole 2.5mm² Terminal Block, assembled	$13.80
KBL2.5/10	10 Pole 2.5mm² Terminal Block, assembled	$19.27
KBL2.5/12	12 Pole 2.5mm² Terminal Block, assembled	$23.04
KBL2.5/14	14 Pole 2.5mm² Terminal Block, assembled	$26.79
KBL2.5/16	16 Pole 2.5mm² Terminal Block, assembled	$35.65
KBL2.5/18	18 Pole 2.5mm² Terminal Block, assembled	$37.39
KBL2.5-4/3	3 Pole 4mm² Terminal Block, assembled	$6.85
KBL2.5-4/4	4 Pole 4mm² Terminal Block, assembled	$8.76
KBL2.5-4/10	10 Pole 4mm² Terminal Block	$20.26
KBL6-10/3	3 Pole 10mm² Terminal Block, assembled	$9.68
KBL6-10/10	10 Pole 10mm² Terminal Block, assembled	$29.85

For more terminal block options and combination - please contact us

STUD TERMINALS & DISTRIBUTOR BLOCKS

CONTACLIP

STUD TERMINALS - B SERIES

HSK70B

HSK150B/B

HSK70B/B	2 Stud - 70mm² Terminal Block - M8 Stud	$25.60
HSK70B	Single Stud - 70mm² Terminal Block - M8 Stud	$25.60
HSK95B/B	2 Stud - 95mm² Terminal Block - M10 Stud	$32.79
HSK95B	Single Stud - 95mm² Terminal Block - M10 Stud	$32.79
HSK150B/B	2 Stud - 150mm² Terminal Block - M12 Stud	$42.82
HSK150B	Single Stud - 150mm² Terminal Block - M12 Stud	$42.82
HSK240B/B	2 Stud - 240mm² Terminal Block - M16 Stud	$59.65
HSK240B	Single Stud - 240mm² Terminal Block - M16 Stud	$59.65
TW/71	Separator Plate for HSK70B/B, HSK95B/B Terminals	$3.42
TW/97	Separator Plate for HSK70B, HSK95B, HSK150B/B & HSK240B/B Terminals	$3.42
TW/138	Separator Plate for HSK150B & HSK240B Terminals	$3.42
AH40	Clear Cover for HSK70 and HSK95 Terminals	$11.69
AH50	Clear Cover for HSK150 and HSK240 Terminals	$11.69
BSM3x7	Fixing Screw for AH40 & AH50	$0.60

HSK SERIES

HSK16/M5B

HSK120/M10B

HSK120/M10B/B

HSK16/M5B	Single Stud - 16mm² Terminal Block - M5 Stud	$24.48
HSK35/M6B	Single Stud - 35mm² Terminal Block - M6 Stud	$27.81
HSK35/M6B/B	2 Stud - 35mm² Terminal Block - M6 Stud	$30.28
HSK50/M8B	Single Stud - 50mm² Terminal Block - M8 Stud	$30.28
HSK50/M8B/B	2 Stud - 50mm² Terminal Block - M8 Stud	$32.78
HSK120/M10B	Single Stud - 120mm² Terminal Block - M10 Stud	$33.20
HSK120/M12B	Single Stud - 120mm² Terminal Block - M12 Stud	$39.42
HSK120/M10B/B	2 Stud - 120mm² Terminal Block - M10 Stud	$41.08
TW16-120	Separator Plate	$5.16
TW35-120B/B	Separator Plate	$6.02
AD16(17019.0)	Cover Profile	$1.51
AD35(17020.0)	Cover Profile	$1.72
AD50(17021.0)	Cover Profile	$1.94
AD120(17026.0)	Cover Profile	$2.58

DISTRIBUTOR BLOCKS

SVB 175

SVB 80	Distribution Block - 80A - Input 2.5-16mm² - Output 2x2.5-16mm² & 4x2.5-6mm²	$48.82
SVB 125	Distribution Block - 125A - Input 1x10-35mm² & 1x2.5-16mm² - Output 6x2.5-16mm²	$85.59
SVB 175	Distribution Block - 175A - Input 16-70mm² - Output 10x2.5-16mm²	$103.89
SVB 250	Distribution Block - 250A - Input 35-120mm² - Output 2x6-35mm² & 4x1.5-10mm²	$159.66
SVB 400	Distribution Block - 400A - Input 95-185mm² - Output 2x6-35 & 5x1.5-16 & 4x1.5-10mm²	$168.66

STUD TERMINALS / STUD TERMINAL SETS

CONTACLIP

STUD TERMINALS

HSKG Terminals

ADH Covers - Yellow

HSKG with ADH cover

QS2 Bar

HSKG35/M6/B/B	2 Stud - 35mm² Terminal Block - M6 Stud - 125 Amps	$28.53
HSKG70/M8/B/B	2 Stud - 70mm² Terminal Block - M8 Stud - 192 Amps	$36.94
HSKG120/M10/B/B	2 Stud - 120mm² Terminal Block - M10 Stud - 269 Amps	$46.85
HSKG185/M12/B/B	2 Stud - 185mm² Terminal Block - M12 Stud - 353 Amps	$63.65
HSKG300/M16/B/B	2 Stud - 300mm² Terminal Block - M16 Stud - 520 Amps	$73.04
ADH35Y	Cover Profile for HSKG 35/M6/B/B - yellow	$4.53
ADH70Y	Cover Profile for HSKG 70/M8/B/B - yellow	$5.17
ADH120Y	Cover Profile for HSKG 120/M10/B/B - yellow	$6.15
ADH185/300Y	Cover Profile for HSKG185 & HSKG300 Terminals - yellow	$8.44
ADH35	Cover Profile for HSKG 35/M6/B/B - beige	$4.53
ADH70	Cover Profile for HSKG 70/M8/B/B - beige	$5.17
ADH120	Cover Profile for HSKG 120/M10/B/B - beige	$6.15
ADH185/300	Cover Profile for HSKG185 & HSKG300 Terminals - beige	$8.44
QS2/35/6	2 Pole Cross Connection Bar for HSKG35/M6/B/B	$5.75
QS3/35/6	3 Pole Cross Connection Bar for HSKG35/M6/B/B	$7.53
QS2/70/8	2 Pole Cross Connection Bar for HSKG70/M8/B/B	$7.80
QS3/70/8	3 Pole Cross Connection Bar for HSKG70/M8/B/B	$10.08
QS2/120/10	2 Pole Cross Connection Bar for HSKG120/M10/B/B	$17.60
QS3/120/10	3 Pole Cross Connection Bar for HSKG120/M10/B/B	$21.13
QS2/185/12	2 Pole Cross Connection Bar for HSKG185/M12/B/B	$25.28
QS3/185/12	3 Pole Cross Connection Bar for HSKG185/M12/B/B	$35.20
QS2/300/16	2 Pole Cross Connection Bar for HSKG300/M16/B/B	$29.13
QS3/300/16	3 Pole Cross Connection Bar for HSKG300/M16/B/B	$46.93

STUD TERMINAL SETS - INCLUDING COVERS / END STOPS / DIN RAIL

Stud Terminal Set

HSKG/190A/3P	3 Pole - 190A - 3 x HSKG70M8/B/B with Beige Covers	$141.38
HSKG/190A/4P	4 Pole - 190A - 4 x HSKG70M8/B/B with Beige Covers	$183.65
HSKG/190A/3PY	3 Pole - 190A - 3 x HSKG70M8/B/B with YELLOW Covers	$141.38
HSKG/190A/4PY	4 Pole - 190A - 4 x HSKG70M8/B/B with YELLOW Covers	$183.65
HSKG/260A/3P	3 Pole - 260A - 3 x HSKG120M10/B/B with Beige Covers	$163.80
HSKG/260A/4P	4 Pole - 260A - 4 x HSKG120M10/B/B with Beige Covers	$214.90
HSKG/260A/3PY	3 Pole - 260A - 3 x HSKG120M10/B/B with YELLOW Covers	$163.80
HSKG/260A/4PY	4 Pole - 260A - 4 x HSKG120M810B/B with YELLOW Covers	$214.90
HSKG/350A/3PY	3 Pole - 350A - 3 x HSKG185M12/B/B with YELLOW Covers	$219.36
HSKG/350A/4PY	4 Pole - 350A - 4 x HSKG185M12/B/B with YELLOW Covers	$288.65
HSKG/520A/3PY	3 Pole - 520A - 3 x HSKG300M16/B/B with YELLOW Covers	$254.93
HSKG/520A/4PY	4 Pole - 520A - 4 x HSKG300M16/B/B with YELLOW Covers	$336.39

Please contact us for more Customised Solutions

PLUG-IN CONNECTION SYSTEM - PK-TS

CONTACLIP

PK-TS PLUG-IN CONNECTION SYSTEM

PK-TS/10/5,08

PKB 1100/6/5,08

PK-TS Complete Solution

PK-TS Complete Solution

PK-TS/2/5,08	2 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$4.97
PK-TS/3/5,08	3 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$7.46
PK-TS/4/5,08	4 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$9.93
PK-TS/5/5,08	5 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$12.42
PK-TS/6/5,08	6 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$14.91
PK-TS/8/5,08	8 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$19.87
PK-TS/12/5,08	12 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$29.81
PK-TS/13/5,08	13 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$32.29
PK-TS/14/5,08	14 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$34.78
PK-TS/15/5,08	15 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$36.84
PK-TS/16/5,08	16 Pole PK-TS Base Terminal for TS35 DIN Rail Mounting	$39.75
PKB 1100/2/5,08	2 Pole PK-TS Plug Terminal	$3.18
PKB 1100/3/5,08	3 Pole PK-TS Plug Terminal	$4.76
PKB 1100/4/5,08	4 Pole PK-TS Plug Terminal	$6.35
PKB 1100/5/5,08	5 Pole PK-TS Plug Terminal	$7.94
PKB 1100/6/5,08	6 Pole PK-TS Plug Terminal	$9.52
PKB 1100/8/5,08	8 Pole PK-TS Plug Terminal	$12.69
PKB 1100/10/5,08	10 Pole PK-TS Plug Terminal	$15.87
PKB 1100/12/5,00	12 Pole PK-TS Plug Terminal	$19.05
PKB 1100/16/5,08	16 Pole PK-TS Plug Terminal	$25.40

For more PK-TS terminal solutions - contact us

END COVERS

End Covers

AP2.5-10	End Cover for RK2.5, RK2.5-4 & RK6-10	$0.90
AP16	End Cover for RK16PA	$1.02
AP35	End Cover for RK35PA	$1.66
AP2.5-10B	End Cover for RK2.5, RK2.5-4 & RK6-10 (Blue)	$0.97
AP2.5-10R	End Cover for RK2.5, RK2.5-4 & RK6-10 (Red)	$0.97
AP2.5-10Y	End Cover for RK2.5, RK2.5-4 & RK6-10 (Yellow)	$0.97
AP2.5-10W	End Cover for RK2.5, RK2.5-4 & RK6-10 (White)	$0.97
AP2.5-10O	End Cover for RK2.5, RK2.5-4 & RK6-10 (Orange)	$0.97
AP2.5-10BL	End Cover for RK2.5, RK2.5-4 & RK6-10 (Black)	$0.97
AP16B	End Cover for RK16PA (Blue)	$1.10
AP35B	End Cover for RK35PA (Blue)	$1.79
AP35G	End Cover for RK35PA (Green)	$1.79

INSULATION PLATES

TRS1	Insulation Plate for 4, 6, 10mm Terminals	$0.27
TRS3	Insulation Plate for 2.5mm Terminals	$0.31

PARTITION PLATES

TWMF(O)

TW2.5-10	Partition Plate for RK2.5, RK2.5-4 & RK6-10	$1.02
TW16	Partition Plate for RK16	$1.79
TW35	Partition Plate for RK35	$2.17
TWMF	Terminal Separator Plate	$4.29
TWMF(O)	Terminal Separator Plate (Orange)	$4.35
AD3	Clear Cover Profile - 1000mm	$78.53

TERMINAL COVERS

ADQ

EA Type Terminal Covers

AD1 Type Terminal Covers

AD4 Type Terminal Covers

ADQ	Connection Bridge Cover - Clear	$1.06
ADQW	Connection Bridge Cover - White	$1.06
EA1	Universal Terminal Cover	$0.71
EA1W	Universal Terminal Cover - White	$0.71
EA1Y	Universal Terminal Cover - Yellow	$0.71
AD1/5	Terminal Cover for RK2.5	$1.02
AD1/5N	Terminal Cover for RK2.5N2Q	$1.02
AD1/5B	Terminal Cover for RK2.5 - Arrow Marking	$1.02
AD1/6	Terminal Cover for RK2.5-4	$1.02
AD1/6B	Terminal Cover for RK2.5-4 - Arrow Marking	$1.02
AD1/8	Terminal Cover for RK6-10	$1.19
AD1/8B	Terminal Cover for RK6-10 - Arrow Marking	$1.19
AD1/12B	Terminal Cover for RK16 - Arrow Marking	$1.55
AD1/12N	Terminal Cover for RK16/35N - Arrow Marking	$1.55
AD1/16B	Terminal Cover for RK35 - Arrow Marking	$1.62
AD1/16BN	Terminal Cover for RK35/35N - Arrow Marking	$1.62
AD1/50B	Terminal Cover for RK50 - Arrow Marking	$2.52
AD1/95B	Terminal Cover for RK95 - Arrow Marking	$2.56
AD1/150B	Terminal Cover for RK150 - Arrow Marking	$2.64
AD1/240B	Terminal Cover for RK240 - Arrow Marking	$2.75
AD4/24B/E	Warning Cover for RK2.54 - Arrow Marking	$2.71
AD4/32B/E	Warning Cover for RK6-10 - Arrow Marking	$2.85
BSKM3x22	Fastening Screw for AD4...B/E	$0.45

CROSS CONNECTION BARS - INSULATED

QI3(4)

QI2(4)	2 Pole Insulated Cross Connection (2740.2) - RK2.5-4, RK2.5-4ZR(L) - 32A	$2.07
QI3(4)	3 Pole Insulated Cross Connection (2741.2) - RK2.5-4, RK2.5-4ZR(L) - 32A	$2.90
QI4(4)	4 Pole Insulated Cross Connection (2742.2) - RK2.5-4, RK2.5-4ZR(L) - 32A	$4.27
QI10(4)	10 Pole Insulated Cross Connection (2743.2) - RK2.5-4, RK2.5-4ZR(L) - 32A	$8.63
QI2(10)	2 Pole Insulated Cross Connection (2750.2) - RK6-10, PTK Series - 57A	$2.79
QI3(10)	3 Pole Insulated Cross Connection (2751.1) - RK6-10, PTK Series - 57A	$4.19
QI4(10)	4 Pole Insulated Cross Connection (2752.2) - RK6-10, PTK Series - 57A	$5.40
QI10(10)	10 Pole Insulated Cross Connection (2753.2) - RK6-10, PTK Series - 57A	$13.04

CROSS CONNECTION BARS - UNINSULATED

Cross-connection Bars

Q2(10)

Q10(4)

Q2(16)

Q2(RKD4)	2 Pole Cross Connection (2087.0) - RK1.5-4/15, RKD4 - 20A	$1.69
Q10(RKD4)	10 Pole Cross Connection (2090.0) - RK1.5-4/15, RKD4 - 20A	$7.24
Q0.5M(RKD4)	83 (approximately) Pole Cross Connection (2150.0) - RK1.5-4/15, RKD4 - 20A	$49.31
Q2(IKD2.5)	2 Pole Cross Connection (2422.0) - IK2.5, IKD2.5(Q) - 20A	$1.69
Q10(IKD2.5)	10 Pole Cross Connection (2425.0) - IK2.5, IKD2.5(Q) - 20A	$7.24
Q0.5M(IKD2.5)	100 (approximately) Pole Cross Connection (2151.0) - IK2.5, IKD2.5(Q) - 20A	$58.81
Q2(2.5)	2 Pole Cross Connection (2567.0) - RK2.5, RKD2.5 - 20A	$1.69
Q3(2.5)	3 Pole Cross Connection (2568.0) - RK2.5, RKD2.5 - 20A	$2.37
Q4(2.5)	4 Pole Cross Connection (2569.0) - RK2.5, RKD2.5 - 20A	$3.05
Q10(2.5)	10 Pole Cross Connection (2570.0) - RK2.5, RKD2.5 - 20A	$6.54
Q0.5M(2.5)	100 (approximately) Pole Cross Connection (2152.0) - RK2.5, RKD2.5 - 20A	$58.81
Q2(4)	2 Pole Cross Connection (2019.0) - RK2.5-4, RK2.5-4ZR(L) - 27A	$1.69
Q3(4)	3 Pole Cross Connection (2020.0) - RK2.5-4, RK2.5-4ZR(L) - 27A	$2.39
Q4(4)	4 Pole Cross Connection (2021.0) - RK2.5-4, RK2.5-4ZR(L) - 27A	$3.09
Q10(4)	10 Pole Cross Connection (2022.0) - RK2.5-4, RK2.5-4ZR(L) - 27A	$7.24
Q0.5M(4)	83 Pole Cross Connection (2153.0) - RK2.5-4, RK2.5-4ZR(L) - 27A	$49.31
Q2(10)	2 Pole Cross Connection (2060.0) - RK6-10 - 47A	$2.52
Q3(10)	3 Pole Cross Connection (2061.0) - RK6-10 - 47A	$3.76
Q4(10)	4 Pole Cross Connection (2062.0) - RK6-10 - 47A	$4.91
Q10(10)	10 Pole Cross Connection (2063.0) - RK6-10 - 47A	$9.23
Q2(16)	2 Pole Cross Connection Bridge (2112.0) - RK16 - 47A	$2.93
Q2(16/35N)	2 Pole Cross Connection Bridge (2257.0) - RK16/35N - 47A	$2.93
Q3(16)	3 Pole Cross Connection Bridge (2113.0) - RK16 - 47A	$4.21
Q4(16)	4 Pole Cross Connection Bridge (2114.0) - RK16 - 47A	$5.50
Q10(16)	10 Pole Cross Connection Bridge (2115.0) - RK16 - 47A	$11.47
Q2(35)	2 Pole Cross Connection Bridge (2164.0) - RK35 - 65A	$3.90
Q3(35)	3 Pole Cross Connection Bridge (2165.0) - RK35 - 65A	$5.53
Q4(35)	4 Pole Cross Connection Bridge (2166.0) - RK35 - 65A	$7.29
Q10(35)	10 Pole Cross Connection Bridge (2167.0) - RK35 - 65A	$14.86

EXTERNAL COMB JUMPER BARS & SWITCHABLE LINKS

AQI3/5/11

AQI installed

AQV2/PEN

AQI2/5/11	2 Pole External Comb Jumper Bar - RKD2.5, IK2.5, IKD2.5(Q), BKA2.5 - 27A	$0.90
AQI3/5/11	3 Pole External Comb Jumper Bar - RKD2.5, IK2.5, IKD2.5(Q), BKA2.5 - 27A	$1.14
AQI4/5/11	4 Pole External Comb Jumper Bar - RKD2.5, IK2.5, IKD2.5(Q), BKA2.5 - 27A	$1.34
AQI10/5/11	10 Pole External Comb Jumper Bar - RKD2.5, IK2.5, IKD2.5(Q), BKA2.5 - 27A	$3.71
AQI95/5/11	95 Pole External Comb Jumper Bar - RKD2.5, IK2.5, IKD2.5(Q), BKA2.5 - 27A	$21.44
AQI2/5/15	2 Pole External Comb Jumper Bar - RK2.5, RK2.5N/2Q - 27A	$0.90
AQI3/5/15	3 Pole External Comb Jumper Bar - RK2.5, RK2.5N/2Q - 27A	$1.14
AQI4/5/15	4 Pole External Comb Jumper Bar - RK2.5, RK2.5N/2Q - 27A	$1.34
AQI10/5/15	10 Pole External Comb Jumper Bar - RK2.5, RK2.5N/2Q - 27A	$3.71
AQI95/5/15	95 Pole External Comb Jumper Bar - RK2.5, RK2.5N/2Q - 27A	$21.44
AQI2/6/11	2 Pole External Comb Jumper Bar - RK1.5-4/15, RKD4, BKA4 - 27A	$0.90
AQI3/6/11	3 Pole External Comb Jumper Bar - RK1.5-4/15, RKD4, BKA4 - 27A	$1.14
AQI4/6/11	4 Pole External Comb Jumper Bar - RK1.5-4/15, RKD4, BKA4 - 27A	$1.34
AQI10/6/11	10 Pole External Comb Jumper Bar - RK1.5-4/15, RKD4, BKA4 - 27A	$3.71
AQI75/6/11	75 Pole External Comb Jumper Bar - RK1.5-4/15, RKD4, BKA4 - 27A	$16.94
AQI2/6/17	2 Pole External Comb Jumper Bar - RK2.5, RK2.5ZR(L), TRK1.5 - 27A	$0.90
AQI3/6/17	3 Pole External Comb Jumper Bar - RK2.5, RK2.5ZR(L), TRK1.5 - 27A	$1.14
AQI4/6/17	4 Pole External Comb Jumper Bar - RK2.5, RK2.5ZR(L), TRK1.5 - 27A	$1.34
AQI10/6/17	10 Pole External Comb Jumper Bar - RK2.5, RK2.5ZR(L), TRK1.5 - 27A	$3.71
AQI75/6/17	75 Pole External Comb Jumper Bar - RK2.5, RK2.5ZR(L), TRK1.5 - 27A	$16.94
AQV2/PEN	Earth & Neutral Comb Jumper Bars for SL10/35 & RK6-10	$5.04
AQI60/8/11	60 Pole Jumper Bar in Comb Style with Yellow Insulation - 8mm Pitch	$40.86
AQI60/8/18	60 Pole Jumper Bar in Comb Style with Yellow Insulation - 8mm Pitch	$44.93

LARGE COMB JUMPER BARS

AQI2/50

AQI2/50	2 Pole Jumper Bar for RK50	$20.10
AQI3/50	3 Pole Jumper Bar for RK50	$22.03
AQI2/95	2 Pole Jumper Bar for RK95	$32.03
AQI3/95	3 Pole Jumper Bar for RK95	$37.83
AQI2/150	2 Pole Jumper Bar for RK150	$39.58
AQI3/150	3 Pole Jumper Bar for RK150	$43.93
AQI2/240	2 Pole Jumper Bar for RK240	$43.77
AQI3/240	3 Pole Jumper Bar for RK240	$48.22

SWITCHABLE LINKS

QL2 &VH19 & BSM3x25

QL2 installed

QL2 (2076.0)	Switchable Link for RK1.5-4/15 & RKD4	$0.50
VH16 (2077.0)	Connecting Sleeve for QL2(2076.0)	$0.45
BSM2.5x20	Fastening Screw for QL2(2076.0)	$0.23
QL2(2008.0)	Switchable Link for RK2.5-4	$0.45
QL2(2053.0)	Switchable Link for RK6-10	$0.61
QL2(2106.0)	Switchable Link for RK16	$0.71
VH19 (2009.0)	Connecting Sleeve for QL2(2008.0), QL2(2053.0) & QL2(2106.0)	$0.66
BSM3x25	Fastening Screw for QL2(2008.0), QL2(2053.0) & QL2(2106.0)	$0.23

TEST PLUGS

TA5/1-ST

TA5/1-ST installed

STB products

PS4

TA5/1-ST	Modular Test Plug for RK2.5	$7.15
TA5/1-Q	Modular Test Plug for RK2.5 - for Cross Connection Bars	$7.15
TA6/1-ST	Modular Test Plug for RK2.5-4, RK2.5-4ZR & RK2.5-4ZRL	$7.15
TA6/1-Q	Modular Test Plug for RK2.5-4, RK2.5-4ZR & ZRL - for Connection Bars	$7.15
TA8/1-ST	Modular Test Plug for RK6-10	$7.84
TA8/1-Q	Modular Test Plug for RK6-10 - for Cross Connection Bars	$7.71
TAD5/1-S	Modular Test Plug for RKD2.5	$14.19
TAD6/1-S	Modular Test Plug for RKD4	$14.19
PS2.3	Test Plug	$4.94
PS4	Test Plug	$6.80
ZS2.3/4	Test Plug Adaptor	$10.40
STB8.5/2.3	Test Socket for PS2.3	$0.55
STB14/2.3	Test Socket for PS2.3	$0.55
STB14/4	Test Socket for PS4	$0.84
STB30.5B	Test Socket for PS4 - Blue	$3.97
STB30.5BL	Test Socket for PS4 - Black	$3.97
STB30.5G	Test Socket for PS4 - Green	$3.97
STB30.5GR	Test Socket for PS4 - Grey	$3.97
STB30.5R	Test Socket for PS4 - Red	$3.97
STB30.5V	Test Socket for PS4 - Violet	$3.97
STB30.5Y	Test Socket for PS4 - Yellow	$3.97

END STOPS

ES35/K/ST

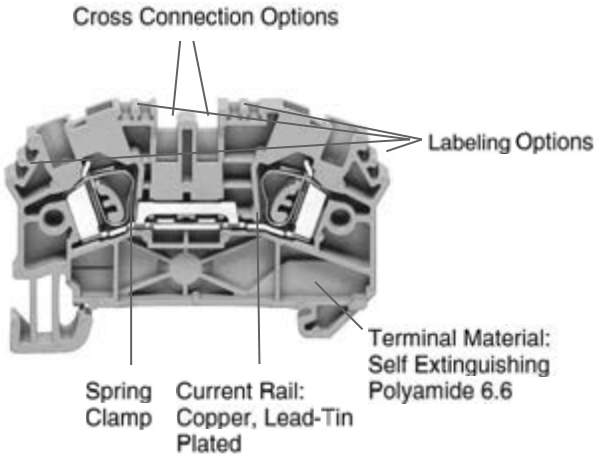
SES35

ES35	Small DIN Rail End Clamp	$1.28
ES35/2/K	Medium two screw End Clamp	$1.79
SES35	Screwless End Stop for TS35 Rail	$1.68
ES35/K/ST	Medium centre screw End Clamp	$4.48
ES32/35	Medium "Combi" Universal End Clamp	$1.79
HES35ST	Heavy Duty Metal DIN Rail End Clamp	$4.98
ES32	Small TS32 Rail End Clamp	$1.28
ES32/35	Medium "Combi" Universal End Clamp	$1.79
HES32ST	Heavy Duty Metal TS32 End Clamp	$5.27

MOUNTING RAIL SUPPORT BRACKETS

TSTW/M5	48mm Mounting Rail Support Bracket	$3.97
TSTW/F/M5	32mm Mounting Rail Support Bracket	$3.84
TST/M5	20mm Mounting Rail Support Bracket	$3.97
BS M5X8	M5 Fastening Screw for TSTW, TSTW/F, TST	$0.97

TECHNICAL INFORMATION



SPRING CLAMP CONNECTION SYSTEM (ZRK)

The spring clamp principle operates similarly to the strain relief clamp principle. The high quality rust and acid resistant tension spring makes contact with the wire against the contact rail. The spring is a connection element which is maintenance free, shock-proof and has a high resistance to vibration.

Arguments for the use of Conta-Clip ZRK series spring clamp connection terminals are: Vibration and shock-proof, shorter connection time and maintenance free.

2.5 mm² MINI SPRING CLAMP TERMINALS

ZSRK2.5/2A

ZSLN2.5/2

ZQI2.5/99

ZQI2.5 installed

ZSRK2.5/2A	Single Level 2.5mm² Spring Clamp Terminal Block - Small Profile	$2.35
ZSRK2.5/3A	Single Level 2.5mm² Spring Clamp Terminal Block - Small Profile - 3 way	$3.14
ZSRK2.5/2AB	Single Level 2.5mm² Spring Clamp Terminal Block - Small Profile - blue	$2.45
ZSRK2.5/3AB	Single Level 2.5mm² Spring Clamp Terminal Block - Small Profile - 3 way blue	$3.27
ZSLN2.5/2A	Earth Single Level 2.5mm² Spring Clamp Terminal Block - Small Profile	$8.62
ZSLN2.5/3A	Earth Single Level 2.5mm² Spring Clamp Terminal Block - Small Profile - 3 way	$9.59
ZAP-SR	End Cover for ZSRK2.5/2A	$0.53
ZAP-SR3A/35	End Cover for ZSRK2.5/3A	$1.10
ZAP-SRB	End Cover for ZSRK2.5/2A - blue	$0.61
ZAP-SRG	End Cover for ZSRK2.5/2A - green	$0.61
ZAP-SR3A/35G	End Cover for ZSRK2.5/3A - green	$1.17
ZES35/2	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 2.5/2	2 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$0.99
ZQI 2.5/3	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$1.99
ZQI 2.5/4	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$2.98
ZQI 2.5/5	5 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$3.95
ZQI 2.5/6	6 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$4.95
ZQI 2.5/7	7 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$5.95
ZQI 2.5/8	8 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$6.93
ZQI 2.5/9	9 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$7.93
ZQI 2.5/10	10 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$8.91
ZQI 2.5/99	99 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals - cutable	$75.45

For more terminal options please check Accessories Pages

2.5 mm² SPRING CLAMP TERMINALS

ZRK2.5/2A

ZRK2.5/3A

ZSL2.5/4A

ZRK2.5/2x2AD

ZRK2.5/2x2A

ZES35

ZQI2.5/2

ZRK2.5/2A	Single Level 2.5mm² Spring Clamp Terminal Block	$2.35
ZRK2.5/3A	Single Level 2.5mm² 3 Connection Spring Clamp Terminal Block	$3.47
ZRK2.5/4A	Single Level 2.5mm² 4 Connection Spring Clamp Terminal Block	$4.53
ZRK2.5/2x2A	Single Level 2.5mm² 4 Connection Spring Clamp Terminal Block - Split	$5.80
ZRK2.5/2x2A/D	Single Level 2.5mm² 4 Connection Spring Clamp Terminal Block - Diode	$10.11
ZRK2.5/2AB	Single Level 2.5mm² Spring Clamp Terminal Block (Blue)	$2.98
ZRK2.5/3AB	Single Level 2.5mm² 3 Connection Spring Clamp Terminal Block (Blue)	$3.76
ZRK2.5/4AB	Single Level 2.5mm² 4 Connection Spring Clamp Terminal Block (Blue)	$4.92
ZRK2.5/2AO	Single Level 2.5mm² Spring Clamp Terminal Block (Orange)	$2.98
ZRK2.5/3AO	Single Level 2.5mm² 3 Connection Spring Clamp Terminal Block (Orange)	$3.76
ZSL2.5/2A	Earth 2.5mm² Spring Clamp Terminal Block	$9.45
ZSL2.5/3A	Earth 2.5mm² 3 Connection Spring Clamp Terminal Block	$10.52
ZSL2.5/4A	Earth 2.5mm² 4 Connection Spring Clamp Terminal Block	$12.47
ZAP2.5/2A	End Cover for ZRK2.5/2A	$1.15
ZAP2.5/3A	End Cover for ZRK2.5/3A	$1.22
ZAP2.5/4A	End Cover for ZRK2.5/4A	$1.28
ZAP2.5/2AB	End Cover for ZRK2.5/2A (Blue)	$1.22
ZAP2.5/3AB	End Cover for ZRK2.5/3A (Blue)	$1.28
ZAP2.5/4AB	End Cover for ZRK2.5/4A (Blue)	$1.35
ZAP2.5/2AO	End Cover for ZRK2.5/2A (Orange)	$1.22
ZAP2.5/2AG	End Cover for ZSL2.5/2A (Green)	$1.22
ZAP2.5/3AG	End Cover for ZSL2.5/3A (Green)	$1.28
ZAP2.5/4AG	End Cover for ZSL2.5/4A (Green)	$1.35
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 2.5/2	2 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$0.99
ZQI 2.5/3	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$1.99
ZQI 2.5/4	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$2.98
ZQI 2.5/5	5 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$3.95
ZQI 2.5/6	6 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$4.95
ZQI 2.5/7	7 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$5.95
ZQI 2.5/8	8 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$6.93
ZQI 2.5/9	9 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$7.93
ZQI 2.5/10	10 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$8.91
ZQI 2.5/99	99 Pole Push-in Cross Connection Bar for Z Series 2.5mm² Terminals - cutable	$75.45

For more terminal options please check Accessories Pages

4 mm² SPRING CLAMP TERMINALS

ZRK4/2A

ZRK4/3A

ZSL4/4A

ZRK4/2x2AD

ZRK4/2x2A

ZES35

ZQI4/2

ZRK4/2A	Single Level 4 mm² Spring Clamp Terminal Block	$3.24
ZRK4/3A	Single Level 4 mm² 3 Connection Spring Clamp Terminal Block	$4.01
ZRK4/4A	Single Level 4 mm² 4 Connection Spring Clamp Terminal Block	$5.01
ZRK4/2x2A	Single Level 4 mm² 4 Connection Spring Clamp Terminal Block - Split	$6.35
ZRK4/2AB	Single Level 4 mm² Spring Clamp Terminal Block (Blue)	$3.41
ZRK4/3AB	Single Level 4 mm² 3 Connection Spring Clamp Terminal Block (Blue)	$4.22
ZRK4/4AB	Single Level 4 mm² 4 Connection Spring Clamp Terminal Block (Blue)	$5.29
ZSL4/2A	Earth 4 mm² Spring Clamp Terminal Block	$9.64
ZSL4/3A	Earth 4 mm² 3 Connection Spring Clamp Terminal Block	$11.31
ZSL4/4A	Earth 4 mm² 4 Connection Spring Clamp Terminal Block	$14.29
ZAP4/2A	End Cover for ZRK4/2A	$1.25
ZAP4/3A	End Cover for ZRK4/3A	$1.35
ZAP4/4A	End Cover for ZRK4/4A	$1.41
ZAP4/2AB	End Cover for ZRK4/2A (Blue)	$1.34
ZAP4/3AB	End Cover for ZRK4/3A (Blue)	$1.41
ZAP4/4AB	End Cover for ZRK4/4A (Blue)	$1.47
ZAP4/2AO	End Cover for ZRK4/2A (Orange)	$1.34
ZAP4/2AG	End Cover for ZSL4/2A (Green)	$1.34
ZAP4/3AG	End Cover for ZSL4/3A (Green)	$1.41
ZAP4/4AG	End Cover for ZSL4/4A (Green)	$1.47
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 4/2	2 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$1.06
ZQI 4/3	3 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$2.14
ZQI 4/4	4 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$3.28
ZQI 4/5	5 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$4.35
ZQI 4/6	6 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$5.41
ZQI 4/7	7 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$5.95
ZQI 4/8	8 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$6.93
ZQI 4/9	9 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$7.93
ZQI 4/10	10 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$8.91

For more terminal options please check Accessories Pages

SPRING CLAMP TERMINALS - 6 / 10 / 16 mm²

CONTACLIP

6 mm² SPRING CLAMP TERMINALS

ZRK6/2A

ZSL6/2A

ZQI 6/2

ZRK6/2A	Single Level 6 mm² Spring Clamp Terminal Block	$4.61
ZRK6/2AB	Single Level 6 mm² Spring Clamp Terminal Block (Blue)	$4.87
ZSL6/2A	Earth 6 mm² Spring Clamp Terminal Block	$11.15
ZAP6/2A	End Cover for ZRK6/2A	$1.35
ZAP6/2AB	End Cover for ZRK6/2A (Blue)	$1.41
ZAP6/2AG	End Cover for ZSL6/2A (Green)	$1.41
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 6/2	2 Pole Push-in Cross Connection Bar for all Z Series 6mm² Terminals	$1.49
ZQI 6/3	3 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$2.99
ZQI 6/4	4 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$4.40
ZQI 6/5	5 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$5.95
ZQI 6/6	6 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$8.91
ZQI 6/7	7 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$10.41
ZQI 6/8	8 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$11.89
ZQI 6/9	9 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$13.37
ZQI 6/10	10 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$14.86

For more terminal options please check Accessories Pages

10 mm² SPRING CLAMP TERMINALS

ZRK10/2A

ZQI 10/2

ZRK10/2A	Single Level 10 mm² Spring Clamp Terminal Block	$5.41
ZRK10/2AB	Single Level 10 mm² Spring Clamp Terminal Block (Blue)	$5.73
ZSL10/2A	Earth 10 mm² Spring Clamp Terminal Block	$12.40
ZAP10/2A	End Cover for ZRK10/2A	$1.54
ZAP10/2AB	End Cover for ZRK10/2A (Blue)	$1.66
ZAP10/2AG	End Cover for ZRK10/2A (Green)	$1.66
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 10/2	2 Pole Push-in Cross Connection Bar for all Z Series 10mm² Terminals	$2.88

For more terminal options please check Accessories Pages

16 mm² SPRING CLAMP TERMINALS

ZRK16/2A

ZQI 16/2

ZRK16/2A	Single Level 16 mm² Spring Clamp Terminal Block	$5.95
ZRK16/2AB	Single Level 16 mm² Spring Clamp Terminal Block (Blue)	$6.30
ZSL16/2A	Earth 16 mm² Spring Clamp Terminal Block	$16.04
ZAP16/2A	End Cover for ZRK16/2A	$1.73
ZAP16/2AB	End Cover for ZRK16/2A (Blue)	$1.86
ZAP16/2AG	End Cover for ZRK16/2A (Green)	$1.86
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 16/2	2 Pole Push-in Cross Connection Bar for all Z Series 16mm² Terminals	$3.55

For more terminal options please check Accessories Pages

2.5 mm² DUAL LEVEL SPRING CLAMP TERMINALS

ZRKD2.5

ZRKD2.5SV

ZRKD2.5N-PE

ZRKD2.5DU-PE

ZRKD2.5	Dual Level 2.5mm² Spring Clamp Terminal Block	$6.59
ZRKD2.5SV	Dual Level 2.5mm² Terminal Block - Link between Upper & Lower Level	$11.81
ZRKD2.5N-DU	Dual Level 2.5mm² Spring Clamp Terminal Block - Neutral Identification	$7.21
ZRKD2.5DU-PE	Dual Level 2.5mm² Spring Clamp Terminal Block - Lower Terminal Earth	$12.88
ZRKD2.5N-PE	Dual Level 2.5mm² Spring Clamp Terminal Block - Neutral & Earth	$13.44
ZRKD2.5/D6	Dual Level 2.5mm² Spring Clamp Terminal with Diode	$13.85
ZRKD2.5LED2	Dual Level 2.5mm² Spring Clamp Terminal with LED indication	$13.85
ZAPD2.5	End Cover for ZRDK2.5	$1.92
ZAPD2.5B	End Cover for ZRDK2.5 (Blue)	$1.99
ZAPD2.5O	End Cover for ZRDK2.5 (Orange)	$1.99
ZBA1	ZRKD Series Marking Adaptor	$1.21
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 2.5/2	2 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$0.99
ZQI 2.5/3	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$1.99
ZQI 2.5/4	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$2.98
ZQI 2.5/5	5 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$3.95
ZQI 2.5/6	6 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$4.95
ZQI 2.5/7	7 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$5.95
ZQI 2.5/8	8 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$6.93
ZQI 2.5/9	9 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$7.93
ZQI 2.5/10	10 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$8.91
ZVQI2.5	Z Series Vertical Link	$1.60
ZQI 2.5/99	99 Pole Push-in Cross Connection Bar for Z Series 2.5mm² Terminals - cutable	$75.45

For more terminal options please check Accessories Pages

2.5 mm² MULTIPLE LEVEL SPRING CLAMP TERMINALS

ZIKD2.5

ZVMAK2.5

ZVQI2.5

ZIKD2.5	Three Level 2.5mm² Spring Clamp Terminal	$10.41
ZIKD2.5B	Three Level 2.5mm² Spring Clamp Terminal (Blue)	$10.53
ZIKD2.5SV	Three Level 2.5mm² Spring Clamp Terminal - Link between Upper & Lower Terminal	$12.98
ZIKD2.5PE	Three Level 2.5mm² Spring Clamp Terminal - Lower Terminal Earth	$19.30
ZIKD2.5PE-L-N	Three Level 2.5mm² Spring Clamp Terminal - Lower Terminal Earth, others Identified	$19.30
ZIKD2.5/SVPE	Three Level 2.5mm² Spring Clamp Terminal - Earth Terminal	$22.12
ZAP/ID2.5	End Cover for ZIDK 2.5	$2.45
ZVMAK2.5	Three Level plus Earth 2.5mm² Spring Clamp Terminal	$16.72
ZAP/VMAK2.5	End Cover for ZVMAK2.5	$2.57
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 2.5/2	2 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$0.99
ZQI 2.5/10	10 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$8.91
ZVQI2.5	Z Series Vertical Link	$1.60
ZQI 2.5/99	99 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals - cutable	$75.45

For more terminal options please check Accessories Pages

SPRING CLAMP TERMINALS - DISCONNECT / FUSE

CONTACLIP

KNIFE BLADE DISCONNECT 2.5 mm² SPRING CLAMP TERMINALS

ZTRK2.5/2A/MT

ZTRK2.5/2A/MT	2.5 mm² Knife Blade Disconnect Spring Clamp Terminal	$7.88
ZTRK2.5/3A/MT	2.5 mm² Knife Blade Disconnect Spring Clamp Terminal - 3 connection	$8.38
ZTRK2.5/4A/MT	2.5 mm² Knife Blade Disconnect Spring Clamp Terminal - 4 connection	$9.73
ZAPT2.5/2A	End Cover for ZTRK2.5 Series Terminal	$1.31
ZAPT2.5/3A	End Cover for ZTRK2.5 Series Terminal - 3 connection	$1.36
ZAPT2.5/4A	End Cover for ZTRK2.5 Series Terminal - 4 connection	$1.41

For more terminal options please check Accessories Pages

INSERT TYPE DISCONNECT 2.5 mm² SPRING CLAMP TERMINALS

ZTRK2.5/4A/ST

ZTRK2.5/2A/ST	2.5 mm² Insert Type Disconnect Spring Clamp Terminal	$14.09
ZTRK2.5/3A/ST	2.5 mm² Insert Type Disconnect Spring Clamp Terminal - 3 connection	$14.53
ZTRK2.5/4A/ST	2.5 mm² Insert Type Disconnect Spring Clamp Terminal - 4 connection	$15.30
ZAPT2.5/2A	End Cover for ZTRK2.5 Series Terminal	$1.31
ZAPT2.5/3A	End Cover for ZTRK2.5 Series Terminal - 3 connection	$1.36
ZAPT2.5/4A	End Cover for ZTRK2.5 Series Terminal - 4 connection	$1.41

For more terminal options please check Accessories Pages

AUTO FUSE / DIODE INSERT 2.5 mm² SPRING CLAMP TERMINALS

ZTRK2.5/4A/OT

SI-C0.5A

Diode Insert ZDS2/ZTR

ZTRK2.5/2A/OT	2.5 mm² Insert Base Only Spring Clamp Terminal	$6.95
ZTRK2.5/3A/OT	2.5 mm² Insert Base Only Spring Clamp Terminal - 3 connection	$7.44
ZTRK2.5/4A/OT	2.5 mm² Insert Base Only Spring Clamp Terminal - 4 connection	$8.84
ZDS1/ZTR	Insert for ZTRK2.5/XA/OT - Solid Link	$6.67
ZDS2/ZTR	Insert for ZTRK2.5/XA/OT - Diode Link (Diode 1N4007)	$9.35
ZDS3/ZTR	Insert for ZTRK2.5/XA/OT - Diode Link (Diode 1N4007)	$9.35
ZDS4/ZTR	Insert for ZTRK2.5/XA/OT - Open Link	$6.15
SI-C0.5A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 0.5A/32V	$2.18
SI-C1A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 1A/32V	$2.18
SI-C2A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 2A/32V	$2.18
SI-C3A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 3A/32V	$2.18
SI-C4A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 4A/32V	$2.18
SI-C5A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 5A/32V	$2.18
SI-C7.5A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 7.5A/32V	$2.18
SI-C10A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 10A/32V	$2.18
SI-C15A	Auto Type Fuse suitable for ZTRK2.5/XA/OT - 15A/32V	$2.18
ZAPT2.5/2A	End Cover for ZTRK2.5 Series Terminal	$1.31
ZAPT2.5/3A	End Cover for ZTRK2.5 Series Terminal - 3 connection	$1.36
ZAPT2.5/4A	End Cover for ZTRK2.5 Series Terminal - 4 connection	$1.41

For more terminal options please check Accessories Pages

FUSE 2.5 mm² SPRING CLAMP TERMINALS

ZTRK2.5/2A/ZS

ZTRK2.5/3A/ZS

ZTRK2.5/4A/OT

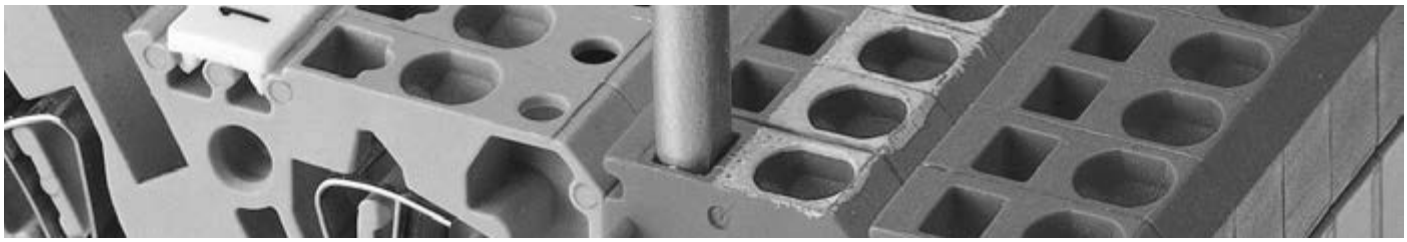
ZTRK...ZS installed

ZTRK2.5/2A/ZS	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse Link	$14.09
ZTRK2.5/2A/ZS36	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 10V-36V Indication	$24.20
ZTRK2.5/2A/ZS70	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 35V-70V Indication	$24.20
ZTRK2.5/2A/ZS150	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 60V-150V Indication	$24.20
ZTRK2.5/2A/ZS250	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 140V-250V Indication	$24.20
ZTRK2.5/3A/ZS	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse Links - 2/1	$15.05
ZTRK2.5/3A/ZS36	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 10V-36V Indic.- 2/1	$25.43
ZTRK2.5/3A/ZS70	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 35V-70V Indic.- 2/1	$25.43
ZTRK2.5/3A/ZS150	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 60V-150V Indic.- 2/1	$25.43
ZTRK2.5/3A/ZS250	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 140V-250V Indic.- 2/1	$25.43
ZTRK2.5/4A/ZS	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse Links - 2/2	$16.21
ZTRK2.5/4A/ZS36	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 10V-36V Indication - 2/2	$26.91
ZTRK2.5/4A/ZS70	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 35V-70V Indication - 2/2	$26.91
ZTRK2.5/4A/ZS150	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 60V-150V Indic.- 2/2	$26.91
ZTRK2.5/4A/ZS250	2.5 mm² Fuse Terminal - 6.3 Amp - 5x20 Fuse - 140V-250V Indic.- 2/2	$26.91
ZTRK2.5/2A/OT	2.5 mm² Insert Base Spring Clamp Terminal	$6.95
ZTRK2.5/3A/OT	2.5 mm² Insert Base Spring Clamp Terminal - 3 connection	$7.44
ZTRK2.5/4A/OT	2.5 mm² Insert Base Spring Clamp Terminal - 4 connection	$8.84
ZS/HO/ZTR	Insert for ZTRK2.5/XA/OT - 6.3 Amp - 5x20 Fuse Link	$8.58
ZS/H1/ZTR	Insert for ZTRK2.5/XA/OT - 6.3 Amp - 5x20 Fuse Link - 10V-36V Indication	$17.94
ZS/H2/ZTR	Insert for ZTRK2.5/XA/OT - 6.3 Amp - 5x20 Fuse Link - 35V-70V Indication	$17.94
ZS/H3/ZTR	Insert for ZTRK2.5/XA/OT - 6.3 Amp - 5x20 Fuse Link - 60V-150V Indication	$17.94
ZS/H4/ZTR	Insert for ZTRK2.5/XA/OT - 6.3 Amp - 5x20 Fuse Link - 140V-250V Indication	$17.94
ZAPT2.5/2A	End Cover for ZTRK2.5 Series Terminal	$1.31
ZAPT2.5/3A	End Cover for ZTRK2.5 Series Terminal - 3 connection	$1.36
ZAPT2.5/4A	End Cover for ZTRK2.5 Series Terminal - 4 connection	$1.41

For more terminal options please check Accessories Pages

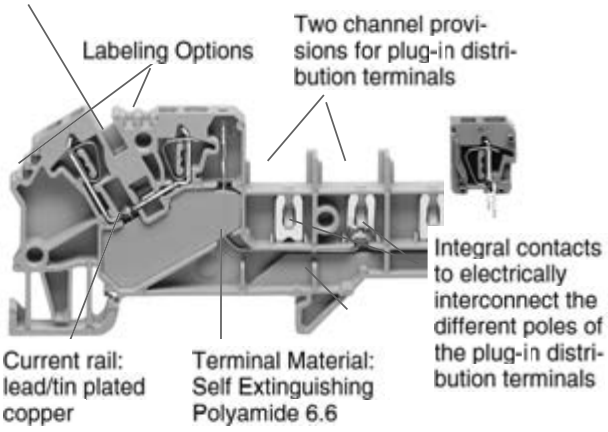
SPRING CLAMP TERMINALS - ZINI ZAKTO

CONTACLIP



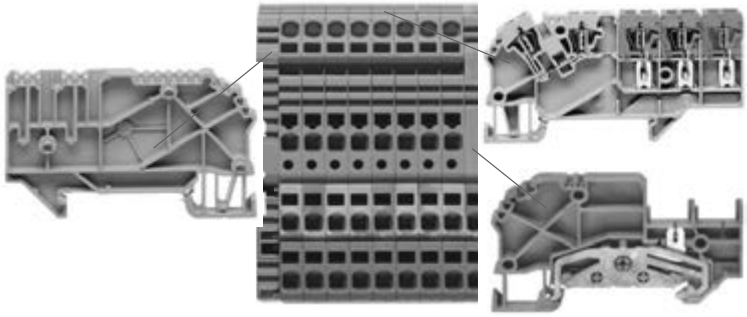
TECHNICAL INFORMATION

Signal terminal cross connection option



ZINI ZAKTO TERMINAL ASSEMBLY

Consisting of:: 8x ZIZA1.5/4, 1x ZIZA1.5/4/PE, 1x ZAP/TW, ZI-ZA 1.5/4 and 9 x ZPL1.5B, 9 x ZPL1.5BR, 9 x ZPL1.5PE



1.5 mm² SENSOR / ACTUATOR CONTROL SPRING CLAMP TERMINAL SYSTEM - ZINI ZAKTO

ZIZA1.5/3

ZIZA1.5/3/PE

Connecting Zini Zakto

Assembled Zini Zakto

ZIZA1.5/3	3 Pole 1.5mm² Zini Zakto Spring Clamp Terminal Base Block	$4.20
ZIZA1.5/3/PE	3 Pole 1.5mm² Zini Zakto Spring Clamp Terminal Base Block (including Earth	$20.50
ZIZA1.5/4	4 Pole 1.5mm² Zini Zakto Spring Clamp Terminal Base Block	$4.46
ZIZA1.5/4/PE	4 Pole 1.5mm² Zini Zakto Spring Clamp Terminal Base Block (including Earth	$21.14
ZPL1.5	Zini Zakto 1.5mm² Spring Clamp Terminal Potential Distributor Block	$2.32
ZPL1.5B	Zini Zakto 1.5mm² Spring Clamp Terminal Potential Distributor Block (Blue)	$2.32
ZPL1.5BR	Zini Zakto 1.5mm² Spring Clamp Terminal Potential Distributor Block (Brown)	$2.32
ZPL1.5PE	Zini Zakto 1.5mm² Spring Clamp Terminal Potential Distributor Block (Green)	$2.32
ZAP/ZIZA1.5/3	Zini Zakto 3 Pole Zini Zakto Spring Clamp Terminal End Cover	$1.57
ZAP/ZIZA1.5/4	Zini Zakto 4 Pole Zini Zakto Spring Clamp Terminal End Cover	$1.60
ZES35/2	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZQI 2.5/2	2 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$0.99
ZQI 2.5/3	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$1.99
ZQI 2.5/4	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$2.98
ZQI 2.5/5	5 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$3.95
ZQI 2.5/6	6 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$4.95
ZQI 2.5/7	7 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$5.95
ZQI 2.5/8	8 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$6.93
ZQI 2.5/9	9 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$7.93
ZQI 2.5/10	10 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$8.91
ZQI 2.5/99	99 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals - cutable	$75.45

For more terminal options please check Accessories Pages

PUSH-IN CROSS CONNECTION BARS

ZQI2.5/2

ZQI2.5/99

ZQI installed

ZQI installed

ZQI 2.5/2	2 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$0.99
ZQI 2.5/3	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$1.99
ZQI 2.5/4	3 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$2.98
ZQI 2.5/5	5 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$3.95
ZQI 2.5/6	6 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$4.95
ZQI 2.5/7	7 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$5.95
ZQI 2.5/8	8 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$6.93
ZQI 2.5/9	9 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$7.93
ZQI 2.5/10	10 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals	$8.91
ZQI 2.5/99	99 Pole Push-in Cross Connection Bar for all Z Series 2.5mm² Terminals - cutable	$75.45
ZQI 4/2	2 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$1.06
ZQI 4/3	3 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$2.14
ZQI 4/4	4 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$3.28
ZQI 4/5	5 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$4.35
ZQI 4/6	6 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$5.41
ZQI 4/7	7 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$5.95
ZQI 4/8	8 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$6.93
ZQI 4/9	9 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$7.93
ZQI 4/10	10 Pole Push-in Cross Connection Bar for all Z Series 4 mm² Terminals	$8.91
ZQI 6/2	2 Pole Push-in Cross Connection Bar for all Z Series 6mm² Terminals	$1.49
ZQI 6/3	3 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$2.99
ZQI 6/4	4 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$4.40
ZQI 6/5	5 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$5.95
ZQI 6/6	6 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$8.91
ZQI 6/7	7 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$10.41
ZQI 6/8	8 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$11.89
ZQI 6/9	9 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$13.37
ZQI 6/10	10 Pole Push-in Cross Connection Bar for all Z Series 6 mm² Terminals	$14.86
ZQI 10/2	2 Pole Push-in Cross Connection Bar for all Z Series 10mm² Terminals	$2.88
ZQI 16/2	2 Pole Push-in Cross Connection Bar for all Z Series 16mm² Terminals	$3.55

TERMINAL COMPONENTS

ZAD2.5/4B

ZTA2.5 installed

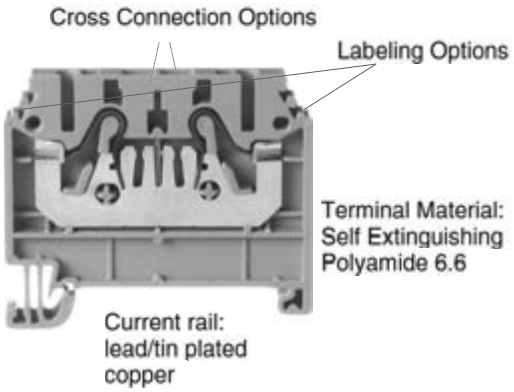
BWMA1

ZES35	Z Series Push-in End Clamp	$1.54
ZES35/2	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZAD2.5/4B	Warning Cover for ZRK2.5 Terminals - 4 way	$0.64
ZAD4/4B	Warning Cover for ZRK4 Terminals - 4 way	$0.71
ZAD6/4B	Warning Cover for ZRK6 Terminals - 4 way	$0.77
ZTA2.5	Test Plug for ZRK2.5 Terminals	$15.61
ZTA4	Test Plug for ZRK4 Terminals	$16.72
ZVQI2.5	Z Series Vertical Link	$1.60
ZSchT1	Marking Carrier for ZES35	$1.76
ZSchT2	Marking Carrier for ZES35	$1.76
ZSchT3	Marking Carrier for ZES35	$1.76
ZSchT4	Marking Carrier for ZES35	$1.76
ZSchT5	Marking Carrier for ZES35	$1.47
ESO	Blank Tag Insert for ZSchT1, ZSchT2, ZSchT3, ZSchT4 - 10 Tags	$0.77
ESO3	Blank Tag Insert for ZSchT5 - 10 Tags	$0.77
STR	Protective Cover for ESO	$0.30
STR3	Protective Cover for ESO3	$0.30
BW1	2.5mm² Spring Clamp Terminal Insertion Tool - 1 Pole	$9.71
BW5	2.5mm² Spring Clamp Terminal Insertion Tool - 5 Pole	$16.98
BWMA 1	Spring Clamp Terminal Metal Insertion Tool	$34.83

PRESSURE SPRING (PUSH-IN) TERMINALS

CONTACLIP

TECHNICAL INFORMATION

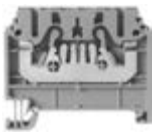


PRESSURE SPRING CONNECTION SYSTEM (FRK)

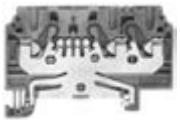
CONTA-CLIP was the first company in the world to release their pressure spring connection terminal range. The FRK system offers the easiest installation with maximum contact security! This connection element unites the advantages of the spring clamp terminal with the possibility to connect wires without tools!

Solid conductors or stranded conductors with ferrules can be inserted directly into the terminal. Connection with the contact rail is established automatically when the wire is inserted. Arguments for the pressure spring terminals are: direct connection without the need of tools, easy-to-use, compact construction and saves up to 80% wiring time.

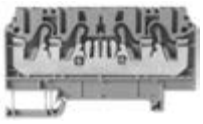
1.5 mm² PRESSURE SPRING (PUSH-IN) TERMINALS



FRK1.5/2A



FSL1.5/3A



FRK1.5/4A

FRK1.5/2A	Single Level 1.5mm² Push-in Spring Clamp Terminal Block	$2.37
FRK1.5/2AB	Single Level 1.5mm² Push-in Spring Clamp Terminal Block (Blue)	$2.44
FRK1.5/3A	Single Level 1.5mm² 3 Connection Push-in Spring Clamp Terminal Block	$2.77
FRK1.5/3AB	Single Level 1.5mm² 3 Connection Push-in Spring Clamp Terminal Block (Blue)	$2.87
FRK1.5/4A	Single Level 1.5mm² 4 Connection Push-in Spring Clamp Terminal Block	$3.90
FRK1.5/4AB	Single Level 1.5mm² 4 Connection Push-in Spring Clamp Terminal Block (Blue)	$4.02
FSL1.5/2A	Earth 1.5mm² Push-in Spring Clamp Terminal Block	$8.87
FSL1.5/3A	Earth 1.5mm² 3 Connection Push-in Spring Clamp Terminal Block	$10.35
FSL1.5/4A	Earth 1.5mm² 4 Connection Push-in Spring Clamp Terminal Block	$11.10
FAP1.5-4/2A	End Cover for FRK1.5/2A	$1.34
FAP1.5/3A	End Cover for FRK1.5/3A	$1.38
FAP1.5/4A	End Cover for FRK1.5/2A	$1.43
FAP1.5-4/2AB	End Cover for FRK1.5/2A (Blue)	$1.37
FAP1.5/3AB	End Cover for FRK1.5/3A (Blue)	$1.43
FAP1.5/4AB	End Cover for FRK1.5/4A (Blue)	$1.49
FAP1.5-4/2AG	End Cover for FSL1.5/2A (Green)	$1.37
FAP1.5/3AG	End Cover for FL1.5/3A (Green)	$1.43
FAP1.5/4AG	End Cover for FSL1.5/4A (Green)	$1.49

FRK1.5 Pressure Spring Terminals continue on next page

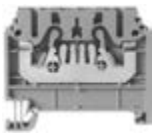
1.5 mm² PRESSURE SPRING (PUSH-IN) TERMINALS - continued

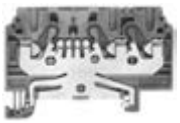
FQI1.5/3 installed

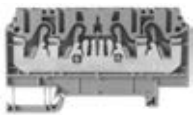
FQI 1.5/2	2 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$1.23
FQI 1.5/3	3 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$1.97
FQI 1.5/4	3 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$2.73
FQI 1.5/5	5 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$3.45
FQI 1.5/6	6 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$4.44
FQI 1.5/7	7 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$5.42
FQI 1.5/8	8 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$6.42
FQI 1.5/9	9 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$7.41
FQI 1.5/10	10 Pole Push-in Cross Connection Bar for all FRK 1.5mm² Terminals	$8.38

For more terminal options please check Accessories Pages

2.5 mm² PRESSURE SPRING (PUSH-IN) TERMINALS


FRK2.5/2A


FSL2.5/3A

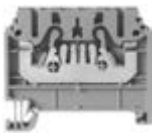

FRK2.5/4A

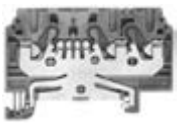
FQI2.5 installed

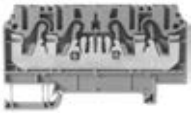
FRK2.5/2A	Single Level 2.5mm² Push-in Spring Clamp Terminal Block	$2.73
FRK2.5/2AB	Single Level 2.5mm² Push-in Spring Clamp Terminal Block (Blue)	$2.78
FRK2.5/3A	Single Level 2.5mm² 3 Connection Push-in Spring Clamp Terminal Block	$3.20
FRK2.5/3AB	Single Level 2.5mm² 3 Connection Push-in Spring Clamp Terminal Block (Blue)	$3.28
FRK2.5/4A	Single Level 2.5mm² 4 Connection Push-in Spring Clamp Terminal Block	$4.44
FRK2.5/4AB	Single Level 2.5mm² 4 Connection Push-in Spring Clamp Terminal Block (Blue)	$4.53
FSL2.5/2A	Earth 2.5mm² Push-in Spring Clamp Terminal Block	$9.37
FSL2.5/3A	Earth 2.5mm² 3 Connection Push-in Spring Clamp Terminal Block	$10.86
FSL2.5/4A	Earth 2.5mm² 4 Connection Push-in Spring Clamp Terminal Block	$12.79
FAP1.5-4/2A	End Cover for FRK2.5/2A	$1.34
FAP2.5/3A	End Cover for FRK2.5/3A	$1.40
FAP2.5/4A	End Cover for FRK2.5/2A	$1.46
FAP1.5-4/2AB	End Cover for FRK2.5/2A (Blue)	$1.37
FAP2.5/3AB	End Cover for FRK2.5/3A (Blue)	$1.46
FAP2.5/4AB	End Cover for FRK2.5/4A (Blue)	$1.51
FAP1.5-4/2AG	End Cover for FSL2.5/2A (Green)	$1.37
FAP2.5/3AG	End Cover for FSL2.5/3A (Green)	$1.46
FAP2.5/4AG	End Cover for FSL2.5/4A (Green)	$1.51
FQI 2.5/2	2 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$1.25
FQI 2.5/3	3 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$2.00
FQI 2.5/4	3 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$2.96
FQI 2.5/5	5 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$3.94
FQI 2.5/6	6 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$4.93
FQI 2.5/7	7 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$5.92
FQI 2.5/8	8 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$6.91
FQI 2.5/9	9 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$7.89
FQI 2.5/10	10 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$8.87

For more terminal options please check Accessories Pages

4mm² PRESSURE SPRING (PUSH-IN) TERMINALS


FRK4/2A


FSL4/3A


FRK4/4A

FQI4 installed

FRK4/2A	Single Level 4mm² Push-in Spring Clamp Terminal Block	$3.58
FRK4/2AB	Single Level 4mm² Push-in Spring Clamp Terminal Block (Blue)	$3.58
FRK4/3A	Single Level 4mm² 3 Connection Push-in Spring Clamp Terminal Block	$5.07
FRK4/3AB	Single Level 4mm² 3 Connection Push-in Spring Clamp Terminal Block (Blue)	$5.07
FRK4/4A	Single Level 4mm² 4 Connection Push-in Spring Clamp Terminal Block	$5.66
FRK4/4AB	Single Level 4mm² 4 Connection Push-in Spring Clamp Terminal Block (Blue)	$5.66
FSL4/2A	Earth 4mm² Push-in Spring Clamp Terminal Block	$10.25
FSL4/3A	Earth 4mm² 3 Connection Push-in Spring Clamp Terminal Block	$12.12
FSL4/4A	Earth 4mm² 4 Connection Push-in Spring Clamp Terminal Block	$12.91
FAP1.5-4/2A	End Cover for FRK4/2A	$1.34
FAP4/3A	End Cover for FRK4/3A	$1.63
FAP4/4A	End Cover for FRK4/4A	$1.69
FAP1.5-4/2AB	End Cover for FRK4/2A (Blue)	$1.37
FAP4/3AB	End Cover for FRK4/3A (Blue)	$1.63
FAP4/4AB	End Cover for FRK4/4A (Blue)	$1.69
FAP1.5-4/2AG	End Cover for FSL4/2A (Green)	$1.37
FAP4/3AG	End Cover for FSL2.5/3A (Green)	$1.63
FAP4/4AG	End Cover for FSL4/4A (Green)	$1.69
FQI 4/2	2 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$1.06
FQI 4/3	3 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$2.13
FQI 4/4	3 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$3.28
FQI 4/5	5 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$4.35
FQI 4/6	6 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$5.41
FQI 4/7	7 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$5.95
FQI 4/8	8 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$6.93
FQI 4/9	9 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$7.93
FQI 4/10	10 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$8.92

For more terminal options please check Accessories Pages

DUAL LEVEL 2.5 mm² PRESSURE SPRING (PUSH-IN) TERMINALS

FRKD2.5

FQI2.5/3 installed

FRKD2.5	Dual Level 2.5mm² Push-in Terminal	$6.59
FRKD2.5SV	Dual Level 2.5mm² Push-in Terminal - Link between Upper & Lower Terminal	$11.81
FSLD2.5	Earth Dual Level 2.5mm² Push-in Terminal	$12.15
FAPD2.5	End Cover for FRKD2.5	$2.02
FAPD2.5G	End Cover for FSLD2.5	$2.02
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
FQI 2.5/2	2 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$1.25
FQI 2.5/3	3 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$2.00
FQI 2.5/4	3 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$2.96
FQI 2.5/5	5 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$3.94
FQI 2.5/6	6 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$4.93
FQI 2.5/7	7 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$5.92
FQI 2.5/8	8 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$6.91
FQI 2.5/9	9 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$7.89
FQI 2.5/10	10 Pole Push-in Cross Connection Bar for all FRK 2.5mm² Terminals	$8.87
ZVQI2.5	Z Series Vertical Link	$1.60

For more terminal options please check Accessories Pages

THREE LEVEL 4 mm² PRESSURE SPRING (PUSH-IN) TERMINALS

FDLIS2.5-4N/L/PE

FQI2.5/2

FDLIS2.5-4N/L/PE	Three Level 4mm² Push-in Terminal - L, N & Earth	$9.04
FDLIS2.5-4L/L/PE	Three Level 4mm² Push-in Terminal - L, L & Earth	$9.04
FDLIS2.5-4L/L	Three Level 4mm² Push-in Terminal - L & L	$6.80
FAP4/S	End Cover for FLDIS Series	$2.02
ZES35	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
FQI 2.5-4/2	2 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$1.25
FQI 2.5-4/3	3 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$2.00
FQI 2.5-4/4	4 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$2.96
FQI 2.5-4/5	5 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$3.94
FQI 2.5-4/6	6 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$4.93
FQI 2.5-4/7	7 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$5.92
FQI 2.5-4/8	8 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$6.91
FQI 2.5-4/9	9 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$7.89
FQI 2.5-4/10	10 Pole Push-in Cross Connection Bar for FDLIS Series 4mm² Terminals	$8.87

For more terminal options please check Accessories Pages

PRESSURE SPRING (PUSH-IN) FUSE TERMINALS

FSIK4/2

FQI4/2

FSIK4/2	4mm² Push-in spring clamp Fuse Terminal for 5x20 fuse link	$10.83
FSIK4/2/LED/12-30	4mm² Push-in spring clamp Fuse Terminal with indication - 12-30VAC/DC	$25.67
FSIK4/2/LED/30-60	4mm² Push-in spring clamp Fuse Terminal with indication - 30-60VAC/DC	$25.67
FSIK4/2/LED/110-250	4mm² Push-in Fuse Terminal with indication - 110-250VAC/DC	$25.67
FAPSI	End cover for FSIK4/2 Fuse Terminals	$1.16
FQI 4/2	2 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$1.06
FQI 4/3	3 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$2.13
FQI 4/4	3 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$3.28
FQI 4/5	5 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$4.35
FQI 4/6	6 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$5.41
FQI 4/7	7 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$5.95
FQI 4/8	8 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$6.93
FQI 4/9	9 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$7.93
FQI 4/10	10 Pole Push-in Cross Connection Bar for all FRK 4mm² Terminals	$8.92

PRESSURE SPRING (PUSH-IN) TERMINAL ACCESSORIES

ZES35

ZES35/2

ZES35	Z Series Push-in End Clamp	$1.54
ZES35/2	End Stop for Small Profile Spring Clamp Terminal Range	$1.54
ZSchT1	Marking Carrier for ZES35	$1.76
ZSchT2	Marking Carrier for ZES35	$1.76
ZSchT3	Marking Carrier for ZES35	$1.76
ZSchT4	Marking Carrier for ZES35	$1.76
ZSchT5	Marking Carrier for ZES35	$1.47
ESO	Blank Tag Insert for ZSchT1, ZSchT2, ZSchT3, ZSchT4 - 10 Tags	$0.77
ESO3	Blank Tag Insert for ZSchT5 - 10 Tags	$0.77
STR	Protective Cover for ESO	$0.30
STR3	Protective Cover for ESO3	$0.30

TERMINAL MARKING SOLUTIONS

MCBSTR6/120P installed

AS3/10G (.....) installed

MCSB4/200P	Terminal Marker - 4 mm wide - **Maxicard** of 200 Markers (4946.7)	$56.36
MCSB5/200P	Terminal Marker - 5 mm wide - **Maxicard** of 200 Markers (3300.7)	$56.36
MCSB6/200P	Terminal Marker - 6 mm wide - **Maxicard** of 200 Markers (3301.7)	$56.36
MCSB8/160P	Terminal Marker - 8 x 8 mm - **Maxicard** of 160 Markers (3328.7)	$49.66
MCBSTR5/144P	Terminal Marker - 5 x 10 mm - **Maxicard** of 144 Markers (3309.7)	$42.41
MCBSTR5/144MIP	Terminal Marker - 5 x 10 mm - **Maxicard** of 144 Markers (3310.7)	$42.41
MCBSTR5x12/144P	Terminal Marker - 5 x 12 mm - **Maxicard** of 144 Markers (3380.7)	$50.89
MCBSTR6/120P	Terminal Marker - 6 x 12 mm - **Maxicard** of 120 Markers (3314.7)	$35.36
MCSB8/160P	Terminal Marker - 8 x 12 mm - **Maxicard** of 84 Markers (9406.7)	$29.83
MCBSTR10x12/40P	Terminal Marker - 10 x 12 mm - **Maxicard** of 40 Markers (9408.7)	$14.48
AS3/10G (.....)	Marking Letter, Numbers (in Strips of 10) - Numbers, Letters & Symbols	$1.10

MARKER HOLDERS - FOR TERMINALS & END STOPS

SchT4 fitted with Markers

SchT7 installed

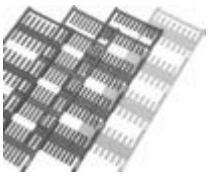
SchT9 installed

GT2 with Accessories

SchT3/AS3/10	AS3/10 Terminal Marker Carrier - 3 Numbers	$0.51
SchT4/AS3/10	AS3/10 Terminal Marker Carrier - 3 Numbers	$0.53
SchT5/AS3/10	AS3/10 Terminal Marker Carrier - 3 Numbers	$0.56
SchT6/AS3/10	AS3/10 Terminal Marker Carrier - 3 Numbers	$0.60
SchT4/8	Terminal Marker Carrier for 4xSB or 8xAS3/10 markers	$1.76
SchT6/12	Terminal Marker Carrier for 6xSB or 12xAS3/10 markers	$1.81
SchT7	Terminal Marker Carrier with Short Joint	$2.01
SchT7L	Terminal Marker Carrier with Long Joint	$2.01
ESO	Blank Tag Insert for SchT7 & SchT7L - Strip of 10	$0.77
STR	Protective Strip for ESO	$0.30
SchT2	Terminal Marker Carrier to be used with ES../K/ST	$1.40
ESO2	Blank Tag Insert for SchT2 - Strip of 10	$0.77
STR2	Protective Strip for ESO2	$0.30
SchT9P	Group Marker for ES35/2/K & ES35/K/ST end stop - 8mm wide	$1.95
SchT10P	Group Marker for ES35/K/ST end stop - 9.5mm wide	$2.04
ZSchT1	Marking Carrier for ZES35	$1.76
ZSchT3	Marking Carrier for ZES35	$1.76
ZSchT4	Marking Carrier for ZES35	$1.76
ZSchT5	Marking Carrier for ZES35	$1.47
ESO	Blank Tag Insert for ZSchT1, ZSchT2, ZSchT3, ZSchT4 - 10 Tags	$0.77
ESO3	Blank Tag Insert for ZSchT5 - 10 Tags	$0.77
STR	Protective Cover for ESO	$0.30
STR3	Protective Cover for ESO3	$0.30
ZSchT6P	Group Marker for ZES35 end stop - Printed	$2.55
GT1	Group Marker Holder - 9.5mm wide	$2.32
ES0-GT1	Complete sheet of 140 blank insert for GT1 Holder	$5.93
STR-GT1	Protective cover for E50-GT1	$0.54
GT2	Group Marker Holder 19.5mm wide	$2.54
ES0-GT2	Complete sheet of 60 blank insert for GT2 Holder	$5.93
STR-GT2	Protective cover for E50-GT2	$0.56

SchT9P & SchT10P & ZschT6P are printed to order - please submit with Excel Spreadsheet

PRINTED CABLE MARKING SOLUTIONS - SLEEVE INSERT TYPE


MCESS15/80 range

MCESS range installed

MCESS range installed

MCESS range with sleeve

MCESS12/64WP	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - white (3316.7)	$28.69
MCESS12/64BP	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - blue (3316.5)	$28.69
MCESS12/64RP	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - red (3316.9)	$28.69
MCESS12/64YP	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - yellow (3316.8)	$28.69
MCESS12/64GP	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - green (3316.1)	$28.69
MCESS12/64OP	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - orange (3316.3)	$28.69
MCESS15/80WP	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - white (3317.7)	$36.88
MCESS15/80BP	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - blue (3317.5)	$36.88
MCESS15/80RP	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - red (3317.9)	$36.88
MCESS15/80YP	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - yellow (3317.8)	$36.88
MCESS15/80GP	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - green (3317.1)	$36.88
MCESS15/80OP	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - orange (3317.3)	$36.88
MCESS18/64WP	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - white (3318.7)	$31.14
MCESS18/64BP	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - blue (3318.5)	$31.14
MCESS18/64RP	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - red (3318.9)	$31.14
MCESS18/64YP	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - yellow (3318.8)	$31.14
MCESS18/64GP	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - green (3318.1)	$31.14
MCESS18/64OP	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - orange (3318.3)	$31.14
MCESS20/80WP	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - white (3319.7)	$39.97
MCESS20/80BP	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - blue (3319.5)	$39.97
MCESS20/80RP	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - red (3319.9)	$39.97
MCESS20/80YP	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - yellow (3319.8)	$39.97
MCESS20/80GP	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - green (3319.1)	$39.97
MCESS20/80OP	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - orange (3319.3)	$39.97
MCESS30/60WP	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - white (3354.7)	$37.89
MCESS30/60BP	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - blue (3354.5)	$37.89
MCESS30/60RP	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - red (3354.9)	$37.89
MCESS30/60YP	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - yellow (3354.8)	$37.89
MCESS30/60GP	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - green (3354.1)	$37.89
MCESS30/60OP	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - orange (3354.3)	$37.89

All Maxicard products are printed to order - please submit with Excel Spreadsheet

PRINTED CLIP-ON CABLE MARKING

MCKMC0/4x12WP	12mm long – for Cable O/D of 0.9 - 2.6mm - **Maxicard** 40 tags - white	$20.96
MCKMC0/4x21WP	21mm long – for Cable O/D of 0.9 - 2.6mm - **Maxicard** 40 tags - white	$22.87
MCKMC0/4x30WP	30mm long – for Cable O/D of 0.9 - 2.6mm - **Maxicard** 30 tags - white	$18.03
MCKMC1/4x12WP	12mm long – for Cable O/D of 2.0 - 3.0mm - **Maxicard** 40 tags - white	$21.27

All Maxicard products are printed to order - please submit with Excel Spreadsheet

CABLE MARKING SLEEVES

CONTACLIP

CABLE MARKING SOLUTIONS - SLEEVES

KH and KHE installed

MCESS range with sleeve

KH02/12	Cable Marker Sleeve - 12mm long - for cable O/D 1.3-3.0mm - pkt of 200 (4900.0)	$25.63
KH02/15	Cable Marker Sleeve - 15mm long - for cable O/D 1.3-3.0mm - pkt of 200 (4901.0)	$28.18
KH02/18	Cable Marker Sleeve - 18mm long - for cable O/D 1.3-3.0mm - pkt of 200 (4902.0)	$33.30
KH02/21	Cable Marker Sleeve - 21mm long - for cable O/D 1.3-3.0mm - pkt of 200 (4903.0)	$35.87
KH02/30	Cable Marker Sleeve - 30mm long - for cable O/D 1.3-3.0mm - pkt of 200 (9390.0)	$50.40
KH10/12	Cable Marker Sleeve - 12mm long - for cable O/D 2.5-5.0mm - pkt of 200 (4904.0)	$28.18
KH10/15	Cable Marker Sleeve - 15mm long - for cable O/D 2.5-5.0mm - pkt of 200 (4905.0)	$30.74
KH10/18	Cable Marker Sleeve - 18mm long - for cable O/D 2.5-5.0mm - pkt of 200 (4906.0)	$35.87
KH10/21	Cable Marker Sleeve - 21mm long - for cable O/D 2.5-5.0mm - pkt of 200 (4907.0)	$38.42
KH10/30	Cable Marker Sleeve - 30mm long - for cable O/D 2.5-5.0mm - pkt of 200 (9391.0)	$53.95
KH20/12	Cable Marker Sleeve - 12mm long - for cable O/D 4.0-10.0mm - pkt of 100 (4908.0)	$20.50
KH20/15	Cable Marker Sleeve - 15mm long - for cable O/D 4.0-10.0mm - pkt of 100 (4909.0)	$23.06
KH20/18	Cable Marker Sleeve - 18mm long - for cable O/D 4.0-10.0mm - pkt of 100 (4910.0)	$24.34
KH20/21	Cable Marker Sleeve - 21mm long - for cable O/D 4.0-10.0mm - pkt of 100 (4911.0)	$26.91
KH20/30	Cable Marker Sleeve - 30mm long - for cable O/D 4.0-10.0mm - pkt of 100 (9392.0)	$36.00
KH30/12	Cable Marker Sleeve - 12mm long - for cable O/D 8.0-16.0mm - pkt of 50 (4912.0)	$14.74
KH30/15	Cable Marker Sleeve - 15mm long - for cable O/D 8.0-16.0mm - pkt of 50 (4913.0)	$16.02
KH30/18	Cable Marker Sleeve - 18mm long - for cable O/D 8.0-16.0mm - pkt of 50 (4914.0)	$17.95
KH30/21	Cable Marker Sleeve - 21mm long - for cable O/D 8.0-16.0mm - pkt of 50 (4915.0)	$19.21
KH30/30	Cable Marker Sleeve - 30mm long - for cable O/D 8.0-16.0mm - pkt of 50 (9393.0)	$23.33

CABLE MARKING SOLUTIONS - BULK PACK SLEEVES

KH and KHE installed

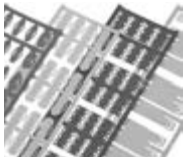
MCESS range with sleeve

KHE0.5/12	Cable Marker Sleeve - 12mm long - for cable O/D 0.3-2.2 mm - pkt of 2000 (9360.0)	$154.83
KHE0.5/15	Cable Marker Sleeve - 15mm long - for cable O/D 0.3-2.2 mm - pkt of 2000 (9361.0)	$162.49
KHE0.5/18	Cable Marker Sleeve - 18mm long - for cable O/D 0.3-2.2 mm - pkt of 1000 (9362.0)	$95.42
KHE0.5/21	Cable Marker Sleeve - 21mm long - for cable O/D 0.3-2.2 mm - pkt of 1000 (9363.0)	$102.73
KHE0.5/30	Cable Marker Sleeve - 30mm long - for cable O/D 0.3-2.2 mm - pkt of 500 (9364.0)	$77.22
KHE2.5/12	Cable Marker Sleeve - 12mm long - for cable O/D 2.0-3.7mm - pkt of 1000 (9365.0)	$83.54
KHE2.5/15	Cable Marker Sleeve - 15mm long - for cable O/D 2.0-3.7mm - pkt of 1000 (9366.0)	$95.43
KHE2.5/18	Cable Marker Sleeve - 18mm long - for cable O/D 2.0-3.7mm - pkt of 1000 (9367.0)	$118.42
KHE2.5/21	Cable Marker Sleeve - 21mm long - for cable O/D 2.0-3.7mm - pkt of 3000 (9368.0)	$396.49
KHE2.5/30	Cable Marker Sleeve - 30mm long - for cable O/D 2.0-3.7mm - pkt of 1000 (9369.0)	$166.94
KHE4.0/12	Cable Marker Sleeve - 12mm long - for cable O/D 3.5-4.3mm - pkt of 1000 (9370.0)	$91.21
KHE4.0/15	Cable Marker Sleeve - 15mm long - for cable O/D 3.5-4.3mm - pkt of 1000 (9371.0)	$102.71
KHE4.0/18	Cable Marker Sleeve - 18mm long - for cable O/D 3.5-4.3mm - pkt of 2000 (9372.0)	$266.74
KHE4.0/21	Cable Marker Sleeve - 21mm long - for cable O/D 3.5-4.3mm - pkt of 2000 (9373.0)	$298.59
KHE4.0/30	Cable Marker Sleeve - 30mm long - for cable O/D 3.5-4.3mm - pkt of 1000 (9374.0)	$178.97
KHE10.0/15	Cable Marker Sleeve - 15mm long - for cable O/D 4.3-6.3mm - pkt of 500 (9376.0)	$62.86
KHE25.0/15	Cable Marker Sleeve - 15mm long - for cable O/D 6.0-10.0mm - pkt of 500 (9381.0)	$78.95
KHE70.0/15	Cable Marker Sleeve - 15mm long - for cable O/D 9.0-15.0mm - pkt of 250 (9386.0)	$60.08

CABLE TIE MARKERS - PRINTED TO ORDER

CONTACLIP

PRINTED CABLE TIE MARKERS



MCKMS... range

MCKMS... range installed

MCKM10/23WP	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - white (3303.7)	$26.24
MCKMS10/23YP	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - yellow (3303.8)	$26.24
MCKMS10/23RP	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - red (3303.9)	$26.24
MCKMS10/23BP	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - blue (3303.5)	$26.24
MCKMS14/23WP	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - white (3304.7)	$11.99
MCKMS14/23YP	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - yellow (3304.8)	$11.99
MCKMS14/23RP	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - red (3304.9)	$11.99
MCKMS14/23BP	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - blue (3304.5)	$11.99
MCKMS15/24WP	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** of 32 Tags - white (3302.7)	$26.24
MCKMS15/24YP	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** - 32 Tags - yellow (3302.8)	$26.24
MCKMS15/24RP	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** of 32 Tags - red (3302.9)	$26.24
MCKMS15/24BP	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** of 32 Tags - blue (3302.5)	$26.24
MCKMS11/60WP	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** of 12 Tags - white (3305.7)	$26.24
MCKMS11/60YP	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** - 12 Tags - yellow (3305.8)	$26.24
MCKMS11/60RP	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** of 12 Tags - red (3305.9)	$26.24
MCKMS11/60BP	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** of 12 Tags - blue (3305.5)	$26.24

All Maxicard products are printed to order - please submit with Excel Spreadsheet

CABLE TIE MARKING SLEEVES

KSH Sleeves installed

KSH6/33	Cable Marker Sleeve fixed with Cable Ties - for MCESS18/64 - packet of 100 (2383.0)	$40.98
KSH11/33	Cable Marker Sleeve fixed with Cable Ties - for MCGS7/20 - packet of 100 (2384.0)	$51.23
KSH4/30	Cable Marker Sleeve fixed with Cable Tie - for MCESS30/60 - packet of 500 (3896.0)	$204.93

PRINTED KBH CABLE TIE MARKERS

KBH-S range

KBH-S21YP	Cable Marker Sleeve - 21mm long - Strip of 9 Markers - yellow (2624.0) PRINTED	$7.15
KBH-S36YP	Cable Marker Sleeve - 36mm long - Strip of 5 Markers - yellow (2532.0) PRINTED	$6.08
KBH-S57YP	Cable Marker Sleeve - 57mm long - Strip of 3 Markers - yellow (2625.0) PRINTED	$5.41
KBH-S84YP	Cable Marker Sleeve - 84mm long - Strip of 2 Markers - yellow (2562.0) PRINTED	$5.35
KBH-SY	Individual Number/Letter - 4mm long - yellow - packet of 100 (2690.0 & 2691.0)	$10.50
KH70	Cable Marker Sleeve Holder - 70mm long - black - packet of 100 (2654.0)	$35.87
KH110	Cable Marker Sleeve Holder - 110mm long - black - packet of 100 (2655.0)	$42.27

All KBH-S21 - 84 products are printed to order - please submit with Excel Spreadsheet

ADHESIVE MARKERS - PRINTED TO ORDER

CONTACLIP

PRINTED ADHESIVE MARKERS

MCGS... Adhesive Markers

Preparing Adhesive Marker

MCGS6x12/120KP	Device Marker Adhesive Fixing - 6x12mm - **Maxicard** of 120 Tags - white	$79.68
MCGS9/17KP	Device Marker Adhesive Fixing - **Maxicard** of 40 Tags - white (3323.7)	$35.36
MCGS7/20KWP	Device Marker Adhesive Fixing - 20x7mm - Maxicard of 40 Tags - white (3381.7)	$39.40
MCGST22/22KWP	Marker Adhesive Fixing - 22x22mm - **Maxicard** - 16 Tags - white (3344.7)	$22.54
MCGST27/12,5KWP	Marker Adhesive Fixing - 27x12.5mm - **Maxicard** - 16 Tags - white (3341.7)	$22.54
MCGST27/18KWP	Marker Adhesive Fixing - 27x18mm - **Maxicard** - 16 Tags - white (3342.7)	$24.39
MCGST27/27KWP	Marker Adhesive Fixing - 27x27mm - **Maxicard** - 12 Tags - white (3343.7)	$18.31
MCGST27/8KWP	Marker Adhesive Fixing - 27x8mm - **Maxicard** of 16 Tags - white (3344.7)	$21.33
MCGSU17x15KP	Device Marker with Adhesive Fixing - 17mm x 15mm - Maxicard of 16 Tags - white	$17.73
MCGSU27x15KP	Device Marker with Adhesive Fixing - 27mm x 15mm - Maxicard of 16 Tags - white	$20.00
MCGSU49x15KP	Device Marker with Adhesive Fixing - 49mm x 15mm - Maxicard of 8 Tags - white	$14.22
MCGSU60x15KP	Device Marker with Adhesive Fixing - 60mm x 15mm - Maxicard of 8 Tags - white	$15.48
MCGSU60x30KP	Device Marker with Adhesive Fixing - 60mm x 30mm - Maxicard of 6 Tags - white	$9.18
MCGSU85.4x54KP	Device Marker with Adhesive Fixing - 85.4mm x 54mm - Maxicard of 2 Tags - white	$8.21

All MCGSU products are printed to order - please submit with Excel Spreadsheet

PRINTED DEVICE MARKING

MCGS... Device Markers

MCGS6x12/120RP	Device Marker - 6mm x 12mm - **Maxicard** of 120 Tags - white (3884.7)	$52.21
MCGS8/17RP	ABB Device Marker - **Maxicard** of 40 Tags - white (3320.7)	$22.94
MCGS8/17RtP	Schneider Device Marker - **Maxicard** of 40 Tags - white (3321.7)	$21.00
MCGS7/20RP	Siemens Device Marker - **Maxicard** of 40 Tags - white (3329.7)	$22.03

PRINTED 22MM MARKERS & HOLDERS

MCGST... Device Markers

MCGST27/12,5RSP	Label Holder Device Marker - 27x12.5mm - **Maxicard** -16 Tags - silver (3336.0)	$13.93
MCGST27/12,5RWP	Label Holder Device Marker - 27x12.5mm - **Maxicard** -16 Tags - white (3336.7)	$13.93
MCGST27/18RSP	Label Holder Device Marker - 27x18mm - **Maxicard** of 16 Tags - silver (3337.0)	$14.76
MCGST27/18RWP	Label Holder Device Marker - 27x18mm - **Maxicard** of 16 Tags - white (3337.7)	$14.76
MCGST27/27RSP	Label Holder Device Marker - 27x27mm - **Maxicard** of 12 Tags - silver (3338.0)	$11.08
MCGST27/27RWP	Label Holder Device Marker - 27x27mm - **Maxicard** of 12 Tags - white (3338.7)	$11.08
MCGST27/8RSP	Label Holder Device Marker - 27x8mm - **Maxicard** of 16 Tags - silver (3340.0)	$13.11
MCGST27/8RWP	Label Holder Device Marker - 27x8mm - **Maxicard** of 16 Tags - white (3340.7)	$13.11
GST-H27x8	Label Holder for 22 Diameter Device for MCGST 27/8	$3.10
GST-H27x12.5	Label Holder for 22 Diameter Device for MCGST 27/12.5	$3.28
GST-H27x18	Label Holder for 22 Diameter Device for MCGST 27/18	$3.35
GST-H27x27	Label Holder for 22 Diameter Device for MCGST 27/27	$3.62

All Maxicard products are printed to order - please submit with Excel Spreadsheet

PRINTED DEVICE MARKERS FOR GSU HOLDERS

MCGSU17x15RP	Device Marker - 17mm x 15mm - Maxicard of 16 Tags - white	$12.09
MCGSU27x15RP	Device Marker - 27mm x 15mm - Maxicard of 16 Tags - white	$13.20
MCGSU49x15RP	Device Marker - 49mm x 15mm - Maxicard of 8 Tags - white	$7.18
MCGSU60x15RP	Device Marker - 60mm x 15mm - Maxicard of 8 Tags - white	$7.74
MCGSU60x30RP	Device Marker - 60mm x 30mm - Maxicard of 6 Tags - white	$6.72
MCGSU85.5x54RP	Device Marker - 85.4mm x 54mm - Maxicard of 2 Tags - white	$6.13

All MCGSU products are printed to order - please submit with Excel Spreadsheet

GSU DEVICE MARKER HOLDERS

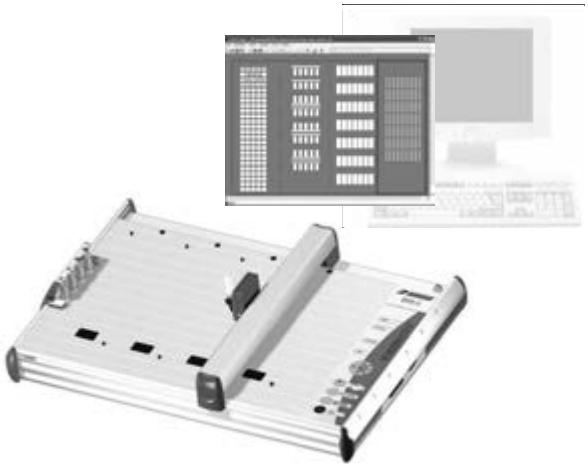
STRMCGSU strips installed

MCGSU... range installed

GSU-H17x15	Device Marker Holder for MC GSU 17x15R	$1.73
GSU-H27x15	Device Marker Holder for MC GSU 27x15R	$1.78
GSU-H49x15	Device Marker Holder for MC GSU 49x15R	$1.96
GSU-H60x15	Device Marker Holder for MC GSU 60x15R	$2.10
GSU-H60x30	Device Marker Holder for MC GSU 60x30R	$2.18
GSU-H85.4x54	Device Marker Holder for MC GSU 85.4x54R	$3.92
STRMCGSU17x15	Device Marker Holder Protective Strip for MC GSU 17x15R	$0.41
STRMCGSU27x15	Device Marker Holder Protective Strip for MC GSU 27x15R	$0.42
STRMCGSU49x15	Device Marker Holder Protective Strip for MC GSU 49x15R	$0.47
STRMCGSU60x15	Device Marker Holder Protective Strip for MC GSU 60x15R	$0.50
STRMCGSU60x30	Device Marker Holder Protective Strip for MC GSU 60x30R	$0.57
STRMCGSU85.4x54	Device Marker Holder Protective Strip for MC GSU 85.4x54R	$0.99

EMS-2 MARKING SYSTEM

TECHNICAL INFORMATION



CONTA-CLIP MARKING SYSTEM

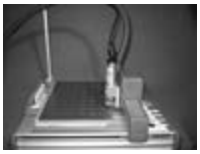
Marking cables, connectors and devices to provide unmistakable, clearly arranged and permanently legible identification protects against mix-ups, increases safety and reduces work levels, which in turn reduces manufacturing and maintenance costs including those caused by production down-times.

CONTA-CLIP offer a wide variety of options for marking terminal blocks, cables, wires and devices.

CONTA-CLIP uses the EMS-2 Plotter manufactured in Germany and still the most cost effective way to mark products reliably.

CONTA-CLIP EMS-2 MARKING SYSTEM

EMS-2 Plotter



EMS-2 Engraver

PPE plotter pen

EMS-2 set	Plotter set includes Plotter, 1 x CCI-10 **Maxicard** Inlay, 1 x PPE0.35 pen	POA
EMS-Engraver	Engraver Unit - attaches to the EMS-2 Plotter in minutes	POA
CCI-10	**Maxicard** Inlay suitable for all **Maxicard** products	POA
EMS-2 Service Kit	Kit includes sticker plates & ink well inserts	POA
PPE0.18	Plotter pen - black disposable - suitable for all Markers - Quickdrying - 0.18mm	$171.19
PPE0.25	Plotter pen - black disposable - suitable for all Markers - Quickdrying - 0.25mm	$171.19
PPE0.35	Plotter pen - black disposable - suitable for all Markers - Quickdrying - 0.35mm	$171.19
PPE0.5	Plotter pen - black disposable - suitable for all Markers - Quickdrying - 0.5mm	$171.19
PPE1.0	Plotter pen - black disposable - suitable for all Markers - Quickdrying - 1.0mm	$171.19
PPE0.18ED*	Plotter pen - black disposable - suitable for PA Markers - Slowdrying - 0.18mm	$171.19
PPE0.25ED*	Plotter pen - black disposable - suitable for PA Markers - Slowdrying - 0.25mm	$171.19
PPE0.35ED*	Plotter pen - black disposable - suitable for PA Markers - Slowdrying - 0.35mm	$171.19
PPE0.5ED*	Plotter pen - black disposable - suitable for PA Markers - Slowdrying - 0.5mm	$171.19
PPE1.0ED*	Plotter pen - black disposable - suitable for PA Markers - Slowdrying - 1.0mm	$171.19
PPE0.25EDR	Plotter pen - **RED** disposable - suitable for PA Markers - Slowdrying - 0.25mm	$171.19
PPE0.25EDB	Plotter pen - **BLUE** disposable - suitable for PA Markers - Slowdrying - 0.25mm	$171.19
PPE0.25EDG	Plotter pen - **GREEN** disposable - suitable for PA Markers - Slowdrying - 0.25mm	$171.19

**** Highly recommended for normal use***

UNPRINTED TERMINAL MARKING

MCBSTR6/120

MCBSTR6/120P installed

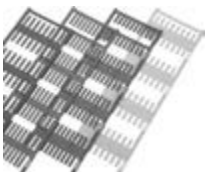
MCSB4/200	Terminal Marker - 4 mm wide - Maxicard of 200 Markers (4946.7)	$17.94
MCSB5/200	Terminal Marker - 5 mm wide - Maxicard of 200 Markers (3300.7)	$17.94
MCSB6/200	Terminal Marker - 6 mm wide - Maxicard of 200 Markers (3301.7)	$17.94
MCSB8/160	Terminal Marker - 5x8mm - Maxicard of 160 Markers (3328.7)	$18.92
MCBSTR5/144	Terminal Marker - 5 x 10mm wide - Maxicard of 144 Markers (3309.7)	$14.76
MCBSTR5/144MI	Terminal Marker - 5 x 10mm wide - Maxicard of 144 Markers (3310.7)	$14.76
MCBSTR5x12/144	Terminal Marker - 5x12mm - Maxicard of 144 Markers (3380.7)	$17.71
MCBSTR6/120	Terminal Marker - 6 x 12 mm wide - Maxicard of 120 Markers (3314.7)	$12.29
MCBSTR8x12/84	Terminal Marker - 8x12mm - Maxicard of 84 Markers (9406.7)	$13.97
MBSTR10x12/40	Terminal Marker - 10x12mm - Maxicard of 40 Markers (9408.7)	$6.92

UNPRINTED GROUP MARKERS

SchT9 installed

ZSchT6	Group Markers for ZES35 end stop	$1.91
SchT9	Group Marker for ES35/2/K & ES35/K/ST end stop - 8mm wide	$1.46
SchT10	Group Marker for ES35/K/ST end stop - 9.5mm wide	$1.53

UNPRINTED CABLE MARKING SOLUTIONS - SLEEVE INSERT TYPE



MCESS15/80 range

MCESS range installed

MCESS range with sleeve

MCESS12/64	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - white (3316.7)	$12.29
MCESS12/64B	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - blue (3316.5)	$12.29
MCESS12/64R	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - red (3316.9)	$12.29
MCESS12/64Y	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - yellow (3316.8)	$12.29
MCESS12/64G	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - green (3316.1)	$12.29
MCESS12/64O	Insertable Tags - 12mm long - **Maxicard** of 64 Tags - orange (3316.3)	$12.29
MCESS15/80	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - white (3317.7)	$16.40
MCESS15/80B	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - blue (3317.5)	$16.40
MCESS15/80R	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - red (3317.9)	$16.40
MCESS15/80Y	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - yellow (3317.8)	$16.40
MCESS15/80G	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - green (3317.1)	$16.40
MCESS15/80O	Insertable Tags - 15mm long - **Maxicard** of 80 Tags - orange (3317.3)	$16.40
MCESS18/64	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - white (3318.7)	$13.93
MCESS18/64B	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - blue (3318.5)	$13.93
MCESS18/64R	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - red (3318.9)	$13.93
MCESS18/64Y	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - yellow (3318.8)	$13.93
MCESS18/64G	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - green (3318.1)	$13.93
MCESS18/64O	Insertable Tags - 18mm long - **Maxicard** of 64 Tags - orange (3318.3)	$13.93
MCESS20/80	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - white (3319.7)	$18.44
MCESS20/80B	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - blue (3319.5)	$18.44
MCESS20/80R	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - red (3319.9)	$18.44
MCESS20/80Y	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - yellow (3319.8)	$18.44
MCESS20/80G	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - green (3319.1)	$18.44
MCESS20/80O	Insertable Tags - 20mm long - **Maxicard** of 80 Tags - orange (3319.3)	$18.44
MCESS30/60W	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - white (3354.7)	$19.90
MCESS30/60B	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - blue (3354.5)	$19.90
MCESS30/60R	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - red (3354.9)	$19.90
MCESS30/60Y	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - yellow (3354.8)	$19.90
MCESS30/60G	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - green (3354.1)	$19.90
MCESS30/60O	Insertable Tags - 30mm long - **Maxicard** of 60 Tags - orange (3354.3)	$18.84

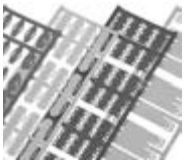
Sleeves for the above inserts are located on pages 102 & 103

UNPRINTED CABLE MARKING SOLUTIONS - CLIP-ON TYPE

MCKMC0/4x12W	Clip-on - 12mm long - Cable O/D of 0.9-2.6mm - Maxicard of 40 tags - white	$10.72
MCKMC0/4x21W	Clip-on - 21mm long - Cable O/D of 0.9-2.6mm - Maxicard of 40 tags - white	$11.70
MCKMC0/4x30W	Clip-on - 30mm long - Cable O/D of 0.9-2.6mm - Maxicard of 30 tags - white	$9.22
MCKMC1/4x12W	Clip-on - 12mm long - Cable O/D of 2.0-3.0mm - Maxicard of 40 tags - white	$11.01

EMS-2 SYSTEM - CABLE TIE & ADHESIVE MARKERS

UNPRINTED CABLE MARKING SOLUTIONS - CABLE TIE TYPE



MCKMS… range

MCKMS… range installed

MCKMS10/23W	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - white (3303.7)	$16.40
MCKMS10/23Y	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - yellow (3303.8)	$16.40
MCKMS10/23R	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - red (3303.9)	$16.40
MCKMS10/23B	Cable Tie Marker - 23mm x 10mm wide - **Maxicard** of 32 Tags - blue (3303.5)	$16.40
MCKMS14/23W	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - white (3304.7)	$8.14
MCKMS14/23Y	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - yellow (3304.8)	$8.14
MCKMS14/23R	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - red (3304.9)	$8.14
MCKMS14/23B	Cable Tie Marker - 23mm x 14mm wide - **Maxicard** of 32 Tags - blue (3304.5)	$8.14
MCKMS15/24W	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** of 32 Tags - white (3302.7)	$16.40
MCKMS15/24Y	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** - 32 Tags - yellow (3302.8)	$16.40
MCKMS15/24R	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** of 32 Tags - red (3302.9)	$16.40
MCKMS15/24B	Cable Tie Marker - 24mm x 15mm wide - **Maxicard** of 32 Tags - blue (3302.5)	$16.40
MCKMS11/60W	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** of 12 Tags - white (3305.7)	$16.40
MCKMS11/60Y	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** - 12 Tags - yellow (3305.8)	$16.40
MCKMS11/60R	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** of 12 Tags - red (3305.9)	$16.40
MCKMS11/60B	Cable Tie Marker - 60mm x 11mm wide - **Maxicard** of 12 Tags - blue (3305.5)	$16.40

UNPRINTED ADHESIVE MARKIERS

MCGS… Adhesive Markers

Preparing Adhesive Marker

MCGS6x12/120K	Device Marker Adhesive Fixing - 6x12mm - **Maxicard** of 120 Tags - white	$57.84
MCGS9/17K	Device Marker with Adhesive Fixing - **Maxicard** of 40 Tags - white (3323.7)	$28.69
MCGS7/20KW	Device Marker with Adhesive Fixing - **Maxicard** of 40 Tags - white (3381.7)	$26.23
MCGST22/22KW	Marker Adhesive Fixing - 22x22mm - **Maxicard** - 16 Tags - white (3344.7)	$17.21
MCGST27/12,5KW	Marker Adhesive Fixing - 27x12.5mm - **Maxicard** - 16 Tags - white (3341.7)	$17.21
MCGST27/18KW	Marker Adhesive Fixing - 27x18mm - **Maxicard** - 16 Tags - white (3342.7)	$18.64
MCGST27/27KW	Marker Adhesive Fixing - 27x27mm - **Maxicard** - 12 Tags - white (3343.7)	$13.99
MCGST27/8KW	Marker Adhesive Fixing - 27x8mm - **Maxicard** of 16 Tags - white (3339.7)	$15.58
MCGSU17x15K	Device Marker with Adhesive Fixing - 17x15mm - **Maxicard** of 16 Tags - white	$14.81
MCGSU27x15K	Device Marker with Adhesive Fixing - 27x15mm - **Maxicard** of 16 Tags - white	$17.09
MCGSU49x15K	Device Marker with Adhesive Fixing - 49x15mm - **Maxicard** of 8 Tags - white	$12.77
MCGSU60x15K	Device Marker with Adhesive Fixing - 60x15mm - **Maxicard** of 8 Tags - white	$14.03
MCGSU60x30K	Device Marker with Adhesive Fixing - 60x30mm - **Maxicard** of 6 Tags - white	$7.72
MCGSU85.4x54K	Device Marker with Adhesive Fixing - 85.4x54mm - **Maxicard** of 2 Tags - white	$6.76
MCGSU85.4x54KY	Device Marker with Adhesive Fixing - 85.4x54mm - **Maxicard** of 2 Tags - yellow	$6.76

UNPRINTED DEVICE MARKING

MCGS6x12/120R	Device Marker - 6mm x 12mm - **Maxicard** of 120 Tags - white (3884.7)	$32.93
MCGS8/17R	ABB Device Marker - **Maxicard** of 40 Tags - white (3320.7)	$15.11
MCGS8/17Rt	Schneider/Siemens Device Marker - **Maxicard** of 40 Tags - white (3321.7)	$13.83
MCGS7/20R	Siemens Device Marker - **Maxicard** of 40 Tags - white (3329.7)	$15.38

UNPRINTED 22MM MARKERS

MCGST… Device Markers

MCGST27/12,5RS	Label Holder Device Marker - 27x12.5mm - **Maxicard** -16 Tags - silver (3336.0)	$8.82
MCGST27/12,5RW	Label Holder Device Marker - 27x12.5mm - **Maxicard** -16 Tags - white (3336.7)	$8.82
MCGST27/18RS	Label Holder Device Marker - 27x18mm - **Maxicard** of 16 Tags - silver (3337.0)	$9.42
MCGST27/18RW	Label Holder Device Marker - 27x18mm - **Maxicard** of 16 Tags - white (3337.7)	$9.42
MCGST27/27RSP	Label Holder Device Marker - 27x27mm - **Maxicard** of 12 Tags - silver (3338.0)	$11.08
MCGST27/27RW	Label Holder Device Marker - 27x27mm - **Maxicard** of 12 Tags - white (3338.7)	$7.07
MCGST27/8RS	Label Holder Device Marker - 27x8mm - **Maxicard** of 16 Tags - silver (3340.0)	$7.98
MCGST27/8RW	Label Holder Device Marker - 27x8mm - **Maxicard** of 16 Tags - white (3340.7)	$7.98
GST-H27x8	Label Holder for 22 Diameter Device for MCGST 27/8	$3.10
GST-H27x12.5	Label Holder for 22 Diameter Device for MCGST 27/12.5	$3.28
GST-H27x18	Label Holder for 22 Diameter Device for MCGST 27/18	$3.35
GST-H27x27	Label Holder for 22 Diameter Device for MCGST 27/27	$3.62

UNPRINTED DEVICE MARKERS FOR GSU HOLDERS

MCGSU49x15R

MCGSU17x15R	Device Marker - 17mm x 15mm - Maxicard of 16 Tags - white	$9.18
MCGSU27x15R	Device Marker - 27mm x 15mm - Maxicard of 16 Tags - white	$10.28
MCGSU49x15R	Device Marker - 49mm x 15mm - Maxicard of 8 Tags - white	$5.72
MCGSU60x15R	Device Marker - 60mm x 15mm - Maxicard of 8 Tags - white	$6.28
MCGSU60x30R	Device Marker - 60mm x 30mm - Maxicard of 6 Tags - white	$5.27
MCGSU85.4x54R	Device Marker - 85.4mm x 54mm - Maxicard of 2 Tags - white	$4.67

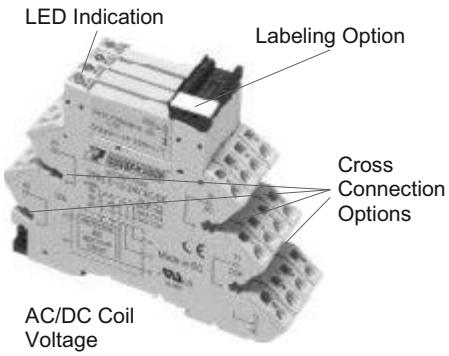
GSU DEVICE MARKER HOLDERS

STRMCGSU strips installed

MCGSU… range installed

GSU-H17x15	Device Marker Holder for MC GSU 17x15R - packet of 80	$1.73
GSU-H27x15	Device Marker Holder for MC GSU 27x15R - packet of 80	$1.78
GSU-H49x15	Device Marker Holder for MC GSU 49x15R - packet of 40	$1.96
GSU-H60x15	Device Marker Holder for MC GSU 60x15R - packet of 40	$2.10
GSU-H60x30	Device Marker Holder for MC GSU 60x30R - packet of 30	$2.18
GSU-H85.4x54	Device Marker Holder for MC GSU 85.4x54R - packet of 10	$3.92
STRMCGSU17x15	Device Marker Holder Protective Strip for MC GSU 17x15R - packet of 80	$0.41
STRMCGSU27x15	Device Marker Holder Protective Strip for MC GSU 27x15R - packet of 80	$0.42
STRMCGSU49x15	Device Marker Holder Protective Strip for MC GSU 49x15R - packet of 40	$0.47
STRMCGSU60x15	Device Marker Holder Protective Strip for MC GSU 60x15R - packet of 40	$0.50
STRMCGSU60x30	Device Marker Holder Protective Strip for MC GSU 60x30R - packet of 30	$0.57
STRMCGSU85.4x54	Device Marker Holder Protective Strip for MC GSU 85.4x54R- packet of 10	$0.99

TECHNICAL INFORMATION



SLIMLINE RELAYS

Slimline relays have a compact design (6.2 & 14mm) which means these relay modules can be integrated in areas where only a narrow space is available. Giving safe galvanic separation of electrical circuits, these relays are perfect for automation equipment.

Relay labeling is available for both single and double pole models. The MCBSTR6-120P marker is suitable for single pole relays and the MCGS6x12RP marker is suitable for the double pole relays.

SINGLE POLE SLIMLINE RELAYS

PRCU1/240VAC/DC

ZPRCU1/240VAC/DC

PRCU1/12VAC/DC	Single Pole Relay & Base - Screw Terminal - 12VAC/DC Coil - 6 Amp	$27.44
PRCU1/24VAC/DC	Single Pole Relay & Base - Screw Terminal - 24VAC/DC Coil - 6 Amp	$27.44
PRCU1/48VAC/DC	Single Pole Relay & Base - Screw Terminal - 48VAC/DC Coil - 6 Amp	$31.98
PRCU1/60VAC/DC	Single Pole Relay & Base - Screw Terminal - 60VAC/DC Coil - 6 Amp	$31.98
PRCU1/125VAC/DC	Single Pole Relay & Base - Screw Terminal - 125VAC/DC Coil - 6 Amp	$31.98
PRCU1/240VAC/DC	Single Pole Relay & Base - Screw Terminal - 240VAC/DC Coil - 6 Amp	$27.44
ZPRCU1/12VAC/DC	Single Pole Relay & Base - Spring Terminal - 12VAC/DC Coil - 6 Amp	$30.01
ZPRCU1/24VAC/DC	Single Pole Relay & Base - Spring Terminal - 24VAC/DC Coil - 6 Amp	$30.01
ZPRCU1/48VAC/DC	Single Pole Relay & Base - Spring Terminal - 48VAC/DC Coil - 6 Amp	$34.98
ZPRCU1/60VAC/DC	Single Pole Relay & Base - Spring Terminal - 60VAC/DC Coil - 6 Amp	$34.98
ZPRCU1/125VAC/DC	Single Pole Relay & Base - Spring Terminal - 125VAC/DC Coil - 6 Amp	$34.98
ZPRCU1/240VAC/DC	Single Pole Relay & Base - Spring Terminal - 240VAC/DC Coil - 6 Amp	$30.01

DOUBLE POLE SLIMLINE RELAYS

PRCU2/12VAC/DC	Double Pole Relay & Base - Screw Terminal - 12VAC/DC Coil - 8 Amp	$32.64
PRCU2/24VAC/DC	Double Pole Relay & Base - Screw Terminal - 24VAC/DC Coil - 8 Amp	$32.64
PRCU2/240VAC/DC	Double Pole Relay & Base - Screw Terminal - 240VAC/DC Coil - 8 Amp	$42.49
ZPRCU2/12VAC/DC	Double Pole Relay & Base - Spring Terminal - 12VAC/DC Coil - 8 Amp	$36.37
ZPRCU2/24VAC/DC	Double Pole Relay & Base - Spring Terminal - 24VAC/DC Coil - 8 Amp	$36.37
ZPRCU2/240VAC/DC	Double Pole Relay & Base - Spring Terminal - 240VAC/DC Coil - 8 Amp	$46.06

PRS RELAY SYSTEM

PRSU4/24VDC

PRSU1/12V DC	Single Pole Relay, Base, Holder and LED - 12VDC Coil - 12 Amp (15163.2)	$29.47
PRSU1/24V DC	Single Pole Relay, Base, Holder and LED - 24VDC Coil - 12 Amp (15169.2)	$28.83
PRSU1/24V AC	Single Pole Relay, Base, Holder and LED - 24VAC Coil - 12 Amp (15164.2)	$31.12
PRSU1L/24V DC	Single Pole Relay, Base, Holder and LED - 24VDC Coil - 16 Amp (15419.2)	$35.80
PRSU1/230V AC	Single Pole Relay, Base, Holder and LED - 230VAC Coil - 12 Amp (15170.2)	$31.89
PRSU2/12V DC	2 Pole Relay, Base, Holder and LED - 12VDC Coil - 8 Amp (15165.2)	$32.66
PRSU2/24V DC	2 Pole Relay, Base, Holder and LED - 24VDC Coil - 8 Amp (15171.2)	$30.74
PRSU2/24V AC	2 Pole Relay, Base, Holder and LED - 24VAC Coil - 8 Amp (15166.2)	$35.21
PRSU2/230V AC	2 Pole Relay, Base, Holder and LED - 230VAC Coil - 8 Amp (15172.1)	$40.98
PRSU2G/12V DC	2 Pole Relay, G Type Base, Holder and LED - 12VDC Coil - 8 Amp (15414.2)	$32.79
PRSU2G/24V DC	2 Pole Relay, G Type Base, Holder and LED - 24VDC Coil - 8 Amp (15233.2)	$30.87
PRSU2G/24V AC	2 Pole Relay, G Type Base, Holder and LED - 24VAC Coil - 8 Amp (15385.2)	$35.36
PRSU2G/230V AC	2 Pole Relay, G Type Base, Holder and LED -230VAC Coil - 8 Amp (15236.2)	$41.12
PRSU4/12V DC	Double Pole Relay, Base, Holder and LED - 12VDC Coil - 8 Amp (15167.2)	$39.72
PRSU4/24V DC	4 Pole Relay, Base, Holder and LED - 24VDC Coil - 8 Amp (15173.2)	$40.34
PRSU4/24V AC	4 Pole Relay, Base, Holder and LED - 24VAC Coil - 8 Amp (15168.2)	$41.62
PRSU4/230V AC	4 Pole Relay, Base, Holder and LED - 230VAC Coil - 8 Amp (15174.2)	$42.65
PRSU4G/12V DC	4 Pole Relay, G Type Base, Holder and LED - 12VDC Coil - 8 Amp (15421.1)	$39.83
PRSU4G/24V DC	4 Pole Relay, G Type Base, Holder and LED - 24VDC Coil - 8 Amp (15332.2)	$40.48
PRSU4G/24V AC	4 Pole Relay, G Type Base, Holder and LED - 24VAC Coil - 8 Amp (15371.2)	$41.75
PRSU4G/230V AC	4 Pole Relay, G Type Base, Holder and LED - 230VAC Coil - 8 Amp (15372.2)	$42.78

RELAY SYSTEM - ACCESSORIES

PRS1/24VDC

PRS4/230VAC

PRS1/12V DC	Single Pole Relay Module - 12VDC Coil - 12 Amp (6996.0)	$9.61
PRS1/24V DC	Single Pole Relay Module - 24VDC Coil - 12 Amp (6804.0)	$8.97
PRS1/24V AC	Single Pole Relay Module - 24VAC Coil - 12 Amp (6480.2)	$10.64
PRS1L/24V DC	Single Pole Relay Module - 24VDC Coil - 16 Amp/Inductive Load (6940.0)	$10.64
PRS1/230V AC	Single Pole Relay Module - 230VAC Coil - 12 Amp (6481.2)	$16.66
PRS2/12V DC	Double Pole Relay Module - 12VDC Coil - 8 Amp	$11.53
PRS2/24V DC	Double Pole Relay Module - 24VDC Coil - 8 Amp (6483.2)	$10.25
PRS2/24V AC	Double Pole Relay Module - 24VAC Coil - 8 Amp (6484.2)	$13.45
PRS2/230V AC	Double Pole Relay Module - 230VAC Coil - 8 Amp (6485.2)	$20.50
PRS 4/12V DC	4 Pole Relay Module - 12VDC Coil - 6 Amp	$19.85
PRS4/24V DC	Four Pole Relay Module - 24VDC Coil - 6 Amp (6487.2)	$19.85
PRS 4/24V AC	Four Pole Relay Module - 24VAC Coil - 6 Amp (6488.2)	$20.50
PRS4/230V AC	Four Pole Relay Module - 230VAC Coil - 6 Amp (6489.2)	$22.41
PRS1	Single Pole Relay Base (15135.2)	$11.53
PRS2	Double Pole Relay Base (15136.2)	$12.81
PRS2G	Double Pole Relay Base - All relay connections on same side (15320.2)	$12.81

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: CC3

LINE FILTERS

IF-OF/0.5A	Single Phase 230V Line Filter for general use - 0.5 Amp	$115.29
IF-OF/1A	Single Phase 230V Line Filter for general use - 1 Amp	$115.29
IF-OF/3A	Single Phase 230V Line Filter for general use - 3 Amp	$125.53
IF-OF/6A	Single Phase 230V Line Filter for general use - 6 Amp	$147.31

SIGNAL CONVERTERS

CML-PT100-UI (-50/+50°C)	Signal Converter PT100 to 0/10V or 4-20mA Output	$306.65
CML-PT100-UI (0/+100°C)	Signal Converter PT100 to 0/10V or 4-20mA Output	$306.65
CML-PT100-UI (0/+200°C)	Signal Converter PT100 to 0/10V or 4-20mA Output	$306.65
CML-PT100-UI (0/+300°C)	Signal Converter PT100 to 0/10V or 4-20mA Output	$306.65
CML-PT100-UI (0/+400°C)	Signal Converter PT100 to 0/10V or 4-20mA Output	$306.65
CML-UI-UI	Signal Converter 0/10V or 4-20mA to 0/10V or 4-20mA Output	$306.65
CML-POT-UI	Signal Converter 1 to 20kΩ to 0/10V or 4-20mA Output	$306.65

GSM-PRO CONTROLLER

Conta-Clip's GSM PRO module provides a solution for remotely monitoring and controlling processes by means of SMS signals, emails & GPRS.

Status messages are able to be sent over the GSM network if a process has reached a specified level. The digital and analog input values can also be transmitted via SMS text message. If the values indicate a critical status, the GSM-PRO device gives the service technician the option to control the analogue and digital outputs by SMS. This enables him to take action immediately without being constantly on-site. The module can be used stand alone, but can also be used as a remote module in your control system. The accompanying software can be used to easily set the parameters for the inputs and outputs.

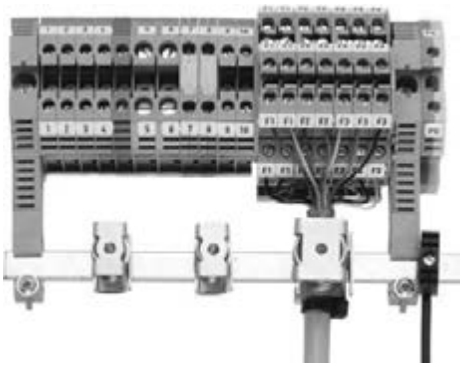
The GSM-PRO Controller can be used whenever the status of process parameters must be monitored. Several application possibilities include: Wind Power Sites, Pump and Irrigation,

GSM-Pro	GSM Controller with 8 Universal Inputs and 4 Digital Outputs	$737.45
GSM-Antenna	Standard internal antenna	$28.95
GSM-USB Cable	USB programing cable	$19.22
GSM-SMA 2.5m	GSM External Antenna	$261.61

CABLE SHIELD CONNECTION SYSTEM

CONTACLIP

TECHNICAL INFORMATION



CABLE SHIELD CONNECTION

A high degree of interference immunity is required in the field of industrial process engineering. Cable shielding is an important factor in reducing interference - the point where the cable shielding connects being critical.

The connection should be low-ohm, and should also feature minimal inductive resistance. This must be established in a practical, simple and quick manner which Conta-Clip's SAB/SSAB cable shield connection system accomplishes.

SHIELD CLAMPS - BUSBAR MOUNTING

SSAB

SSAB 5	Shield Connector Clip 2-5mm suitable for 10x3mm Busbar	$10.90
SSAB 8	Shield Connector Clip 3-8mm suitable for 10x3mm Busbar	$11.04
SSAB 14	Shield Connector Clip 3-14mm suitable for 10x3mm Busbar	$12.79
SSAB 20	Shield Connector Clip 3-20mm suitable for 10x3mm Busbar	$17.12

SHIELD CLAMPS - DIRECT MOUNTING & DIN BASE

SAB Series with SH1

SAB…/D Series

SAB…/MF/35 Series

SAB8	Shield Connector 3-8mm with Direct Mounting Base	$9.79
SAB13.5	Shield Connector 4-13.5mm with Direct Mounting Base	$11.28
SAB20	Shield Connector 10-20mm with Direct Mounting Base	$18.08
SAB32	Shield Connector 15-32mm with Direct Mounting Base	$24.91
SAB8/D	Shield Connector 3-8mm with Direct Mounting Base with Fixing Screw	$11.92
SAB13.5/D	Shield Connector 4-13.5mm with Direct Mounting Base with Fixing Screw	$14.05
SAB20/D	Shield Connector 10-20mm with Direct Mounting Base with Fixing Screw	$20.22
SAB32/D	Shield Connector 15-32m with Direct Mounting Base & Fixing Screw	$27.27
SAB8/F	Shield Connector 3-8mm with DIN Rail Mounting Base	$19.14
SAB13.5/F	Shield Connector 4-13.5mm with DIN Rail Mounting Base	$21.27
SAB20/F	Shield Connector 10-20mm with DIN Rail Mounting Base	$35.11
SAB8/MF/35	Shield Connector 3-8mm with Clip-on DIN Rail Mounting Base	$19.14
SAB13.5/MF/35	Shield Connector 4-13.5mm with Clip-on DIN Rail Mounting Base	$21.27
SAB20/MF/35	Shield Connector 10-20mm with Clip-on DIN Rail Mounting Base	$35.11
SAB32/MF/35	Shield Connector 15-32mm with Clip-on DIN Rail Mounting Base	$42.06
MF/35	Shield Connector TS35 DIN Mounting Foot	$7.29
BSM4x8	Fixing Screw	$0.10

CABLE SHIELD CONNECTION / ACCESSORIES

CONTACLIP

CLAMPING YOKES

ZB4 range

ZB35 range

ZB4	Clamping yoke suitable for 10x3mm Busbar - 0.5-4mm^2 conductor	$0.73
ZB4/K-GNYE	Clamping yoke for 10x3mm Busbar - 0.5-4mm^2 conductor - green/yellow	$1.27
ZB4/K-B	Clamping yoke suitable for 10x3mm Busbar - 0.5-4mm^2 conductor - blue	$1.27
ZB4/K-BL	Clamping yoke suitable for 10x3mm Busbar - 0.5-4mm^2 conductor - black	$1.27
ZB16	Clamping yoke suitable for 10x3mm Busbar - 0.5-16mm^2 conductor	$1.11
ZB16/K-GNYE	Clamping yoke for 10x3mm Busbar - 0.5-16mm^2 conductor - green/yellow	$1.95
ZB35	Clamping yoke suitable for 10x3mm Busbar - 0.5-35mm^2 conductor	$1.93
ZB35/K-GNYE	Clamping yoke for 10x3mm Busbar - 0.5-35mm^2 conductor - green/yellow	$3.43

BUSBAR & BUSBAR SUPPORTS

SH1	SAB System Busbar Support suitable for 10x3mm Busbar, Direct Mounted	$1.86
SHSAB	SAB System Busbar Support suitable for 10x3mm Busbar, DIN Rail Mounted	$5.11
SSCH10x3CU	10x3mm Busbar, 1 meter, 100 Amp, Tinned Copper for SAB Shielding System	$58.81

ALUMINIUM ENCLOSURES - PAINT FINISH

CA 75/57	Aluminium enclosure 75 x 80 x 57 high mm - RAL 7001 paint finish	$62.43
CA 122/80	Aluminium enclosure 122 x 120 x 80 high mm - RAL 7001 paint finish	$130.32
CA 160/90	Aluminium enclosure 160 x 160 x 90 high mm - RAL 7001 paint finish	$190.51
CA 200/110	Aluminium enclosure 200 x 230 x 110 high mm - RAL 7001 paint finish	$208.68

SCREWDRIVERS

SDB 0.4x2.0	Uninsulated Screwdriver 2.0mm blade, 75mm long shaft	$17.31
SDB 0.5x3.0	Uninsulated Screwdriver 3.0mm blade, 75mm long shaft	$15.32
SDB 0.6x3.5	Uninsulated Screwdriver 3.5mm blade, 100mm long shaft	$16.15
SDI 0.4x2.5	Insulated Screwdriver 2.5mm blade 75mm long shaft	$16.07
SDI 0.6x3.5	Insulated Screwdriver 3.5mm blade, 100mm long shaft	$17.68

Functions

E
ON delay

R
OFF delay

Es
ON delay with control contact

Bi
Flasher pulse first

Bp
Flasher pause first

Wa
Single shot trailing edge with control contact

Ws
Single shot leading edge with control contact

Wu
Single shot leading edge voltage controlled

Timer Models

Model	G2ZMF11 24-240VAC/DC	G2ZMF11 **	G2ZM20
Functions	E, R, Es, Bi, Bp, Wa, Ws, Wu	E, R, Es, Bi, Bp, Wa, Ws, Wu	E, R, Es, Bi, Bp, Wa, Ws, Wu
Contacts	2 C/O Timed & Instantaneous	2 C/O Timed & Instantaneous	2 C/O Timed
Voltage	24 - 240VAC/DC	12 - 440VAC Select TR2 Voltage Module	12 - 240VAC/DC
Time Range	50 msec - 30 days 16 ranges	50 msec - 30 days 16 ranges	50 msec - 100 hours 7 ranges
Remote Pot (Model R2) Connection	Yes	Yes	No
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$248.89**	**$216.11**	**$163.61**

** Please Note: TR2 Voltage Module needs to be selected for model with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

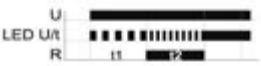
Functions

Ii
Asymmetric flasher pulse first

Ip
Asymmetric flasher pause first

ER
ON and OFF delay with control contact

EWu
ON delay and single shot leading edge voltage controlled



EWs
ON delay and single shot leading edge with control contact

WsWa
Single shot leading and trailing edge with control contact

Wt
Pulse detection

Timer Models

Model	G2ZIF20 24-240VAC/DC	G2ZIF20 **	R2
Function(s)	Ii, Ip, ER, EWu, EWs, WsWa, Wt	Ii, Ip, ER, EWu, EWs, WsWa, Wt	Panel Mounted Potentiometer
Contacts/Ohms	2 C/O Timed	2 C/O Timed	1M•
Voltage/IP Rating	24 - 240VAC/DC	12 - 440VAC Select TR2 Voltage Module	IP64
Time Range	50 msec - 10 hours 10 ranges	50 msec - 10 hours 10 ranges	
Remote Pot (Model R2)	Yes	Yes	
Suitable for Frequency Converters	Yes	Yes	
Size	22.5mm wide	22.5mm wide	22mm ø
List Price	**$252.54**	**$229.46**	**$52.21**

** Please Note: TR2 Voltage Module needs to be selected for model with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Functions

Ii
Asymmetric flasher pulse first

Ip
Asymmetric flasher pause first

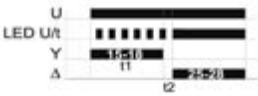
ER
ON and OFF delay with control contact

EWu
ON delay and single shot leading edge voltage controlled

EWs
ON delay and single shot leading edge with control contact

WsWa
Single shot leading and trailing edge with control contact

S
Star-Delta start-up



Timer Models

Model	G2ZI20	G2ZS20
Functions	Ii, Ip, ER, EWu, EWs, WsWa	Star/Delta Timer
Contacts	2 C/O Timed	2 C/O Timed
Voltage	12 - 240VAC/DC	12 - 400VAC Select TR2 Voltage Module
Time Range	50 msec - 100 hours 7 ranges	Time Y - 500ms to 3min Time Y⇨△ - 40ms to 100ms
Remote Pot (Model R2) Connection	No	No
Suitable for Frequency Converters	Yes	Yes
Size	22.5mm wide	22.5mm wide
List Price	**$167.78**	**$214.47**

** Please Note: TR2 Voltage Module needs to be selected for model with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

E
ON delay

R
OFF delay

Wu
Single shot leading edge voltage controlled

Bp
Flasher pause first

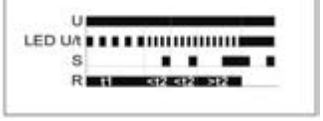
Timer Models

Model	V2ZE10 (*)	V2ZR10 (*)	V2ZQ10 (*)
Functions	ON Delay Timer (E)	OFF Delay Timer (R)	E, R, Wu, Bp
Contacts	1 C/O Timed	1 C/O Timed	1 C/O Timed
Voltage	24 - 240VAC/DC	24 - 240VAC/DC	24 - 240VAC/DC
Time Range	50 msec - 100 hours	50 msec - 100 hours	50 msec - 100 hours
	10 ranges	10 ranges	10 ranges
Response Time	150ms	150ms	150ms
Operating Temperature	-25 - +60 °C	-25 - +60 °C	-25 - +60 °C
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$92.53**	**$97.53**	**$115.04**

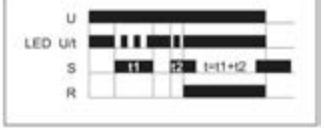
(*) - The entire VEO product range is also available with Push-in terminals. The Push-in terminal means faster tool-free installation and the connections are vibration resistant. Simply add the suffix "P" to the product code above. For example the V2ZE10 timer with Push-In terminals has a product code of V2ZE10P. Trade Prices for both versions are the same.

Functions

Wt
Pulse detection

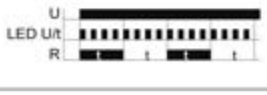


Ec
Additive ON delay



Es
ON delay with control contact

Bi
Flasher pulse first



Bp
Flasher pause first

Wa
Single shot trailing edge with control contact

Ws
Single shot leading edge with control contact

Wu
Single shot leading edge voltage controlled

E
ON delay

R
OFF delay

Timer Models

Model	V2ZM10 (*)	V2ZM10-A
Functions	Wt, Ec, Es, Bi, Bp, Wa, Ws, Wu, E, R	Wt, Ec, Es, Bi, Bp, Ws, Wa, E, R, EWu (not shown)
Contacts	1 C/O Timed	1 C/O Timed
Voltage	12 - 240VAC/DC	12 - 240VAC/DC
Time Range	50 msec - 100 hours - 10 ranges	50 msec - 100 hours - 10 ranges
Response Time	150ms	150ms
Operating Temperature	-25 - +60 °C	-25 - +60 °C
Suitable for Frequency Converters	Yes	Yes
Size	22.5mm wide	22.5mm wide
List Price	**$145.08**	**$145.08**

(*) - The VEO product range is available with Push-in terminals. Push-in terminals mean faster tool-free installation and the connections are vibration resistant. Simply add the suffix "P" to the product code. The V2ZM10 timer with Push-In terminals has a product coce of V2ZM10P. The V2ZM10-A is only available with screw terminals. The Trade Price for Push-in versions are the same.

Functions

Ii
Asymmetric flasher pulse first

Ip
Asymmetric flasher pause first

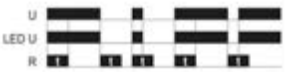
E
ON delay

A
OFF Delay without Auxiliary Voltage

nWa
Maintained single shot trailing edg

nWu
Maintained single shot leading edge

nWuWa
Maintained single shot leading & trailing edge



S
Star-Delta start-up

Timer Models

Model	V2ZI10 (*)	V2ZA10 (*)	V2ZS20 (*)
Functions	Ii, Ip	E, A, nWa, nWu, nWuWa	Star/Delta Timer (S)
Contacts	1 C/O Timed	1 C/O Timed	2 N/O Contacts
Voltage	12 - 240VAC/DC	24 - 240VAC/DC	12 - 240VAC/DC
Time Range	50 msec - 100 hours	100 msec - 3 min	Time Y - 50 msec to 3min
Features	10 ranges	4 ranges (no Aux)	Time Y⇨△ - 40ms to 100ms
Response Time	150ms	150ms	150ms
Operating Temperature	-25 - +60 °C	-25 - +60 °C	-25 - +60 °C
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$156.65**	**$214.76**	**$141.49**

(*) - The entire VEO product range is also available with Push-in terminals. The Push-in terminal means faster tool-free installation and the connections are vibration resistant. Simply add the suffix "P" to the product code above. For example the V2ZA10 timer with Push-In terminals has a product code of V2ZA10P. Trade Prices for both versions are the same.

Functions

E
ON delay

R
OFF delay

Es
ON delay with control contact

Wu
Single shot leading edge voltage controlled

Bp
Flasher pause first

Wa
Single shot trailing edge with control contact

Ws
Single shot leading edge with control contact

Timer Models

Model	E1ZM10 12-240V	E1ZM10 24-240V	E3ZM20
Functions	E, R, Es, Wu, Bp, Wa, Ws	E, R, Es, Wu, Bp, Wa, Ws	E, R, Es, Wu, Bp, Wa, Ws
Voltage	12 - 240VAC/DC	24 - 240VAC/DC	12 - 240VAC/DC
Contacts	1 C/O Timed	1 C/O Timed	2 C/O Timed
Contact Rating	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)
Time Range	50 msec - 100 hours 7 ranges	50 msec - 100 hours 7 ranges	50 msec - 100 hours 7 ranges
Overvoltage Category	III (IEC 60664-1)	III (IEC 60664-1)	III (IEC 60664-1)
Rated Surge Voltage	4kV	4kV	4kV
Suitable for Frequency Converters	No	No	No
Size	17.5mm wide	17.5mm wide	35mm wide
List Price	**$126.15**	**$108.79**	**$175.92**

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Automation Components

Functions

E
ON delay

R
OFF delay

WsWa
Single shot leading and trailing edge with control contact

Wu
Single shot leading edge voltage controlled

Bp
Flasher pause first

Wa
Single shot trailing edge with control contact

Ws
Single shot leading edge with control contact

Wt
Pulse detection

Timer Models

Model	E1ZMQ10	E1Z1E10	E1ZMW10
Functions	E, R, Wu, Bp	ON Delay Timer	E, R, WsWa, Wu, Wa, Ws, Wt
Voltage	24 - 240VAC/DC	24 - 240VAC/DC	24 - 240VAC/DC
Contacts	1 C/O Timed	1 C/O Timed	1 C/O Timed
Contact Rating	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)
Time Range	50 msec - 100 hours	50 msec - 100 hours	50 msec - 100 hours
	7 ranges	7 ranges	7 ranges
Overvoltage Category	III (IEC 60664-1)	III (IEC 60664-1)	III (IEC 60664-1)
Rated Surge Voltage	4kV	4kV	4kV
Suitable for Frequency Converters	No	No	No
Size	17.5mm wide	17.5mm wide	17.5mm wide
List Price	**$83.33**	**$78.70**	**$126.15**

Functions

Ii
Asymmetric flasher pulse first

Ip
Asymmetric flasher pause first

ER
ON and OFF delay with control contact

EWu
ON delay and single shot leading edge voltage controlled

EWs
ON delay and single shot leading edge with control contact

WsWa
Single shot leading and trailing edge with control contact

Wt
Pulse detection

Timer Models

Model	E1ZI10	E3ZI20
Functions	Ii, Ip	Ii, Ip, ER, Ewu, Ews, WsWa, Wt
Voltage	12 - 240VAC/DC	12 - 240VAC/DC
Contacts	1 C/O Timed	2 C/O Timed
Contact Rating	2000VA (8A - 250VAC)	2000V (8A - 250VAC)
Time Range	50 msec - 100 hours	50 msec - 100 hours
	7 ranges	7 ranges
Overvoltage Category	III (IEC 60664-1)	III (IEC 60664-1)
Rated Surge Voltage	4kV	4kV
Suitable for Frequency Converters	No	No
Size	17.5mm wide	35mm wide
List Price	**$126.15**	**$194.48**

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

E
ON delay

R
OFF delay

Es
ON delay with control contact

Wu
Single shot leading edge voltage controlled

Bp
Flasher pause first

Wa
Single shot trailing edge with control contact

Ws
Single shot leading edge with control contact

Timer Models

Model	R11X	K3ZM20
Functions	11 Pin Base	E, R, Es, Wu, Bp, Wa, Ws
Voltage	300VAC	12 - 240VAC/DC
Contacts		2 C/O Timed
Contact Rating		2000VA (8A - 250VAC)
Time Range		50 msec - 100 hours 7 ranges
Overvoltage Category		III (IEC 60664-1)
Rated Surge Voltage		4kV
Suitable for Frequency Converters		No
Size	38mm wide	38mm wide
List Price	**$10.32**	**$168.15**

Functions

Ii
Asymmetric flasher pulse first

Ip
Asymmetric flasher pause first

ER
ON and OFF delay with control contact

EWu
ON delay and single shot leading edge voltage controlled

EWs
ON delay and single shot leading edge with control contact

WsWa
Single shot leading and trailing edge with control contact

Wt
Pulse detection

Timer Models

Model	R11X	K3ZI20
Functions	11 Pin Base	Ii, Ip, ER, Ewu, Ews, WsWa, Wt
Voltage	300VAC	12 - 240VAC/DC
Contacts		2 C/O Timed
Contact Rating		2000V (8A - 250VAC)
Time Range		50 msec - 100 hours 7 ranges
Overvoltage Category		III (IEC 60664-1)
Rated Surge Voltage		4kV
Suitable for Frequency Converters		No
Size	38mm wide	38mm wide
List Price	**$10.32**	**$168.15**

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

TIME RELAYS - Combi Series

Automation Components

Functions

E
ON delay

R
OFF delay

Es
ON delay with control contact

Bi
Flasher pulse first

Bp
Flasher pause first

Wa
Single shot trailing edge with control contact

Ws
Single shot leading edge with control contact

Wu
Single shot leading edge voltage controlled

Timer Models

Model	ES9	ES12	Com3T
Functions	8 Pin Octal Base	11 Pin Octal Base	E, R, Es, Bi, Bp, Wa, Ws, Wu
Voltage	300VAC	300VAC	24 - 240VAC/DC
Contacts	2 C/O Timed	3 C/O Timed	
Contact Rating	Up to 10A with suitable Relay	Up to 10A with suitable Relay	Up to 10A with suitable Relay
Time Range			50 msec - 10 days 8 ranges
Suitable for Frequency Converters			No
Size	38mm wide	38mm wide	38mm wide
List Price	**$14.20**	**$14.20**	**$80.13**

Please Note: The ES9 Base is suitable with any 8 Pin Octal Relay and the ES12 is suitable for any 11 Pin Octal Relay. Please contact us for options available.

Functions

E
ON delay

R
OFF delay

Es
ON delay with control contact

Bi
Flasher pulse first

Bp
Flasher pause first

Wa
Single shot trailing edge with control contact

Ws
Single shot leading edge with control contact

Wu
Single shot leading edge voltage controlled

Timer Models

Model	TVC11	FSM10/24VAC/DC	FSM10/110-240VAC
Functions	11 Pin Octal Base	E, R, Es, Bi, Wu, Bp, Wa, Ws	E, R, Es, Bi, Wu, Bp, Wa, Ws
Voltage	300VAC	24VAC/DC	110 - 240VAC
Contacts/Application	Panel Mounting	1 C/O Timed	1 C/O Timed
Contact Rating		1250VA (5A - 250VAC)	1250VA (5A - 250VAC)
Time Range		1 msec - 1000 hours	1 msec - 1000 hours
		8 ranges	8 ranges
Display		LCD	LCD
Indicators		Relay Status, Reset, Lock	Relay Status, Reset, Lock
Suitable for Frequency Converters		No	No
Size	45mm wide	45mm wide	45mm wide
List Price	**$12.52**	**$381.93**	**$381.93**

Please Note: For DIN Rail Mounting of the FSM product range we recommend the R11X 11 Pin Octal Base.

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

T
Automatic timer without switch-off warning

TW
Automatic timer with switch-off warning

P
Impulse switch mode without time function

PN
Impulse switch mode power fail latch

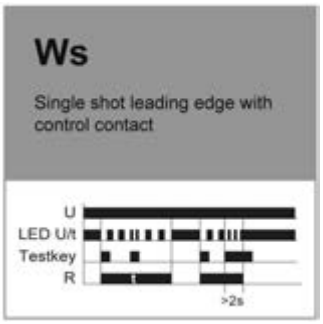
Wi
Impulse switch with OFF delay

Models

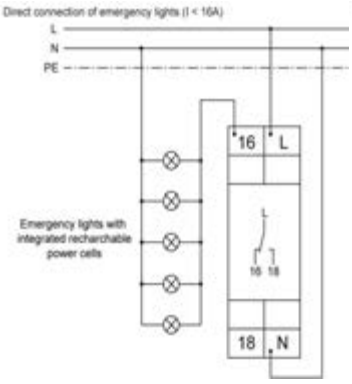
Model	E1ZTP	E1ZTPNC	E1ZWI
Functions	TW, P, 1, 0	T, TW, P, PN, 1, 0	Impulse switch with off delay (Wi)
Voltage	230VAC	230VAC	230VAC
Contacts	1 C/O	1 C/O	1 C/O Timed
Contact Rating	16A (80A Inrush - 20ms)	16A (80A Inrush - 20ms)	16A (80A Inrush - 20ms)
Time Ranges	0.5 - 12 min	0.5, 2, 4, 6, 8, 10, 12 min	6, 10, 20, 30, 40, 50,60 min
Pushbutton Glowlamp Load	100mA	100mA	N/A
Low Switching Noise	Yes	Yes	Yes
Additional Control Input	No	Yes	N/A
Size	17.5mm wide	17.5mm wide	17.5mm wide
List Price	**$94.90**	**$110.18**	**$101.85**

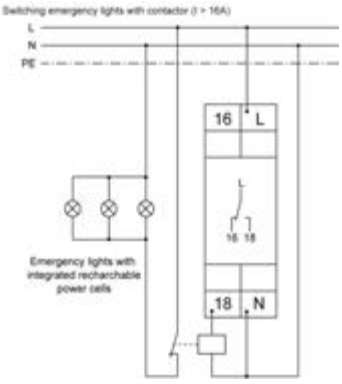
Please Note: Function 1 is permanently ON and Function 0 is permanently OFF

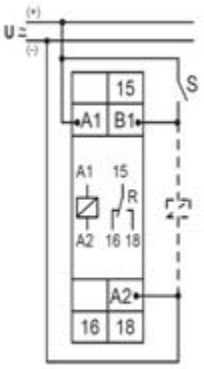
Functions



E1ZNT Connection Diagrams







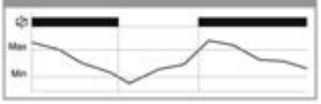
Model	E1ZNT	E1Z1R10
Functions	Emergency Light Testing (Ws)	External Input Emergency Light Testing - OFF Delay (R)
Features	Integrated Test Push Button	External Input
Start Test / Activate	Press Push Button < 2 sec	External Input
Stop Test / Deactivate	Press Push Button > 2 sec	External Input
Voltage	230VAC	24-240VAC/DC
Contacts	1 C/O Timed	1 C/O Timed
Contact Rating (Direct - L&16)	16A (80A Inrush - 20ms)	
Contact Rating (Contactor - L&18)	1250VA (5A - 250VAC)	2000VA (8A - 250VAC)
Indication	Green/Yellow LED	Green/Yellow LED
Time Settings	10, 30, 60, 90, 120, 180 min	50 msec - 100 hours
Size	17.5mm wide	17.5mm wide
List Price	**$106.66**	**$78.70**

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

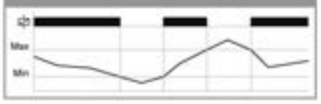
UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.



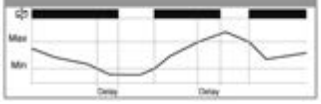
WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.



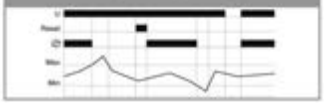
DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



LATCH (Fault latch)

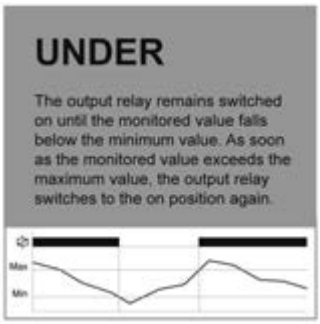
If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.

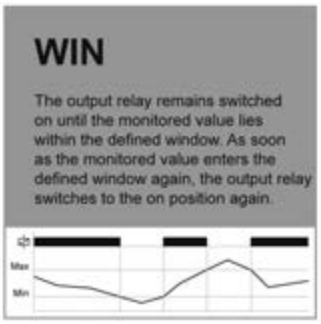


Voltage Monitoring Models

Model	G4PM690VSYL20**	G4PM500VSYL20**
Functions	Under, Under+Sequence, Window, Window+Sequence	Under, Under+Sequence, Window, Window+Sequence
Contacts	2 C/O	2 C/O
Measuring Voltage	3 Phase - 400/690VAC	3 Phase - 500VAC
Control Voltage	12 - 500VAC**	12 - 500VAC**
Tripping Delay / Fault Latch	0.1 - 10 sec / Yes	0.1 - 10 sec / Yes
Asymmetry Monitoring	5 - 25% or OFF	5 - 25% or OFF
Suitable for Frequency Converters	Yes	Yes
Suitable for Motor Applications	Yes	Yes
Size	45mm wide	45mm wide
List Price	**$395.80**	**$395.80**

Functions





Voltage Monitoring Models

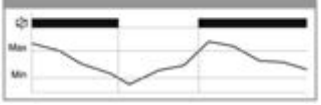
Model	G2PM400VSY20 24-240V	G2PM400VSY20**	G2PM400VSY10**
Functions	Under, Under+Sequence, Window, Window+Sequence	Under, Under+Sequence, Window, Window+Sequence	Under, Under+Sequence, Window, Window+Sequence
Contacts	2 C/O	2 C/O	1 C/O
Measuring Voltage	3 Phase - 400VAC	3 Phase - 400/VAC	3 Phase - 400VAC
Control Voltage	24 - 240VAC/DC	12 - 440VAC**	12 - 440VAC**
Tripping Delay	0.1 - 10 sec	0.1 - 10 sec	0.1 - 10 sec
Asymmetry Monitoring	5 - 25% or OFF	5 - 25% or OFF	5 - 25% or OFF
Suitable for Frequency Converters	Yes	Yes	Yes
Suitable for Motor Applications	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$320.27**	**$258.34**	**$234.89**

** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Functions

UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.

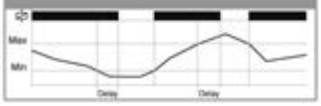


WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.

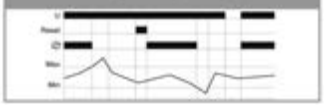
DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



Voltage Monitoring Models

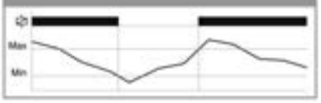
Model	G2PM230VSY20 24-240V	G2PM230VSY10**	G2YM400VL20**
Functions	Under, Under+Sequence, Window, Window+Sequence	Under, Under+Sequence, Window, Window+Sequence	Under, Under+Sequence, Window, Window+Sequence
Contacts	2 C/O	1 C/O	2 C/O
Measuring Voltage	3 Phase - 230VAC	3 Phase - 230VAC	3 Phase - 400VAC
Control Voltage	24 - 240VAC/DC	12 - 440VAC**	12 - 440VAC**
Tripping Delay / Fault Latch	0.1 - 10 sec / No	0.1 - 10 sec / No	0.1 - 10 sec / Yes
Asymmetry Monitoring	5 - 25% or OFF	5 - 25% or OFF	No
Suitable for Frequency Converters	Yes	Yes	Yes
Suitable for Motor Applications	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$320.27**	**$269.28**	**$266.09**

** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Functions

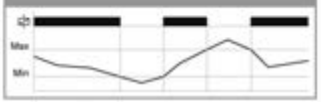
UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.



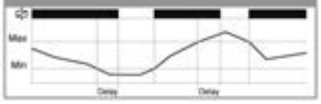
WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.



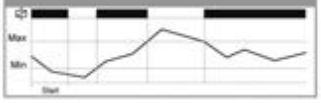
DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



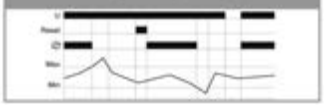
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



Voltage Monitoring Models

Model	G2PF400VS02	G2FW50HzYFA02**	G2FW400VL20 24-240V
Functions	Phase Failure & Sequence Monitoring	Voltage & Frequency Monitoring - 50Hz	Frequency Monitoring 50Hz or 60Hz Systems
Contacts	2 C/O	2 C/O	2 C/O
Measuring Voltage	3 Phase - 400VAC	400VAC	110VAC - 400VAC
Control Voltage	400VAC	12 - 440VAC**	24 - 240VAC/DC
Tripping Delay / Fault Latch / Start-up Delay	No	Fixed <200msec / No / 30 sec	0.1 - 10 sec / Yes / 0 - 10 sec
Asymmetry Monitoring	Fixed - 30%	No	No
Suitable for Frequency Converters	Yes	Yes	Yes
Suitable for Motor Applications	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$152.43**	**$529.39**	**$306.66**

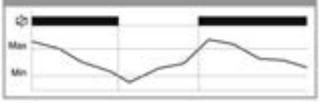
** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

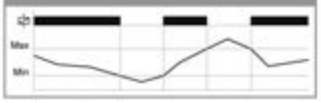
UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.



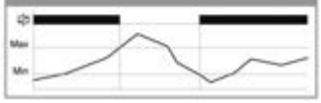
WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.



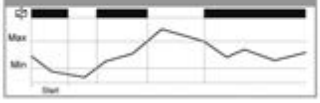
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



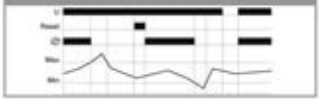
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



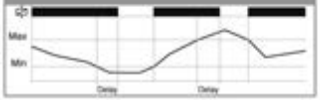
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



DELAY

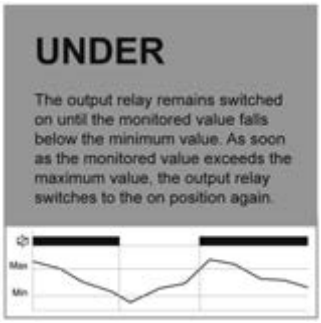
If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.

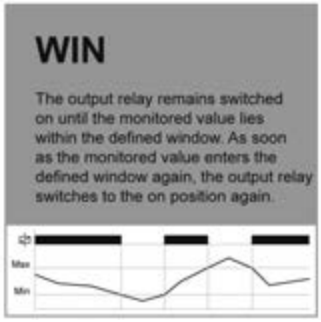


Voltage Monitoring Models

Model	G2UM300VL20 24-240V	G2UM10VL20 24-240V
Functions	Under, Over, Window	Under, Over, Window
Contacts	2 C/O	2 C/O
Measuring Voltage	Single Phase - 30V/60V/300V AC/DC	Single Phase - 60mV/150mV/10V AC/DC
Control Voltage	24 - 240VAC/DC	24 - 240VAC/DC
Tripping Delay / Fault Latch / Start-up Delay	0.1 - 10 sec / Yes / 0 - 10 sec	0.1 - 10 sec / Yes / 0 - 10 sec
Asymmetry Monitoring	No	No
Suitable for Frequency Converters	Yes	Yes
Suitable for Motor Applications	No	No
Size	22.5mm wide	22.5mm wide
List Price	**$290.16**	**$290.16**

Functions



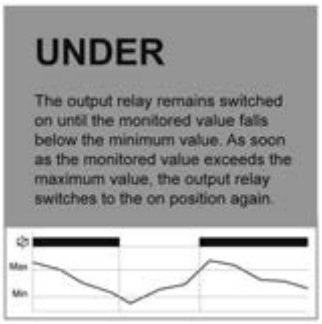


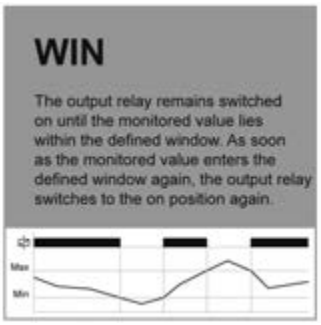
Voltage Monitoring Models

Model	V2PM400Y/230VS10 (*)	V2PF480Y/277VSY01 (*)	V4PF480Y/277VSYTK02 (*)
Functions	Under, Under+Sequence, Window, Window+Sequence	Under, Under+Sequence	Under, Under+Sequence, Motor Tempoerature (PTC)
Contacts	1 C/O	1 C/O	1 C/O
Measuring Voltage	3 Phase - 400VAC	3 Phase - 400/VAC	3 Phase - 400VAC
Control Voltage	400VAC	400VAC	400VAC
Tripping Delay	0.1 - 10 sec	Fixed < 250m sec	Fixed < 250m sec
Asymmetry Monitoring	No	5 - 25% or OFF	5 - 25% or OFF
Suitable for Frequency Converters	Yes	Yes	Yes
Suitable for Motor Applications	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	45mm wide
List Price	**$247.60**	**$138.96**	**$224.86**

(*) - The entire VEO product range is also available with Push-in terminals. The Push-in terminal means faster tool-free installation and the connections are vibration resistant. Simply add the suffix "P" to the product code above. For example the V2PM400Y/230VS10 with Push-In terminals has a product code of V2PM400/230VS10P. Trade Prices for both versions are the same.

Functions

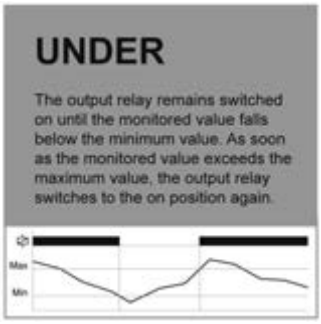




Voltage Monitoring Models

Model	E1YM400VS10	E1PF400VSY01	E3PF400VSY02
Functions	Under, Under+Sequence, Window, Window+Sequence	Under, Under+Sequence	Under, Under+Sequence
Contacts	1 C/O	1 C/O	2 C/O
Measuring Voltage	3 & 1 Phase - 400/230VAC	3 Phase - 400/VAC	3 Phase - 400/VAC
Control Voltage	400/230VAC	400VAC	400VAC
Tripping Delay	0.1 - 10 sec	Fixed - 100m sec	Fixed - 100m sec
Asymmetry Monitoring	No	5 - 25% or OFF	5 - 25% or OFF
Suitable for Frequency Converters	No	No	No
Suitable for Motor Applications	Yes	Yes	Yes
Size	17.5mm wide	17.5mm wide	55mm wide
List Price	**$167.72**	**$144.62**	**$188.65**

Functions



Voltage Monitoring Models

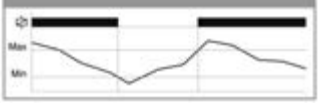
Model	E1PF480Y/277VSY01	E1YU400V01	E3YU400V02
Functions	Under + Sequence	Under (adjustable)	Under (adjustable)
Contacts	1 C/O	1 C/O	2 C/O
Measuring Voltage	3 Phase - 480/277VAC	3 & 1 Phase - 400/230VAC	3 & 1 Phase - 400/230VAC
Control Voltage	480/277VAC	400/230VAC	400/230VAC
Tripping Delay	Fixed - 100m sec	Fixed - 200m sec	Fixed - 200m sec
Asymmetry Monitoring	5 - 25% or OFF	No	No
Suitable for Frequency Converters	No	No	No
Suitable for Motor Applications	Yes	No	No
Size	17.5mm wide	17.5mm wide	35mm wide
List Price	**$163.24**	**$132.52**	**$190.97**

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

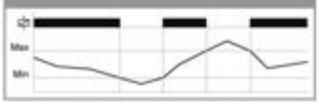
UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.



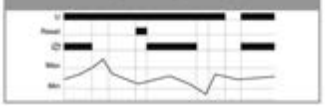
WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.



LATCH (Fault latch)

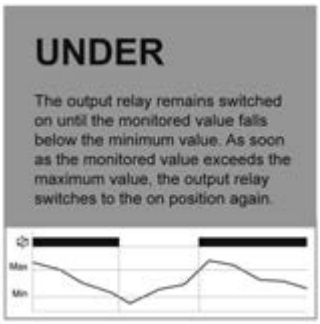
If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.

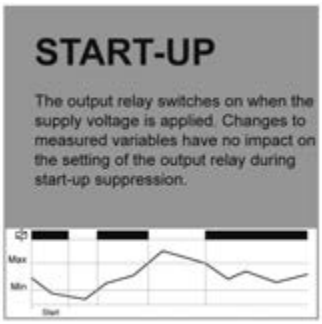


Voltage Monitoring Models

Model	E1YF400VT01	E3YF400VT02	E3YF400VFAL02
Functions	Under, Test	Under, Test	Window, Latch
Contacts	1 C/O	2 C/O	2 C/O
Measuring Voltage	3 & 1 Phase - 400/230VAC	3 & 1 Phase - 400/230VAC	3 & 1 Phase - 400/230VAC
Control Voltage	400/230VAC	400/230VAC	400/230VAC
Tripping Delay / Failure Delay	Fixed - 200m sec	Fixed - 200m sec	Fixed - 200m sec / 20m sec
Asymmetry Monitoring	No	No	No
Suitable for Frequency Converters	No	No	No
Suitable for Motor Applications	No	No	No
Size	17.5mm wide	35mm wide	35mm wide
List Price	**$135.06**	**$187.49**	**$190.97**

Functions



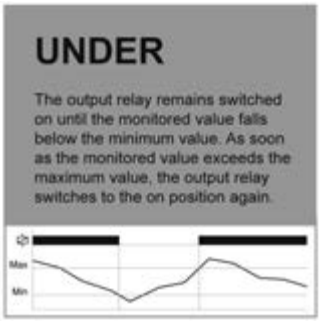


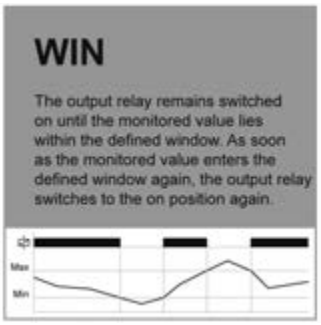
Voltage Monitoring Models

Model	E1YF400V01	E3YF400V02	E3YF400VE20
Functions	Under (85%)	Under (85%)	Under (85%), On-Delay
Contacts	1 C/O	2 C/O	2 C/O
Measuring Voltage	3 & 1 Phase - 400/230VAC	3 & 1 Phase - 400/230VAC	3 & 1 Phase - 400/230VAC
Control Voltage	400/230VAC	400/230VAC	400/230VAC
Tripping Delay	Fixed - 200m sec	Fixed - 200m sec	Reset Time 0.5 sec
Asymmetry Monitoring	No	No	No
Suitable for Frequency Converters	No	No	No
Suitable for Motor Applications	No	No	No
Size	17.5mm wide	35mm wide	35mm wide
List Price	**$115.62**	**$170.08**	**$190.97**

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

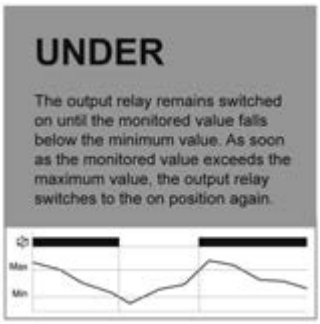


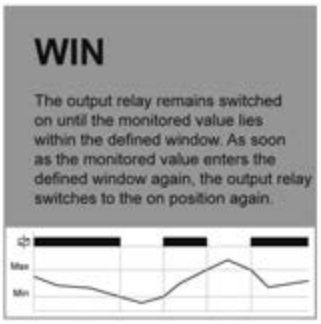


Voltage Monitoring Models

Model	R11X	K3YM400VSY20	K3PF400VSY02
Functions	11 Pin Base	Under, Under+Sequence, Window, Window+Sequence	Under + Sequence
Contacts	300VAC	2 C/O	2 C/O
Measuring Voltage		3 & 1 Phase - 400/230VAC	3 Phase - 400VAC
Control Voltage		400/230VAC	400VAC
Tripping Delay		0.1 - 10 sec	Fixed - 100m sec
Asymmetry Monitoring		5 - 30% or OFF	5 - 30% or OFF
Suitable for Frequency Converters		No	No
Suitable for Motor Applications		Yes	Yes
Size	38mm wide	38mm wide	38mm wide
List Price	**$10.32**	**$210.04**	**$188.18**

Functions





Voltage Monitoring Models

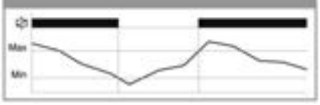
Model	R11X	K3UM230VAC02	K3UM24VDC02
Functions	11 Pin Base	Under & Window	Under & Window
Contacts	300VAC	2 C/O	2 C/O
Measuring Voltage		Single Phase - 230VAC	Single Phase - 24VDC
Control Voltage		230VAC	24VDC
Tripping Delay		None	None
Asymmetry Monitoring		No	No
Suitable for Frequency Converters		No	No
Suitable for Motor Applications		Yes	Yes
Size	38mm wide	38mm wide	38mm wide
List Price	**$10.32**	**$193.04**	**$200.33**

Automation Components

Functions

UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.

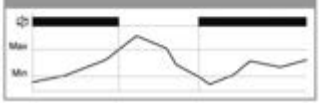


WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.

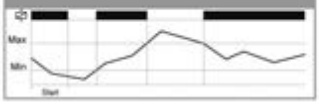
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



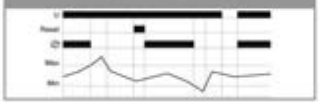
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



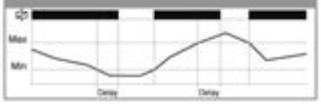
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



Three Phase Current Monitoring Models

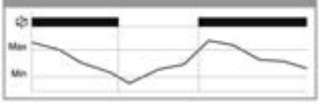
Model	G2JM5AL20 24-240V	G2JM5AL20**
Functions	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch
Contacts	2 C/O	2 C/O
Measuring	Three Phase Current - 5 Amps	Three Phase Current - 5 Amps
Control Voltage	24 - 240VAC/DC	12 - 400VAC**
Tripping Delay / Fault Latch / Start-up Delay	0.1 - 10 sec / Yes / 0 - 10 sec	0.1 - 10 sec / Yes / 0 - 10 sec
Suitable for Frequency Converters	Yes	Yes
Size	22.5mm wide	22.5mm wide
List Price	**$313.72**	**$261.03**

** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Functions

UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.

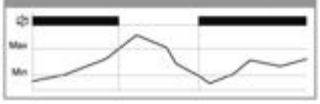


WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.

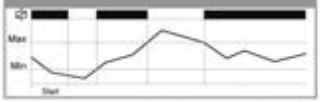
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



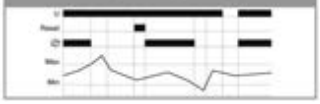
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



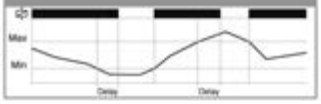
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



Single Phase AC/DC Current Monitoring Models

Model	G2IM10AL20 24-240V	G2IM5AL20 24-240V	G2IM5AL20**
Functions	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch
Contacts	2 C/O	2 C/O	2 C/O
Measuring	Single Phase AC/DC Current 100mA, 1A, 10A	Single Phase AC/DC Current 20mA, 1A, 5A	Single Phase AC/DC Current 20mA, 1A, 5A
Control Voltage	24 - 240VAC/DC	24 - 240VAC/DC	12 - 400VAC**
Tripping Delay / Fault Latch	0.1 - 10 sec / Yes	0.1 - 10 sec / Yes	0.1 - 10 sec / Yes
Start-up Delay	0 - 10 sec	0 - 10 sec	0 - 10 sec
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$326.59**	**$326.59**	**$299.89**

** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

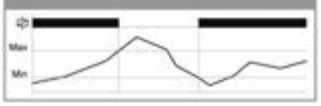
Functions

WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.

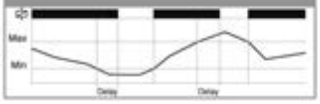
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



Single Phase AC/DC Current Monitoring Models

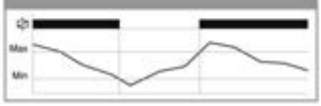
Model	G2IW5A10**	G2IO5A10**
Functions	Window	Over
Contacts	1 C/O	1 C/O
Measuring	Single Phase AC/DC Current 20mA, 1A, 5A	Single Phase AC/DC Current 20mA, 1A, 5A
Control Voltage	12 - 400VAC**	12 - 400VAC**
Tripping Delay	0.1 - 10 sec	0.1 - 10 sec
Start-up Delay	No	No
Suitable for Frequency Converters	Yes	Yes
Size	22.5mm wide	22.5mm wide
List Price	**$248.89**	**$260.24**

** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Functions

UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.

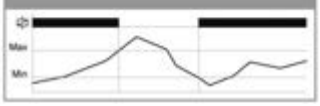


WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.

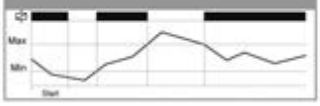
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



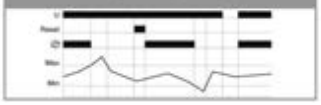
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



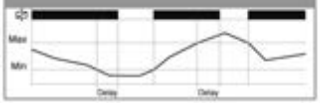
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



Single Phase AC/DC Current Monitoring Models

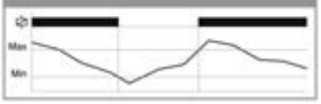
Model	V4IM100AL20 (*)
Functions	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch, Maximium/Minimum, Maximum/Minimum + Latch
Contacts	2 C/O
Measuring	Single Phase AC/DC Current 100A
Control Voltage	24 - 240VAC/DC
Tripping Delay	0.1 - 10 sec
Start-up Delay	0 - 10 sec
Suitable for Frequency Converters	Yes
Size	45mm wide
List Price	**$232.53**

(*) - The entire VEO product range is also available with Push-in terminals. The Push-in terminal means faster tool-free installation and the connections are vibration resistant. Simply add the suffix "P" to the product code above. For example the V4IM100AL20 with Push-In terminals has a product code of V4IM100AL20P. Trade Prices for both versions are the same.

Functions

UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.

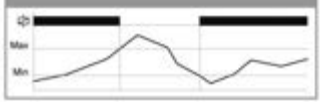


WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.

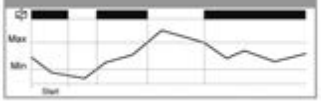
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



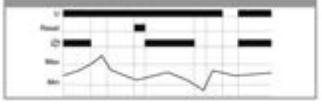
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



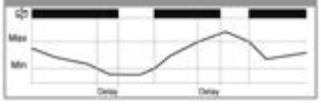
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



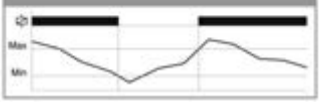
Single Phase AC Current Monitoring Models

Model	E1IM10AACL10	E1IU5AAC01	E1IU500mAAC
Functions	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch	Under	Under
Contacts	1 C/O - 8 Amp	1 C/O - 8 Amp	1 C/O - 8 Amp
Measuring	Single Phase AC/DC Current 10A	Single Phase AC/DC Current 5A	Single Phase AC/DC Current 500mA
Control Voltage	240VAC	240VAC	240VAC
Tripping Delay / Fault Latch	0.1 - 10 sec / Yes	No	No
Start-up Delay	No	No	No
Suitable for Frequency Converters	No	Yes	Yes
Size	17.5mm wide	17.5mm wide	17.5mm wide
List Price	**$176.90**	**$151.74**	**$170.65**

Functions

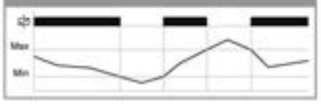
UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.



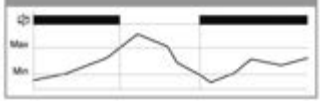
WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.



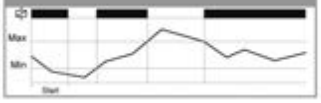
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



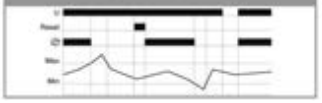
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



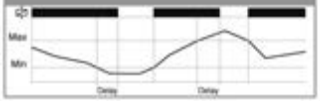
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



Single Phase AC Current Monitoring Models

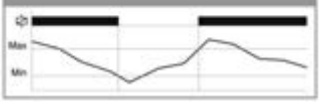
Model	R11X	K3IM5AACL20
Functions	11 Pin Base	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch
Contacts		2 C/O
Measuring		Single Phase AC Current - 5A
Control Voltage	300VAC	240VAC
Tripping Delay / Fault Latch		0.1 - 10 sec / Yes
Start-up Delay		0 - 10 sec
Suitable for Frequency Converters		No
Size	38mm wide	38mm wide
List Price	**$10.32**	**$225.83**

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: T01

Functions

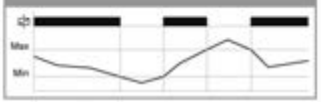
UNDER

The output relay remains switched on until the monitored value falls below the minimum value. As soon as the monitored value exceeds the maximum value, the output relay switches to the on position again.



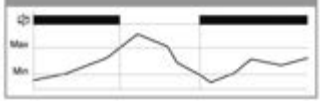
WIN

The output relay remains switched on until the monitored value lies within the defined window. As soon as the monitored value enters the defined window again, the output relay switches to the on position again.



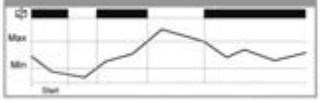
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



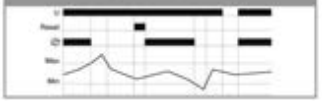
START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.



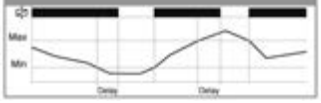
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



DELAY

If the monitored value leaves the selected range, the output relay only switches to the off position following expiry of the trip delay.



Temperature Monitoring Models

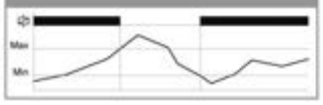
Model	G2TMPT100L20 24-240V	G2TF02 24-240V	G2TF02**
Functions	Under, Under + Latch, Over, Over + Latch, Window, Window + Latch	Over, Over + Latch, Reset Button	Over, Over + Latch, Reset Button
Contacts	2 C/O	2 C/O	2 C/O
Measuring Range	PT100 (-50, 0, +50, +100)	Motor Winding PTC Monitoring	Motor Winding PTC Monitoring
Sensor Monitoring / Sensor Number	Yes / 1	No / up to 6	No / up to 6
Control Voltage	24 - 240VAC/DC	24 - 240VAC/DC	12 - 400VAC**
Start-up Delay / Fault Latch	1 - 30 min / Yes	No / Yes	No / Yes
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	**$288.96**	**$248.89**	**$213.68**

** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Functions

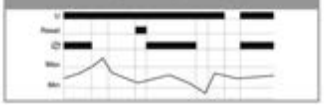
OVER

The output relay remains switched on until the monitored value exceeds the maximum value. As soon as the monitored value falls below the minimum value, the output relay switches to the on position again.



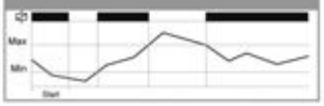
LATCH (Fault latch)

If the device detects a fault, the output relay only switches on again when the fault latch has been reset. The fault latch can be reset by means of an internal or external reset button or by interrupting the supply voltage.



START-UP

The output relay switches on when the supply voltage is applied. Changes to measured variables have no impact on the setting of the output relay during start-up suppression.

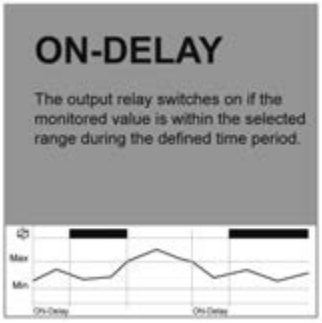


Temperature Monitoring Models

Model	V2TF01 (*)	E3TF01
Functions	Over	Over, Over + Latch, Reset Button
Contacts	1 C/O	1 C/O
Measuring Range	Motor Winding PTC Monitoring	Motor Winding PTC Monitoring
Sensor Monitoring / Sensor Number	No / up to 6	No / up to 6
Control Voltage	24 - 240VAC/DC	230VAC
Start-up Delay / Fault Latch	50m sec / No	No / Yes
Suitable for Frequency Converters	Yes	No
Size	22.5mm wide	35mm wide
List Price	**$124.17**	**$166.66**

(*) - The entire VEO product range is also available with Push-in terminals. The Push-in terminal means faster tool-free installation and the connections are vibration resistant. Simply add the suffix "P" to the product code above. For example the V2TF01 product with Push-In terminals has a product code of V2TF01P. Trade Prices for both versions are the same.

Functions

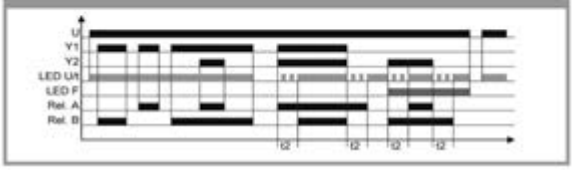


Liquid Level Monitoring Models

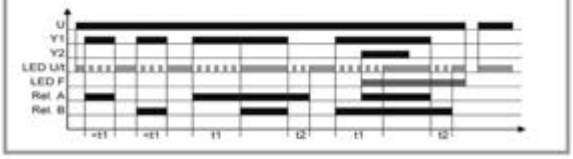
Model	G2LM20 230VAC	G2LM20 24VAC	E3LM10
Functions	Pump Up, Pump Down	Pump Up, Pump Down	Pump Up, Pump Down
Contacts	2 C/O	2 C/O	1 C/O
Control Voltage	230VAC	24VAC	230VAC
Tripping Delay (Delay On)	0.5 - 10 sec	0.5 - 10 sec	0.5 - 10 sec
Turn Off Delay (Delay Off)	0.5 - 10 sec	0.5 - 10 sec	0.5 - 10 sec
Sensitivity Control Adjustable	Yes - 0.5 to 100kΩ	Yes - 0.5 to 100kΩ	Yes - 0.5 to 100kΩ
Suitable for Frequency Converters	Yes	Yes	No
Size	22.5mm wide	22.5mm wide	35mm wide
List Price	**$248.89**	**$280.46**	**$175.31**

Functions

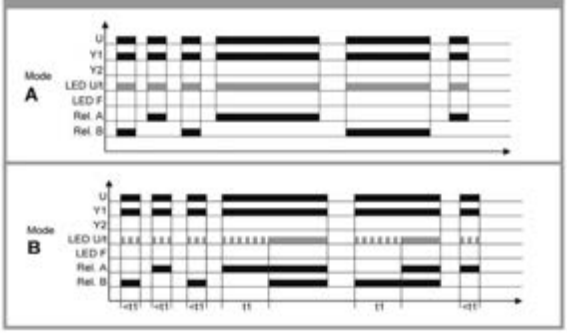
Mode A (parallel operation triggered by input Y2)
In this mode both outputs are activated in parallel, if the input for parallel operation (Y2-Y3 is closed in addition to the contact for operation request (Y1-Y3). If both inputs are closed or opened simultaneously, the output relays will be activated or deactivated with a fixed timing offset of 2 seconds to avoid water hammer and electrical load peaks. Without activating the input for parallel operation the two outputs are activated one at a time but never in parallel.



Mode B (parallel operation triggered by timing)
In this mode the timing dial is set to the selected position unlike the Mode A setting. An interrupted operation request that is longer than the adjusted delay t1 will activate the second output relay for parallel operation. At the end of a period of parallel operation the output added after the delay t1 will drop immediately. The other relay, active from the beginning of the request, will drop with offset of the fixed delay t2.



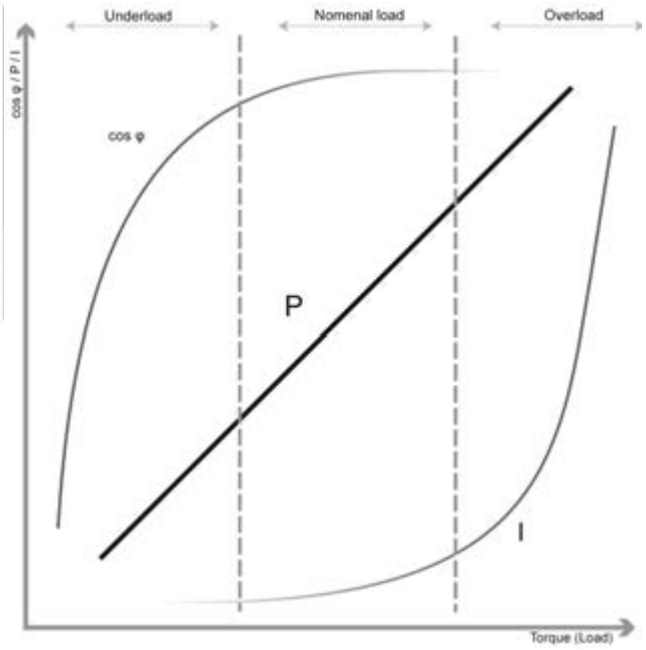
Function control by supplied power
With a link wired at the input for operation request (Y1-Y3) alternate operation is activated by supplying the auxiliary voltage to the unit. Using the Mode B setting by adjusting the dial to any time setting the second relay will operate after the set time delay for parallel operation (t1). When supply is disconnected both relays drop immediately. There is no parallel operation in Mode A as it is not recommended to use the contact Y2 in case of control by supplied power.



Model	G2ASMA20**
Functions	Pump Alternator
Contacts	2 C/O
Control Voltage	12 - 400VAC**
Mode A	Parallel Operation via Separate Input
Mode B	Parallel Operation via Time Delay / 2 - 300 sec
Duty Cycle Control	Even Distribution of Duty
Parallel Duty On High Demand	Yes
Suitable for Frequency Converters	Yes
Size	22.5mm wide
List Price	**$219.76**

** Please Note that a TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

Technical Information



USING THE MOTOR AS A SENSOR

Expensive breakdowns and down time can be prevented by the TELE's Load Monitoring Relays. They provide reliable and cost effective protection for pumps and motors.

Load Monitoring Relays offer huge advantages over sensors:

- No decalibration or sensor failure due to contamination
- No maintenance or cleaning costs
- Easy to use
- Saving of cabling costs
- Use of explosion-proof barriers unnecessary
- Simple retrofitting

Using Current Monitoring can be difficult due to the non-linear current draw in fault conditions. Using cos Ø Monitoring Relays is perfect for Underload protection but on True Power Monitoring Relays can protect Pumps and Motors accurately and safely.

LOAD MONITORING RELAYS

G4BM480V12ADTL20

G2BA400V12A 4..20mA

G4BM480V12ADTL20**	Digital True Power Monitoring Relay, 1 & 3 Phase, 0.15 - 12A Functions: Digital Setting, Multifunction, Temperature Monitoring of Motor Winding, Fault Latch, Detection of Disconnected Load, Suitable for VFI TR3 Power Module (12-500VAC), 2 C/O, 45mm	$852.83
G2BM400V12AL10**	True Power Monitoring Relay, 1 & 3 Phase, 0.5 - 12A - Functions: Multifunction, Fault Latch, Detection of Disconnected Load, Suitable for VFI, TR2 Power Module (12-440VAC), 1 C/O, 22.5mm wide	$480.27
G2BM400V12AFL10**	True Power Monitoring Relay, 1 & 3 Phase, 0.5 - 12A - Functions: Multifunction, Fault Latch, Detection of Disconnected Load, Suitable for VFI, TR2 Power Module (12-440VAC), 1 C/O, 22.5mm wide	$480.27
G2CM400V10AL20**	Power Factor Monitoring Relay (cos Ø), 1 & 3 Phase, 0.5 - 10A Functions: Multifunction, Fault Latch, Detection of Disconnected Load, Suitable for VFI, TR2 Power Module (12-440VAC), 2 C/O, 22.5mm wide	$259.25
G2CU400V10AL10**	Power Factor Monitoring Relay (cos Ø), 1 & 3 Phase, 0.5 - 10A Functions: Underload Monitoring, Fault Latch, Detection of No-Load, Suitable for VFI, TR2 Power Module (12-440VAC), 2 C/O, 22.5mm wide	$250.83

** Please Note that a TR3 or TR2 Voltage Module needs to be selected for models with ** and is fitted before dispatch. The List Price above includes the TR3 or TR2 Module. All TR3 and TR2 Voltage Modules are listed in the Accessories Section.

RUN HOUR METERS & ACCESSORIES

Automation Components

RUN HOUR METERS

TGB70.18

TBG70.18 (12-48)	Run Hour Meter with Operation Indicator, 12-48VDC supply, 17.5mm wide	$126.76
TBW70.18 (230VAC)	Run Hour Meter with Operation Indicator, 240VAC supply, 17.5mm wide	$87.41
TBG70.29 (12-48VDC)	Run Hour Meter with Operation Indicator, 12-48VDC supply, 35mm wide	$126.26
TBG30.18	Run Hour Meter with Operation Indicator, 12-48VDC supply, Panel Mount	$126.76

ACCESSORIES

TR2-230VAC

TR3-400VAC

R2 & R20

ES12

TR2-24VAC	GAMMA Series Power Supply Module - 24VAC	$19.94
TR2-110VAC	GAMMA Series Power Supply Module - 110VAC	$19.94
TR2-230VAC	GAMMA Series Power Supply Module - 230VAC	$19.94
TR2-400VAC	GAMMA Series Power Supply Module - 400VAC	$19.94
TR2-440VAC	GAMMA Series Power Supply Module - 440VAC	$19.94
TR3-24VAC	GAMMA Series Power Supply Module - 24VAC	$32.70
TR3 400VAC	GAMMA Series Power Supply Module - 400VAC	$32.70
TR3-440V AC	GAMMA Series Power Supply Module - 440VAC	$32.70
IPS22.5	GAMMA Series Clear Protection Cover (for tamper-proofing)	$2.61
R2	Remote Potentiometer - 1MΩ - Panel Mounted, 22.5mm - IP64	$52.21
R20	Remote Potentiometer - 10kΩ - Panel Mounted, 22.5mm - IP64	$52.21
ES9	8 Pin Relay Base suitable for the COM3T Timer Module and Octal Relay	$14.20
R11X	11 Pin Relay Base suitable for Octal Relays	$10.32
ES12	11 Pin Relay Base suitable for the COM3T Timer Module and Octal Relay	$14.20

PASSIVE HARMONIC FILTER

Block manufacture a large range of Passive Harmonic Filters. The HFM-FB series offers up to 5% THD-I and the open frame HF1K range offers 8% THD-I.

Passive Harmonic Filters have the following advantages:

1. They are a proven technology developed and perfected many years ago
2. They are extremely stable when overloaded or subjected to short circuit fault currents and over voltages.
3. They eliminate all harmonics over a specific frequency rather than shifting low order harmonics to high order harmonics
4. They are very cost effective.

Contact us for further information

HFE 104 EMC - LINE FILTERS

HFE 104-230/3	Single Phase 230V Line Filter suitable for electronic loads - 3 Amps	$147.31
HFE 104-230/10	Single Phase 230V Line Filter suitable for electronic loads - 10 Amps	$153.30
HFE 104-230/20	Single Phase 230V Line Filter suitable for electronic loads - 20 Amps	$241.90

HFE 165 EMC - LINE FILTERS

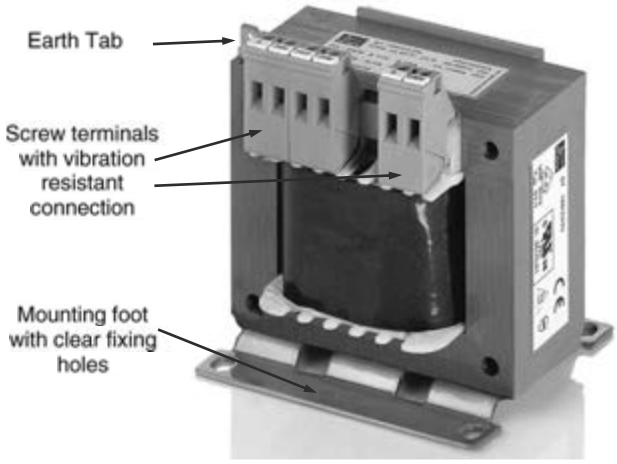
HFE 156-230/10	Single Phase 230V Line Filter suitable for electronic loads - 10 Amps	$244.21
HFE 156-230/16	Single Phase 230V Line Filter suitable for electronic loads - 16 Amps	$348.22

HFE 110 EMC - LINE FILTERS

HLE 110-230/20	Single Phase 230V Line Filter suitable for electronic loads - 20 Amps	$544.78
HLE 110-230/25	Single Phase 230V Line Filter suitable for electronic loads - 25 Amps	$603.14
HLE 110-230/30	Single Phase 230V Line Filter suitable for electronic loads - 30 Amps	$673.81
HLE 110-230/42	Single Phase 230V Line Filter suitable for electronic loads - 42 Amps	$823.52

ST TRANSFORMERS

TECHNICAL INFORMATION



ST TRANSFORMERS

Control & Safety Isolating Transformer Series.

Benefits:
Transformer with low inrush current. Primary Side ±5 % tappings for voltage adjustment.
Very good corrosion protection and low noise thanks to BLOCKIMPEX vacuum impregnation.

Applications:
Control transformer for electrical isolation of the input and output connections.
Safety Isolating Transformer for the safe electrical isolation of the input and output connections.

ST TRANSFORMERS - 230VAC/24VAC

ST20/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	20VA	$81.42
ST63/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	63VA	$96.72
ST100/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	100VA	$118.43
ST160/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	160VA	$155.88
ST250/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	250VA	$189.97
ST320/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	320VA	$229.08
ST400/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	400VA	$258.56
ST500/23/24	Control/Isolating Transformer	230VAC Input	24VAC Output	500VA	$303.51

ST TRANSFORMERS - 230VAC/12VAC

ST20/23/12	Control/Isolating Transformer	230VAC Input	12VAC Output	20VA	$81.42

ST TRANSFORMERS - 400VAC Input - 230VAC or 24VAC Output

ST63/4/24	Control/Isolating Transformer	400VAC Input	24VAC Output	63VA	$96.72
ST20/4/24	Control/Isolating Transformer	400VAC Input	24VAC Output	20VA	$81.42

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Order Code in Light: Subject to Availability
Discount Code: TXF

ST TRANSFORMERS - 400VAC/230VAC

ST63/4/23	Control/Isolating Transformer	400VAC Input	230VAC Output	63VA	$96.72
ST100/4/23	Control/Isolating Transformer	400VAC Input	230VAC Output	100VA	$118.43
ST160/4/23	Control/Isolating Transformer	400VAC Input	230VAC Output	160VA	$155.88
ST250/4/23	Control/Isolating Transformer	400VAC Input	230VAC Output	250VA	$189.97

ST TRANSFORMERS - 110VAC/24VAC

ST63/11/24	Control/Isolating Transformer	110VAC Input	24VAC Output	63VA	$96.72
ST100/11/24	Control/Isolating Transformer	110VAC Input	24VAC Output	100VA	$118.43

DIN RAIL MOUNTING BASE FOR ST TRANSFORMERS

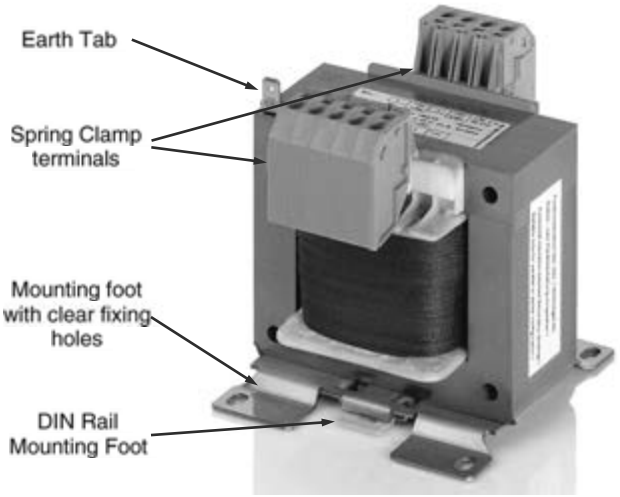
UB84/43.5

UB66/23	DIN Rail Mounting Base for Block ST20/23/24	$12.26
UB78/27.5	DIN Rail Mounting Base for Block ST63/23/24	$15.33
UB84/43.5	DIN Rail Mounting Base for Block ST100/23/24	$18.39
UB96/45.7	DIN Rail Mounting Base for Block ST160/23/25	$21.45
UB96/59.7	DIN Rail Mounting Base for Block ST250/23/24	$21.45

Rigid Aluminium Profile with Integrated Steel Spring for easy mounting of ST Transformers Spring - Spring to be facing downwards when fitted.

STEU TRANSFORMERS

TECHNICAL INFORMATION



STEU TRANSFORMERS

Control & Safety Isolating Transformer Series.

Benefits:
Dual Input Voltages of 230 or 400VAC. Transformer with low inrush current. Primary Side ±15V tapings for voltage adjustment. Very good corrosion protection and low noise thanks to BLOCKIMPEX vacuum impregnation. Spring Clamp Terminals and integrated Din Rail Mounting Foot for sizes up to 250VA.

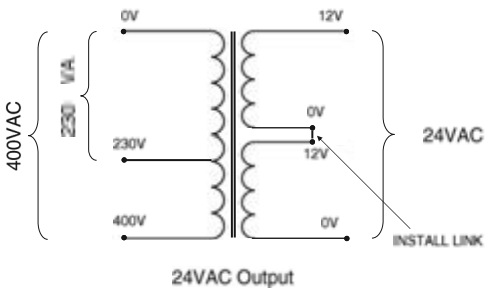
Applications:
Control Transformer & Safety Isolating Transformer for the safe electrical isolation of the input and output connections.

STEU TRANSFORMERS - 400/230VAC-2x12/24VAC

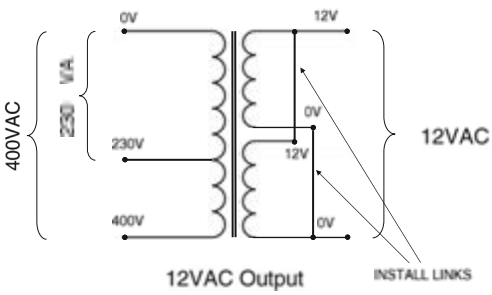
STEU20/24*	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	20VA	$104.48
STEU63/24*	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	63VA	$116.06
STEU100/24*	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	100VA	$142.12
STEU160/24*	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	160VA	$187.06
STEU250/24*	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	250VA	$227.97
STEU320/24	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	320VA	$293.15
STEU400/24	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	400VA	$336.16
STEU500/24	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	500VA	$379.40
STEU630/24	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	630VA	$467.56
STEU800/24	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	800VA	$544.56
STEU1000/24	Control/Isolating Transformer	400/230VAC Input	2x12/24VAC Output	1000VA	$674.30

*** Transformer supplied with integrated DIN Rail Mounting Foot**

STEU TRANSFORMER CONNECTION GUIDE



24VAC Output



12VAC Output

Voltage adjustment possible:

To lower output voltage connect the supply to +15V and 230V (or 400V) and to raise the output voltage connect the supply to –15V and 230V (or 400V).

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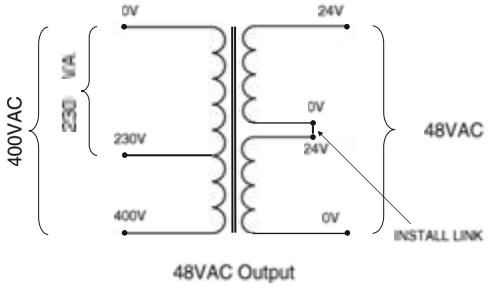
STEU TRANSFORMERS - 400/230VAC-2x24/48VAC

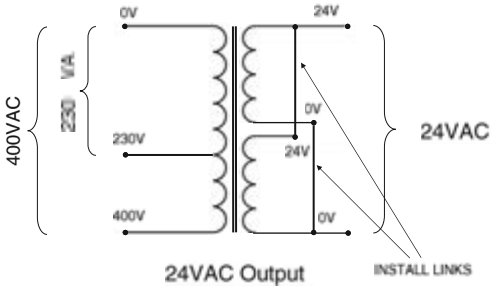
STEU100/48*	Control/Isolating Transformer	400/230VAC Input	2x24/48VAC Output	100VA	$142.12
STEU160/48*	Control/Isolating Transformer	400/230VAC Input	2x24/48VAC Output	160VA	$187.06
STEU250/48*	Control/Isolating Transformer	400/230VAC Input	2x24/48VAC Output	250VA	$227.97
STEU320/48	Control/Isolating Transformer	400/230VAC Input	2x24/48VAC Output	320VA	$293.15
STEU800/48	Control/Isolating Transformer	400/230VAC Input	2x24/48VAC Output	800VA	$544.56

*** Transformer supplied with integrated DIN Rail Mounting Foot**

STEU TRANSFORMER CONNECTION GUIDE



48VAC Output



24VAC Output

Voltage adjustment possible:

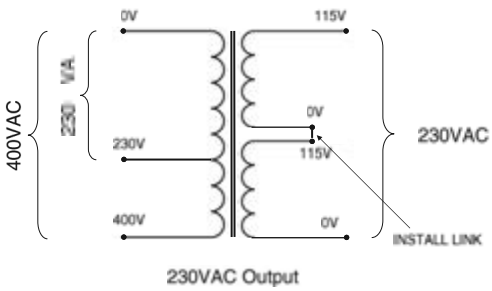
To lower output voltage connect the supply to +15V and 230V (or 400V) and to raise the output voltage connect the supply to –15V and 230V (or 400V).

STEU TRANSFORMERS - 400/230VAC-2x115/230VAC

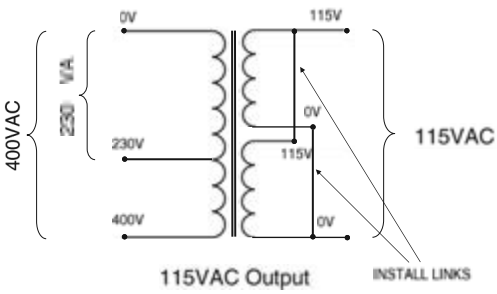
STEU20/23*	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	20VA	$104.48
STEU63/23*	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	63VA	$116.06
STEU100/23*	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	100VA	$142.12
STEU160/23*	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	160VA	$187.06
STEU250/23*	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	250VA	$227.97
STEU320/23	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	320VA	$293.15
STEU400/23	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	400VA	$336.27
STEU500/23	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	500VA	$379.40
STEU630/23	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	630VA	$467.56
STEU800/23	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	800VA	$544.56
STEU1000/23	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	1000VA	$674.30
STEU1600/23	Control/Isolating Transformer	400/230VAC Input	2x115/230VAC Output	1600VA	$1,031.52

*** Transformer supplied with integrated DIN Rail Mounting Foot**

STEU TRANSFORMER CONNECTION GUIDE



230VAC Output



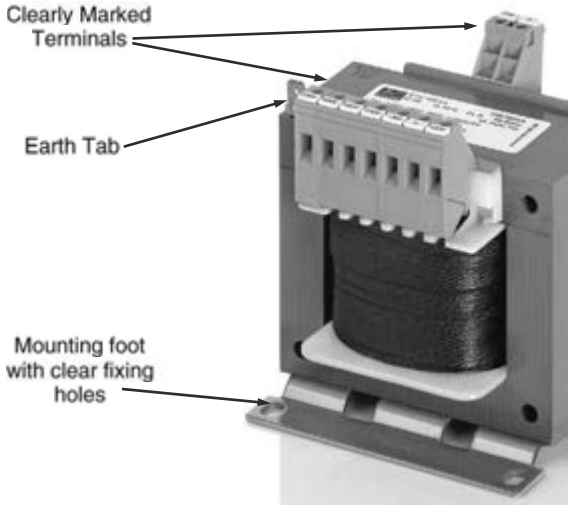
115VAC Output

Voltage adjustment possible:

To lower output voltage connect the supply to +15V and 230V (or 400V) and to raise the output voltage connect the supply to –15V and 230V (or 400V).

STU TRANSFORMERS

TECHNICAL INFORMATION



STU TRANSFORMERS

Control & Safety Isolating Transformer Series.

Benefits:
Multi Tap Input Voltages of 210 to 540VAC. Transformer with low inrush current. Primary Side ±20V tapings for voltage adjustment. Very good corrosion protection and low noise thanks to BLOCKIMPEX vacuum impregnation. Clearly Marked Screw Terminals and easy to access oval Mounting Holes for easy fixing.

Applications:
Control & Safety Isolating Transformer for the safe electrical isolation of the input and output connections.

STU TRANSFORMERS - 210-540VAC-2x12/24VAC

STU250/24	Transformer	210-540VAC	24VAC Output	250VA	$303.60
STU100/2X115	Transformer	210-540VAC	2x115/230VAC Output	100VA	$273.61
STU250/2X115	Transformer	210-540VAC	2x115/230VAC Output	250VA	$318.13

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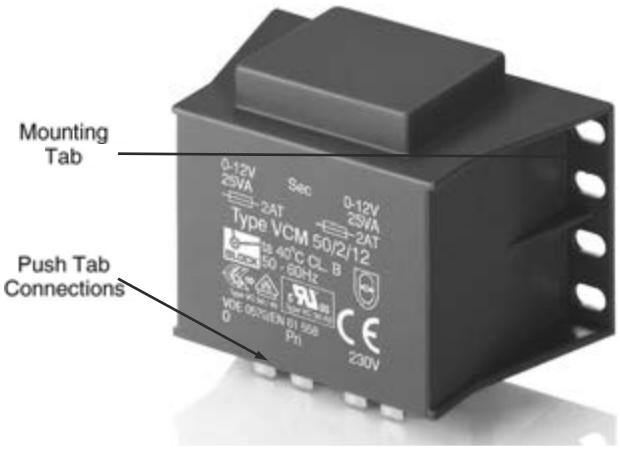
Order Code in Light: Subject to Availability
Discount Code: TXF

VCM TRANSFORMERS

TECHNICAL INFORMATION



VCM TRANSFORMERS

Control & Safety Isolating Transformer Series.

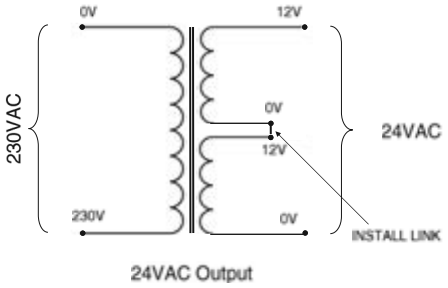
Benefits:
Permanent corrosion protection, high insulation value and maximum electrical reliability due to XtraDensiFill resin encapsulation. Self-extinguishing potting material. Mounting with tabs on the housing. Push on tab type connections with double output voltage for series or parallel connection. Very Compact Design.

Applications:
Control Transformer for electrical isolation of the input and output connections. Safety Isolating Transformer for the safe electrical isolation of the input and output connections.

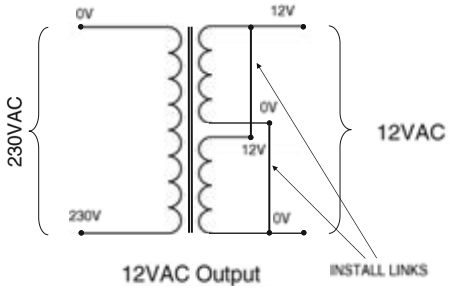
VCM TRANSFORMERS - 230VAC-2x12/24VAC

VCM25/2/12	Control/Isolating Transformer	230VAC Input	2x12/24VAC Output	25VA	$41.67
VCM50/2/12	Control/Isolating Transformer	230VAC Input	2x12/24VAC Output	50VA	$58.66

VCM TRANSFORMER CONNECTION GUIDE



24VAC Output



12VAC Output

TECHNICAL INFORMATION

POWERVISION Power Supplies

The Power Vision product line is the leading power supply system in the world in terms of its technical advantages.
All modules are slim, feature communication ports and boast the highest maximum power reserves for optimum system availability.

PVSE 230 DC POWER SUPPLIES

PVSE 230/12-6	PowerVision DC Power Supply	230VAC Input	12VDC/6Amp Output	$259.73
PVSE 230/12-10	PowerVision DC Power Supply	230VAC Input	12VDC/10Amp Output	$358.76
PVSE 230/24-5	PowerVision DC Power Supply	230VAC Input	24VDC/5Amp Output	$316.92
PVSE 230/24-10	PowerVision DC Power Supply	230VAC Input	24VDC/10Amp Output	$387.05
PVSE 230/24-20	PowerVision DC Power Supply	230VAC Input	24VDC/20Amp Output	$594.45

PVSE 400 DC POWER SUPPLIES

PVSE 400/24-10	PowerVision DC Power Supply	400VAC Input	24VDC/10Amp Output	$375.83
PVSE 400/24-20	PowerVision DC Power Supply	400VAC Input	24VDC/20Amp Output	$435.72
PVSE 400/24-40	PowerVision DC Power Supply	400VAC Input	24VDC/40Amp Output	$746.05

PVSB 400 DC POWER SUPPLIES

PVSB 400/24-10	Power Vision DC P/S with Display	400VAC Input	24VDC/10Amp Output	$477.78
PVSB 400/24-20	Power Vision DC P/S with Display	400VAC Input	24VDC/20Amp Output	$556.74

PVSL 400 DC POWER SUPPLIES

PVSL 400/24-20	Power Vision DC Power Supply with Display & Monitoring	400VAC Input	24VDC/10Amp Output	$878.43

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Order Code in Light: Subject to Availability
Discount Code: CP1

24VDC UPS TECHNICAL INFORMATION

AC/DC UPS

The PowerVision DC Power Supply range offers dedicated 24VDC UPS modules. Also on offer are Battery modules for Panasonic or Yuasa Batteries. Reliable Battery management is achieved through permanent data exchange between UPS & Battery module. In this way Battery life is extended and a reliable signal is given as soon as the Batteries need replacing.

24VDC UPS

PVUA 24/24-10	PowerVision 24Vdc UPS with Battery Management System 10 Amps	$479.59
PVUA 24/24-20	PowerVision 24Vdc UPS with Battery Management System 20 Amps	$573.69
PVAF 24/7AH-01	PowerVision Battery Cabinet suitable for 2 x Batteries (not supplied) - 7Ah	$269.25
PVAF 24/12AH-01	PowerVision Battery Cabinet suitable for 2 x Batteries (not supplied) - 12Ah	$350.02

CIRCUIT BREAKER MODULE - TECHNICAL INFORMATION

ELECTRONIC CIRCUIT BREAKER

The PowerVision DC Power Supply range offer an electronic Circuit Breaker This is a perfect solution where thermo magnetic circuit breakers cannot be reliably guaranteed. The Circuit Breaker module can also be remotely switched on.

CIRCUIT BREAKER MODULE

PVFE 24/24-40	PowerVision 4 Channel Electronic Circuit Breaker, 24VDC, 4x10Amp Outputs	$443.87

COMPACT DC POWER SUPPLIES

PEL 230/12-2	Compact DC P/S 230 VAC Input, 12 VDC/2Amp Output - 3 Modules wide	$146.90
PEL 230/24-1.3	Compact DC P/S 230 VAC Input, 24 VDC/1.3Amp Output - 3 Modules wide	$113.15
PEL 230/24-2.5	Compact DC P/S 230 VAC Input, 2.5Amp Output - 4 Modules wide	$125.05
PEL 230/24-4	Compact DC P/S 230 VAC Input, 4Amp Output - 5 Modules wide	$161.23

POWER VISION ACCESSORIES

PV-CON	PowerVision DC Power Supplies Plug in Connector	$19.64
PV-KOK 2	PowerVision DC Power Supplies Programming Lead	$81.35

DC POWER SUPPLIES

PSM The PSM range of DC Power Supplies incorporates one of the newest switch mode technologies. This gives the PSM range a very high efficiency and a much reduced no-load or stand-by power consumption. Perfect for applications in modern DIN Style switchboards due to their compact dimensions. Built by the specialist and expert in this field they offer long term reliability.

DC POWER SUPPLIES - 1 MODULE WIDE

Product Code	Input	Output	Power	Current	Price Each
PSM11012	230VAC +/- 10%	12VDC	10W	0.8A	$83.08
PSM11024	230VAC +/- 10%	24VDC	10W	0.4A	$83.08
PSM11212	110-240VAC	12VDC	12W	1A	$90.32
PSM11224	110-240VAC	24VDC	12W	0.5A	$90.32
PSM11512	110-240VAC	12VDC	15W	1.25A	$112.58
PSM11524	110-240VAC	24VCD	15W	0.63A	$112.58

DC POWER SUPPLIES - 2 MODULES WIDE

Product Code	Input	Output	Power	Current	Price Each
PSM21812	110-240VAC	12-14VDC	18W	1.5A	$110.35
PSM21824	110-240VAC	24-28VDC	18W	0.75A	$110.35
PSM22412	110-240VAC	12-14VDC	24W	2A	$111.72
PSM22424	110-240VAC	24-28VDC	24W	1A	$111.72

DC POWER SUPPLIES - 3 & 4 MODULES WIDE

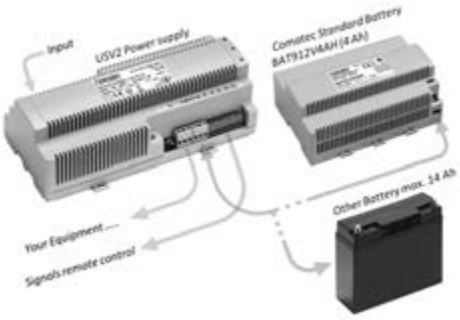
Product Code	Input	Output	Power	Current	Price Each
PSM33012	110-240VAC	12-14VDC	30W	2.5A	$130.50
PSM33024	110-240VAC	24-28VDC	30W	1.25A	$130.50
PSM43612	110-240VAC	12VDC	36W	3A	$140.46
PSM43624	110-240VAC	24VDC	36W	1.5A	$140.46
PSM44812M	230VAC +/-10%	12VDC	48W	4A	$145.18
PSM44824M	230VAC +/-10%	24VDC	48W	2A	$145.18
PSM46012M	230VAC +/-10%	12VDC	60W	5A	$152.42
PSM46024M	230VAC +/-10%	24VDC	60W	2.5A	$152.42
PSM47224	230VAC +/-10%	24VDC	72W	3A	$159.55
PSM49624	230VAC +/-10%	24VDC	96W	4A	$167.74

DC POWER SUPPLIES - IN FLUSH BOX DESIGN

Product Code	Input	Output	Power	Size	Price Each
OTS.05.05	230VAC	5VDC/1Amp	5W	Ø51 x 32mm	$69.02
OTS.09.09	230VAC	9VDC/1Amp	9W	Ø51 x 32mm	$67.03
OTS.06.12	230VAC	12VDC/0.5Amp	6W	Ø51 x 32mm	$57.17
OTS.06.24	230VAC	24VDC/0.25Amp	6W	Ø51 x 32mm	$59.37
OTS.12.12	230VAC	12VDC/1Amp	12W	Ø51 x 32mm	$67.03
OTS.12.24	230VAC	24VDC/0.5Amp	12W	Ø51 x 32mm	$67.03

AC/DC UPS

The USV2 range includes the AC/DC UPS and the "Lite" power supply with battery charger. USV2 have been particularly developed for the Home Automation Sector perfect for access control and security systems. These power supplies are also used in industries where there is a need for a secure and reliable power supply.
The USV2 range is supplied in modular DIN housings which makes for easy integration into electrical control panels. The entire range is suited for use with a lead-acid battery. The external battery is connected to the USV2t through terminals.



USV2 POWER SUPPLY WITH BATTERY CHARGER - AC/DC UPS "LITE"

Power Supply with Battery Charger supplying a constant 13.8VDC output. Input supply is 230VAC and Output is 13.8VDC/5Amp. Maximum capacity is 14Ah. "Lite" Model is 8 Modules wide and can be used with the BAT9/12V4AH Battery.

USV2L050012E8 - $198.41

USV2 AC/DC UPS WITH BATTERY MANAGEMENT

AC/DC UPS with built in Battery Management has an input of 100-240VAC and an output of either a 12.4VDC/2Amp or 24.8VDC/1Amp. Maximum capacity is 14Ah. Both units are 8 Modules wide and can be used with the BAT9/12V4AH Battery.

USV2020012E8 (12.4VDC/2Amp) - $248.82
USV2010024E8 (24.8VDC/1Amp) - $248.82

USV2 AC/DC UPS WITH BATTERY MANAGEMENT & MONITORING

AC/DC UPS with built in Battery Management has an input of 100-240VAC and an output of either 12.4VDC/5Amp or 24.8VDC/3Amp. Maximum capacity is 14Ah. Both models have remote monitoring contacts available. Both units are 12 Modules wide and can be used with the BAT9/12V4AH Battery.

USV2050012E12 (12.4VDC/5Amp) - $358.13
USV2030024E12 (24.8VDC/3Amp) - $358.13

BATTERY MODULE

The BAT9/12V4AH battery pack has been specifically developed for the USV2 range. The unit is 9 Modules wide and contains a 12V-4Ah lead acid battery.

BAT9/12V4AH - $187.67

SIMPLY SERIES DIGITAL TIME SWITCHES

SIMPLY SERIES TIME SWITCHES

As simple to set as a mechanical time switch. As accurate and versatile as a digital time switch. The best of both worlds in a very compact package.

SIMPLY-D	Daily Time Switch, 5yr Reserve, 230VAC, 16A 1C/O, two modules wide	$112.24
SIMPLY-W	Weekly Time Switch, 5yr Reserve, 230VAC, 16A 1C/O, two modules wide	$121.16

MEMO TIME SWITCHES

MEMO TIME SWITCHES

The MEMO range have a larger screen for easier programming and a rear cover for battery replacement. The Memo RC-2 IR interface allows for exchange of timing programs between the Memo Time Switches and the Memo RC-2 Remote Control (* except Memo-DW-E).

The Memo Time Switches have the following features: Selectable date format, automatic daylight saving changeover, lockable with a 4 number PIN, Manual ON/OFF override and Battery status display.

Functions include: ON/OFF, ON Pulse of 1-59 sec, OFF Pulse of 1-59 sec, cycle timing (on-

MEMO DIGITAL TIME SWITCHES

MEMO-DW

MEMO-RC2

MEMO-DW-E12*	12VAC/DC Daily/Weekly Time Switch, 3yr Reserve, 16A 1C/O	$163.64
MEMO-DW-E24*	24VAC/DC Daily/Weekly Time Switch, 3yr Reserve, 16A 1C/O	$163.64
MEMO-DW-E*	Daily/Weekly Time Switch, 3yr Reserve, 230VAC, 16A 1C/O	$116.55
MEMO-DW	Daily/Weekly Time Switch, 3yr Reserve, 230VAC,16A 1C/O	$142.52
MEMO-DW2	Daily/Weekly Time Switch, 3yr Reserve, 230VAC, 16A 2C/O	$147.15
MEMO-Y	Daily/Weekly/Yearly Time Switch, 3yr Reserve, 230VAC, 16A 1C/O	$263.75
MEMO-Y2	Daily/Weekly/Yearly Time Switch, 3yr Reserve, 230VAC, 16A 2C/O	$309.91
MEMO-RC2	Remote Control to Transmit/Receive/Store programs from Memo Time Switches	$147.19

MEMO TWILIGHT SWITCHES

MEMO-LUX

MEMO-AST1	Astronomical Time Switch, 230VAC, 16A 1C/O, 2 modules wide	$172.98
MEMO-LUX	Programmable Digital Twilight Switch, 16A 1C/O, 2 modules wide	$279.93

TIME SWITCHES - DIGITAL & MECHANICAL

TWILIGHT SWITCHES

VELUX	Wall Mounted Twilight Switch, 230VAC, 10A 1C/O, IP54	$61.37
VEREG	Wall Mounted adjustable Twilight Switch, 230VAC, 10A 1C/O, IP54	$135.01

LOGIK DIGITAL TIME SWITCHES

LOGIK MICRO	Daily/Weekly Time Switch, 3yr Reserve, 230VAC, 16A 1C/O, one module wide	$130.63
LOGIK Y4	Daily/Weekly/Yearly Time Switch, 5yr Reserve, 230VAC & 24VAC/DC, 16 Amp 4C/O, 4 modules wide	$368.79

NAPA MECHANICAL TIME SWITCHES

NAPA-ED	Daily Time Switch, no Reserve, 230VAC, 16A 1C/O, Rear-Panel/DIN Mounting	$117.49
NAPA-D	Daily Time Switch, 200hr Reserve, 230VAC, 16A 1C/O, Rear-Panel/DIN Mounting	$126.26
NAPA-W	Weekly Time Switch, 200hr Reserve, 230VAC, 16A 1C/O, Rear-Panel/DIN Mounting	$328.00

ELO MECHANICAL TIME SWITCHES

ELO-D	Daily Time Switch, 200hr Reserve, 230VAC, 16A 1C/O, one module wide	$94.70
ELO-W	Weekly Time Switch with 200hr Reserve, 230VAC, 16A 1C/O, one module wide	$148.17

DUET/ARVO MECHANICAL TIME SWITCHES

ARVO-D

DUET-D	Weekly Time Switch, 70hr Reserve, 230VAC, 16A 1C/O, two modules wide	$104.42
ARVO-D	Daily Time Switch, 72hr Reserve, 230VAC, 16A 1C/O, 2.5 modules wide	$126.26
ARVO-W	Weekly Time Switch, 72hr Reserve, 230VAC, 16 Amp Single Pole, 2.5 modules wide	$188.72

EV3M SERIES POWER ANALYSERS

EV3M POWER ANALYSERS

The EV3M range are TRMS Electronic Digital Measurement instruments with ultra bright LED displays. The EV3M series Power Analysers display the main electric measurements of 3 or 4 wire three-phase systems, shown on three LED displays with three digits.

The electric measurements are voltage, current, power, power factor, frequency and neutral current. Available in Panel Mounted or Din Rail Mounted versions.

EV3M-R	1~ & 3~ Phase LED Panel Mounted Power Analyser for 5A CT	$335.83
EV3M-D	1~ & 3~ Phase LED DIN Rail Mounted Power Analyser for 5A CT	$335.83

ADR SERIES POWER ANALYSERS

ADR POWER ANALYSERS

The ADR Series measure TRMS (true root-mean-square) values, select AT and VT values, provides current, voltage, phase-shift, active/reactive energy, and frequency values. A total of 57 parameters on 33 pages of a wide backlit display that is self-explanatory and easily scrolled by the use of just 4 keys.

The RS485 MODBUS output makes it possible to store data in chart form and display the quantities measured in graphic form via the ADR-View software.

ADR-D POWER ANALYSERS - DIN RAIL MOUNTED

ADR-D 400 D90

ADR-D230D22MODBUS	1~ Phase LCD Power Analyzer for 5A CT with RS-485 output	$355.40
ADR-D 230 D63	1~ Phase LCD Power Analyzer 63 A direct connection	$372.40
ADR-D-E*	1~ Phase & 3 ~ Phase LCD Power Analyser for 5A CT with RS-485 output	$510.86
ADR-D	1~ & 3~ Phase LCD Power Analyser for 5A CT with RS-485 output	$605.27
ADR-D OUT	1~ & 3~ Phase LCD Power Analyser for 5A CT with 2 programmable C/O	$778.90
ADR-D 400 D90	3~ Phase LCD Power Analyzer 90A direct connection with RS-485 output	$687.75
ADR-VIEW	Software and RS485/RS232 interface suitable for ADR Power Analysers	POA

ADR-R POWER ANALYSERS - PANEL MOUNTED

ADR-R-E*	1 ~ Phase & 3 ~ Phase LCD Power Analyser for 5A CT with RS-485 output	$510.86
ADR-R	1~ & 3~ Phase LCD Power Analyser for 5A CT with RS-485 output	$584.29
ADR-R OUT	1~ & 3~ Phase LCD Power Analyser for 5A CT with 2 programmable C/O	$711.48
ADR-VIEW	Software and RS485 interface suitable for ADR Power Analyser	POA
EVAD	ADR Adaptor Plate from 96x96mm to 72x72mm	$30.69

**** C.T. Secondarys must not be earthed***

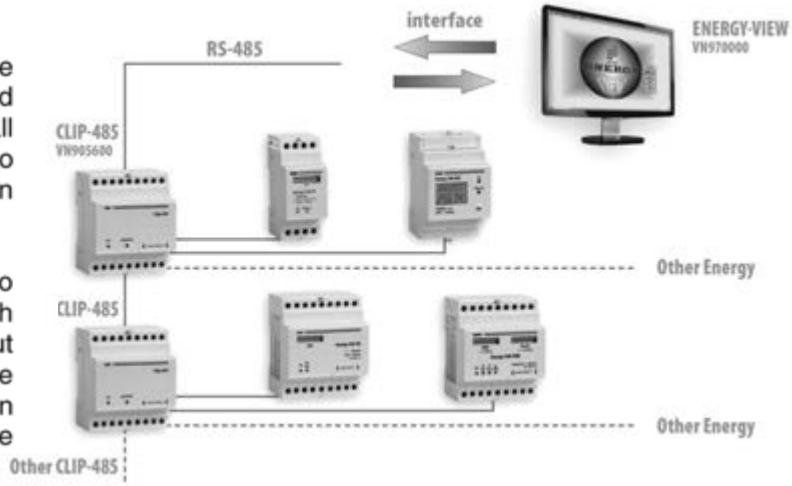
ENERGY METER SYSTEM

TECHNICAL INFORMATION

VEMER ENERGY METERS

Vemer have a complete range of both Analogue and Digital Energy Meters and all the necessary components to measure power consumption in complex and large 1~/3~ phase systems.

The CLIP-485 pulse receiver makes it possible to remotely monitor energy consumption. Each CLIP-485 can accept up to 8 Energy Meter output signals and further CLIP-485 devices can be connected together via MODBUS. Energy data can be displayed with the ENERGY-VIEW software from Vemer.



SINGLE PHASE ENERGY METERS

Energy-230 D63A

Energy-230-Micro	Single Phase Meter, 22.5 Amp input, with pulse output, 1 module wide	$145.50
Energy-230-LC	Single Phase Meter, 22.5 Amp input, 2 modules wide	$131.82
Energy-230-M	Single Phase Meter, 25 Amp input, with pulse output, 2 modules wide	$142.05
Energy-230-TAi	Single Phase Meter, CT input, with pulse output, 4 modules wide	$246.01
Energy-230-D63A	LCD Single Phase Direct Meter, 63 Amp, with pulse output, 3 modules wide	$234.78

THREE PHASE ENERGY METERS

Energy-400 PWR

CLIP-485

Energy-400 PWR*	Three Phase Meter, CT input, with pulse output, 4 modules wide	$355.73
Energy-400 PWRi	Three Phase Meter, CT input, with pulse output, 4 modules wide	$570.12
Energy-400D PWR*	LCD Three Phase Meter, CT input, with pulse output, 4 modules wide	$355.73
Energy-400D PWRi	LCD Three Phase Meter, CT input, with pulse output, 4 modules wide	$570.12
Energy-400R PWRi	Three Phase Meter, CT input, with pulse output, panel mounted	$922.73
Energy-400 D90A	LCD Three Phase Direct Meter, 100 Amp, with pulse output, 7 modules wide	$355.73
CLIP-485	Remote Pulse Receiver for up to 8 Energy Series Meters with RS485 output	$706.25
ENERGY-VIEW	Software and RS485/RS232 interface suitable for Energy Series Meters	POA

**** C.T. Secondarys must not be earthed***

EV SERIES METERS

EV SERIES METERS

Digital Meters in a modular 2 module DIN rail mounted or panel mounted format to measure AC (or DC) Voltage or Current. The EVM series can be direct connected as a voltmeter or as an Ammeter via a CT xx/5A connection. Display is configurable and the ratio is adjusted via dip switches. CT ratios are: 5, 10, 15, 20, 25, 40, 50, 60, 100, 150, 200, 250, 400, 500, 600, 800, 1000, 1500, 2000, 2500, 4000.

EVM-2DIN	Multifunction AC Volt/Ammeter, 600VAC, 5 to 4000A, DIN Rail Mounted	$200.63
EVM-R	Multifunction AC Volt/Ammeter, 600VAC, 5 to 4000A, Panel Mounted	$203.78
EVA-R(10A-AC)	Digital 10 Amp AC Ammeter, Panel Mounted	$188.61
EVV-R-600VDC	Digital Voltmeter, 600VDC, Panel Mounted	$229.12
EVV2DIN100VAC	Digital Voltmeter, 100VAC, DIN rail mounted	$192.81

MULTIFUNCTION AC VOLT/AMMETER WITH RELAY - TECHNICAL INFORMATION

EVR-D MULTIFUNCTION METER WITH RELAY

Digital Multimeter in a modular 4 module DIN rail mounted or panel mounted format to measure AC Voltage or Current with Relay Output. The EVR-D device can be direct connected as a Voltmeter up to 600 V AC or Ammeter via a xx/5A CT with a configurable display. Display ratio adjusted via dip switches. Ratios are from 5 to 4000 Amps. The output may be activated when the measurement is higher/lower than a threshold which can be set.

EVR-D	Multifunction AC Volt/Ammeter, 600VAC, 5 to 4000A with Relay	$259.02

HMS SERIES RUN HOUR METERS

HMS-024	Panel mounting Run Hour Meter, 24VAC, 55x55 mm	$60.71
HMS-230	Panel mounting Run Hour Meter, 230VAC, 55x55 mm	$60.71
HMS-400	Panel mounting Run Hour Meter, 400VAC, 55x55 mm	$60.71
HMS-1080	Panel mounting Run Hour Meter, 10-80VDC, 55x55 mm	$115.20

HMC SERIES RUN HOUR METERS - IP65

HMC-024	Panel mounting Run Hour Meter, 24VAC, 58 mm Diameter (51mm hole)	$65.12
HMC-230	Panel mounting Run Hour Meter, 230VAC, 58 mm Diameter (51mm hole)	$65.12
HMC-1080	Panel mounting Run Hour Meter, 10-80VDC, 58 mm Diameter (51mm hole) 5	$152.57
KAS	Anti-vibration Kit for HMC Series	$14.81

HMD SERIES RUN HOUR METERS

HMD-024	DIN Rail Mounted Run Hour Meter, 24 VAC, 2 Modules Wide	$103.01
HMD-230	DIN Rail Mounted Run Hour Meter, 230 VAC, 2 Modules Wide	$106.10
HMD-1236	DIN Rail Mounted Run Hour Meter, 12-36 VAC, 2 Modules Wide	$126.82

CURRENT TRANSFORMERS WITH DIN RAIL CLIP

TU20 50:5

TU40 600:5

TUC60 1200:5

TUC80 2500:5

TU20 50:5	Current Transformer 50:5 Amp - 20x5mm Bar - 16mm Diameter Size	$53.54
TU20 75:5	Current Transformer 75:5 Amp - 20x5mm Bar - 16mm Diameter Size	$53.54
TU20 100:5	Current Transformer 100:5 Amp - 20x5mm Bar - 16mm Diameter Size	$53.54
TU20 125:5	Current Transformer 125:5 Amp - 20x5mm Bar - 16mm Diameter Size	$53.54
TU30 150:5	Current Transformer 150:5 Amp - 30x10mm Bar - 22mm Diameter Size	$73.22
TU30 200:5	Current Transformer 200:5 Amp - 30x10mm Bar - 22mm Diameter Size	$73.22
TU30 250:5	Current Transformer 250:5 Amp - 30x10mm Bar - 22mm Diameter Size	$73.22
TU40 100:5	Current Transformer 100:5 Amp - 30x10mm Bar - 22mm Diameter Size	$77.76
TU40 125:5	Current Transformer 125:5 Amp - 40x10mm Bar - 30mm Diameter Size	$77.76
TU40 150:5	Current Transformer 150:5 Amp - 40x10mm Bar - 30mm Diameter Size	$83.20
TU40 200:5	Current Transformer 200:5 Amp - 40x10mm Bar - 30mm Diameter Size	$86.80
TU40 250:5	Current Transformer 250:5 Amp - 40x10mm Bar - 30mm Diameter Size	$86.80
TU40 300:5	Current Transformer 300:5 Amp - 40x10mm Bar - 30mm Diameter Size	$97.64
TU40 400:5	Current Transformer 400:5 Amp - 40x10mm Bar - 30mm Diameter Size	$97.64
TU40 500:5	Current Transformer 500:5 Amp - 40x10mm Bar - 30mm Diameter Size	$108.12
TU40 600:5	Current Transformer 600:5 Amp - 40x10mm Bar - 30mm Diameter Size	$108.12
TU40 800:5	Current Transformer 800:5 Amp - 40x10mm Bar - 30mm Diameter Size	$132.53
TUC 60 600:5	Current Transformer 600:5 Amp - 60x10mm Bar - 51mm Diameter Size	$138.21
TUC 60 800:5	Current Transformer 800:5 Amp - 60x10mm Bar - 51mm Diameter Size	$145.55
TUC 60 1000:5	Current Transformer 1000:5 Amp - 60x10mm Bar - 51mm Diameter Size	$150.79
TUC 60 1200:5	Current Transformer 1200:5 Amp - 60x10mm Bar - 51mm Diameter Size	$163.92
TUC 60 1500:5	Current Transformer 1500:5 Amp - 60x10mm Bar - 51mm Diameter Size	$163.92
TUC 60 2000:5	Current Transformer 2000:5 Amp - 60x10mm Bar - 51mm Diameter Size	$212.73
TUC 80 800:5	Current Transformer 800:5 Amp - 80x30mm Bar - 65mm Diameter Size	$162.12
TUC 80 1000:5	Current Transformer 1000:5 Amp - 80x30mm Bar - 65mm Diameter Size	$185.10
TUC 80 1200:5	Current Transformer 1200:5 Amp - 80x30mm Bar - 65mm Diameter Size	$185.10
TUC 80 1500:5	Current Transformer 1500:5 Amp - 80x30mm Bar - 65mm Diameter Size	$208.52
TUC 80 2000:5	Current Transformer 2000:5 Amp - 80x30mm Bar - 65mm Diameter Size	$208.52
TUC 80 2500:5	Current Transformer 2500:5 Amp - 80x30mm Bar - 65mm Diameter Size	$308.14

CURRENT SHUNTS - 60mV

VJ 3674 2222	Current Shunt 20 Amp	$118.33
VJ 3674 2322	Current Shunt 25 Amp	$118.33
VJ 3674 2622	Current Shunt 50 Amp	$118.33
VJ 3674 2722	Current Shunt 60 Amp	$118.33
VJ 3674 2822	Current Shunt 80 Amp	$118.33
VJ 3674 2922	Current Shunt 100 Amp	$118.33
VJ 3674 3122	Current Shunt 150 Amp	$118.33

PULSE COUNTERS

EC5-024	Panel mounting 5 digit zeroing Pulse Counter 24 VAC, 48x24 mm	$147.98
EC5-230	Panel mounting 5 digit zeroing Pulse Counter 230 VAC, 48x24 mm	$147.98

TECHNICAL INFORMATION

VEMER INSULATORS

Insulators designed to be used as supports or spacers of electrical busbars in switchboard construction.

Made of glass fibre reinforced polyester resin they guarantee a high mechanical and electrical resistance. Both the top and bottom of the insulators have a brass or white iron zincate threaded female insert. Material is self-extinguishing V0(1.6 mm) according to UL-94 standard, Arc resistance is >180 s - ASTM D-495, Operating temperature is -40°C to +130 °C.

HEX STYLE INSULATORS

SA515400	Insulated Stud - 20mm high - M5 - Hex	$2.06
SA519600	Insulated Stud - 25.5mm high - M5 - Hex	$2.12
SA520400	Insulated Stud - 25.5mm high - M6 - Hex	$2.22
SA525300	Insulated Stud - 35mm high - M6 - Hex	$4.05
SA522000	Insulated Stud - 30mm high - M8 - Hex	$5.04
SA527900	Insulated Stud - 35mm high - M8 - Hex	$5.43
SA544400	Insulated Stud - 50mm high - M8 - Hex	$7.32
SA528700	Insulated Stud - 35mm high - M10 - Hex	$5.35
SA545100	Insulated Stud - 50mm high - M10 - Hex	$7.62
SA553500	Insulated Stud - 60mm high - M10 - Hex	$10.47
SA565900	Insulated Stud - 75mm high - M10 - Hex	$18.59
SA535200	Insulated Stud - 40mm high - M12 - Hex	$6.90
SA548500	Insulated Stud - 30mm high - M12 - Hex	$12.40
SA560000	Insulated Stud - 65mm high - M12 - Hex	$18.02

TEMPERATURE CONTROLLERS - PANEL MOUNTED (75x33mm)

TM NiPt-P3D

TM-NiPt-P3D	LED Temperature Display for PT100/Ni100 probes, 12-24VAC/DC	$148.96
HT-NiPt-1P3D	LED Temperature Controller for PT100/Ni100 probes, 12-24VAC/DC, 1C/O	$193.96
HT-NiPt-1P3A	LED Temperature Controller for PT100/Ni100 probes, 230VAC, 1C/O	$234.03
HT-NTC-1P3D	LED Temperature Controller for NTC probes, 12-24VAC/DC, 1C/O	$193.96
HT-NTC-1P3A	LED Temperature Controller for NTC probes, 230VAC, 1C/O	$234.03
HT-JK-1P3D	LED Temperature Controller for Thermocouple probes, 12-24VAC/DC, 1C/O	$203.61

TEMPERATURE CONTROLLERS - DIN MOUNTED - 4 MODULES WIDE

HT-NiPt-1DA	LED Temperature Controller for Pt100 & Ni100 probes, 24&240VAC, 1C/O	$258.89
HT-NTC-1DA	LED Temperature Controller for NTC probes, 24&240VAC, 1C/O	$199.78
HT-JK-1DA	LED Temperature Controller for Thermocouple probes, 24&240VAC, 1C/O	$310.17

TEMPERATURE CONTROLLERS WITH ANALOG/RS485 OUTPUT

FHT-1P3D	LED Temperature Controller, PT100, Ni100, Thermocouple probes, 12-24VAC/DC, Outputs: RS485, 0-10V, 4-20mA, 1C/O	$387.71
FHT-1DA	LED Temperature Controller, PT100, Ni100 & Thermocouple probes, 24VAC & 240VAC, Outputs: RS485, 0-10V, 4-20mA, 1C/O	$353.09

REFRIGERATION CONTROLLERS

FR-NTC-1P3D	LED Refrigeration Controller for NTC probes, 12-24VAC/DC,1C/O	$204.97
FR-NTC-4P3D	LED Refrigeration Controller for FCU Regulation, 12-24VAC/DC, 4C/O	$381.52

TEMPERATURE PROBES

PT100/EC	PT100 Temperature Probe - 50°C to 110°C - IP68 - 1.5 meter	$29.37
PT100/3MT	PT100 Temperature Probe 0°C to 400°C - 3m tinned copper braided sleeve	$100.49
PT100/10MT	PT100 Temperature Probe 0°C to 400°C - 10m tinned copper braided sleeve	$202.88
PT1000	PT1000 Temperature Probe - 40°C - 200°C - 3m	$121.63
Ni100	Ni100 Temperature Probe - 50°C to 105°C - 3m	$62.00
NTC/C	NTC Temperature Probe - 50°C to 120°C - 1.5m - IP67	$20.88
NTC-BC	NTC Temperture Probe (Pipe Clamp Type) - 50°C to 120°C - 1.5m - IP67	$20.88
NTC/3MT	NTC Temperature Probe - 40°C to 110°C - 3m - IP67	$31.05

PRESSURE CONTROLLERS & PROBES

PR-1P7A	LED Pressure Regulator, 24 & 240VAC, 1C/O	$558.28
SPK-10	Pressure Probe - 0.5 to 7 bar, IP65, Output 4-20mA, 1/4" SAE (male) fitting	$564.36
SPK-30	Pressure Probe - 0 to 30 bar, IP65, Output 4-20mA, 1/4" SAE (male) fitting	$564.36

MOVEMENT DETECTORS/THERMOSTATS

WALL MOUNTED MOVEMENT DETECTORS

Sensor-140	140°/8 meter PIR Movement Detector, 1C/O 230VAC	$63.04
Sensor-200	200°/8 meter PIR Movement Detector, 1 C/O 230VAC	$65.82

ELECTROMAGNETIC MOVEMENT DETECTOR

Sensor-HF	270°/6 meter Flush Box type High Frequency Movement Detector, 1C/O	$205.71

CEILING MOUNTED MOVEMENT DETECTORS

Sensor-360	360°/7 meter PIR Movement Detector, 1 C/O 230VAC	$143.61
Sensor-T	360°/6 meter PIR Movement Detector, 1C/O 230VAC	$136.68
Sensor-2T	360°/6 meter PIR Movement Detector, 2C/O 230VAC	$153.47

THALOS THERMOSTATS

Thalos-Bianco	Wall/Flush Box mounted White Thermostat with LCD Touch Screen, battery supply	$196.88
Thalos-230-Bianco	Wall/Flush Box mounted White Thermostat with LCD Touch Screen and colour changing feature, 230V supply	$196.88

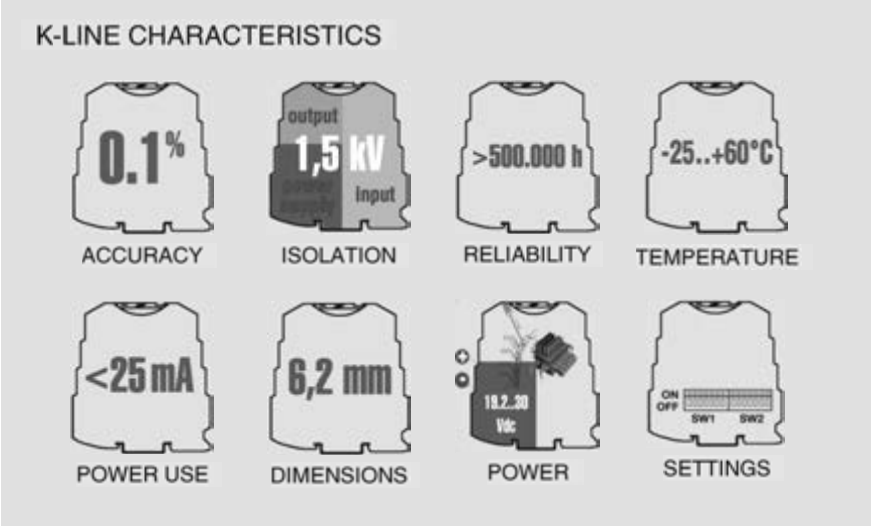
MITHOS THERMOSTATS

Mithos-Bianco	Wall Mounted White Thermostat, Fully Programmable, Battery Supply	$302.48
X.Temp	NTC External Probe - 2 meters long, IP66	$48.25

LIQUID LEVEL PROBES

ES	Stainless Steel Electrode including Nylon holder and Ballast	$44.66

TECHNICAL INFORMATION



K LINE SIGNAL ISOLATORS / CONVERTERS

K109PT

K109UI

K-BUS

K109PT	Pt100 to DC Current Isolator/Converter	$368.82
K120RTD	Pt100/Ni100 to DC Current Converter (loop powered)	$263.45
K109TC	Thermocouple to DC Current Isolator/Converter (with trip alarm control)	$368.82
K109UI	DC Current / Voltage Isolator/Converter	$368.82
K109S	DC Current / Voltage Isolator/Converter (with power transducers)	$368.82
K109LV	DC Low Voltage (Shunt) to DC Current/Voltage Isolator/Converter	$358.76
K107A	Serial Isolator/Converter - RS485/RS485 Repeater	$368.82
K107B	Serial Isolator/Converter - RS232/RS485 Converter with mini USB Cable	$368.82
K107USB	Serial Isolator/Converter - USB/RS485 Converter	$368.82
K121	Universal Isolator/Converter - RTD,TC,Ohm,mA,V to 4/20mA (loop powered)	$242.32
S107USB	Portable USB/RS485 Converter	$421.51
K-BUS	Backplane Connector	$29.51
K-SUPPLY	Power Supply and Electronic protection system	$140.15
S117P-1	Configuration Kit for series K & series T including USB/RS232/TTL Connections	$329.34
Easy-USB	Configuration communication converter for USB to K devices	$329.34

TECHNICAL INFORMATION

Z-LINE CHARACTERISTICS

CONNECTIONS ISOLATION WIDE RANGE TRANSDUCERS

Z Line series offers a full range of signal conditioners including Signal Converters, Transmitters, Galvanic Isolators, Splitters, Trip Amplifiers and Math's Modules. They are easy to use, simple to install and have a universal (AC/DC) voltage supply. Other features are Din rail mounting, 3 way galvanic isolation, compact housing (17.5 mm wide), plug in terminals, easy dipswitch and/or PC setup.

Z LINE SIGNAL ISOLATORS / CONVERTERS

Z109REG2

Z170

Z109REG2	Universal Isolator / Converter with special functions	$565.41
Z109UI2	Isolator / Converter - voltage/current to current/voltage	$565.41
Z110S	Loop Powered Current Isolator for 4..20 mA loop - 1 Channel	$343.48
Z110D	Loop Powered Current Isolator for 4..20 mA loop - 2 Channel	$490.70
Z102	Potentiometer Isolator / Converter	$258.17
Z201	Current Isolator / Converter - 5/10 Amps AC to voltage/current	$367.07
Z201-1A	Current Isolator / Converter - 1 Amp AC to voltage/current	$367.07
Z202	Voltage Isolator / Converter - 500 AC to voltage/current	$442.58
Z109PT	RTD Isolator / Converter	$343.56
Z109TC	Thermocouple Isolator / Converter	$420.45
Z104	Isolator / Converter - voltage/current to frequency	$442.58
Z111	Isolator / Converter - frequency to voltage/current	$553.23
Z170REG	Signal Duplicator	$480.97
Z113S	Alarm Threshold Relay - 1 Relay	$331.94
Z113D	Alarm Threshold Relay - 2 Relays	$405.70
Z113T	Alarm Threshold Relay - 3 Relays	$442.58

CURRENT TRANSDUCER

T201

T201	Loop Powered AC Current Transducer 5-40 Amps - 4/20 mA (with DIN Rail Clip)	$225.10
T201DC	Loop Powered DC Current Transducer 5-40 Amps - 4/20 mA (with DIN Rail Clip)	$346.33
T201DCH	AC/DC Current Transducer 50 Amps - 0-10V (with DIN Rail Clip)	$422.33
T201DC100	Loop Powered DC Current Transducer 100 Amps - 4/20 mA (with DIN Rail Clip)	$223.86

TEMPERATURE TRANSMITTER/TRANSDUCER

T120	2 Wire Pt100/Ni100 Temperature Transmitter - Loop Powered	$158.06
T121	2 Wire Universal Isolated Temperature Transducer - Loop Powered	$275.31

TECHNICAL INFORMATION

OPERATING VIEW MODE
In view mode the indicator displays the values of the quantities defined on the display list; it may view 1, 2 or 3 data for screen.

S401 OLED DISPLAY

The S401 is the new standard for indication with OLED display. Why use an expensive HMI when the S401 will perform many of the same functions for a lower cost.

The S401 has a very bright display of 70 cd/m2 with a very high 128 x 64 pixel definition. The display also has a space saving design with dimensions of 96x48mm. It displays up to 30 measurements (float, integer, Boolean) and programming is possible via software or front key menu. Another advantage is reduced cabling with two RS485 MODBUS interfaces.

S401 DISPLAY

S401-L	MODBUS RTU Display with 2.7" OLED Display, 10-40VDC, 19-28VAC, Master/Slave Includes: 27 math functions, 20 readings from slave devices, 10 writings to slave devices, alarm control on threshold	$662.97

BASIC DISPLAYS

S315 Display

S315	4 Digit Loop-powered Display, 4-20mA Input, IP65	$254.43
S311AK-4-L	4 Digit Display, voltage/current Input, IP65	$290.78

COMPLETE DISPLAY SOLUTIONS

S311A-4-H

S311A-6-H-O

S311D-4-H

S311A-4-H	Indicator/Totalizer with Universal Analog Input, 80-265 VAC, 4 Digit	$453.87
S311A-4-H-O	Indicator/Totalizer with Universal Analog Input, 80-265 VAC, 4 Digit, Optional Card	$609.68
S311A-6-H	Indicator/Totalizer with Universal Analog Input, 80-265 VAC, 6 Digit	$514.84
S311A-11-H	Indicator/Totalizer with Universal Analog Input, 80-265 VAC, 11 Digit	$846.78
S311A-4-L	Indicator/Totalizer with Universal Analog Input, 10-40VDC / 19-28VAC, 4 Digit	$467.42
S311A-4-L-O	Indicator/Totalizer with Universal Analog Input, 10-40VDC / 19-28VAC, 4 Digit, Opt. Card	$609.68
S311A-6-L	Indicator/Totalizer with Universal Analog Input, 10-40VDC / 19-28VAC, 6 Digit	$508.07
S311A-11-L	Indicator/Totalizer with Universal Analog Input, 10-40VDC / 19-28VAC, 11 Digit	$846.78
S311D-4-H	Indicator/Totalizer with Universal Digital Input, 80-265 VAC, 4 Digit	$423.39
S311D-4-H-O	Indicator/Totalizer with Universal Digital Input, 80-265 VAC, 4 Digit, Optional Card	$602.91
S311D-4-L	Indicator/Totalizer with Universal Digital Input, 10-40VDC / 19-28VAC, 4 Digit	$423.39
S311D-4-L-O	Indicator/Totalizer with Universal Digital Input, 10-40VDC / 19-28VAC , 4 Digit, Opt. Card	$602.91

More Solutions Available - please contact us for further options

CEETYP IP44 PLUGS & SOCKETS

CEETYP TECHNICAL INFORMATION

CEEtyp is the trademark for Walther's range of plugs and socket made to the International IEC 60309 standard.
Walther CEEtyp products carry more than 6000 test certificates worldwide and have a large variety of models. They are used in Industrial, Farming, Agriculture, and Construction Site installations. They are also used for Camping Site, Caravan and Marina applications.

They are a very safe and reliable power connection with very simple handling and operation.

The Housings are all made of high quality P6 Polyamide which has the best resistance to chemicals and the highest resistance to tracking. The Housings are colour coded according to Operating Voltage.

All CEEtyp contacts are machined from solid high quality copper alloy. Each contact has 2 screws for a secure connection. For increased safety the earth contact sleeve is longer than the others so therefore contact between earth contact pin and earth contact sleeve is established first and breaks last.

ALL Walther Plugs & Sockets are manufactured in Germany.

Made in Germany

IP44 PLUGS

210

210306	Walther CeeTyp IP44 Plug - 16 Amp, 3 Pole, 240VAC, Blue	$16.78
210406	Walther CeeTyp IP44 Plug - 16 Amp, 4 Pole, 415VAC, Red	$19.30
210	Walther CeeTyp IP44 Plug - 16 Amp, 5 Pole, 415VAC, Red	$20.98
230306	Walther CeeTyp IP44 Plug - 32 Amp, 3 Pole, 240VAC, Blue	$29.37
230406	Walther CeeTyp IP44 Plug - 32 Amp, 4 Pole, 415VAC, Red	$30.42
230	Walther CeeTyp IP44 Plug - 32 Amp, 5 Pole, 415VAC, Red	$31.47

IP44 PLUGS - SCREWLESS

210SL

210SL	Walther CeeTyp IP44 Plug - 16 Amp, Screwless Terminals, 5 Pole, 415VAC, Red	$26.23
230SL	Walther CeeTyp IP44 Plug - 32 Amp, Screwless Terminals, 5 Pole, 415VAC, Red	$35.67

IP44 COUPLERS/CONNECTORS

310

310306	Walther CeeTyp IP44 Coupler - 16 Amp, 3 Pole, 240VAC, Blue	$24.97
310406	Walther CeeTyp IP44 Coupler - 16 Amp, 4 Pole, 415VAC, Red	$27.69
310	Walther CeeTyp IP44 Coupler - 16 Amp, 5 Pole, 415VAC, Red	$30.42
330306	Walther CeeTyp IP44 Coupler - 32 Amp, 3 Pole, 240VAC, Blue	$34.62
330406	Walther CeeTyp IP44 Coupler - 32 Amp, 4 Pole, 415VAC, Red	$35.67
330	Walther CeeTyp IP44 Coupler - 32 Amp, 5 Pole, 415VAC, Red	$36.72

CEETYP IP44 PLUGS & SOCKETS

IP44 COUPLER/CONNECTORS - SCREWLESS

310SL

310SL	Walther CeeTyp IP44 Coupler - 16 Amp, Screwless Terminals, 3P, 240VAC, Blue	$33.57
330SL	Walther CeeTyp IP44 Coupler - 32 Amp, Screwless Terminals, 5P, 415VAC, Red	$37.76

IP44 PHASE INVERTER/SEQUENCE TEST PLUGS

210DF

211PH	Walther CeeTyp IP44 Phase Inverter Plug - 16 Amp, 5 Pole, 415VAC, Red	$85.07
231PH	Walther CeeTyp IP44 Phase Inverter Plug - 32 Amp, 5 Pole, 415VAC, Red	$102.80
210406DF	Walther CeeTyp IP44 Phase Sequence Test Plug - 16 Amp, 4 Pole, 415VAC	$272.64
210DF	Walther CeeTyp IP44 Phase Sequence Test Plug - 16 Amp, 5 Pole, 415VAC	$276.10
230406DF	Walther CeeTyp IP44 Phase Sequence Test Plug - 32 Amp, 4 Pole, 415VAC	$345.23
230DF	Walther CeeTyp IP44 Phase Sequence Test Plug - 32 Amp, 5 Pole, 415VAC	$345.23

IP44 SURFACE SOCKET OUTLETS

130

110306	Walther CeeTyp IP44 Surface Mounted Socket Outlet - 16A, 3 Pole, 240VAC, Blue	$29.37
110406	Walther CeeTyp IP44 Surface Mounted Socket Outlet - 16A, 4 Pole, 415VAC, Red	$31.47
110	Walther CeeTyp IP44 Surface Mounted Socket Outlet - 16A, 5 Pole, 415VAC, Red	$32.52
130306	Walther CeeTyp IP44 Surface Mounted Socket Outlet - 32A, 3 Pole, 240VAC, Blue	$33.57
130406	Walther CeeTyp IP44 Surface Mounted Socket Outlet - 32A, 4 Pole, 415VAC, Red	$34.62
130	Walther CeeTyp IP44 Surface Mounted Socket Outlet - 32A, 5 Pole, 415VAC, Red	$35.67

IP44 PANEL MOUNTED SOCKET OUTLETS - ANGLED

510

510306	Walther CeeTyp IP44 Angled Panel Mounted Socket - 16 Amp, 3P, 240VAC, Blue	$23.08
510406	Walther CeeTyp IP44 Angled Panel Mounted Socket - 16 Amp, 4P, 415VAC, Red	$29.79
510	Walther CeeTyp IP44 Angled Panel Mounted Socket - 16 Amp, 5P, 415VAC, Red	$31.47
530306	Walther CeeTyp IP44 Angled Panel Mounted Socket - 32 Amp, 3P, 240VAC, Blue	$37.97
530406	Walther CeeTyp IP44 Angled Panel Mounted Socket - 32 Amp, 4P, 415VAC, Red	$45.53
530	Walther CeeTyp IP44 Angled Panel Mounted Socket - 32 Amp, 5P, 415VAC, Red	$51.40

IP44 PANEL MOUNTED SOCKET OUTLETS - STRAIGHT

410306

430

410306	Walther IP44 Straight Panel Mounted Socket Outlet - 16A, 3 Pole, 240VAC, Blue	$23.08
410406	Walther IP44 Straight Panel Mounted Socket Outlet - 16A, 4 Pole, 415VAC, Red	$26.85
410	Walther IP44 Straight Panel Mounted Socket Outlet - 16A, 5 Pole, 415VAC, Red	$37.66
430306	Walther IP44 Straight Panel Mounted Socket Outlet - 32A, 3 Pole, 240VAC, Blue	$38.08
430406	Walther IP44 Straight Panel Mounted Socket Outlet - 32A, 4 Pole, 415VAC, Red	$42.38
430	Walther IP44 Straight Panel Mounted Socket Outlet - 32A, 5 Pole, 415VAC, Red	$45.74
460306	Walther IP44 Straight Panel Mounted Socket Outlet - 63A, 3 Pole, 415VAC, Red	$151.37
460406	Walther IP44 Straight Panel Mounted Socket Outlet - 63A, 4 Pole, 415VAC, Red	$155.88
460	Walther IP44 Straight Panel Mounted Socket Outlet - 63A, 5 Pole, 415VAC, Red	$167.21

CEETYP IP44 PLUGS & SOCKETS

IP44 INTERLOCKED SWITCHED SOCKET OUTLETS

AT110306	Walther IP44 Interlocked Switched Socket Outlet - 16 Amp, 3 Pole, 240VAC, Blue	$297.92
AT110406	Walther IP44 Interlocked Switched Socket Outlet - 16 Amp, 4 Pole, 415VAC, Red	$356.66
AT110	Walther IP44 Interlocked Switched Socket Outlet - 16 Amp, 5 Pole, 415VAC, Red	$381.94
AT130406	Walther IP44 Interlocked Switched Socket Outlet - 32 Amp, 4 Pole, 415VAC, Red	$360.86
AT130	Walther IP44 Interlocked Switched Socket Outlet - 32 Amp, 5 Pole, 415VAC, Red	$383.93

IP44 SURFACE MOUNTED APPLIANCE INLETS

610

610306	Walther IP44 Surface Mounted Appliance Inlet - 16 Amp, 3 Pole, 240VAC, Blue	$28.53
610406	Walther IP44 Surface Mounted Appliance Inlet - 16 Amp, 4 Pole, 415VAC, Red	$32.52
610	Walther IP44 Surface Mounted Appliance Inlet - 16 Amp, 5 Pole, 415VAC, Red	$34.62
630306	Walther IP44 Surface Mounted Appliance Inlet - 32 Amp, 3 Pole, 240VAC, Blue	$55.70
630406	Walther IP44 Surface Mounted Appliance Inlet - 32 Amp, 4 Pole, 415VAC, Red	$55.70
630	Walther IP44 Surface Mounted Appliance Inlet - 32 Amp, 5 Pole, 415VAC, Red	$56.65

IP44 PANEL MOUNTED APPLIANCE INLETS

635306

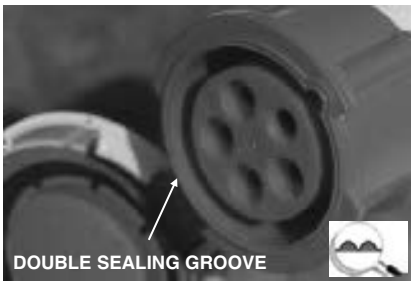
635

615306	Walther CeeTyp IP44 Panel Mounted Appliance Inlet - 16A, 3 Pole, 240VAC, Blue	$37.76
615406	Walther CeeTyp IP44 Panel Mounted Appliance Inlet - 16A, 4 Pole, 415VAC, Red	$48.25
615	Walther CeeTyp IP44 Panel Mounted Appliance Inlet - 16A, 5 Pole, 415VAC, Red	$52.45
615PH	Walther IP44 Panel Mounted Inlet with Phase Inverter - 16A 5P 415VAC, Red	$96.09
635306	Walther CeeTyp IP44 Panel Mounted Appliance Inlet - 32A, 3 Pole, 240VAC, Blue	$58.11
635406	Walther CeeTyp IP44 Panel Mounted Appliance Inlet - 32A, 4 Pole, 415VAC, Red	$67.14
635	Walther CeeTyp IP44 Panel Mounted Appliance Inlet - 32A, 5 Pole, 415VAC, Red	$76.26
635PH	Walther IP44 Panel Mounted Inlet with Phase Inverter - 32A 5P 415VAC, Red	$130.92

CEETYP IP67 PLUGS & SOCKETS

FAST. SAFE. SECURE. WATERTIGHT.

Walther CEEtyp offers the quickest assembly and the most secure operational reliability. Walther has incorporated a patented cage type gasket inside the body of the plug. This seals in both directions both towards the cable entry and towards the front. Connection security is increased with screw terminals having 2 screws per contact. The cable gland has great strain relief and water tightness. The screwless version has unlimited strain relief. Water tightness is increased with a double sealing groove. Opened hinged lid snaps automatically into closed position when let loose. The CEEtyp system is padlockable as a protection against unauthorized disconnection. Walther is made in Germany.



IP67 PLUGS

239

279

219306	Walther CeeTyp IP67 Plug - 16 Amp, 3 Pole, 240VAC, Blue	$37.66
219406	Walther CeeTyp IP67 Plug - 16 Amp, 4 Pole, 415VAC, Red	$43.11
219	Walther CeeTyp IP67 Plug - 16 Amp, 5 Pole, 415VAC, Red	$47.94
239306	Walther CeeTyp IP67 Plug - 32 Amp, 3 Pole, 240VAC, Blue	$83.92
239406	Walther CeeTyp IP67 Plug - 32 Amp, 4 Pole, 415VAC, Red	$57.38
239	Walther CeeTyp IP67 Plug - 32 Amp, 5 Pole, 415VAC, Red	$58.22
269306	Walther CeeTyp IP67 Plug - 63 Amp, 3 Pole, 240VAC, Blue	$175.18
269406	Walther CeeTyp IP67 Plug - 63 Amp, 4 Pole, 415VAC, Red	$142.66
269	Walther CeeTyp IP67 Plug - 63 Amp, 5 Pole, 415VAC, Red	$144.76
279306	Walther CeeTyp IP67 Plug - 125 Amp, 3 Pole, 240VAC, Blue	$377.64
279406	Walther CeeTyp IP67 Plug - 125 Amp, 4 Pole, 415VAC, Red	$363.06
279	Walther CeeTyp IP67 Plug - 125 Amp, 5 Pole, 415VAC, Red	$377.95

CEETYP IP67 PLUGS & SOCKETS

IP67 COUPLERS/CONNECTORS

319306

339

319306	Walther CeeTyp IP67 Coupler - 16 Amp, 3 Pole, 240VAC, Blue	$43.22
319406	Walther CeeTyp IP67 Coupler - 16 Amp, 4 Pole, 415VAC, Red	$52.97
319	Walther CeeTyp IP67 Coupler - 16 Amp, 5 Pole, 415VAC, Red	$58.64
339306	Walther CeeTyp IP67 Coupler - 32 Amp, 3 Pole, 240VAC, Blue	$73.43
339406	Walther CeeTyp IP67 Coupler - 32 Amp, 4 Pole, 415VAC, Red	$75.53
339	Walther CeeTyp IP67 Coupler - 32 Amp, 5 Pole, 415VAC, Red	$77.63
369306	Walther CeeTyp IP67 Coupler - 63 Amp, 3 Pole, 240VAC, Blue	$157.77
369406	Walther CeeTyp IP67 Coupler - 63 Amp, 4 Pole, 415VAC, Red	$170.25
369	Walther CeeTyp IP67 Coupler - 63 Amp, 5 Pole, 415VAC, Red	$184.31
379306	Walther CeeTyp IP67 Coupler - 125 Amp, 3 Pole, 240VAC, Blue	$417.50
379406	Walther CeeTyp IP67 Coupler - 125 Amp, 4 Pole, 415VAC, Red	$437.22
379	Walther CeeTyp IP67 Coupler - 125 Amp, 5 Pole, 415VAC, Red	$461.14

IP67 SURFACE MOUNTED SOCKET OUTLETS

139

179OK

119306	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 16A, 3 Pole, 240VAC, Blue	$66.51
119406	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 16A, 4 Pole, 415VAC, Red	$70.49
119	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 16A, 5 Pole, 415VAC, Red	$73.85
139306	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 32A, 3 Pole, 240VAC, Blue	$70.91
139406	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 32A, 4 Pole, 415VAC, Red	$71.54
139	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 32A, 5 Pole, 415VAC, Red	$79.30
169406	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 63A, 4 Pole, 415VAC, Red	$142.45
169	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 63A, 5 Pole, 415VAC, Red	$154.83
179406OK	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 125A, 4 Pole, 415VAC, Red	$534.99
179OK	Walther CeeTyp IP67 Surface Mounted Socket Outlet - 125A, 5 Pole, 415VAC, Red	$560.17

IP67 PANEL MOUNTED SOCKET OUTLETS - ANGLED

539406

579

519306	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 16A 3P 240VAC, Blue	$41.12
519406	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 16A 4P 415VAC, Red	$52.45
519	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 16A 5P 415VAC, Red	$58.74
539306	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 32A 3P 240VAC, Blue	$62.94
539406	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 32A 4P 415VAC, Red	$55.70
539	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 32A 5P 415VAC, Red	$60.11
569306	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 63A 3P 240VAC, Blue	$113.29
569406	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 63A 4P 415VAC, Red	$123.68
569	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 63A 5P 415VAC, Red	$144.45
579406	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 125A 4P 415VAC Red	$392.33
579	Walther CeeTyp IP67 Angled Panel Mounted Socket Outlet - 125A 5P 415VAC Red	$396.52

IP67 PANEL MOUNTED SOCKET OUTLETS - STRAIGHT

439

479

419306	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 16A 3P 240VAC, Blue	$41.12
419406	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 16A 4P 415VAC, Red	$52.45
419	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 16A 5P 415VAC, Red	$58.74
439306	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 32A 3P 240VAC, Blue	$62.94
439406	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 32A 4P 415VAC, Red	$55.70
439	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 32A 5P 415VAC, Red	$60.11
469306	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 63A 3P 240VAC, Blue	$119.59
469406	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 63A 4P 41VAC, Red	$134.27
469	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 63A 5P 415VAC, Red	$144.45
479	Walther CeeTyp IP67 Straight Panel Mounted Socket Outlet - 125A 5P 415VAC, Red	$396.52

IP67 INTERLOCKED SWITCHED SOCKET OUTLETS

AT139

AT119306	Walther CeeTyp IP67 Interlocked Switched Socket Outlet - 16 Amp, 3 Pole, 240VAC, Blue	$329.39
AT119406	Walther CeeTyp IP67 Interlocked Switched Socket Outlet - 16 Amp, 4 Pole, 415VAC, Red	$354.56
AT119	Walther CeeTyp IP67 Interlocked Switched Socket Outlet - 16 Amp, 5 Pole, 415VAC, Red	$369.25
AT139406	Walther CeeTyp IP67 Interlocked Switched Socket Outlet - 32 Amp, 4 Pole, 415VAC, Red	$444.78
AT139	Walther CeeTyp IP67 Interlocked Switched Socket Outlet - 32 Amp, 5 Pole, 415VAC, Red	$461.56
AE169406	Walther CeeTyp IP67 Interlocked Switched Socket Outlet - 63 Amp, 4 Pole, 415VAC, Red	$696.54
AE169	Walther CeeTyp IP67 Interlocked Switched Socket Outlet - 63 Amp, 5 Pole, 415VAC, Red	$723.81

IP67 PANEL MOUNTED APPLIANCE INLETS - ANGLED

639

619306	Walther CeeTyp IP67 Panel Mounted Appliance Inlet - 16 Amp, 3 Pole, 240VAC, Blue	$53.39
619406	Walther CeeTyp IP67 Panel Mounted Appliance Inlet - 16 Amp, 4 Pole, 415VAC, Red	$67.14
619	Walther CeeTyp IP67 Panel Mounted Appliance Inlet - 16 Amp, 5 Pole, 415VAC, Red	$77.63
639306	Walther CeeTyp IP67 Panel Mounted Appliance Inlet - 32 Amp, 3 Pole, 240VAC, Blue	$79.72
639406	Walther CeeTyp IP67 Panel Mounted Appliance Inlet - 32 Amp, 4 Pole, 415VAC, Red	$81.82
639	Walther CeeTyp IP67 Panel Mounted Appliance Inlet - 32 Amp, 5 Pole, 415VAC, Red	$73.43
669	Walther CeeTyp IP67 Panel Mounted Appliance Inlet - 63 Amp, 5 Pole, 415VAC, Red	$130.08

IP67 PANEL MOUNTED APPLIANCE INLET - STRAIGHT

679	Walther CeeTyp IP67 Panel Mounted Appliance Inlett - 125 Amp, 5 Pole, 415VAC, Red	$411.2

CEETYP IP67 PLUGS & SOCKETS

IP67 SURFACE MOUNTED APPLIANCE INLETS

678OK

618306	Walther CeeTyp IP67 Surface Mounted Appliance Inlet - 16 Amp, 3 Pole, 240VAC,	$56.65
638	Walther CeeTyp IP67 Surface Mounted Appliance Inlet - 32 Amp, 5 Pole, 415VAC,	$151.06
668306	Walther CeeTyp IP67 Surface Mounted Appliance Inlet - 63 Amp, 3 Pole, 240VAC,	$220.29
668406	Walther CeeTyp IP67 Surface Mounted Appliance Inlet - 63 Amp, 4 Pole, 415VAC,	$230.78
668	Walther CeeTyp IP67 Surface Mounted Appliance Inlet - 63 Amp, 5 Pole, 415VAC,	$241.27
678OK	Walther CeeTyp IP67 Surface Mounted Appliance Inlet - 125 Amp, 5 Pole, 415VAC,	$576.95

IP67 ACCESSORIES

633500

334500

613300	Walther CeeTyp IP67 Protective Cap - 16 Amp, 3 Pole	$55.51
613400	Walther CeeTyp IP67 Protective Cap - 16 Amp, 4 Pole	$58.53
613500	Walther CeeTyp IP67 Protective Cap - 16 Amp, 5 Pole	$63.82
633400	Walther CeeTyp IP67 Protective Cap - 32 Amp, 3 & 4 Pole	$66.21
633500	Walther CeeTyp IP67 Protective Cap - 32 Amp, 5 Pole	$72.00
663500	Walther CeeTyp IP67 Protective Cap - 63 Amp, 3 & 4 & 5 Pole	$85.22
673500	Walther CeeTyp IP67 Protective Cap - 125 Amp, 3 & 4 & 5 Pole	$94.86
314500	Walther CeeTyp Suspension Plate for 16 Amp Plugs and Couplers IP67 & IP44	$20.56
334500	Walther CeeTyp Suspension Plate for 32 Amp Plugs and Couplers IP67 & IP45	$23.08

334500 in use

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: W2

CEETYP IP67 CONTAINER PLUGS & SOCKETS

IP67 CONTAINER PLUGS & SOCKETS - 4 POLE 415VAC

239403

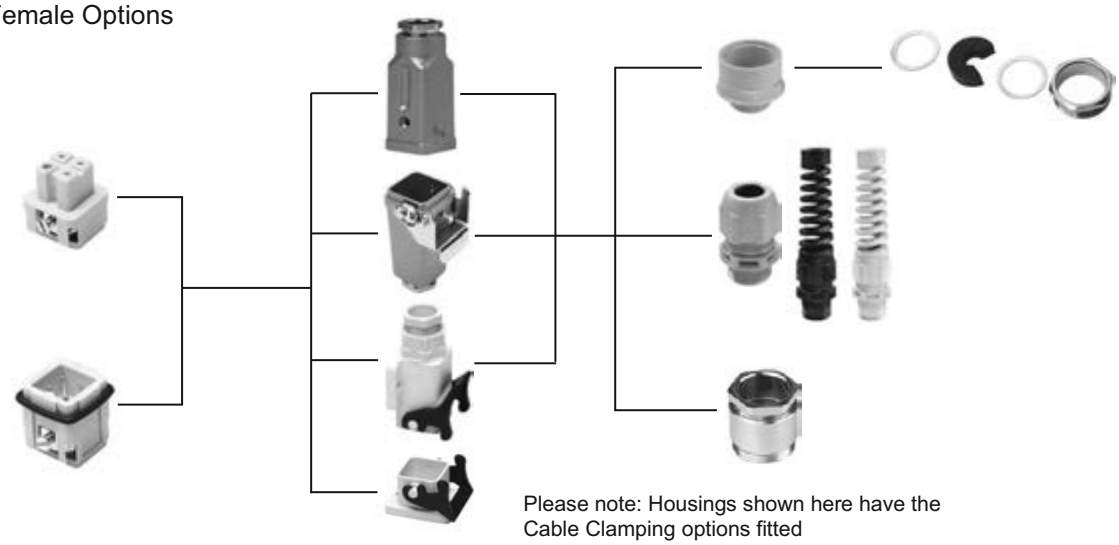
239403	Walther CeeTyp IP67 Container Plug - 32 Amp, Red, 3H	$52.45
339403	Walther CeeTyp IP67 Container Coupler - 32 Amp, Red, 3H	$58.01
139403	Walther IP67 Container Surface Mounted Socket Outlet - 32Amp, Red, 3H	$64.93
AT139403	Walther IP67 Container Surface Mounted Switched Socket Outlet - 32Amp, Red, 3H	$412.78
439403	Walther IP67 Container Panel Mounted Socket Outlet - 32Amp, Red, 3H	$50.25
639403	Walther IP67 Container Surface Mounted Appliance Inlet - 32Amp, Red, 3H	$75.97

PRODUCT SELECTION GUIDE

Inserts: 3 Pole & Earth, 4 Pole & Earth - Male & Female Options

Housing Options in Plastic or Aluminium

Cable Clamping Options



Please note: Housings shown here have the Cable Clamping options fitted

PRODUCT ASSEMBLY PROCEDURE

Step 1:

Select the type of Inserts required from the following options:

- Screw Terminal with Wire Guard
- Screw Terminal without Wire Guard
- Screwless Terminal
- Crimp Contact Carriers

All Inserts include an Earth Connection.

When selecting Crimp Solutions you need to also include the Crimp Pin (Male) and Crimp Sleeve (Female) items.

Step 2:

Select Housings from the following options:

- Single or Double Lever Format
- Wall Mounted Housings
- Panel Mounted Housings
- Housings with Covers
- Coupler Hoods
- Hoods with Side Cable Entry
- Hoods with Top Cable Entry

Double Lever solution is not available in all formats.

Step 3:

Select the Cable Clamping solution from the following options:

- Bush set which comes complete with nickel coated brass bush, washers and “onion ring” type seal
- Metal Gland which is supplied complete with nickel coated brass collar, brass bush, washers and “onion ring” type seal

Other cable clamping solutions are available from Wiska such as compression glands in both nickel plated brass and nylon, spiral glands and trumpet glands.
Please refer to the Wiska section of the catalogue for further product solutions.

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: W1

HEAVY DUTY CONNECTORS - A3/A4/A5

A3/A4 SERIES - 3 POLE & EARTH / 4 POLE & EARTH INSERTS - 400V/10A

700103

700103	Female - 3 Pole & Earth Screw Connection Insert, 0.5 to 1.5 mm²	$20.71
700203	Male - 3 Pole & Earth Screw Connection Insert, 0.5 to 1.5 mm²	$19.19
700104	Female - 4 Pole & Earth Screw Connection Insert, 0.5 to 1.5 mm²	$24.36
700204	Male - 4 Pole & Earth Screw Connection Insert, 0.5 to 1.5 mm²	$21.90

A5 SERIES - 5 POLE & EARTH CRIMP INSERTS - 400V/16A

700105

710501

710511

700105	Crimp Contact Carrier for Sleeve Contacts (female) - 5 Pole & Earth - 0.14-2.5mm²	$13.48
700205	Crimp Contact Carrier for Sleeve Contact Pin (male) - 5 Pole & Earth - 0.14-2.5mm²	$12.43
710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS & HOUSINGS ALUMINIUM - IP65 GREY

704303

T702803MS & 717637

T701403	Wall Housing - Single Lever System - with M20 Threaded Hole - Height 25.5mm	$28.93
704303	Panel Housing - Single Lever - Height 24mm	$11.26
704403	Panel Housing with Spring Cover - Single Lever - Height 24mm	$37.74
7044030D	Panel Housing with Spring Cover - Single Lever - Height 24mm for male insert	$37.74
704503	Angle Panel Housing - Single Lever - Height 25.5mm	$18.57
T702803MS	Hood - Top Entry Single Lever - with M20 Collar - Height 57mm	$12.49
T702603MS	Angle Hood - Top Entry Single Lever System - with M20 Collar - Height 48mm	$18.24
T703803MS	Coupler Hood - Top Entry Single Lever System - with M20 Collar - Height 60.5mm	$19.19

HEAVY DUTY CONNECTORS - A3/A4/A5

HOODS & HOUSINGS PLASTIC - IP65 GREY

700621

700621	Panel Housing - Single Lever - Height 24mm	$10.34
700622	Angle Panel Housing - Single Lever - Height 25.5mm	$17.65
T700620	Wall Housing - Single Lever - M25 Entry - Height 24mm	$27.10
T700624MS	Angle Hood - Top Entry Single Lever System - with M20 Collar - Height 48mm	$12.80
T700625MS	Hood -Top Entry Single Lever System - with M20 Collar - Height 57mm	$11.26
T700623MS	Coupler Hood - Top Entry Single Lever System - with M20 Collar - Height 60.5mm	$15.55

CABLE CLAMPING OPTIONS & ACCESSORIES

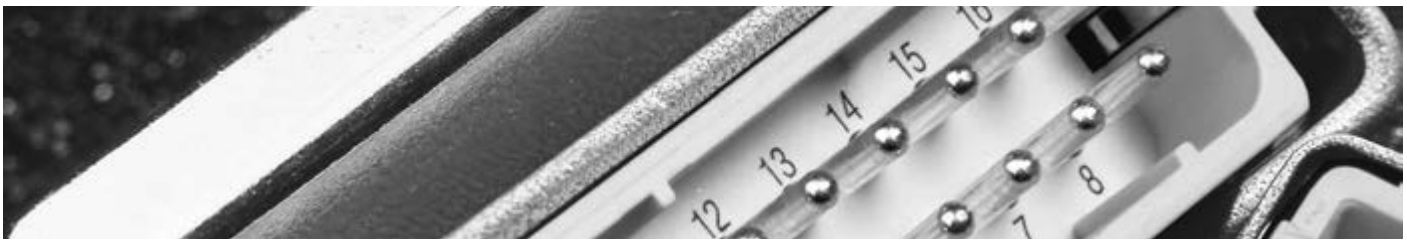
717642

700631

717642	Plastic Cable Gland including collar, onion ring seal and pressure rings - M20	$8.13
717643	Metal Cable Gland including collar, onion ring seal and pressure rings - M20	$3.64
717636	Plastic Bush Set Complete with onion ring seal and pressure rings - M20	$6.12
717637	Metal Bush Set Complete with onion ring seal and pressure rings - M20	$2.74
700631MD	Protective Cap - for Female Inserts - Height 17mm	$5.79
700631	Protective Cap - for Male Inserts - Height 17mm	$5.79

For Cable Gland or Spiral Gland Options please check Wiska Catalogue section

HEAVY DUTY CONNECTORS - A10



A10 SERIES - 10 POLE & EARTH INSERTS - 250V/16Amp

700110	Female - 10 Pole & Earth Insert - Screw Connection, 0.5 to 2.5 mm²	$31.37
700210	Male - 10 Pole & Earth Insert - Screw Connection, 0.5 to 2.5 mm²	$28.61

HOODS & HOUSINGS - SINGLE LEVER - IP65

T702610MS & 717637

T702610MS	Hood - Side Entry Single Lever - with M20 Collar - Height 53mm - IP65	$23.75
T708710	Hood - Side Entry Single Lever - with M25 Threaded Hole - Height 66mm - IP65	$47.21
704310	Panel Housing - Single Lever - Height 26mm - IP65	$20.40
704410	Panel Housing with Spring Cover - Single Lever - Height 26mm - IP65	$35.94

CABLE CLAMPING OPTIONS

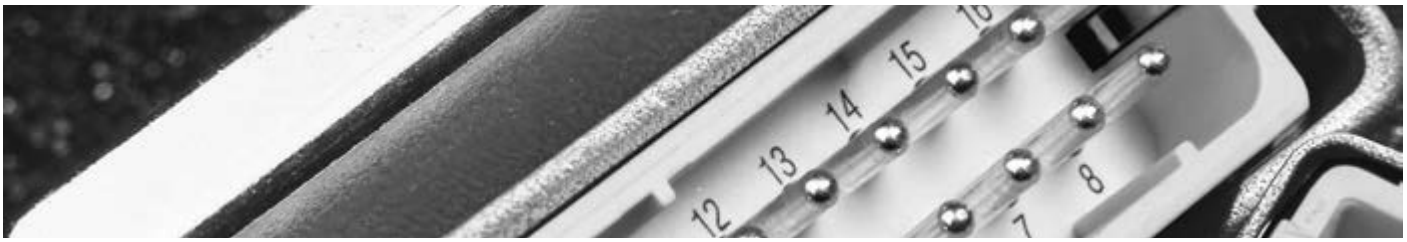
Complete Gland

717637 Bush Set

717643	Metal Cable Gland including collar, onion ring seal and pressure rings - M20	$3.64
717644	Metal Cable Gland including collar, onion ring seal and pressure rings - M25	$6.12
30105033	Metal Collar - Nickel Plated Brass - M20	$3.09
30105034	Metal Collar - Nickel Plated Brass - M25	$5.20
717637	Bush Set Complete with onion ring seal and pressure rings - M20	$2.74
717638	Bush Set Complete with onion ring seal and pressure rings - M25	$4.58

For Cable Gland or Spiral Gland Options please check Wiska Catalogue section

HEAVY DUTY CONNECTORS - A16



A16 SERIES - 16 POLE & EARTH INSERTS - 250V/16Amp

700116	Female 16 Pole & Earth Screw Connection Insert, 0.5 to 2.5mm²	$42.35
700216	Male 16 Pole & Earth Screw Connection Insert, 0.5 to 2.5mm²	$35.32

A16 SERIES - 16 POLE & EARTH CRIMP INSERTS - 250V/16Amp

700416

710501

710511

700316	Crimp Contact Carrier for Sleeve (Female) - 6 Pole & Earth - 0.5 to 4mm²	$30.45
700416	Crimp Contact Carrier for Pin Contacts (Male) - 6 Pole & Earth - 0.5 to 4mm²	$30.45
710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710503	Crimp Sleeve Contacts B Series - 4.0 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
710513	Crimp Pin Contacts B Series - 4.0 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS & HOUSINGS - SINGLE LEVER - IP65

T702616MS & 717637

T702616MS	Hood - Side Entry Single Lever System - with M20 Collar - Height 58mm	$34.41
T702816MS	Hood - Top Entry Single Lever System - with M20 Collar - Height 58mm	$36.88
704316	Panel Housing - Single Lever System - Height 26mm - IP65	$31.96

CABLE CLAMPING OPTIONS & ACCESSORIES

717637

717643	Metal Cable Gland including collar, onion ring seal and pressure rings - M20	$3.64
30105033	Metal Collar - Nickel Plated Brass - M20	$3.09
717637	Bush Set Complete with onion ring seal and pressure rings - M20	$2.74

For Cable Gland or Spiral Gland Options please check Wiska Catalogue section

A32 SERIES - 32 POLE & EARTH INSERTS - 250V/16Amp

700116 & 700132

700116	Female 16 Pole & Earth Screw Connection Insert, 0.5 to 2.5 mm²	$40.10
700132	Female 16 Pole & Earth Screw Connection Insert, 0.5 to 2.5 mm² (17-32)	$40.95
700216	Male 16 Pole & Earth Screw Connection Insert, 0.5 to 2.5 mm²	$33.44
700232	Male 16 Pole & Earth Screw Connection Insert, 0.5 to 2.5 mm² (17-32)	$34.33

A32 SERIES - 32 POLE & EARTH CRIMP INSERTS - 250V/16Amp

700316

710500

710510

700316	Crimp Contact Carrier for Sleeve Contacts - 16 Pole& Earth, 0.5 to 4 mm²	$28.84
700416	Crimp Contact Carrier for Pin Contacts - 16 Pole & Earth, 0.5 to 4 mm²	$28.84
700332	Crimp Contact Carrier for Sleeve Contacts - 16 Pole & Earth, (17/32)	$29.39
700432	Crimp Contact Carrier for Pin Contacts - 16 Pole & Earth, (17-32)	$29.39
710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710503	Crimp Sleeve Contacts B Series - 4.0 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
710513	Crimp Pin Contacts B Series - 4.0 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS & HOUSING - DOUBLE LEVER - IP65

T708132	Hood - Side Entry Double Lever System - with M32 Threaded Hole - Height 76mm	$66.61
704132	Panel Housing - Double Lever System - Height 28mm - IP65	$46.12

CABLE CLAMPING OPTIONS & ACCESSORIES

717644

717644	Metal Cable Gland including collar, onion ring seal and pressure rings - M25	$6.12
30105034	Metal Collar - Nickel Plated Brass - M25	$5.20
717638	Bush Set Complete with onion ring seal and pressure rings - M25	$4.58

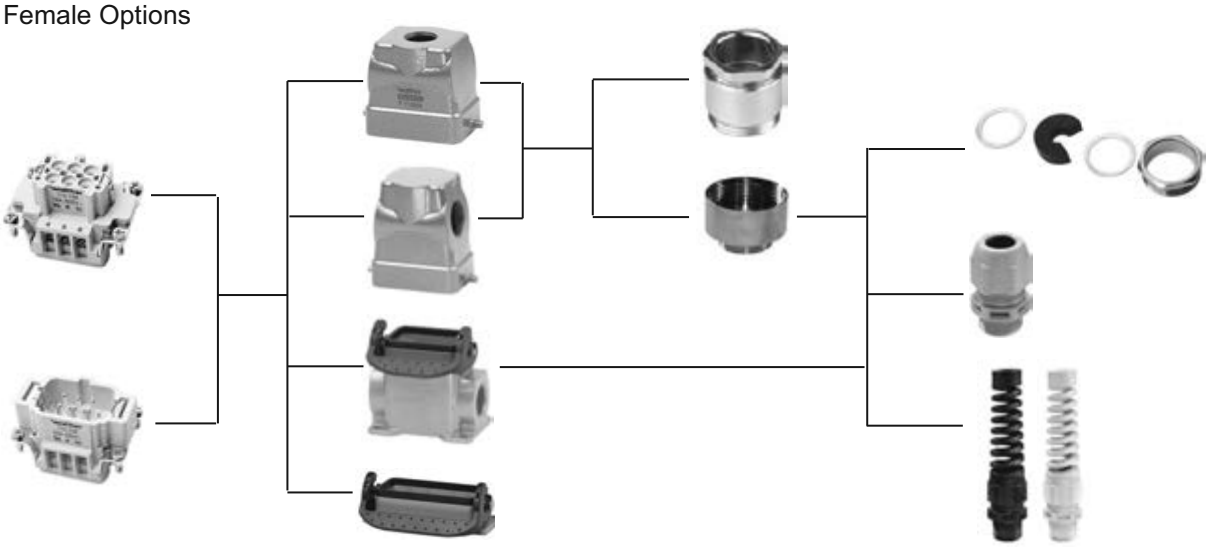
For Cable Gland or Spiral Gland Options please check Wiska Catalogue section

PRODUCT SELECTION GUIDE

Inserts: Crimp/Screw/ Screwless, Male/ Female Options

Housing Options

Cable Clamping Options



PRODUCT ASSEMBLY PROCEDURE

Step 1:

Select the type of Inserts required from the following options:

- Screw Terminal with Wire Guard
- Screw Terminal without Wire Guard
- Screwless Terminal
- Crimp Contact Carriers

All Inserts include an Earth Connection.

When selecting Crimp Solutions you need to also include the Crimp Pin (Male) and Crimp Sleeve (Female) items.

Step 2:

Select Housings from the following options:

- Single or Double Lever Format
- Wall Mounted Housings
- Panel Mounted Housings
- Housings with Covers
- Coupler Hoods
- Hoods with Side Cable Entry
- Hoods with Top Cable Entry

Double Lever solution is not available in all formats.

Step 3:

Select the Cable Clamping solution from the following options:

- Bush set which comes complete with nickel coated brass bush, washers and “onion ring” type seal
- Metal Gland which is supplied complete with nickel coated brass collar, brass bush, washers and “onion ring” type seal

Other cable clamping solutions are available from Wiska such as compression glands in both nickel plated brass and nylon, spiral glands and trumpet glands.
Please refer to the Wiska section of the catalogue for further product solutions.

B6 SERIES - 6 POLE & EARTH INSERTS - 500V/16Amp

710106

710607

710106	Female 6 Pole & Earth Screw Connection Insert with Wire Guard - 0.5 to 2.5mm²	$20.32
710206	Male 6 Pole & Earth Screw Connection Insert with Wire Guard - 0.5 to 2.5mm²	$20.00
710769	Female 6 Pole & Earth Screw Connection Insert without Wire Guard - 0.5 to 4mm²	$19.40
710773	Male 6 Pole & Earth Screw Connection Insert without Wire Guard - 0.5 to 4mm²	$19.10
71010604	Female 6 Pole & Earth Insert with Push-In Terminals - 0.5 to 2.5mm²	$0.00
71020604	Male 6 Pole & Earth Insert with Push-In Terminals - 0.5 to 2.5mm²	$0.00
710607	Coding Pin	$2.57

B6 SERIES - 6 POLE & EARTH CRIMP INSERTS - 500V/16Amp

710406

710501

710511

710306	Crimp Contact Carrier for Sleeve Contacts (Female) - 6 Pole & Earth - 0.5 to 4mm²	$16.62
710406	Crimp Contact Carrier for Pin Contacts (Male) - 6 Pole & Earth - 0.5 to 4mm²	$16.62
710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710503	Crimp Sleeve Contacts B Series - 4.0 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
710513	Crimp Pin Contacts B Series - 4.0 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS - SINGLE LEVER - IP65

P712806

P712606	Hood - Side Entry Single Lever System - with M20 Threaded Hole - Height 56mm	$24.92
P758624	Hood - Side Entry Single Lever System - with M25 Threaded Hole - Height 72mm	$34.78
P712806	Hood - Top Entry Single Lever System - with M20 Threaded Hole - Height 56mm	$26.16
P758824	Hood - Top Entry Single Lever System - with M25 Threaded Hole - Height 72mm	$34.78
P713806	Coupler Hood - Top Entry Single Lever System - with M20 Threaded Hole - 61.5mm	$32.03
P753824	Coupler Hood - Top Entry Single Lever System - with M25 Threaded Hole - 77.5mm	$28.93
P753824AQ	Coupler Hood - Top Entry Single Lever **(Steel)** - with M25 Threaded Hole - 77.5mm	$34.50

WALL & PANEL HOUSINGS - SINGLE LEVER - IP65

714306

714306	Panel Housing - Single Lever System - Height 28mm	$24.62
714306AQ	Panel Housing - Single Lever System **(Steel)** - Height 28mm	$28.17
P711406MS	Wall Housing - Single Lever - with M20 Collar - Height 53mm	$41.26
714406	Panel Housing with Hinged Cover - Single Lever - Height 28mm	$39.72
714406SK	Panel Housing with Self Closing Spring Cover - Single Lever - Height 28mm	$47.10

ACCESSORIES

710630

710630	Protective Cap - Single Lever - Plastic - Height 18mm	$15.42
710630AL	Protective Cap - Single Lever - Aluminium - Height 18mm	$38.13

CABLE CLAMPING OPTIONS

Complete Gland

Collar

Bush set

717643	Metal Cable Gland including collar, onion ring seal and pressure rings - M20	$3.64
717644	Metal Cable Gland including collar, onion ring seal and pressure rings - M25	$6.12
717645	Metal Cable Gland including collar, onion ring seal and pressure rings - M32	$9.33
30105033	Metal Collar - Nickel Plated Brass - M20	$3.09
30105034	Metal Collar - Nickel Plated Brass - M25	$5.20
30105035	Metal Collar - Nickel Plated Brass - M32	$7.93
717637	Bush Set Complete with onion ring seal and pressure rings - M20	$2.74
717638	Bush Set Complete with onion ring seal and pressure rings - M25	$4.58
717639	Bush Set Complete with onion ring seal and pressure rings - M32	$7.00

For other Cable Clamping options please refer to Wiska product range

B10 SERIES - 10 POLE & EARTH INSERTS - 500V/16Amp

710110

710607

710110	Female 10 Pole & Earth Screw Connection Insert with Wire Guard, 0.5 - 2.5 mm²	$25.86
710210	Male 10 Pole & Earth Screw Connection Insert with Wire Guard, 0.5 - 2.5 mm²	$25.53
710770	Female 10 Pole & Earth Screw Connection Insert without Wire Guard, 0.5 - 4 mm²	$24.92
710774	Male 10 Pole & Earth Screw Connection Insert without Wire Guard, 0.5 - 4 mm²	$24.62
71011004	Female 10 Pole & Earth Insert with Push in Terminals 0.5 - 2.5mm²	$33.15
71021004	Male 10 Pole & Earth Insert with Push in Terminals 0.5 - 2.5mm²	$32.89
710607	Coding Pin	$2.57

B10 SERIES - 10 POLE & EARTH CRIMP INSERTS - 500V/16Amp

710410

710511

710500

710310	Crimp Contact Carrier for Sleeve Contacts - 0.5 to 4 mm²	$18.77
710410	Crimp Contact Carrier for Pin Contacts - 0.5 to 4 mm²	$18.46
710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710503	Crimp Sleeve Contacts B Series - 4.0 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
710513	Crimp Pin Contacts B Series - 4.0 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS - DOUBLE LEVER - IP65

P712210

P712110	Hood - Side Entry Double Lever System - with M20 Threaded Hole - Height 56mm	$31.69
P758042	Hood - Side Entry Double Lever System - with M25 Threaded Hole - Height 56mm	$42.15
P758142	Hood - Side Entry Double Lever System - with M32 Threaded Hole - Height 72mm	$56.02
P712210	Hood - Top Entry Double Lever System - with M20 Threaded Hole - Height 56mm	$33.56
P712310	Hood - Top Entry Double Lever System - with M25 Threaded Hole - Height 56mm	$37.45
P758342	Hood - Top Entry Double Lever System - with M32 Threaded Hole - Height 72mm	$51.43
P713610	Coupler Hood - Top Entry Double Lever System - with M20 Threaded Hole - 61.5mm	$72.95
P753742	Coupler Hood - Top Entry Double Lever System - with M32 Threaded Hole - 77.5mm	$86.20

WALL & PANEL HOUSINGS - DOUBLE LEVER - IP65

714110

714110	Panel Housing - Double Lever System - Height 28mm	$36.03
P711010MS	Wall Housing with Single M20 Collar - Double Lever System - Height 53mm	$56.98
P757042MS	Wall Housing with Single M32 Collar - Double Lever System - Height 74mm	$82.40

ACCESSORIES - DOUBLE LEVER

710624

710624	Protective Cap with retaining cord - Double Lever System - Plastic – Height 18mm	$17.87
710624AL	Protective Cap with retaining cord - Double Lever System - Aluminium - Height 18mm	$33.85

HOODS - SINGLE LEVER - IP65

P758642

P712610	Hood - Side Entry Single Lever System - with M20 Threaded Hole - Height 56mm	$33.56
P758642	Hood - Side Entry Single Lever System - with M25 Threaded Hole - Height 72mm	$55.65
P712810	Hood - Side Entry Single Lever System - with M20 Threaded Hole - Height 56mm	$35.10
P758842	Hood - Side Entry Single Lever System - with M25 Threaded Hole - Height 72mm	$60.79
P713810	Coupler Hood - Top Entry Single Lever System - with M20 Threaded Hole - 61.5mm	$51.19
P753842	Coupler Hood - Top Entry Single Lever System - with M25 Threaded Hole - 77.5mm	$66.19
P753842AQ	Coupler Hood - Top Entry Single Lever (Steel) - with M25 Threaded Hole - 77.5mm	$71.75

WALL & PANEL HOUSINGS - SINGLE LEVER - IP65

714310

714310	Panel Housing - Single Lever System - Height 28mm	$37.23
714310AQ	Panel Housing - Single Lever System (Steel Lever) - Height 28mm	$42.80
714410	Panel Housing with Spring Cover - Single Lever System - Height 27mm plus cover	$52.92
P711410MS	Wall Housing with Single M20 Collar - Single Lever System - Height 74mm	$53.60

ACCESSORIES - SINGLE LEVER

710632	Protective Cap - Single Lever System - Plastic – Height 18mm	$14.33
710632AL	Protective Cap - Single Lever System - Aluminium - Height 18mm	$35.40

HOODS & HOUSINGS - REVERSE DOUBLE LEVER - IP65

P753242	Hood with clips - Top Entry Double Locking System - with M25 Threaded Hole - 72mm	$68.33
P753342	Hood with clips - Top Entry Double Locking System - with M32 Threaded Hole - 72mm	$87.47
714210	Panel Housing with Spring Cover without clips - Double Locking - 27mm plus Cover	$42.79

CABLE CLAMPING OPTIONS

Complete Gland

Collar

Bush set

717643	Metal Cable Gland including collar, onion ring seal and pressure rings - M20	$3.64
717644	Metal Cable Gland including collar, onion ring seal and pressure rings - M25	$6.12
717645	Metal Cable Gland including collar, onion ring seal and pressure rings - M32	$9.33
30105033	Metal Collar - Nickel Plated Brass - M20	$3.09
30105034	Metal Collar - Nickel Plated Brass - M25	$5.20
30105035	Metal Collar - Nickel Plated Brass - M32	$7.93
717637	Bush Set Complete with onion ring seal and pressure rings - M20	$2.74
717638	Bush Set Complete with onion ring seal and pressure rings - M25	$4.58
717639	Bush Set Complete with onion ring seal and pressure rings - M32	$7.00

For other Cable Clamping options please refer to Wiska product range

B16 SERIES - 16 POLE & EARTH INSERT - 500V/16AMP

710116

710607

710116	Female Insert - 16 Pole - Screw Term. plus Wire Guard - 500V, / 16A, 0.5 to 2.5 mm²	$32.97
710216	Male Insert - 16 Pole - Screw Term. plus Wire Guard - 500V / 16A, 0.5 to 2.5 mm²	$31.39
710771	Female Insert - 16 Pole - Screw Term. no Wire Guard - 500V / 16A, 0.5 to 4 mm²	$32.03
710775	Male Insert - 16 Pole - Screw Term. no Wire Guard - 500V / 16A, 0.5 to 4 mm²	$30.48
71011604	Female 16 Pole & Earth Insert with Push-in Terminals - 0.5 to 2.5mm²	$43.17
71021604	Male 16 Pole & Insert with Push-in Terminals - 0.5 to 2.5mm²	$41.49
710607	Coding Pin	$2.57

B16 SERIES - 16 POLE & EARTH INSERT - 500V/16AMP

710316

710501

710511

710316	Crimp Contact Carrier for Sleeve Contacts - 16 Pole 500V, 16 Amps, 0.5 to 4 mm²	$23.73
710416	Crimp Contact Carrier for Pin Contacts - 16 Pole 500V, 16 Amps, 0.5 to 4 mm²	$23.38
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710503	Crimp Sleeve Contacts B Series - 4.0 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
710513	Crimp Pin Contacts B Series - 4.0 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS - DOUBLE LEVER - IP65

P728140

P718016	Hood - Side Entry Double Lever - with M25 Threaded Hole - Height 65mm	$44.22
P728140	Hood - Side Entry Double Lever - with M32 Threaded Hole - Height 76mm	$61.26
P72814040	Hood - Side Entry Double Lever - with M40 Threaded Hole - Height 76mm	$85.86
P718216	Hood - Top Entry Double Lever - with M25 Threaded Hole - Height 65mm	$39.41
P718316	Hood - Top Entry Double Lever - with M32 Threaded Hole - Height 65mm	$43.95
P713616	Coupler Hood - Top Entry Double Lever - with M25 Threaded Hole - Height 70.5mm	$52.40
P753772	Coupler Hood - Top Entry Double Lever - with M32 Threaded Hole - Height 81.5mm	$80.88
P75377240	Coupler Hood - Top Entry Double Lever - with M40 Threaded Hole - Height 81.5mm	$95.46

WALL & PANEL HOUSINGS - DOUBLE LEVER - IP65

714116

714116	Panel Housing - Double Lever - Height 28mm	$38.17
P711016MS	Wall Housing with Single M25 Collar - Double Lever - Height 68mm	$59.72
P75707240MS	Wall Housing with Single M40 Collar - Double Lever - Height 84mm	$78.62

ACCESSORIES - DOUBLE LEVER

710626	Protective Cap - Single Lever - Plastic - Height 18mm	$20.04
710626AL	Protective Cap - Double Locking System - Aluminium - Height 18mm	$49.59

HOODS - SINGLE LEVER - IP65

718916

P718616	Hood - Side Entry Single Lever - with M25 Threaded Hole - Height 65mm	$42.15
P718716	Hood - Side Entry Single Lever - with M32 Threaded Hole - Height 65mm	$45.32
P72874040	Hood - Side Entry Single Lever - with M40 Threaded Hole - Height 76mm	$68.39
P718816	Hood - Top Entry Single Lever - with M25 Threaded Hole - Height 65mm	$46.63
P718916	Hood - Top Entry Single Lever - with M32 Threaded Hole - Height 65mm	$48.46
P713816	Coupler Hood - Top Entry Single Lever - with M25 Threaded Hole - Height 70.5mm	$52.19
P713916	Coupler Hood - Top Entry Single Lever - with M32 Threaded Hole - Height 70.5mm	$55.33

WALL & PANEL HOUSINGS - SINGLE LEVER - IP65

714316

714316	Panel Housing - Single Lever System - Height 27mm	$40.89
714416	Panel Housing with Spring Cover - Single Lever System - Height 27mm plus Cover	$57.29
P711416MS	Wall Housing with Single M25 Collar - Single Lever System - Height 68mm	$61.20
P711616MS	Wall Housing with Spring Cover & Single M25 Collar - Single Locking - 68mm plus Cover	$73.60

ACCESSORIES - SINGLE LEVER

710634	Protective Cap - Single Lever - Plastic - Height 18mm	$20.04
710634AL	Protective Cap - Single Lever - Aluminium - Height 18mm	$49.59

CABLE CLAMPING OPTIONS

Complete Gland

Collar

Bush set

717644	Metal Cable Gland including collar, onion ring seal and pressure rings - M25	$6.12
717645	Metal Cable Gland including collar, onion ring seal and pressure rings - M32	$9.33
717646	Metal Cable Gland including collar, onion ring seal and pressure rings - M40	$13.58
30105034	Metal Collar - Nickel Plated Brass - M25	$5.20
30105035	Metal Collar - Nickel Plated Brass - M32	$7.93
30105036	Metal Collar - Nickel Plated Brass - M40	$11.54
717638	Bush Set Complete with onion ring seal and pressure rings - M25	$4.58
717639	Bush Set Complete with onion ring seal and pressure rings - M32	$7.00
717640	Bush Set Complete with onion ring seal and pressure rings - M40	$10.59

For other Cable Clamping options please refer to Wiska product range

B24 SERIES - 24 POLE & EARTH INSERTS - 500V/16AMP

710124

710224

710124	Female Insert - 24 Pole - Screw Term. plus Wire Guard - 500V / 16A, 0.5 to 2.5 mm²	$42.79
710224	Male Insert - 24 Pole - Screw Term. plus Wire Guard - 500V / 16A, 0.5 to 2.5 mm²	$40.67
710772	Female Insert - 24 Pole - Screw Term. no Wire Guard - 500V / 16A, 0.5 to 4 mm²	$41.55
710776	Male Insert - 24 Pole - Screw Term. no Wire Guard - 500V / 16A, 0.5 to 4 mm²	$39.72
71012404	Female 24 Pole & Earth Insert Push-in Terminals, 0.5 to 25mm²	$54.02
71022404	Male 24 Pole & Earth Insert Push-in Terminals, 0.5 to 25mm²	$54.44
710 607	Coding Pin	$2.72

B24 SERIES - 24 POLE CRIMP INSERTS - 500V/16AMP

710324

710501

710511

710324	Crimp Contact Carrier for Sleeve Contacts - 24 Pole 500V, 16 Amps, 0.5 to 4 mm²	$28.31
710424	Crimp Contact Carrier for Pin Contacts - 24 Pole 500V, 16 Amps, 0.5 to 4 mm²	$27.70
710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710503	Crimp Sleeve Contacts B Series - 4.0 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
710513	Crimp Pin Contacts B Series - 4.0 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS - DOUBLE LEVER - IP65

P712124

P712024	Hood - Side Entry Double Lever - with M25 Threaded Hole - Height 65mm	$40.95
P712124	Hood - Side Entry Double Lever - with M32 Threaded Hole - Height 65mm	$43.69
P71812440	Hood - Side Entry Double Lever - with M40 Threaded Hole - Height 76mm	$77.26
P712224	Hood - Top Entry Double Lever - with M25 Threaded Hole - Height 65mm	$35.04
P718324	Hood - Top Entry Double Lever - with M32 Threaded Hole - Height 65mm	$59.48
P71832440	Hood - Top Entry Double Lever - with M40 Threaded Hole - Height 76mm	$72.59

WALL & PANEL HOUSINGS - DOUBLE LEVER - IP65

P711024MS

714124	Panel Housing - Double Lever - Height 28mm	$41.26
P711024MS	Wall Housing with Single M25 Collar - Double Lever - Height 68mm	$68.05
P757008MS	Wall Housing with Single M32 Collar - Double Lever - Height 84mm	$75.11
P75700840MS	Wall Housing with Single M40 Collar - Double Lever - Height 84mm	$91.42

HOOD - SINGLE LEVER - IP65

P712724

P712624	Hood - Side Entry Single Lever - with M25 Threaded Hole - Height 65mm	$41.87
P712724	Hood - Side Entry Single Lever - with M32 Threaded Hole - Height 65mm	$45.26
P71872440	Hood - Side Entry Single Lever - with M40 Threaded Hole - Height 76mm	$97.08
P712824	Hood - Top Entry Single Lever - with M25 Threaded Hole - Height 65mm	$44.65
P718924	Hood - Top Entry Single Lever - with M32 Threaded Hole - Height 76mm	$68.76
P71892440	Hood - Top Entry Single Lever - with M40 Threaded Hole - Height 76mm	$87.22
P753808	Coupler Hood - Top Entry Single Lever - with M25 Threaded Hole - Height 70.5mm	$71.91
P71392440	Coupler Hood - Top Entry Single Lever - with M40 Threaded Hole - Height 81.5mm	$90.84

WALL & PANEL HOUSINGS - SINGLE LEVER - IP65

714324	Panel Housing - Single Lever - Height 28mm	$42.15
P711424MS	Wall Housing with Single M25 Collar - Single Lever - Height 68mm	$65.30

CABLE CLAMPING OPTIONS

Complete Gland

Collar

Bush set

717644	Metal Cable Gland including collar, onion ring seal and pressure rings - M25	$6.12
717645	Metal Cable Gland including collar, onion ring seal and pressure rings - M32	$9.33
717646	Metal Cable Gland including collar, onion ring seal and pressure rings - M40	$13.58
30105034	Metal Collar - Nickel Plated Brass - M25	$5.20
30105035	Metal Collar - Nickel Plated Brass - M32	$7.93
30105036	Metal Collar - Nickel Plated Brass - M40	$11.54
717638	Bush Set Complete with onion ring seal and pressure rings - M25	$4.58
717639	Bush Set Complete with onion ring seal and pressure rings - M32	$7.00
717640	Bush Set Complete with onion ring seal and pressure rings - M40	$10.59

For other Cable Clamping options please refer to Wiska product range

B32 SERIES - 32 POLE & EARTH INSERTS - 500V/16AMP

710116 & 710132

710116	Female - 16 Pole & Earth Screw Insert with Wire Guard, 0.5 to 2.5 mm²	$32.97
710216	Male - 16 Pole & Earth Screw Insert with Wire Guard, 0.5 to 2.5 mm²	$31.39
710132	Female - 16 Pole & Earth Screw Insert with Wire Guard, 0.5-2.5 mm² (17-32)	$32.97
710232	Male - 16 Pole & Earth Screw Insert with Wire Guard, 0.5 to 2.5 mm² (17-32)	$31.39
710607	Coding Pin	$2.72

B32 SERIES - 32 POLE & EARTH CRIMP - 500V/16AMP

710316 & 710332

710511

710500

710316	Crimp Contact Carrier for Sleeve Contacts - 16 Pole 500V, 16 Amps, 0.5 to 4 mm²	$23.73
710416	Crimp Contact Carrier for Pin Contacts - 16 Pole 500V, 16 Amps, 0.5 to 4 mm²	$23.38
710332	Crimp Contact Carrier for Sleeve Contacts - 16 Pole 500V/16A, 0.5 to 4 mm² (17-32)	$26.16
710432	Crimp Contact Carrier for Pin Contacts - 16 Pole 500V/16A, 0.5 to 4 mm² (17-32)	$25.53
710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710503	Crimp Sleeve Contacts B Series - 4.0 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68
710513	Crimp Pin Contacts B Series - 4.0 mm²	$0.68
700734	Coding Pin suitable for Crimp Contact Carriers	$5.00

HOODS & HOUSINGS - DOUBLE LEVER - IP65

T718132	Hood - Side Entry Double Lever - with M32 Threaded Hole - Height 80mm - IP65	$100.04
T718332	Hood - Top Entry Double Lever - with M32 Threaded Hole - Height 80mm - IP65	$101.61
714132	Panel Housing - Double Lever - Height 30mm - IP65	$68.66

CABLE CLAMPING OPTIONS

Complete Gland

Bush set

717645	Metal Cable Gland including collar, onion ring seal and pressure rings - M32	$9.33
717646	Metal Cable Gland including collar, onion ring seal and pressure rings - M40	$13.58
30105035	Metal Collar - Nickel Plated Brass - M32	$7.93
30105036	Metal Collar - Nickel Plated Brass - M40	$11.54
717639	Bush Set Complete with onion ring seal and pressure rings - M32	$7.00
717640	Bush Set Complete with onion ring seal and pressure rings - M40	$10.59

For other Cable Clamping options please refer to Wiska product range

HEAVY DUTY CONNECTORS - BA6/BB

BA6 SERIES - 6 POLE & EARTH - 690V/35AMP

710621

710620	Female 6 Pole & Earth Screw Terminal Insert plus Wire Guard, 0.5 to 6 mm²	$78.18
710621	Male 6 Pole & Earth Screw Terminal Insert plus Wire Guard, 0.5 to 6 mm²	$71.12

Please select Housings from B16 Range

BB10 SERIES - 10 POLE & EARTH CRIMP INSERTS 500V/16AMP

710311	Crimp Contact Carrier for Sleeve Contacts - 10 Pole & Earth	$43.75
710411	Crimp Contact Carrier for Pin Contacts - 10 Pole & Earth	$43.75

Please select Housings from B6 Range & Crimp Inserts below

BB18 SERIES - 18 POLE & EARTH CRIMP INSERTS 500V/16AMP

710318	Crimp Contact Carrier for Sleeve Contacts - 18 Pole & Earth	$48.89
710418	Crimp Contact Carrier for Pin Contacts - 18 Pole & Earth	$48.89

Please select Housings from B10 Range & Crimp Inserts below

BB32 SERIES - 32 POLE & EARTH CRIMP INSERTS 500V/16AMP

710333	Crimp Contact Carrier for Sleeve Contacts - 32 Pole & Earth	$54.93
710433	Crimp Contact Carrier for Pin Contacts - 32 Pole & Earth	$54.93

Please select Housings from B16 Range & Crimp Inserts below

BB46 SERIES - 46 POLE & EARTH CRIMP INSERTS 500V/16AMP

710346	Crimp Contact Carrier for Sleeve Contacts - 46 Pole & Earth	$68.80
710446	Crimp Contact Carrier for Pin Contacts - 46 Pole & Earth	$68.80

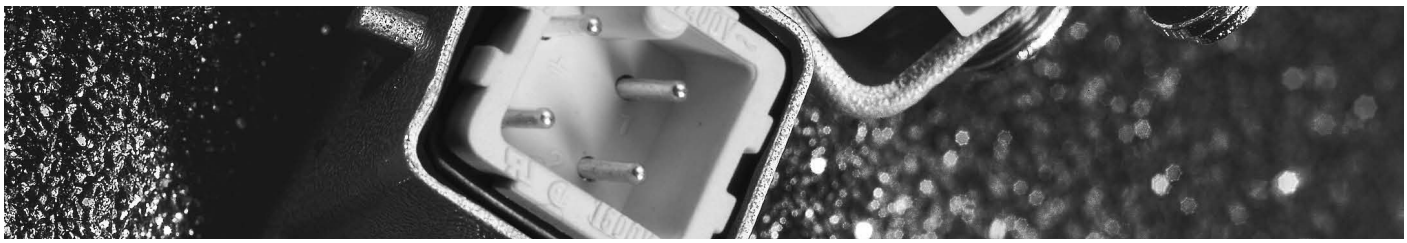
Please select Housings from B24 Range & Crimp Inserts below

CRIMP SLEEVES & PINS

710511

710500

710508	Crimp Sleeve Contact B Series - 0.14-0.37mm²	$0.68
710504	Crimp Sleeve Contact B Series - 0.5 mm²	$0.68
710509	Crimp Sleeve Contact B Series - 0.75mm²	$0.68
710500	Crimp Sleeve Contact B Series - 1 mm²	$0.68
710501	Crimp Sleeve Contact B Series - 1.5 mm²	$0.68
710502	Crimp Sleeve Contact B Series - 2.5 mm²	$0.68
710518	Crimp Pin Contact B Series - 0.14-0.37mm²	$0.68
710514	Crimp Pin Contact B Series - 0.5 mm²	$0.68
710519	Crimp Pin Contact B Series - 0.75mm²	$0.68
710510	Crimp Pin Contact B Series - 1 mm²	$0.68
710511	Crimp Pin Contact B Series - 1.5 mm²	$0.68
710512	Crimp Pin Contact B Series - 2.5 mm²	$0.68



D7/D8 SERIES - 7 POLE & EARTH/8 POLE & EARTH CRIMP INSERTS - 250V/10AMP

720307

720407

720308

720506

720307	Female 7 Pole Insert for Sleeve Contacts, 0.5 to 2.5 mm²	$7.38
720407	Male 7 Pole Insert for Sleeve Contacts, 0.5 to 1.5 mm²	$8.31
720308	Female 8 Pole Insert for Sleeve Contacts, 0.5 to 2.5 mm²	$7.38
720408	Male 8 Pole Insert for Sleeve Contacts, 0.5 to 1.5 mm²	$8.31
720506	Sleeve Contacts D Series - 0.14 - 0.37 mm²	$1.72
720507	Sleeve Contacts D Series - 0.5 mm²	$1.72
720508	Sleeve Contacts D Series - 0.75 - 1 mm²	$1.72
720509	Sleeve Contacts D Series - 1.5 mm²	$1.72
720502	Sleeve Contacts D Series - 2.5 mm²	$1.72
720516	Pin Contacts D Series - 0.14 - 0.37 mm²	$1.72
720517	Pin Contacts D Series - 0.5 mm²	$1.72
720518	Pin Contacts D Series - 0.75 - 1 mm²	$1.72
720519	Pin Contacts D Series - 1.5 mm²	$1.72
720512	Pin Contacts D Series - 2.5 mm²	$1.72

Please select Housings from A3 Range

D25 SERIES - 25 POLE & EARTH CRIMP INSERTS - 250V/10AMP

720325

72050900

720519

720325	Crimp Contact Carrier for Sleeve Contacts (female) - 25 Pole & Earth 0.14-2.5 mm²	$24.62
720425	Crimp Contact Carrier for Pin Contacts (male) - 25 Pole & Earth, 0.14 to 2.5 mm²	$24.62
720506	Sleeve Contacts D Series - 0.14 - 0.37 mm²	$1.72
720507	Sleeve Contacts D Series - 0.5 mm²	$1.72
720508	Sleeve Contacts D Series - 0.75 - 1 mm²	$1.72
720509	Sleeve Contacts D Series - 1.5 mm²	$1.72
720502	Sleeve Contacts D Series - 2.5 mm²	$1.72
720516	Pin Contacts D Series - 0.14 - 0.37 mm²	$1.72
720517	Pin Contacts D Series - 0.5 mm²	$1.72
720518	Pin Contacts D Series - 0.75 - 1 mm²	$1.72
720519	Pin Contacts D Series - 1.5 mm²	$1.72
720512	Pin Contacts D Series - 2.5 mm²	$1.72

Please select Housings from A16 Range

D40 SERIES - 40 POLE & EARTH CRIMP INSERTS - 250V/10AMP

720340

720440

720519

720340	40 Pole - Crimp Carrier Sleeve Contacts, 0.14 to 2.5 mm²	$32.64
720440	40 Pole - Crimp Carrier Pin Contacts, 0.14 to 2.5 mm²	$32.64
720506	Sleeve Contacts D Series - 0.14 - 0.37 mm²	$1.72
720507	Sleeve Contacts D Series - 0.5 mm²	$1.72
720508	Sleeve Contacts D Series - 0.75 - 1 mm²	$1.72
720509	Sleeve Contacts D Series - 1.5 mm²	$1.72
720502	Sleeve Contacts D Series - 2.5 mm²	$1.72
720516	Pin Contacts D Series - 0.14 - 0.37 mm²	$1.72
720517	Pin Contacts D Series - 0.5 mm²	$1.72
720518	Pin Contacts D Series - 0.75 - 1 mm²	$1.72
720519	Pin Contacts D Series - 1.5 mm²	$1.72
720512	Pin Contacts D Series - 2.5 mm²	$1.72

Please select Housings from B16 Range

D64 SERIES - 64 POLE & EARTH CRIMP INSERTS - 250V/10AMP

720364

720464

720519

720364	64 Pole - Crimp Carrier Sleeve Contacts, 0.14 to 2.5 mm²	$32.64
720464	64 Pole - Crimp Carrier Pin Contacts, 0.14 to 2.5 mm²	$32.64
720506	Sleeve Contacts D Series - 0.14 - 0.37 mm²	$1.72
720507	Sleeve Contacts D Series - 0.5 mm²	$1.72
720508	Sleeve Contacts D Series - 0.75 - 1 mm²	$1.72
720509	Sleeve Contacts D Series - 1.5 mm²	$1.72
720502	Sleeve Contacts D Series - 2.5 mm²	$1.72
720516	Pin Contacts D Series - 0.14 - 0.37 mm²	$1.72
720517	Pin Contacts D Series - 0.5 mm²	$1.72
720518	Pin Contacts D Series - 0.75 - 1 mm²	$1.72
720519	Pin Contacts D Series - 1.5 mm²	$1.72
720512	Pin Contacts D Series - 2.5 mm²	$1.72

Please select Housings from B24 Range

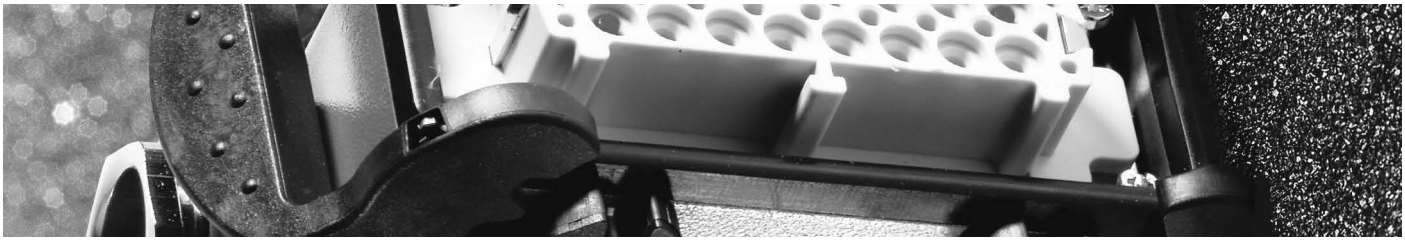
DD42 SERIES - 42 POLE & EARTH CRIMP INSERTS - 250V/10AMP

750142

750242

750142	42 Pole - Crimp Carrier Sleeve Contacts, 0.14 to 2.5 mm²	$40.67
750242	42 Pole - Crimp Carrier Pin Contacts, 0.14 to 2.5 mm²	$40.34
720506	Sleeve Contacts D Series - 0.14 - 0.37 mm²	$1.72
720507	Sleeve Contacts D Series - 0.5 mm²	$1.72
720508	Sleeve Contacts D Series - 0.75 - 1 mm²	$1.72
720509	Sleeve Contacts D Series - 1.5 mm²	$1.72
720516	Pin Contacts D Series - 0.14 - 0.37 mm²	$1.72
720517	Pin Contacts D Series - 0.5 mm²	$1.72
720518	Pin Contacts D Series - 0.75 - 1 mm²	$1.72
720519	Pin Contacts D Series - 1.5 mm²	$1.72

Please select Housings from B10 Range



TOOLS & ACCESSORIES

710613

710601 &710602

71058220	Trumpet Glands with Strain Relief and Bending Protection - M20	$23.73
71058525	Trumpet Glands with Strain Relief and Bending Protection - M25	$30.19
71058632	Trumpet Glands with Strain Relief and Bending Protection - M32	$39.41
710613	Insertion Tool for DD Style Contacts	$45.39
710614	Removal Tool for D & DD Style Contacts	$123.28
719619	Removal Tool for B & BB Style Contacts	$123.28
710601	Guiding Pin	$2.23
710602	Guiding Sleeve	$2.54

ISOFLEXX FLEXIBLE BUSBARS

Isoflexx® is an insulated and laminated busbar system made to the highest technical standards. Isoflexx is made of several layered copper lamellas protected by a special high grade PVC insulation. The loose lamellas give the Isoflexx product the maximum available flexibility. This means that Isoflexx saves space and is fast and easy to install. The operating voltages are 1000Vac and 1500Vdc and the dielectric strength is 20kV/mm. Operating temperatures are -30°C to +105°C. UL certified.

			Operating Current Values according to DIN 43671 for busbars in switchgear Heating* of busbar at an ambient temperature of 35 °C			
Product Code	Dimensions N x W x T	Cross Section mm²	65 °C △=T 30K	85 °C △=T 50K Recommended value	105 °C △=T 70K	Price per 2m length
11311000	**3x9x0.8**	21.6	98	**130**	152	**$49.51**
11311020	**6x9x0.8**	43.2	147	**196**	228	**$85.07**
11311420	**9x9x0.8**	64.8	179	**238**	277	**$123.89**
11311060	**4x15.5x0.8**	49.6	201	**267**	312	**$98.50**
11311070	**6x15.5x0.8**	74.4	252	**335**	391	**$137.42**
11311550	**2x20x1**	40	188	**250**	291	**$88.12**
11311560	**3x20x1**	60	237	**315**	367	**$118.85**
11311570	**4x20x1**	80	278	**370**	431	**$141.62**
11311530	**2x24x1**	48	201	**267**	312	**$94.62**
11311440	**3x24x1**	72	276	**367**	428	**$129.24**
11311080	**10x15.5x0.8**	124	330	**439**	512	**$208.33**
11311580	**5x20x1**	100	319	**424**	494	**$172.88**
11311590	**6x20x1**	120	355	**472**	550	**$200.36**
11311450	**4x24x1**	96	322	**428**	499	**$157.04**
11311460	**5x24x1**	120	369	**491**	572	**$188.61**
11311470	**6x24x1**	144	407	**541**	631	**$220.19**
11311500	**4x32x1**	128	418	**556**	648	**$206.44**
11311480	**8x24x1**	192	483	**642**	749	**$283.33**
11311490	**10x24x1**	240	559	**743**	866	**$345.44**
11311430	**5x32x1**	160	477	**634**	739	**$234.35**
11311510	**6x32x1**	192	526	**700**	815	**$283.75**
11311130	**5x40x1**	200	573	**763**	888	**$296.55**
11311690	**6x40x1**	240	628	**835**	1112	**$396.84**
11311520	**8x32x1**	256	623	**829**	966	**$344.70**
11311390	**10x32x1**	320	721	**959**	1118	**$403.08**
11311160	**5x50x1**	250	697	**927**	1080	**$447.92**
11311680	**6x50x1**	300	762	**1013**	1349	**$547.26**
11311150	**10x40x1**	400	850	**1131**	1318	**$589.43**
11311180	**10x50x1**	500	1020	**1357**	1581	**$837.73**
11311210	**10x63x1**	630	1180	**1569**	2089	**$1,007.67**
11311240	**10x80x1**	800	1500	**1995**	2655	**$1,209.50**
11311270	**10x100x1**	1000	1810	**2407**	3204	**$1,479.09**

Notes: Isoflexx® dimensions: N is the number of lamella in each bar, W the bar width and T is the thickness of each lamella. When using 2 bars in parallel multiply by 1.72, 3 bars by 2.25.
*The heating of the busbar is dependant on current load, ambient temperature, method of installation and field of application. The above current ratings are to be used as guidelines only.

FLEXIBLE BUSBAR ACCESSORIES

ISOFLEXX FLAT CLAMPS

Isoflexx® Flat Clamps are suitable to connect flexible busbars without drilling. Can be fixed lengthways or on a 90° angle.

Product Code	Inner Dimensions A x B (mm)	Outer Dimensions C x D (mm)	Clamp Width E (mm)	Product Number	Price Each
FAK 25x25	25 x 25	45 x 45	20	90010220	$17.30
FAK 25x50	25 x 50	45 x 70	20	90010330	$18.41
FAK 32x32	32 x 32	52 x 50	20	**90010230**	$17.30
FAK 32x63	32 x 63	52 x 82	20	90010340	$26.59
FAK 40x40	40 x 40	60 x 60	20	**90010240**	$18.78
FAK 40x63	40 x 63	60 x 82	32	90010350	$27.53
FAK 40x80	40 x 80	70 x 110	35	90010360	$28.64
FAK 50x50	50 x 50	70 x 70	20	**90010250**	$24.55

ISOFLEXX PLASTIC FIXING DEVICES

For the installation of Isoflexx® to DIN Rails of 35mm, The plastic fixing devices are halogen free, self-extinguishing, glass fibre reinforced polyamide. Type KSH51 is suitable for use with cable ties.

Product Code	Description	Product Number	Price Each
KSH 50	Complete set	**90080400**	$11.09
KSH 51	Only lower part - suitable for use with cable tie	**90080410**	$7.36

ISOFLEXX DRILLING JIG

To drill Isoflexx® without any problems - different drilling jig models according to lamella width. Supplied with different drilling units.

Product Code	Width	Drill Hole (mm)	Product Number	Price Each
BL 16	16 mm	6 / 8	**90080100**	$256.80
BL 20	20 mm	8/10/12	**90080110**	$269.76
BL 24	24 mm	8 / 10 / 12	**90080120**	$273.62
BL 32	32 mm	10 / 12	**90080130**	$279.11
BL 40	40 mm	10/12	**90080140**	$314.82
BL 50	50 mm	10/12	**90080150**	$321.34
BL 63	63 mm	10/12	**90080160**	$329.57

ISOFLEXX TOOLS

To bend Isoflexx® by hand without any problems you can use the Twisting Tool model number 90090110 pictured on the left. To bend Isoflexx® you can also use the bend mounted tool 90090100 pictured on the right. Price on application.

ULTRAFLEXX FLEXIBLE BUSBARS

Ultraflexx® Flexible busbars are highly flexible connectors manufactured from flat copper braid. Unlike similar products Ultraflexx is press-welded with a special patented process that makes the ends a solid piece of copper. These solid ends can even be machined without any problems at all. This has the advantage of the lowest possible contact resistance. It also means that these is no chance of corrosion increasing the contact resistance over time. The operating voltages are 1000Vac and 1500Vdc and the dielectric strength is 20kV/mm. Operating temperatures are -55ºC to +125ºC. Ultraflexx is UL certified.

ULTRAFLEXX 25mm² DETAILS:

25mm² Ultraflexx has a recommended current rating of 160 Amps for single conductors or 260 Amps for two conductors in parallel. Nominal current at 35ºC ambient temperature and 85ºC flexible temperature. One side has an 8.5mm hole and the other a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 25-100-8/10	20	1.4	100	113	**62150323**	**$9.02**
ULFX 25-200-8/10	20	1.4	200	223	**62151023**	**$13.95**
ULFX 25-250-8/10	20	1.4	250	272	**62151523**	**$16.26**
ULFX 25-300-8/10	20	1.4	300	322	**62151923**	**$18.46**
ULFX 25-350-8/10	20	1.4	350	372	**62152323**	**$20.72**
ULFX 25-400-8/10	20	1.4	400	422	**62152823**	**$23.08**
ULFX 25-450-8/10	20	1.4	450	472	**62153323**	**$25.18**
ULFX 25-500-8/10	20	1.4	500	522	**62153523**	**$27.48**
ULFX 25-550-8/10	20	1.4	550	572	**62153823**	**$29.79**
ULFX 25-600-8/10	20	1.4	600	622	**62154023**	**$31.99**
ULFX 25-650-8/10	20	1.4	650	672	**62154523**	**$34.30**
UFLX 25-700-8/10	20	1.4	700	722	**62155023**	**$36.51**
ULFX 25-800-8/10	20	1.4	800	822	**62156023**	**$41.12**
ULFX 25-1000-8/10	20	1.4	1000	1022	**62158023**	**$50.14**

Further options available on request

ULTRAFLEXX 50mm²

50mm² Ultraflexx has a recommended current rating of 250 Amps for single conductors or 430 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. One side has an 8.5mm hole and the other a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 50-100-8/10	20	2.9	100	115	**62250323**	**$12.48**
ULFX 50-200-8/10	20	2.9	200	225	**62251023**	**$20.04**
ULFX 50-250-8/10	20	2.9	250	275	**62251523**	**$23.50**
ULFX 50-300-8/10	20	2.9	300	325	**62251923**	**$26.96**
ULFX 50-350-8/10	20	2.9	350	375	**62252323**	**$30.42**
ULFX 50-400-8/10	20	2.9	400	425	**62252823**	**$33.78**
ULFX 50-450-8/10	20	2.9	450	475	**62253323**	**$37.34**
ULFX 50-500-8/10	20	2.9	500	525	**62253523**	**$40.81**
ULFX 50-550-8/10	20	2.9	550	575	**62253823**	**$44.27**
ULFX 50-600-8/10	20	2.9	600	625	**62254023**	**$47.62**
ULFX 50-650-8/10	20	2.9	650	675	**62254523**	**$51.19**
ULFX 50-700-8/10	20	2.9	700	725	**62255023**	**$54.55**
ULFX 50-800-8/10	20	2.9	800	825	**62256023**	**$61.58**
ULFX 50-1000-8/10	20	2.9	1000	1025	**62258023**	**$75.32**

Further options available on request

ULTRAFLEXX 100mm²

100mm² Ultraflexx has a recommended current rating of 390 Amps for single conductors or 680 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. Both sides have a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 100-200-10	20	5.9	200	225	**62551033**	**$32.10**
ULFX 100-250-10	20	5.9	250	275	**62551533**	**$38.08**
ULFX 100-300-10	20	5.9	300	325	**62551933**	**$44.06**
ULFX 100-350-10	20	5.9	350	375	**62552333**	**$50.04**
ULFX 100-400-10	20	5.9	400	425	**62552833**	**$56.02**
ULFX 100-450-10	20	5.9	450	475	**62553333**	**$61.89**
ULFX 100-500-10	20	5.9	500	525	**62553533**	**$67.98**
ULFX 100-550-10	20	5.9	550	575	**62553833**	**$73.85**
ULFX 100-600-10	20	5.9	600	625	**62554033**	**$79.83**
ULFX 100-650-10	20	5.9	650	675	**62554533**	**$85.81**
ULFX 100-700-10	20	5.9	700	725	**62555033**	**$91.79**
ULFX 100-800-10	20	5.9	800	825	**62556033**	**$103.75**
ULFX 100-1000-10	20	5.9	1000	1025	**62558033**	**$127.56**

Further options available on request

ULTRAFLEXX 120mm²

120mm² Ultraflexx has a recommended current rating of 450 Amps for single conductors or 780 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. Both sides have a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 120-200-10	32	4.4	200	230	**62651033**	**$39.86**
ULFX 120-300-10	32	4.4	300	330	**62651933**	**$54.65**
ULFX 120-350-10	32	4.4	350	375	**62552333**	**$62.05**
ULFX 120-400-10	32	4.4	400	430	**62652833**	**$69.44**
ULFX 120-450-10	32	4.4	450	475	**62553333**	**$76.89**
ULFX 120-500-10	32	4.4	500	530	**62653533**	**$84.23**
ULFX 120-550-10	32	4.4	550	580	**62653833**	**$91.68**
ULFX 120-600-10	32	4.4	600	630	**62654033**	**$99.03**
ULFX 120-650-10	32	4.4	650	680	**62654533**	**$106.47**
ULFX 120-700-10	32	4.4	700	730	**62655033**	**$113.82**
ULFX 120-800-10	32	4.4	800	830	**62656033**	**$128.61**
ULFX 120-1000-10	32	4.4	1000	1030	**62658033**	**$158.19**

Further options available on request

ULTRAFLEXX 240mm²

240mm² Ultraflexx has a recommended current rating of 700 Amps for single conductors or 1150 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. Both sides have a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 240-200-10	32	8.9	200	230	**62851033**	**$67.38**
ULFX 240-300-10	32	8.9	300	330	**62851933**	**$93.48**
ULFX 240-350-10	32	8.9	350	380	**62852333**	**$106.52**
ULFX 240-400-10	32	8.9	400	430	**62852833**	**$119.57**
ULFX 240-450-10	32	8.9	450	475	**62853333**	**$132.61**
ULFX 240-500-10	32	8.9	500	530	**62853533**	**$145.65**
ULFX 240-550-10	32	8.9	550	580	**62853833**	**$158.70**
ULFX 240-600-10	32	8.9	600	630	**62854033**	**$171.75**
ULFX 240-650-10	32	8.9	650	680	**62854533**	**$184.79**
ULFX 240-700-10	32	8.9	700	730	**62855033**	**$197.84**
ULFX 240-750-10	32	8.9	750	780	**62855533**	**$210.89**
ULFX 240-800-10	32	8.9	800	830	**62856033**	**$223.93**
ULFX 240-1000-10	32	8.9	1000	1030	**62858033**	**$276.20**

Further options available on request

MBS EARTH BRAIDS - TINNED

The MBS range of earth braids from SPS are one-of-a-kind as the ends are press-welded in a special process. This press-welding process has a world-wide patent and the braids themselves are made of highly flexible flat tinned copper material.

In switchgear with electronic devices high frequency grounding is of high importance. The main factors for earthing braids are low DC resistance and low impedance. Flat braided materials have an impedance many times lower than similar sized round cables and so are much more suitable for high frequency EMC grounding. The SPS MBS Earthing Braids also have a low transition resistance due to the special press-welding process that only SPS has available.

Product Code	Length (mm)	Hole Size	Cross Section (mm²)	Current Amps	Part Number	Price Each
MBS 6-150-6	150	M6	6	50	33015011	$7.92
MBS 6-200-6	200	M6	6	50	33020011	$8.05
MBS 10-200-6	200	M6	10	80	33120011	$8.59
MBS 10-300-6	300	M6	10	80	33130011	$9.24
MBS 16-100-6	100	M6	16	120	33210011	$8.30
MBS 16-150-6	150	M6	16	120	**33215011**	$8.98
MBS 16-200-6	200	M6	16	120	**33220011**	$9.54
MBS 16-300-6	300	M6	16	120	**33230011**	$11.40
MBS 16-100-8	100	M8	16	120	33210022	$9.11
MBS 16-150-8	150	M8	16	120	**33215022**	$8.98
MBS 16-200-8	200	M8	16	120	**33220022**	$9.54
MBS 16-250-8	250	M8	16	120	**33225022**	$10.06
MBS 16-300-8	300	M8	16	120	**33230022**	$10.58
MBS 16-500-8	500	M8	16	120	**33250022**	$14.25
MBS 25-200-10	200	M10	25	150	33320033	$12.00
MBS 25-250-10	250	M10	25	150	**33325033**	$12.93
MBS 25-300-10	300	M10	25	150	**33330033**	$13.86
MBS 50-200-10	200	M10	50	250	**33620033**	$17.56
MBS 50-250-10	250	M10	50	250	**33625033**	$19.56
MBS 50-300-10	300	M10	50	250	**33630033**	$21.63
MBS 50-250-12	250	M12	50	250	33625044	$19.56

CROMA 230A

Electronic Chime with 17 brilliant polyphone tones which includes special tone sequence for people with hearing difficulties. Supply 8/12VAC/DC or 230VAC. Can be paralleled to other chimes and features an adjustable volume control.
Colour: White/Grey

CROMA 230A - $122.96

CROMA 230-ALU

Electronic Chime with 17 brilliant polyphone tones which includes special tone sequence for people with hearing difficulties. Supply 8/12VAC/DC or 230VAC. Can be paralleled to other chimes and features an adjustable volume control.
Colour: White with Aluminium finish

CROMA 230-ALU - $156.99

CROMA 231A

Electronic Chime with 17 brilliant polyphone tones which includes special tone sequence for people with hearing difficulties. Supply 8/12VAC/DC or 230VAC. Can be paralleled to other chimes and features an adjustable volume control.
Colour: Silver/Grey

CROMA 231A - $146.76

CROMA 100A

Electronic Chime with 17 brilliant polyphone tones which includes special tone sequence for people with hearing difficulties. Supply 8/12VAC/DC or battery operation available. Can be paralleled to other chimes and features an adjustable volume control.
Colour: White with Aluminium finish

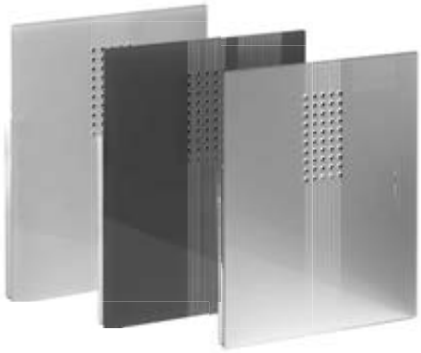
CROMA 100A - $105.03

CROMA 50

Electronic Chime with 3 tones. Battery Operated (4x1.5 C type not included). Can be paralleled to other Chimes and features an adjustable volume control.
Colour: White/Grey

CROMA 50 - $79.41

CROMA 50 ACCESSORIES



Special Acrylic Door supplied separately for the CROMA 50 in the following colours white aluminium, pastel green, and flame red.

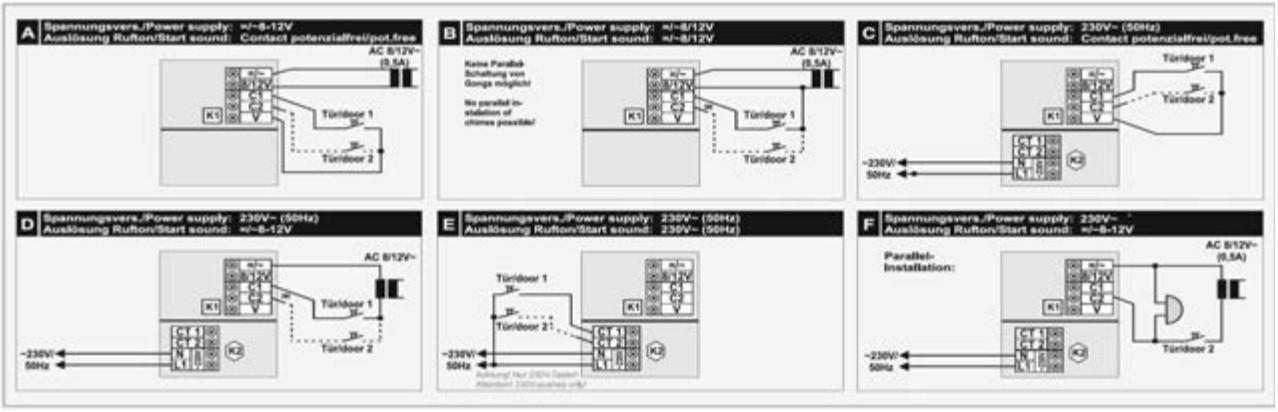
CROMA 50D-WA - $20.46
CROMA 50D-G - $20.46
CROMA 50D-R - $20.46

CHIME 225A

Electronic Chime with 3 tones. Battery Operated (4x1.5 C type not included). Can be paralleled to other Chimes and features an adjustable volume control. Timeless design.
Colour: White

Chime 225A - $112.46

INSTALLATION GUIDE - CROMA 230



CHIME 065

Electromechanical 2 Tone Chime for operation with an external transformer or a 9V D type battery (not included).
Colour: Silver triangle/White

Chime 065 - $86.26

CHIME 665

Electromechanical 2 Tone Chime for operation with an external transformer or a 9V D type battery (not included).
Colour: Blue square/White

Chime 665 - $53.79

CHIME 565

Electromechanical 2 Tone Chime for operation with an external transformer or a 9V D type battery (not included).
Colour: Silver square/White

Chime 565 - $86.26

CHIME 569W

Electromechanical 2 Tone Chime for operation with an external transformer or 4x1.5V C type batteries (not included).
Colour: White

Chime 569W - $56.36

CHIME 169TrW

Electromechanical 2 Tone Chime with integrated 230VAC transformer.
Colour: White

Chime 169TRw - $111.44

BELL LTW 1101A

Bell with white plastic housing. 8VAC supply 84dB output.

LTW 1101A - $23.06

ETA S 100

Stainless steel circular door chime push button in solid design

ETA-S-100 - $234.18
ETA-S-100W with white LED - POA
ETA-S-100B with blue LED - POA

ETA S 200

Stainless steel square design door chime push button in solid design

ETA-S-200 - $310.38
ETA-S-200W with white LED - POA
ETA-S-200B with blue LED - POA

ETA S 102

Door Chime push button made of stainless steel material - circular design

ETA-S-102 - $200.36

ETA S 202

Door Chime push button made of stainless steel material - square design

ETA-S-202 - $200.36

MARDAG

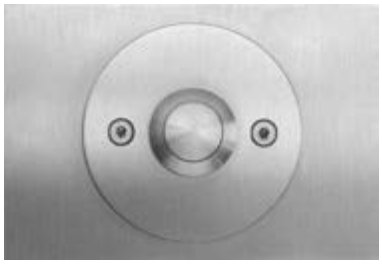
Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: CP4

ETA S 302

Door Chime push button made of stainless steel material - oval design

ETA-S-302 - $200.36

ETA S 402



Door Chime push button made of stainless steel material rectangular design

ETA-S-402 - $200.36

ETA 2310

Surface mounted cast brass door chime push button - brushed brass finish

ETA-2310 - $61.35

ETA S 2312

Surface mounted cast brass door chime push button - textured and burnished brass finish

ETA-2312 - $61.35

MONTILUX

Surface mounted plastic weatherproof door chime push button with illuminated name strip.

Montilux - $16.53

ETA 2132 & ETA 2122

Surface mounted plastic weatherproof door chime push button with name strip.

ETA-2132 illuminated - $20.72
ETA-2122 non-illuminated - $16.53

KKO SERIES

Surface mounted plastic weatherproof door chime push button - non-illuminated
Colours: White / Silver with Black push button

KKO-2001 (White) - $9.48
KKO-2001-S (Silver/Black) - $25.36

KKO L SERIES

Surface mounted plastic weatherproof door chime push button - with LED illumination
Colour: White and Silver

KKO-L-2001 (White) - $18.13
KKO-L-2001-S (Silver) - $32.79

KKO 2005 SERIES

Low cost surface mounted door chime push button
Colours: White and Black with White

KKO-2005 (White) - $4.14
KKO-2005B (Black/White) - $4.14

GT 50810

Bell Transformer with Fail-safe. 230VAC input with 8VAC (1.0A) output. 2 Modules wide.

GT 50810 - $55.26

GT 1965

Bell transformer with fail safe. 230VAC input with 8VAC (2.0A) output. 2 Modules wide

GT 1965 - $67.89

GT 36 AP

Surface mounted installation kit for GT 50810 and GT1965 safety transformers

GT 36 AP - $2.42

WIRELESS DOOR CHIMES

GROTHE

MISTRAL 300M

Wireless door chime set with a range of 250m or expandable with distance booster option. Includes 17 melodies and LED flash indicator. Transmitter push button is waterproof (IP54).

MISTRAL 300M - $265.75

MISTRAL 200M

Wireless door chime set with a range of 250m (not expandable, without distance booster option). Includes 17 melodies but without LED flash indicator. Transmitter push button is waterproof (IP54).

MISTRAL 200M - $199.33

MISTRAL 300E

Wireless door chime without transmitter push button. Includes 17 melodies and LED flash indicator.

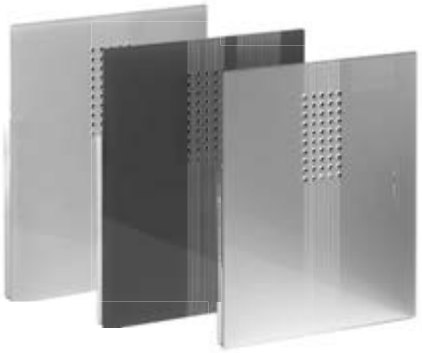
MISTRAL 300E - $179.19

MISTRAL 300M(E)BM

Wireless chime set with a range of 200m or expandable with distance booster option. Includes 17 melodies and LED flash indicator. Transmitter push button not included - instead a movement detector with a maximum monitoring range of 108° at 15m is supplied to trigger the chime. Indoor use only.

MISTRAL 300M(E)BM - $398.43

MISTRAL REPLACEMENT DOORS



Special coloured doors supplied separately for the Mistral Series Door Chimes. Available in the following colours - white aluminium , pastel green and flame red

Mistral D-W/A - $20.46
Mistral D-G - $20.46
Mistral D-R - $20.46

MISTRAL TRANSITTER PUSH BUTTON - IP54

Transmitter push button for all Mistral Chimes with a 250m range (IP54).
Colour: white and anthracite/silver

Mistral SE 03.0 (white) - $66.44
Mistral SE 03.0 S (anthracite/silver) - $66.44

MISTRAL POWER TRANSITTER PUSH BUTTON - IP54

Transmitter push button for all Mistral Chimes with a 500m range (IP54).
Colour: anthracite/silver

Mistral PSE 04.0 S (anthracite/silver) - $104.23

MISTRAL MOVEMENT DETECTOR TRANSMITTER

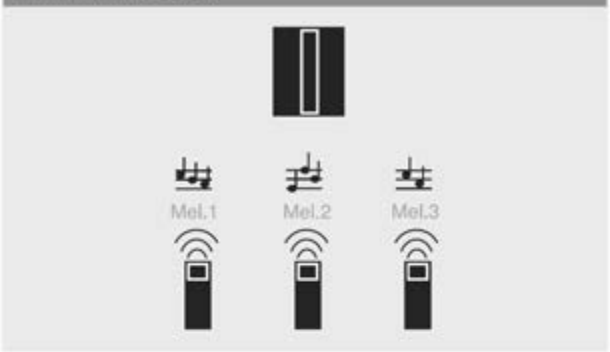
Movement detector transmitter suitable for Mistral Chimes with a 200m transmission range. Maximum monitoring range is 108° at 15m. For indoor use only.

Mistral BM 03.0 - $202.69

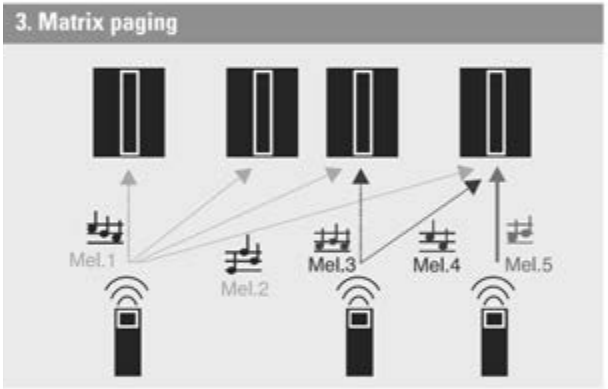
MISTRAL TECHNICAL INFORMATION

1. Central paging

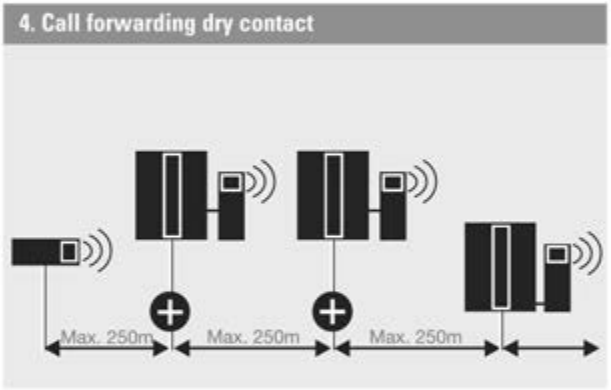
2. Individual paging



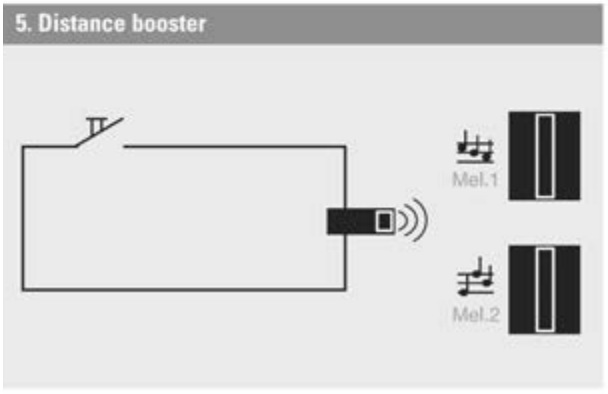
3. Matrix paging



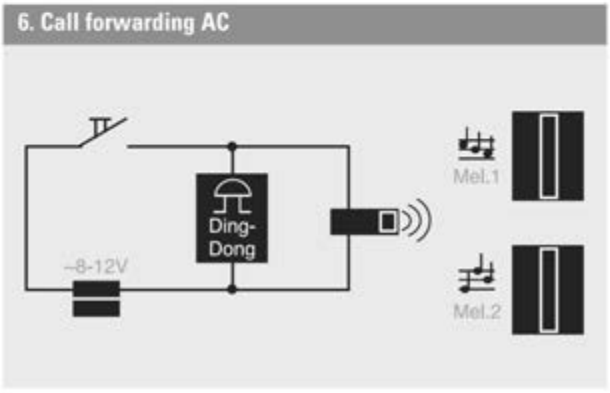
4. Call forwarding dry contact



5. Distance booster



6. Call forwarding AC



MARDAG

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: CP4

BOOTLACE FERRULES - SINGLES

DIN STANDARD FERRULES - SMALL PACKET

H0.5/8W	Ferrule 0.5mm² - length 8/14mm - White	V30AE005117	100	$4.29
H0.75/8GR	Ferrule 0.75mm² - length 8/14mm - Grey	V30AE005119	100	$4.29
H1.0/8R	Ferrule 1.0mm² - length 8/14mm - Red	V30AE005122	100	$4.29
H1.5/8BL	Ferrule 1.5mm² - length 8/14mm - Black	V30AE005124	100	$4.29
H2.5/18B	Ferrule 2.5mm² - length 18/25mm - Blue	V30AE000054	500	$37.17
H2.5/8B	Ferrule 2.5mm² - length 8/15mm - Blue	V30AE000083	100	$5.21
H2.5/12B	Ferrule 2.5mm² - length 12/19mm - Blue	V30AE006233	100	$7.83
H4.0/10GR	Ferrule 4.0mm² - length 10/18mm - Grey	V30AE000589	50	$3.79
H6.0/12Y	Ferrule 6.0m² - length 12/20mm - Yellow	V30AE000058	100	$9.83
H10.0/12R	Ferrule 10.0mm² - length 12/22mm - Red	V30AE000060	100	$12.39
H10.0/18R	Ferrule 10.0mm² - length 18/28mm - Red	V30AE000061	100	$14.95
H16.0/12B	Ferrule 16.0mm² - length 12/22mm - Blue	V30AE000062	100	$15.26
H16.0/18B	Ferrule 16.0mm² - length 18/28mm - Blue	V30AE000063	100	$30.53
H25.0/16Y	Ferrule 25.0mm² - length 16/30mm - Yellow	V30AE000064	50	$15.69
H35.0/16R	Ferrule 35.0mm² - length 16/30mm - Red	V30AE000067	50	$20.74
H50.0/20B	Ferrule 50.0mm² - length 20/36mm - Blue	V30AE000070	50	$32.08

DIN STANDARD FERRULES - OTHER PACKET SIZES

H0.25/8Y	Ferrule 0.25mm² - length 8/12mm - Yellow (NC)	V30AE001645	500	$37.50
H0.34/8Y	Ferrule 0.34mm² - length 8/12mm - Yellow (NC)	V30AE006677	500	$37.50
H0.5/10W	Ferrule 0.5mm² - length 10/16mm - White	V30AE006656	500	$24.82
H0.5/12W	Ferrule 0.5mm² - length 12/18mm - White	V30AE003847	500	$26.83
H0.75/10GR	Ferrule 0.75mm² - length 10/16mm - Grey	V30AE006601	500	$24.82
H0.75/12GR	Ferrule 0.75mm² - length 12/18mm - Grey	V30AE003849	500	$26.83
H1.0/10R	Ferrule 1.0mm² - length 10/16mm - Red	V30AE003756	500	$24.82
H1.0/12R	Ferrule 1.0mm² - length 12/18mm - Red	V30AE003852	500	$26.83
H1.5/12BL	Ferrule 1.5mm² - length 12/18mm - Black	V30AE003854	500	$29.29

GERMAN (Z+F) STANDARD FERRULES - SMALL PACKET

H0.25/6LB	Ferrule 0.25mm² - length 6/10mm - Light Blue (NC)	V30AE000072	100	$6.66
H0.25/12LB	Ferrule 0.37mm² - length 12/16mm - Light Blue	V30AE006219	100	$14.37
H0.34/6T	Ferrule 0.37mm² - length 6/11mm - Turquoise	V30AE003639	100	$6.66
H0.34/8T	Ferrule 0.34mm² - length 6/11mm - Turquoise	V30AE003641	100	$6.66
H0.34/12T	Ferrule 0.37mm² - length 12/16mm - Turquoise	V30AE006221	100	$8.60
H0.5/8O	Ferrule 0.5mm² - length 8/14mm - Orange	V30AE005116	100	$4.29
H0.75/8W	Ferrule 0.75mm² - length 8/14mm - White	V30AE005118	100	$4.29
H1.0/8Y	Ferrule 1.0mm² - length 8/14mm - Yellow	V30AE005121	100	$4.29
H1.5/8R	Ferrule 1.5mm² - length 8/14mm - Red	V30AE005123	100	$4.29
H2.5/8B	Ferrule 2.5mm² - length 8/15mm - Blue	V30AE000083	100	$5.21
H2.5/12B	Ferrule 2.5mm² - length 12/19mm - Blue	V30AE006233	100	$7.83
H4.0/10GR	Ferrule 4.0mm² - length 10/18mm - Grey	V30AE000589	50	$3.79
H6.0/12BL	Ferrule 6.0m² - length 12/20mm - Black	V30AE000025	100	$9.83

BOOTLACE FERRULES - SINGLES

GERMAN (Z+F) STANDARD FERRULES - SMALL PACKET - continued

H10.0/12I	Ferrule 10.0mm² - length 12/22mm - Ivory	V30AE000027	100	$12.39
H10.0/18I	Ferrule 10.0mm² - length 18/28mm - Ivory	V30AE000028	100	$14.95
H16.0/12G	Ferrule 16.0mm² - length 12/22mm - Green	V30AE000029	100	$15.26
H25.0/16BR	Ferrule 25.0mm² - length 16/30mm - Brown	V30AE000031	50	$15.69
H35.0/16BE	Ferrule 35.0mm² - length 16/30mm - Beige	V30AE000033	50	$20.74
H50.0/20OL	Ferrule 50.0mm² - length 20/36mm - Olive	V30AE000035	50	$32.08
H70.0/21Y	Ferrule 70.0mm² - length 21/37mm - Yellow	V30AE001658	25	$21.92
H95.0/25R	Ferrule 95.0mm² - length 25/44mm - Red	V30AE001659	25	$32.85
H120.0/30B	Ferrule 120.0mm² - length 30/50mm - Blue	V30AE002896	25	$38.67
H150.0/32Y	Ferrule 150.0mm² - length 32/54mm - Yello	V30AE003102	25	$41.31

GERMAN (Z+F) STANDARD FERRULES - OTHER PACKET SIZES

H0.5/10O	Ferrule 0.5mm² - length 10/16mm - Orange	V30AE003755	500	$24.82
H0.5/12O	Ferrule 0.5mm² - length 12/18mm - Orange	V30AE003846	500	$26.83
H0.75/10W	Ferrule 0.75mm² - length 10/16mm - White	V30AE006689	500	$24.82
H0.75/12W	Ferrule 0.75mm² - length 12/18mm - White	V30AE003848	500	$26.83
H1.0/10Y	Ferrule 1.0mm² - length 10/16mm - Yellow	V30AE006695	500	$24.82
H1.0/12Y	Ferrule 1.0mm² - length 12/18mm - Yellow	V30AE003851	500	$26.83
H1.5/12R	Ferrule 1.5mm² - length 12/18mm - Red	V30AE003853	500	$29.29
H2.5/18B	Ferrule 2.5mm² - length 18/25mm - Blue	V30AE000054	500	$37.17

KDS STANDARD FERRULES - SMALL PACKET

H0.5/8W	Ferrule 0.5mm² - length 8/14mm - White	V30AE005117	100	$4.29
H0.75/8LB	Ferrule 0.75mm² - length 8/14mm - Light Blue	V30AE005120	100	$4.29
H1.0/8R	Ferrule 1.0mm² - length 8/14mm - Red	V30AE005122	100	$4.29
H1.5/8BL	Ferrule 1.5mm² - length 8/14mm - Black	V30AE005124	100	$4.29
H2.5/8GR	Ferrule 2.5mm² - length 8/15mm - Grey	V30AE000620	100	$5.21
H4.0/10O	Ferrule 4.0mm² - length 10/18mm - Orange	V30AE000621	50	$3.79
H6.0/12G	Ferrule 6.0m² - length 12/20mm - Green	V30AE000540	100	$9.83
H35.0/16BE	Ferrule 35.0mm² - length 16/30mm - Beige	V30AE000033	50	$20.74
H50.0/20OL	Ferrule 50.0mm² - length 20/36mm - Olive	V30AE000035	50	$32.08

KDS STANDARD FERRULES - OTHER PACKET SIZES

H0.5/10W	Ferrule 0.5mm² - length 10/16mm - White	V30AE006656	500	$24.82
H0.5/12W	Ferrule 0.5mm² - length 12/18mm - White	V30AE003847	500	$26.83
H1.0/10R	Ferrule 1.0mm² - length 10/16mm - Red	V30AR003756	500	$24.82
H1.0/12R	Ferrule 1.0mm² - length 12/18mm - Red	V30AE003852	500	$26.83
H1.5/12BL	Ferrule 1.5mm² - length 12/18mm - Black	V30AE003854	500	$29.29

BOOTLACE FERRULES - DOUBLE

DIN STANDARD DOUBLE BOOTLACE FERRULES

H2x0.5/8W	Ferrule 2 x 0.5mm² - length 8/14 - White	V30AE000992	100	$9.96
H2x0.5/12W	Ferrule 2 x 0.5mm² - length 12/18 - White	V30AE001036	100	$13.20
H2x0.75/8GR	Ferrule 2 x 0.75mm² - length 8/14 - Grey	V30AE000560	100	$10.49
H2x0.75/12GR	Ferrule 2 x 0.75mm² - length 12/18 - Grey	V30AE006247	100	$13.20
H2x1.0/8R	Ferrule 2 x 1.0mm² - length 8/15 - Red	V30AE000561	100	$10.49
H2x1.0/12R	Ferrule 2 x 1.0mm² - length 12/19 - Red	V30AE000722	100	$13.20
H2x1.5/8BL	Ferrule 2 x 1.5mm² - length 8/16 - Black	V30AE000624	100	$10.49
H2x1.5/12BL	Ferrule 2 x 1.5mm² - length 12/20 - Black	V30AE000724	100	$13.20
H2x1.5/18BL	Ferrule 2 x 1.5mm² - length 18/26 - Black	V30AE000745	100	$19.47
H2x2.5/10B	Ferrule 2 x 2.5mm² - length 10/19 - Blue	V30AE000605	50	$6.43
H2x2.5/12B	Ferrule 2 x 2.5mm² - length 12/21 - Blue	V30AE000747	50	$7.82
H2x2.5/18B	Ferrule 2 x 2.5mm² - length 18/27 - Blue	V30AE000750	100	$24.70
H2x4.0/12GR	Ferrule 2 x 4.0mm² - length 12/22 - Grey	V30AE001148	100	$29.19
H2x6.0/12Y	Ferrule 2 x 6.0mm² - length 12/23 - Yellow	V30AE001150	100	$34.62
H2x10.0/12R	Ferrule 2 x 10.0mm² - length 12/24 - Red	V30AE001152	100	$43.79
H2x16.0/16B	Ferrule 2 x 16.0mm² - length 16/29 - Blue	V30AE001154	50	$26.23

GERMAN (Z+F) STANDARD DOUBLE BOOTLACE FERRULES

H2x0.5/8O	Ferrule 2 x 0.5mm² - length 8/12 - Orange	V30AE000980	100	$9.96
H2x0.75/8W	Ferrule 2 x 0.75mm² - length 8/14 - White	V30AE000558	100	$10.49
H2x0.75/10W	Ferrule 2 x 0.75mm² - length 10/16 - White	V30AE000719	100	$15.77
H2x1.0/8Y	Ferrule 2 x 1.0mm² - length 8/15 - Yellow	V30AE000559	100	$10.49
H2x1.0/12Y	Ferrule 2 x 1.0mm² - length 12/19 - Yellow	V30AE000721	100	$13.20
H2x1.5/8R	Ferrule 2 x 1.5mm² - length 8/16 - Red	V30AE000622	100	$10.49
H2x1.5/12R	Ferrule 2 x 1.5mm² - length 12/20 - Red	V30AE000723	100	$13.20
H2x2.5/10B	Ferrule 2 x 2.5mm² - length 10/19 - Blue	V30AE000605	50	$6.43
H2x2.5/12B	Ferrule 2 x 2.5mm² - length 12/21 - Blue	V30AE000747	50	$7.82
H2x2.5/18B	Ferrule 2 x 2.5mm² - length 18/27 - Blue	V30AE000750	100	$24.70
H2x4.0/12GR	Ferrule 2 x 4.0mm² - length 12/22 - Grey	V30AE001148	100	$29.19
H2x6.0/12BL	Ferrule 2 x 6.0mm² - length 12/23 - Black	V30AE001139	100	$34.62
H2x10.0/12I	Ferrule 2 x 10.0mm² - length 12/24 - Ivory	V30AE001141	100	$43.79
H2x16.0/16G	Ferrule 2 x 16.0mm² - length 16/29 - Green	V30AE001143	50	$26.23

KDS STANDARD DOUBLE BOOTLACE FERRULES

H2x0.5/8W	Ferrule 2 x 0.5mm² - length 8/14 - White	V30AE000992	100	$9.96
H2x0.5/12W	Ferrule 2 x 0.5mm² - length 12/18 - White	V30AE001036	100	$13.20
H2x1.0/8R	Ferrule 2 x 1.0mm² - length 8/15 - Red	V30AE000561	100	$10.49
H2x1.0/12R	Ferrule 2 x 1.0mm² - length 12/19 - Red	V30AE000722	100	$13.20
H2x1.5/8BL	Ferrule 2 x 1.5mm² - length 8/16 - Black	V30AE000624	100	$10.49
H2x1.5/12BL	Ferrule 2 x 1.5mm² - length 12/20 - Black	V30AE000724	100	$13.20
H2x1.5/18BL	Ferrule 2 x 1.5mm² - length 18/26 - Black	V30AE000745	100	$19.47

BOOTLACE FERRULES - ROLLS / STRIPS

DIN STANDARD BOOTLACE FERRULES IN ROLLS

H0.5/8/5000W	Ferrule 0.5mm² - length of uninsulated comp. 8mm - White	V30MA000033	5000	$250.31
H0.75/8/5000GR	Ferrule 0.75mm² - length of uninsulated comp. 8mm - Grey	V30MA000035	5000	$250.31
H1.0/8/5000R	Ferrule 1.0mm² - length of uninsulated comp. 8mm - Red	V30MA000038	5000	$250.31
H1.5/8/5000BL	Ferrule 1.5mm² - length of uninsulated comp. 8mm - Black	V30MA000040	5000	$250.31
H2.5/8/3000B	Ferrule 2.5mm² - length of uninsulated comp. 8mm - Blue	V30MA000030	3000	$168.94

GERMAN (Z+F) STANDARD BOOTLACE FERRULES IN ROLLS

H0.34/8/5000T	Ferrule 0.34mm² - length of uninsulated comp. 8mm - Turquoise	V30MA000032	5000	$306.14
H0.5/8/5000O	Ferrule 0.5mm² - length of uninsulated comp. 8mm - Orange	V30MA000034	5000	$250.31
H0.75/8/5000W	Ferrule 0.75mm² - length of uninsulated comp. 8mm - White	V30MA000036	5000	$250.31
H1.0/8/5000Y	Ferrule 1.0mm² - length of uninsulated comp. 8mm - Yellow	V30MA000039	5000	$250.31
H1.5/8/5000R	Ferrule 1.5mm² - length of uninsulated comp. 8mm - Red	V30MA000041	5000	$250.31
H2.5/8/3000B	Ferrule 2.5mm² - length of uninsulated comp. 8mm - Blue	V30MA000030	3000	$168.94

KDS STANDARD BOOTLACE FERRULES IN ROLLS

H0.5/8/5000W	Ferrule 0.5mm² - length of uninsulated comp. 8mm - White	V30MA000033	5000	$250.31
H1.0/8/5000R	Ferrule 1.0mm² - length of uninsulated comp. 8mm - Red	V30MA000038	5000	$250.31
H1.5/8/5000BL	Ferrule 1.5mm² - length of uninsulated comp. 8mm - Black	V30MA000040	5000	$250.31

DIN STANDARD BOOTLACE FERRULES IN STRIPS (10 x 50)

H0.5/8/500W	Ferrule 0.5mm² - length of uninsulated comp. 8mm - White	V30MA000069	10x50	$24.59
H0.75/8/500GR	Ferrule 0.75mm² - length of uninsulated comp. 8mm - Grey	V30MA000071	10x50	$24.59
H1.0/8/500R	Ferrule 1.0mm² - length of uninsulated comp. 8mm - Red	V30MA000074	10x50	$24.59
H1.5/8/500BL	Ferrule 1.5mm² - length of uninsulated comp. 8mm - Black	V30MA000076	10x50	$24.59
H2.5/8/500B	Ferrule 2.5mm² - length of uninsulated comp. 8mm - Blue	V30MA000078	10x50	$25.41

GERMAN (Z+F) STANDARD BOOTLACE FERRULES IN STRIPS (10 x 50)

H0.5/8/500O	Ferrule 0.5mm² - length of uninsulated comp. 8mm - Orange	V30MA000070	10x50	$24.59
H0.75/8/500W	Ferrule 0.75mm² - length of uninsulated comp. 8mm - White	V30MA000072	10x50	$24.59
H1.0/8/500Y	Ferrule 1.0mm² - length of uninsulated comp. 8mm - Yellow	V30MA000075	10x50	$24.59
H1.5/8/500R	Ferrule 1.5mm² - length of uninsulated comp. 8mm - Red	V30MA000077	10x50	$24.59
H2.5/8/500B	Ferrule 2.5mm² - length of uninsulated comp. 8mm - Blue	V30MA000078	10x50	$25.41

UNINSULATED BOOTLACE FERRULES

H0.5/6	Uninsulated Ferrule 0.5mm² - length 6mm	V30AE009048	1000	$22.68
H0.75/6	Uninsulated Ferrule 0.75mm² - length 6mm	V30AE009050	1000	$24.02
H1.0/6	Uninsulated Ferrule 1.0mm² - length 6mm	V30AE009052	1000	$25.38
H1.0/10	Uninsulated Ferrule 1.0mm² - length 10mm	V30AE009053	1000	$29.89
H1.5/7	Uninsulated Ferrule 1.5mm² - length 7mm	V30AE009054	1000	$26.33
H1.5/10	Uninsulated Ferrule 1.5mm² - length 10mm	V30AE009055	1000	$30.77
H2.5/7	Uninsulated Ferrule 2.5mm² - length 7mm	V30AE009058	1000	$29.42
H2.5/12	Uninsulated Ferrule 2.5mm² - length 12mm	V30AE009060	1000	$38.36
H4.0/9	Uninsulated Ferrule 4.0mm² - length 9mm	V30AE009062	500	$19.18
H6.0/12	Uninsulated Ferrule 6.0mm² - length 12mm	V30AE009067	500	$30.00
H10.0/12	Uninsulated Ferrule 10.0mm² - length 12mm	V30AE009070	500	$34.50
H10.0/15	Uninsulated Ferrule 10.0mm² - length 15mm	V30AE009071	500	$40.09
H10.0/18	Uninsulated Ferrule 10.0mm² - length 18mm	V30AE009072	500	$46.18
H16.0/12	Uninsulated Ferrule 16.0mm² - length 12mm	V30AE009073	500	$55.10
H16.0/15	Uninsulated Ferrule 16.0mm² - length 15mm	V30AE009074	500	$66.77
H16.0/18	Uninsulated Ferrule 16.0mm² - length 18mm	V30AE009075	100	$15.41
H25.0/18	Uninsulated Ferrule 25.0mm² - length 18mm	V30AE009079	100	$19.10
H35.0/18	Uninsulated Ferrule 35.0mm² - length 18mm	V30AE009082	100	$20.59
H35.0/32	Uninsulated Ferrule 35.0mm² - length 32mm	V30AE009085	100	$30.05
H50.0/32	Uninsulated Ferrule 50.0mm² - length 32mm	V30AE009088	100	$101.10
H70.0/25	Uninsulated Ferrule 70.0mm² - length 25mm	V30AE009089	50	$31.88
H95.0/32	Uninsulated Ferrule 95.0mm² - length 32mm	V30AE009092	50	$42.40
H120.0/32	Uninsulated Ferrule 120.0mm² - length 32mm	V30AE009371	25	$32.36
H150.0/32	Uninsulated Ferrule 150.0mm² - length 32mm	V30AE009393	25	$50.55
H185.0/32	Uninsulated Ferrule 185.0mm² - length 32mm	V30AE009397	25	$64.81

BOOTLACE FERRULE COLLECTION BOXES

V30SO000018	Empty Bootlace Ferrule Collection Box - 5 divisions	$11.55
V30SO000015	Empty Bootlace Ferrule Collection Box - 5 coloured divisions	$12.40
V30SO000041	DIN Std Ferrule Collection Box with 50x0.5, 100x0.75, 100x1.0, 100x1.5 & 50x2.5	$38.75
V30SO000070	DIN Std Ferrule Collection Box with 50x0.5, 50x0.75, 50x1.0, 50x1.5 & 25x2.5 **Twin**	$48.93
V30SO000001	German (Z+F) Std Ferrule Box with 50x0.5, 100x0.75, 100x1.0, 100x1.5 & 50x2.5	$38.75
V30SO000069	German (Z+F) Std Ferrule Box with 50x0.5, 50x0.75, 50x1.0, 50x1.5 & 25x2.5 **Twin**	$48.93

BOOTLACE FERRULE TOOLS

Crimpit F6L

CrimpitFMulti	Ferrule Multifunction Crimp Tool - Cut, Strip & Crimp 0.5 to 2.5mm² - Medium Use	$521.69
CrimpitF6L	Crimp Tool - 0.5 to 6mm² - Heavy Use	$156.16
CrimpitF16L	Crimp Tool - 6 to 16mm² - Heavy Use	$156.16
CrimpitF25L	Crimp Tool - 6 to 25mm² as well as Double Ferrules 4, 6 & 10mm² - Heavy Use	$156.22
CrimpitF50L	Crimp Tool - 35 to 50mm² as well as Double Ferrules 16mm² - Heavy Use	$156.22

QUADRO BOOTLACE FERRULE TOOL

Multi-Talented QUADRO

The unmatched integration of four different functions: Cutting - Insulation Stripping - Twisting - Crimping. The quick reloading of connector sleeves by switching magazines enables fast and efficient work. Sleeves are in strip format. Cable sizes from 0.5 to 2.5mm²

Jokari Quadro - $543.64
Jokari Quadro Set - $629.40
Quadro Catridge - $22.11

WIRE STRIPPER - JOKARI 20090

No. 6-16²

Automatic wire stripper for conductor cables with diameters from 6 to 16 mm². Also suitable for stripping the sheathing of PVC Flex 3 x 0.75 mm² and solar cables (e.g. Solarflex®, Energyflex). No diameter adjustments required.

Jokari 20090 - $166.53

SENSOR WIRE STRIPPER - JOKARI 20300

Sensor Special

Automatic wire stripper for stripping combination cables for sensor & actuator connections. The internal conductors and shielding are not cut or damaged. 3 to 8 strand sensor & actuator cables with PUR or PVC insulation - shielded or unshielded (e.g. 3 x 0.34mm² unshielded to 8 x 0.25mm² shielded).

Jokari 20300 - $239.17

FLAT CABLE STRIPPER - JOKARI 20030

Flat Cable Stripper

Automatic stripper for PVC-insulated flat cables with widths of up to 12mm and cross sections from 0.75 to 2.5mm². Removes the external sheathing an internal insulation. No adjustments required.

Jokari 20030 - $136.37

MARDAG

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: CP1

WIRE STRIPPER - JOKARI 20050

Super 4 Plus

Ergonomic, automatic wire stripper for diameters from 0.2 to 6mm². Wire cutter for diameters of up to 2.5 mm². Length stopper adjustable from 6 to 15mm. Plier handle design with lockable grip.

Jokari 20050 - $37.30

AS INTERFACE WIRE STRIPPER - JOKARI 20070

AS-Interface Special

Automatic wire stripper AS-Interface cables with PUR or TPE insulation. The internal conductors are fully protected.

Jokari 20070 - $193.12

SPECIAL INSULATION WIRE STRIPPER - JOKARI 20450

High Strip

Automatic wire stripper for conductors with problematic types of insulation such as rubber, silicone, TPE and similar with cable diameters of 0.5 to 4mm². Includes an adjustable length stop of 5 to 15mm.

Jokari 20450 - $138.94

JOKARI 10350

No. 35 Standard

Proven a million times over, the JOKARI cable knife is the tool of choice for stripping all standard round cables. Each JOKARI cable knife benefits from special Titanium-nitrate coating (TIN) to achieve longer life, faster cutting and less wear. A practical extra is the spare blade with TIN coating included in the handle. 27-35 mm

Jokari 10350 -$42.48

JOKARI 10160

No. 16 Secura

Protection cap with hood and large adjustment screw. With its protection cap, the SECURA cable knife can be handled perfectly. The large adjustment screw (0 > 23%) allows for effortless adjustments. 4-16 mm

Jokari 10160 - $36.19

JOKARI 10270

No. 27 Secura

Cable Knife SECURA 2-Component Design. The unique feature of this knife is the slip-proof handle grip with soft thumb protector. The user benefits from a more secure grip achieved by the non-slip padding. 8-28 mm

Jokari 10270 - $36.19

JOKARI 10280

No. 8H Secura

SECURA 2–Component design with hooked blade, 8-28 mm

Jokari 10280 - $40.39

MARDAG

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: CP1

CABLE STRIPPERS

STRIPPER PLUS KNIFE - JOKARI 30155

Secura No. 15

Cable Stripper for circular cables 8-13mm in diameter. Locking mechanism prevents unwanted opening of tool. Secure non-slip grips. Precise straight longitudinal cuts. Blade positioning designed to stop stripped cable waste from jamming the tool.

Jokari 30155 - $59.18

PVC CABLE STRIPPER - JOKARI 30140

No. 14 Strip

Stripper tool for all standard PVC insulated round cables with diameters for 4-13 mm diameter as well as flat cables with widths of up to 12 mm. With stripper blade for individual cable strands and cutting cables.

Jokari 30140 - $34.49

COAX CABLE STRIPPER - JOKARI 30600

Secura Coaxi No. 1

Cable stripper for all standard coaxial cables with diameters from 4.8 to 7.5 mm. Secure grip with non-slip grips. Includes a length scale and has tin-coated blades.

Jokari 30600 - $31.21

COAX CABLE STRIPPER - JOKARI 30100

Top Coax

Cable stripper for all standard coaxial cables. Integrated length scale from 5 to 20 mm. Range: round cables with diameters from 4.8 to 7.5 mm. Tin-coated blades.

Jokari 30100 - $40.49

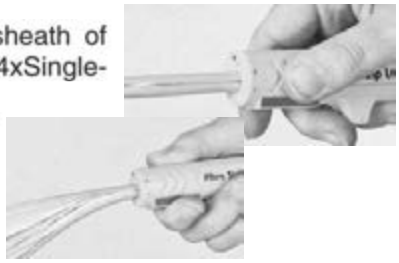
CABLE STRIPPERS

FIBRE CABLE STRIPPER - JOKARI 30800

Fibre-Strip LC

Stripping tool to slit open the outer sheath of fibre optic cables (for example I-VHH 24xSingle-mode) with a diameter of 8.2mm. Also has a durable and ergonomically designed pocket clip,

Jokari 30800 - $100.55



FIBRE CABLE STRIPPER - JOKARI 30700

Fibre-Strip DC

Stripping tool for fibre optic cables for example, DAC-Direct Access Cable with a diameter 5.9mm. Blades are titanium-nitride coated and there is no adjustment to the cutting depth necessary.

Jokari 30700 - $50.25

CAT CABLE STRIPPER - JOKARI 30500

No.1-Cat

Designed for use on PVC insulated data cables with thin insulation (e.g. Cat5, Cat6, Cat7, Twisted-Pair-Cable). Strip outer insulation and foil sheathing with one tool easily and quickly. Suitable for round cables from 4.5 to 10mm in diameter.

Jokari 30500 - $73.35

SOLAR CABLE STRIPPER - JOKARI 30190

SE-Strip - 2.5-6mm

Quick and precise stripping of all 2.5mm² to 6mm² standard energy and security cables, double shielded solar cables, short circuit and grounding-proof, flame retardant & halogen free cables. Supplied with 8-12mm length stopper.

Jokari 30190 - $65.61

MARDAG

Order Code in Bold: **Stocked Item**
Order Code in Light: Subject to Availability
Discount Code: CP1

MICRO PRECISION SMALL CABLE STRIPPER - JOKARI 40025

PWS-PLUS 002

For electronic and telecommunications micro cable stripping. Suitable for stripping 0.25 to 0.8mm diameter or 30-20 AWG cables. Stripping depth is adjustable and Tool also includes an adjustable length stopper and integrated 0.8mm cable cutter.

Jokari 40025 - $58.83

CATALOGUE

Ask for your copy of the Jokari Tools catalogue - quality German made products.

Mardag Holdings Limited – Terms & Conditions of Trade

1. Definitions

1.1 "Seller" means Mardag Holdings Limited, its successors and assigns or any person acting on behalf of and with the authority of Mardag Holdings Limited.

1.2 "Customer" means the person/s buying the Goods as specified in any invoice, document or order, and if there is more than one Customer is a reference to each Customer jointly and severally.

1.3 "Goods" means all Goods or Services supplied by the Seller to the Customer at the Customer's request from time to time (where the context so permits the terms 'Goods' or 'Services' shall be interchangeable for the other).

1.4 "Price" means the Price payable for the Goods as agreed between the Seller and the Customer in accordance with clause 4 below.

2. Acceptance

2.1 The Customer is taken to have exclusively accepted and is immediately bound, jointly and severally, by these terms and conditions if the Customer places an order for or accepts delivery of the Goods.

2.2 These terms and conditions may only be amended with the Seller's consent in writing and shall prevail to the extent of any inconsistency with any other document or agreement between the Customer and the Seller.

3. Change in Control

3.1 The Customer shall give the Seller not less than fourteen (14) days prior written notice of any proposed change of ownership of the Customer and/or any other change in the Customer's details (including but not limited to, changes in the Customer's name, address, contact phone or fax number/s, or business practice). The Customer shall be liable for any loss incurred by the Seller as a result of the Customer's failure to comply with this clause.

4. Price and Payment

4.1 At the Seller's sole discretion the Price shall be either:
(a) as indicated on any invoice provided by the Seller to the Customer; or
(b) the Price as at the date of delivery of the Goods according to the Seller's current price list; or
(c) the Seller's quoted price (subject to clause 4.2) which will be valid for the period stated in the quotation or otherwise for a period of thirty (30) days.

4.2 The Seller reserves the right to change the Price if a variation to the Seller's quotation is requested.

4.3 At the Seller's sole discretion a deposit may be required.

4.4 Time for payment for the Goods being of the essence, the Price will be payable by the Customer on the date/s determined by the Seller, which may be:
(a) on delivery of the Goods;
(b) for certain approved Customer's, due twenty (20) days following the end of the month for any invoice date;
(c) failing any notice to the contrary, the date which is seven (7) days following the date of any invoice given to the Customer by the Seller.

4.5 Payment may be made by cheque, electronic/on-line banking, or by any other method as agreed to between the Customer and the Seller.

4.6 Unless otherwise stated the Price does not include GST. In addition to the Price the Customer must pay to the Seller an amount equal to any GST the Seller must pay for any supply by the Seller under this or any other agreement for the sale of the Goods. The Customer must pay GST, without deduction or set off of any other amounts, at the same time and on the same basis as the Customer pays the Price. In addition the Customer must pay any other taxes and duties that may be applicable in addition to the Price except where they are expressly included in the Price.

5. Delivery of Goods

5.1 Delivery ("**Delivery**") of the Goods is taken to occur at the time that the Seller (or the Seller's nominated carrier) delivers the Goods to the Customer's nominated address even if the Customer is not present at the address.

5.2 At the Seller's sole discretion the cost of delivery is not included in the price of the Goods and will be quoted for separately, or charged at the Seller's nominated carrier's standard rates.

5.3 The Seller may deliver the Goods in separate instalments. Each separate instalment shall be invoiced and paid in accordance with the provisions in these terms and conditions.

6. Risk

6.1 Risk of damage to or loss of the Goods passes to the Customer on Delivery and the Customer must insure the Goods on or before Delivery.

6.2 If any of the Goods are damaged or destroyed following delivery but prior to ownership passing to the Customer, the Seller is entitled to receive all insurance proceeds payable for the Goods. The production of these terms and conditions by the Seller is sufficient evidence of the Seller's rights to receive the insurance proceeds without the need for any person dealing with the Seller to make further enquiries.

6.3 If the Customer requests the Seller to leave Goods outside the Seller's premises for collection or to deliver the Goods to an unattended location then such Goods shall be left at the Customer's sole risk.

7. Title

7.1 The Seller and the Customer agree that ownership of the Goods shall not pass until:
(a) the Customer has paid the Seller all amounts owing to the Seller; and
(b) the Customer has met all of its other obligations to the Seller.

7.2 Receipt by the Seller of any form of payment other than cash shall not be deemed to be payment until that form of payment has been honoured, cleared or recognised.

7.3 It is further agreed that:
(a) until ownership of the Goods passes to the Customer in accordance with clause 7.1 that the Customer is only a bailee of the Goods and must return the Goods to the Seller on request.
(b) the Customer holds the benefit of the Customer's insurance of the Goods on trust for the Seller and must pay to the Seller the proceeds of any insurance in the event of the Goods being lost, damaged or destroyed.
(c) the Customer must not sell, dispose, or otherwise part with possession of the Goods other than in the ordinary course of business and for market value. If the Customer sells, disposes or parts with possession of the Goods then the Customer must hold the proceeds of any such act on trust for the Seller and must pay or deliver the proceeds to the Seller on demand.
(d) the Customer should not convert or process the Goods or intermix them with other goods but if the Customer does so then the Customer holds the resulting product on trust for the benefit of the Seller and must sell, dispose of or return the resulting product to the Seller as it so directs.
(e) the Customer irrevocably authorises the Seller to enter any premises where the Seller believes the Goods are kept and recover possession of the Goods.
(f) the Seller may recover possession of any Goods in transit whether or not delivery has occurred.
(g) the Customer shall not charge or grant an encumbrance over the Goods nor grant nor otherwise give away any interest in the Goods while they remain the property of the Seller.
(h) the Seller may commence proceedings to recover the Price of the Goods sold notwithstanding that ownership of the Goods has not passed to the Customer.

8. Personal Property Securities Act 1999 ("PPSA")

8.1 Upon assenting to these terms and conditions in writing the Customer acknowledges and agrees that:
(a) these terms and conditions constitute a security agreement for the purposes of the PPSA; and
(b) a security interest is taken in all Goods previously supplied by the Seller to the Customer (if any) and all Goods that will be supplied in the future by the Seller to the Customer.

8.2 The Customer undertakes to:
(a) sign any further documents and/or provide any further information (such information to be complete, accurate and up-to-date in all respects) which the Seller may reasonably require to register a financing statement or financing change statement on the Personal Property Securities Register;
(b) indemnify, and upon demand reimburse, the Seller for all expenses incurred in registering a financing statement or financing change statement on the Personal Property Securities Register or releasing any Goods charged thereby;
(c) not register a financing change statement or a change demand without the prior written consent of the Seller; and
(d) immediately advise the Seller of any material change in its business practices of selling the Goods which would result in a change in the nature of proceeds derived from such sales.

8.3 The Seller and the Customer agree that nothing in sections 114(1)(a), 133 and 134 of the PPSA shall apply to these terms and conditions.

8.4 The Customer waives its rights as a debtor under sections 116, 120(2), 121, 125, 126, 127, 129, 131 and 132 of the PPSA.

8.5 Unless otherwise agreed to in writing by the Seller, the Customer waives its right to receive a verification statement in accordance with section 148 of the PPSA.

8.6 The Customer shall unconditionally ratify any actions taken by the Seller under clauses 8.1 to 8.5.

9. Security and Charge

9.1 In consideration of the Seller agreeing to supply the Goods, the Customer charges all of its rights, title and interest (whether joint or several) in any land, realty or other assets capable of being charged, owned by the Customer either now or in the future, to secure the performance by the Customer of its obligations under these terms and conditions (including, but not limited to, the payment of any money).

9.2 The Customer indemnifies the Seller from and against all the Seller's costs and disbursements including legal costs on a solicitor and own client basis incurred in exercising the Seller's rights under this clause.

9.3 The Customer irrevocably appoints the Seller and each director of the Seller as the Customer's true and lawful attorney/s to perform all necessary acts to give effect to the provisions of this clause 9 including, but not limited to, signing any document on the Customer's behalf.

10. Customer's Disclaimer

10.1 The Customer hereby disclaims any right to rescind, or cancel any contract with the Seller or to sue for damages or to claim restitution arising out of any inadvertent misrepresentation made to the Customer by the Seller and the Customer acknowledges that the Goods are bought relying solely upon the Customer's skill and judgment.

11. Defects

11.1 The Customer shall inspect the Goods on delivery and shall within five (5) days of delivery (time being of the essence) notify the Seller of any alleged defect, shortage in quantity, damage or failure to comply with the description or quote. The Customer shall afford the Seller an opportunity to inspect the Goods within a reasonable time following delivery if the Customer believes the Goods are defective in any way. If the Customer shall fail to comply with these provisions the Goods shall be presumed to be free from any defect or damage. For defective Goods, which the Seller has agreed in writing that the Customer is entitled to reject, the Seller's liability is limited to either (at the Seller's discretion) replacing the Goods or repairing the Goods.

12. Returns

12.1 Returns will only be accepted provided that:
(a) the Customer has complied with the provisions of clause 11.1; and
(b) the Seller has agreed in writing to accept the return of the Goods; and
(c) the Goods are returned at the Customer's cost within five (5) days of the delivery date; and
(d) the Seller will not be liable for Goods which have not been stored or used in a proper manner; and
(e) the Goods are returned in the condition in which they were delivered and with all packaging material, brochures and instruction material in as new condition as is reasonably possible in the circumstances.

12.2 The Seller may (in its discretion) accept the return of Goods for credit but this may incur a handling fee of fifteen percent (15%) of the value of the returned Goods plus any freight.

12.3 Non-stocklist items or Goods made to the Customer's specifications are under no circumstances acceptable for credit or return.

13. Warranty

13.1 For Goods not manufactured by the Seller, the warranty shall be the current warranty provided by the manufacturer of the Goods. The Seller shall not be bound by nor be responsible for any term, condition, representation or warranty other than that which is given by the manufacturer of the Goods.

14. Consumer Guarantees Act 1993

14.1 If the Customer is acquiring Goods for the purposes of a trade or business, the Customer acknowledges that the provisions of the Consumer Guarantees Act 1993 do not apply to the supply of Goods by the Seller to the Customer.

15. Default and Consequences of Default

15.1 Interest on overdue invoices shall accrue daily from the date when payment becomes due, until the date of payment, at a rate of two and a half percent (2.5%) per calendar month (and at the Seller's sole discretion such interest shall compound monthly at such a rate) after as well as before any judgment.

15.2 If the Customer owes the Seller any money the Customer shall indemnify the Seller from and against all costs and disbursements incurred by the Seller in recovering the debt (including but not limited to internal administration fees, legal costs on a solicitor and own client basis, the Seller's collection agency costs, and bank dishonour fees).

15.3 Without prejudice to any other remedies the Seller may have, if at any time the Customer is in breach of any obligation (including those relating to payment) under these terms and conditions the Seller may suspend or terminate the supply of Goods to the Customer. The Seller will not be liable to the Customer for any loss or damage the Customer suffers because the Seller has exercised its rights under this clause.

15.4 Without prejudice to the Seller's other remedies at law the Seller shall be entitled to cancel all or any part of any order of the Customer which remains unfulfilled and all amounts owing to the Seller shall, whether or not due for payment, become immediately payable if:
(a) any money payable to the Seller becomes overdue, or in the Seller's opinion the Customer will be unable to make a payment when it falls due;
(b) the Customer becomes insolvent, convenes a meeting with its creditors or proposes or enters into an arrangement with creditors, or makes an assignment for the benefit of its creditors; or
(c) a receiver, manager, liquidator (provisional or otherwise) or similar person is appointed in respect of the Customer or any asset of the Customer.

16. Cancellation

16.1 The Seller may cancel any contract to which these terms and conditions apply or cancel delivery of Goods at any time before the Goods are delivered by giving written notice to the Customer. On giving such notice the Seller shall repay to the Customer any money paid by the Customer for the Goods. The Seller shall not be liable for any loss or damage whatsoever arising from such cancellation.

16.2 In the event that the Customer cancels delivery of Goods the Customer shall be liable for any and all loss incurred (whether direct or indirect) by the Seller as a direct result of the cancellation (including, but not limited to, any loss of profits).

16.3 Cancellation of orders for Goods made to the Customer's specifications, or for non-stocklist items, will definitely not be accepted once production has commenced, or an order has been placed.

17. Privacy Act 1993

17.1 The Customer authorises the Seller or the Seller's agent to:
(a) access, collect, retain and use any information about the Customer;
(i) (including any overdue fines balance information held by the Ministry of Justice) for the purpose of assessing the Customer's creditworthiness; or
(ii) for the purpose of marketing products and services to the Customer.
(b) disclose information about the Customer, whether collected by the Seller from the Customer directly or obtained by the Seller from any other source, to any other credit provider or any credit reporting agency for the purposes of providing or obtaining a credit reference, debt collection or notifying a default by the Customer.

17.2 Where the Customer is an individual the authorities under clause 17.1 are authorities or consents for the purposes of the Privacy Act 1993.

17.3 The Customer shall have the right to request the Seller for a copy of the information about the Customer retained by the Seller and the right to request the Seller to correct any incorrect information about the Customer held by the Seller.

18. General

18.1 The failure by the Seller to enforce any provision of these terms and conditions shall not be treated as a waiver of that provision, nor shall it affect the Seller's right to subsequently enforce that provision. If any provision of these terms and conditions shall be invalid, void, illegal or unenforceable the validity, existence, legality and enforceability of the remaining provisions shall not be affected, prejudiced or impaired.

18.2 These terms and conditions and any contract to which they apply shall be governed by the laws of New Zealand and are subject to the jurisdiction of the courts of New Zealand.

18.3 The Seller shall be under no liability whatsoever to the Customer for any indirect and/or consequential loss and/or expense (including loss of profit) suffered by the Customer arising out of a breach by the Seller of these terms and conditions (alternatively the Seller's liability shall be limited to damages which under no circumstances shall exceed the Price of the Goods).

18.4 The Customer shall not be entitled to set off against, or deduct from the Price, any sums owed or claimed to be owed to the Customer by the Seller nor to withhold payment of any invoice because part of that invoice is in dispute.

18.5 The Seller may license or sub-contract all or any part of its rights and obligations without the Customer's consent.

18.6 The Customer agrees that the Seller may amend these terms and conditions at any time. If the Seller makes a change to these terms and conditions, then that change will take effect from the date on which the Seller notifies the Customer of such change. The Customer will be taken to have accepted such changes if the Customer makes a further request for the Seller to provide Goods to the Customer.

18.7 Neither party shall be liable for any default due to any act of God, war, terrorism, strike, lock-out, industrial action, fire, flood, storm or other event beyond the reasonable control of either party.

18.8 The Customer warrants that it has the power to enter into this agreement and has obtained all necessary authorisations to allow it to do so, it is not insolvent and that this agreement creates binding and valid legal obligations on it.

 Please note that a larger print version of these terms and conditions is available from the Seller on request.

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