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Welcome to the new ERIKS Electrical catalogue, with new products and services to meet all your electrical requirements.

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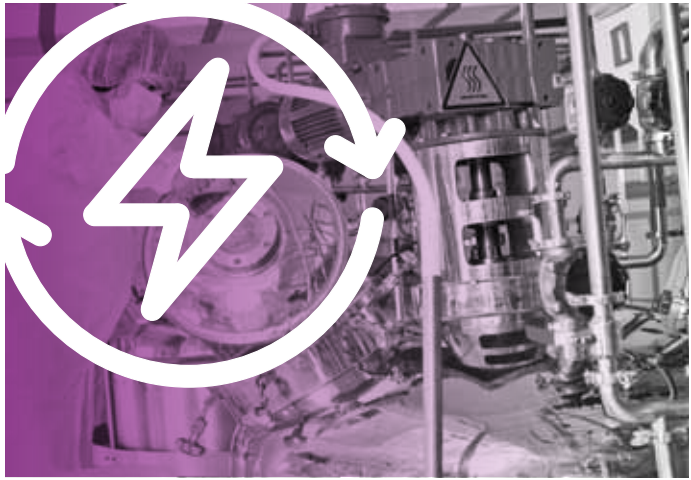
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INDUSTRIAL CONTROLS

Product Innov

Modicon M221 & M221
Logic controllers

Modicon M221 and M221 Book logic controllers are designed for simple machines. They can optimise the size of wall-mounted and floor-standing control system enclosures due to their compact dimensions.

The controllers are available in 2 formats:

- Modicon M221 controllers offer excellent connection capacity and customisation options without increasing the controller size, using I/O, communication or application cartridges.

- Modicon M221 Book controllers offer very small dimensions and a wide choice of connections.

M221 and M221 Book controllers have an embedded Ethernet port meaning they can easily be integrated in control system architectures, for remote control and maintenance of machines using applications for smartphones, tablets and PCs.

The wealth of functions embedded in M221 and M221 Book controllers minimises the cost of the machine:

- Functions embedded in the controller: Modbus serial link, USB port dedicated to programming and simple position control functions (high-speed counters and pulse train outputs with trapezoidal profile and S curve).

- Functions embedded in Modicon TM3 extensions: Functional safety modules, motor-starter control module and remote expansion system.

- Functions embedded in the dedicated display unit.

Schneider Electric

The application is created quickly thanks to the intuitive nature of the SoMachine Basic programming software, which also has embedded configuration of the display unit and extensions, including the functional safety modules. This software environment makes it easy to retrieve Twido range applications, maximising use of the investment already made.

Applications can thus easily be ported to any of the Modicon logic controllers: M241, M251 and M258 with programming and simple position control functions (high-speed counters and pulse train outputs with trapezoidal profile and S curve).

ation

Contact ERIKS for more information on the M221 Logic Controllers including the comprehensive range of accessories.

M221 logic controllers

Integrated communication ports

Part No	No of logic I/O	Logic inputs	Logic outputs	Analogue inputs	Ethernet (RJ 45)	Serial link (RJ 45)
110-240V AC Power Supply						
TQTM221C16R	16 inputs/outputs	9 sink/source 24vdc inputs inc. 4 high speed inputs	7 relay outputs	2 x 0…10 V inputs		1
TQTM221CE16R					1	1
TQTM221C24R	24 inputs/outputs	14 sink/source 24vdc inputs inc. 4 high speed inputs	10 relay outputs	2 x 0…10 V inputs		1
TQTM221CE24R					1	1
TQTM221C40R	40 inputs/outputs	24 sink/source 24vdc inputs inc. 4 high speed inputs	16 relay outputs	2 x 0…10 V inputs		1
TQTM221CE40R					1	1
24V DC Power Supply						
TQTM221C16T	16 inputs/outputs	9 sink/source 24vdc inputs inc. 4 high speed inputs	7 source transistor outputs inc. 2 high speed outputs	2 x 0…10 V inputs		1
TQTM221CE16T					1	1
TQTM221C24T	24 inputs/outputs	14 sink/source 24vdc inputs inc. 4 high speed inputs	10 source transistor outputs inc. 2 high speed outputs	2 x 0…10 V inputs		1
TQTM221CE24T					1	1
TQTM221C40T	40 inputs/outputs	24 sink/source 24vdc inputs inc. 4 high speed inputs	16 source transistor outputs inc. 2 high speed outputs	2 x 0…10 V inputs		1
TQTM221CE40T					1	1

M221 Book logic controllers

Embedded communication ports

Part No	Number of logic I/O	Logic inputs	Logic outputs	A 24V DC Power Supply Analogue inputs	Ethernet SL (RJ 45)	SL1 (RJ 45)	SL2 (RJ 45)	Term block for I/O conn. Thread mm
24V DC Power Supply								
TQTM221M16R	16 inputs/outputs	8 sink/source 24vdc inputs inc. 4 high speed inputs	8 relay outputs	2 x 0…10V inputs		1	1	Screw 3.81
TQTM221M16RG						1	1	Spring 3.81
TQTM221ME16R					1	1		Screw 3.81
TQTM221ME16RG					1	1		Spring 3.81
TQTM221M16T			8 source transistor outputs inc. 2 high speed outputs	2 x 0…10V inputs		1	1	Screw 3.81
TQTM221M16TG						1	1	Spring 3.81
TQTM221ME16T					1	1		Screw 3.81
TQTM221ME16TG					1	1		Spring 3.81
TQTM221M32TK	32 inputs/outputs	16 sink/source 24vdc inputs inc. 4 high speed inputs	16 source transistor outputs inc. 2 high speed outputs	2 x 0…10V inputs		1	1	HE 10 connector
TQTM221ME32TK					1	1		HE 10 connector

Schneider Electric Tesys Contactors Category AC-3

Select voltage from chart

Part No	Amps	Poles	Contacts	TRADE PRICE (AC)	TRADE PRICE (DC)
TQLC1D09**	9	3	1N/O+1N/C	£31.57	£59.97
TQLC1D12**	12	3	1N/O+1N/C	£35.77	£63.61
TQLC1D18**	18	3	1N/O+1N/C	£47.49	£82.02
TQLC1D258**	25	4	1N/O+1N/C	£86.83	£144.62
TQLC1D25**	25	3	1N/O+1N/C	£65.78	£99.69
TQLC1D32**	32	3	1N/O+1N/C	£89.69	£127.34
TQLC1D38**	38	3	1N/O+1N/C	£110.31	£143.46
TQLC1D40A**	40	3	1N/O+1N/C	£111.65	£162.63
TQLC1D50A**	50	3	1N/O+1N/C	£132.88	£193.53
TQLC1D65A**	65	3	1N/O+1N/C	£187.59	£270.70
TQLC1D80**	80	3	1N/O+1N/C	£254.97	£323.02
TQLC1D115**	115	3	1N/O+1N/C	£364.74	£428.51
TQLC1D150**	150	3	1N/O+1N/C	£444.76	£484.04

Schneider Electric Contactors Category AC-3 90...160kW

Part No	Amps	Poles	TRADE PRICE
TQLC1F185	185	3	£415.55
TQLC1F265	265	3	£715.49
TQLC1F330	330	3	£922.17

Schneider Electric Contactors Coils 90...160kW (AC)

Part No	For Amp	TRADE PRICE
TQLX1FG110	110 185 and 225	£87.55
TQLX1FG240	240 185 and 225	£87.55
TQLX1FH1102	110 265 and 330	£98.32
TQLX1FH2402	240 265 and 330	£98.33

Schneider Electric Tesys Control Relays

** Select voltage from chart below

Part No	Contacts	Composition	TRADE PRICE (AC)	TRADE PRICE (DC)
TQCAD50**	5	5n/o	£33.15	£62.31
TQCAD32**	5	3n/o+2n/c	£33.15	£62.31

Voltage Chart

AC Supply

Contactors LC1-D09...D150 (coils D115 and D150 with integral suppression device fitted as standard)

Volts	24	42	48	110	115	220	230	240	380	400	415	440	500
50/60Hz	B7	D7	E7	F7	FE7	M7	P7	U7	Q7	V7	N7	R7	S7

DC Supply

Contactors LC1-D09...D95 (D09...D38 coils with integral suppression device fitted as standard)

Volts		12	24	36	48	60	72	110	125	220	250	440
U 0.85...1.1Uc		JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD

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Schneider Electric Mechanical Interlock with Power Connections

Part No	For use with	TRADE PRICE
TQLAD9R1V	TQLC1D09…D38	£14.25
TQLAD9R3	TQLC1D40A…D65A	£45.33
TQLA9D50978	TQLC1D40…D95	£25.77

Schneider Electric Time Delay Aux Blocks

Part No	Delay	Contacts	Setting Range	TRADE PRICE
TQLADR0	Off	1N/O+1N/C	0.1 – 3 secs	£59.34
TQLADR2	Off	1N/O+1N/C	0.1 – 30 secs	£59.34
TQLADS2	On	1N/O+1N/C	1 – 30 secs	£65.31
TQLADT0	On	1N/O+1N/C	0.1 – 3 secs	£59.10
TQLADT2	On	1N/O+1N/C	0.1 – 30 secs	£59.34

Schneider Electric Instantaneous Aux Contact Blocks

Part No	Mounting	Contacts	Composition	TRADE PRICE
TQLADN02	Front	2	2 n/c	£8.10
TQLADN04	Front	4	4 n/c	£14.33
TQLADN11	Front	2	1n/o+1n/c	£8.15
TQLADN13	Front	4	1n/o+3 n/c	£14.33
TQLADN20	Front	2	2n/o	£8.15
TQLADN22	Front	4	2n/o+2n/c	£14.44
TQLADN31	Front	4	3n/o+1n/c	£14.46
TQLADN40	Front	4	4n/o	£14.33
TQLAD8N11	Side	2	1n/o+1n/c	£10.71
TQLAD8N20	Side	2	2n/o	£10.71

Schneider Electric Tesys Thermal Magnetic Motor Circuit Breakers
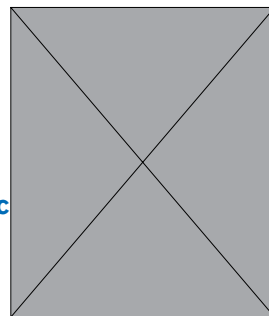
Part No	Thermal Trip (A)	TRADE PRICE
TQGV2ME02	0.16 – 0.25	£38.38
TQGV2ME03	0.25 – 0.40	£38.38
TQGV2ME04	0.40 – 0.63	£42.73
TQGV2ME05	0.63 – 1	£47.13
TQGV2ME06	1 – 1.6	£47.13
TQGV2ME07	1.6 – 2.5	£47.13
TQGV2ME08	2.5 – 4	£47.13
TQGV2ME10	4 – 6.3	£47.13
TQGV2ME14	6 – 10	£55.28
TQGV2ME16	9 – 14	£55.28
TQGV2ME20	13 – 18	£55.28
TQGV2ME21	17 – 23	£59.54
TQGV2ME22	20 – 25	£67.35
TQGV2ME32	24 – 32	£110.52
TQGV3P40	30 – 40	£134.17
TQGV3P50	37 – 50	£146.34
TQGV3P65	48 – 65	£155.20

Schneider Electric Terminal Block

Part No	Description	TRADE PRICE
TQGV1G09	For supply to TQGV2 Busbar	£10.05

Schneider Electric 3-Pole 63A Busbars

Part No	Tap-Offs	Pitch	TRADE PRICE
TQGV2G245	2	45MM	£7.61
TQGV2G254	2	54MM	£7.61
TQGV2G345	3	45MM	£10.04
TQGV2G354	3	54MM	£11.46
TQGV2G445	4	45MM	£13.37
TQGV2G454	4	54MM	£13.37
TQGV2G554	5	54MM	£17.26

Schneider Electric Tesys 3-Pole Thermal Overload Relays (Class 10)

Part No	Range (A)	Fits Contactor	TRADE PRICE
TQLRD02	0.16 – 0.25	D09–D38	£33.17
TQLRD03	0.25 – 0.40	D09–D38	£33.17
TQLRD04	0.40 – 0.63	D09–D38	£33.17
TQLRD05	0.63 – 1	D09–D38	£33.17
TQLRD06	1 – 1.6	D09–D38	£33.17
TQLRD07	1.6 – 2.5	D09–D38	£33.17
TQLRD08	2.5 – 4	D09–D38	£33.17
TQLRD10	4 – 6	D09–D38	£33.17
TQLRD12	5.5 – 8	D09–D38	£33.17
TQLRD14	7 – 10	D09–D38	£33.17
TQLRD16	9 – 13	D09–D38	£34.90
TQLRD21	12 – 18	D09–D38	£39.99
TQLRD22	16 – 24	D09–D38	£44.42
TQLRD32	23 – 32	D09–D38	£58.42
TQLRD35	30 – 38	D09–D38	£58.42
TQLRD3357	37 – 50	D40–D95	£78.79
TQLRD3359	48 – 65	D40–D95	£82.57
TQLRD3361	55 – 70	D40–D95	£85.94
TQLRD340	30 – 40	D40A–D65A	£72.43
TQLRD350	37 – 50	D40A–D65A	£85.03
TQLRD365	48 – 65	D40A–D65A	£87.27

Schneider Electric Solid State Interface

Part No	Voltage	TRADE PRICE
TQLA4DWB	24V DC	£50.01

Schneider Electric Adaptor for Tesys Interface Modules

Part No	Suppression	Contactor	TRADE PRICE
TQLAD4BB	No	D09–D38	£8.49

Schneider Electric Tesys Overload Terminal Block

Part No	Mounting	For Overload	TRADE PRICE
TQLAD7B106	35mm DIN	LRD01 – 35	£20.42

Schneider Electric Tesys Remote Stop/Reset

Part No	Voltage	For Overload	TRADE PRICE
TQLAD703F	110V	LRD01 – 35	£45.43

Schneider Electric Enclosed Switch Disconnectors

Part No	Amps (upto)	Poles	TRADE PRICE
TQVCF0GE	20	3	£35.00
TQVCF1GE	25	3	£36.39
TQVCF2GE	32	3	£47.64
TQVCF3GE	50	3	£78.40
TQVCF4GE	63	3	£97.09
TQVCF5GEN	100	3	£168.22

Schneider Electric Fused Protection Devices

Part No	Amp	Composition	Cartridge Size	TRADE PRICE
TQDF101	32A	1-Pole	10 x 38mm	£4.48

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Schneider Electric Heads for Spring Return Pushbuttons

Part No	Colour	TRADE PRICE
TQZB4BA1	White	£3.94
TQZB4BA2	Black	£3.94
TQZB4BA3	Green	£3.94
TQZB4BA4	Red	£3.94
TQZB4BA5	Yellow	£3.94
TQZB4BA6	Blue	£3.94

Schneider Electric Mushroom Heads (40mm) for Spring Return Pushbuttons

Part No	Colour	TRADE PRICE
TQZB4BC2	Black	£8.75
TQZB4BC3	Green	£8.75
TQZB4BC4	Red	£8.75
TQZB4BC5	Yellow	£8.75
TQZB4BC6	Blue	£8.75

Schneider Electric Heads for Selector Switches

Part No	Positions	Spring Return	Handle	TRADE PRICE
TQZB4BD2	2	No	Standard	£7.56
TQZB4BD3	3	No	Standard	£7.56
TQZB4BJ3	3	No	Long	£8.06
TQZB4BD4	2	Right To Left	Standard	£7.56
TQZB4BD5	3	To Centre	Standard	£7.56
TQZB4BJ5	3	To Centre	Long	£8.06

Schneider Electric Switch Disconnector Accessories

Part No	Module	Contacts	Amp	TRADE PRICE
TQVZ0	Main Pole	n/a	25A	£8.11
TQVZ7	Aux Contact	1n/o+1n/c	12A – 174A	£12.66

Schneider Electric Heads for Key Operated Selector Switches

Part No	Positions	Spring Return	Key Removable	TRADE PRICE
TQZB4BG2	2	No	Left Position	£20.43
TQZB4BG3	3	No	Centre Position	£20.43
TQZB4BG4	2	No	Both Position	£20.43

■ SPARE KEYS FOR KEY OPERATED SELECTOR SWITCHES

Part No	Type	TRADE PRICE
TQZBG455	Ronis 455	£7.88

Schneider Electric Mushroom Heads for Latching Pushbuttons

■ EMERGENCY STOP PUSH BUTTON HEADS

Part No	Push Type	Push Size	Colour	TRADE PRICE
TQZB4BT84	Push – Pull	40mm	Red	£17.27
TQZB4BS844	Twist Release	40mm	Red	£16.59
TQZB4BS944	Key Release	40mm	Red	£24.18

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Schneider Electric Pushbutton and Switch Bodies

Part No	Contact	Connection	TRADE PRICE
TQZB4BZ101	1n/o	Screw Clamp	£4.97
TQZB4BZ102	1n/c	Screw Clamp	£4.97
TQZB4BZ103	2n/o	Screw Clamp	£8.32
TQZB4BZ104	2n/c	Screw Clamp	£8.32
TQZB4BZ105	1n/o+1n/c	Screw Clamp	£8.32

■ STANDARD SINGLE CONTACT BLOCKS

Part No	Contact	TRADE PRICE
TQZBE101	1n/o	£3.52
TQZBE102	1n/c	£3.52

■ BODY/FIXING COLLAR

Part No	TRADE PRICE
TQZB4BZ009	£1.56

Schneider Electric Illuminated Heads for Spring Return Pushbuttons

Part No	Colour	Light Source	TRADE PRICE
TQZB4BW31	White	BA9s	£4.64
TQZB4BW33	Green	BA9s	£4.64
TQZB4BW34	Red	BA9s	£4.64
TQZB4BW35	Yellow	BA9s	£4.64
TQZB4BW36	Blue	BA9s	£4.64
TQZB4BW313	White	Integral LED	£5.10
TQZB4BW333	Green	Integral LED	£5.10
TQZB4BW343	Red	Integral LED	£5.10
TQZB4BW353	Yellow	Integral LED	£5.10
TQZB4BW363	Blue	Integral LED	£5.10

Schneider Electric Pilot Light Heads

Schneider Electric

Part No	Colour	Light Source	TRADE PRICE
TQZB4BV01	White	BA9s	£3.00
TQZB4BV03	Green	BA9s	£3.00
TQZB4BV04	Red	BA9s	£3.00
TQZB4BV05	Yellow	BA9s	£3.00
TQZB4BV06	Blue	BA9s	£3.00
TQZB4BV07	Clear	BA9s	£3.00
TQZB4BV013	White	Integral LED	£3.02
TQZB4BV033	Green	Integral LED	£3.02
TQZB4BV043	Red	Integral LED	£3.02
TQZB4BV053	Yellow	Integral LED	£3.02
TQZB4BV063	Blue	Integral LED	£3.02

For illuminated pushbuttons, add standard single contact blocks as required

Schneider Electric Pilot Light Illuminated Pushbutton Bodies

Part No	Colour	Supply Voltage	Light Source	TRADE PRICE
TQZB4BVB1	White	24V AC/DC	Integral LED	£7.70
TQZB4BVB3	Green	24V AC/DC	Integral LED	£7.70
TQZB4BVB4	Red	24V ACDC	Integral LED	£7.70
TQZB4BVB5	Yellow	24V AC/DC	Integral LED	£7.70
TQZB4BVB6	Blue	24V AC/DC	Integral LED	£7.70
TQZB4BVG1	White	48...120V AC/DC	Integral LED	£10.46
TQZB4BVG3	Green	48...120V AC/DC	Integral LED	£10.46
TQZB4BVG4	Red	48...120V AC/DC	Integral LED	£10.46
TQZB4BVG5	Yellow	48...120V AC/DC	Integral LED	£10.46
TQZB4BVG6	Blue	48...120V AC/DC	Integral LED	£10.46
TQZB4BVM1	White	230...240V AC/DC	Integral LED	£14.63
TQZB4BVM3	Green	230...240V AC/DC	Integral LED	£14.63
TQZB4BVM4	Red	230...240V AC/DC	Integral LED	£14.63
TQZB4BVM5	Yellow	230...240V AC/DC	Integral LED	£14.63
TQZB4BVM6	Blue	230...240V AC/DC	Integral LED	£14.63
TQZB4BV6	n/a	Up to 250V	BA9s	£4.92

Schneider Electric Legend Plates

Part No	Size	Marking	Colour	TRADE PRICE
TQZBY2101	30 x 40mm*	Blank	Black/Red	£0.73
TQZBY2303	30 x 40mm*	Start	Black/Red	£0.89
TQZBY2304	30 x 40mm*	Stop	Black/Red	£0.89
TQZBY2323	30 x 40mm*	Reset	Black/Red	£0.89
TQZBY2330	30 x 40mm*	Emergency Stop	Black/Red	£0.89
TQZBY9320	60mm ø	Emergency Stop	Yellow	£1.97
TQZBY8330	90mm ø	Emergency Stop	Yellow	£2.29
* Inc carrier				£1.84

Emergency and Mushroom Head Boots

Part No	Colour	Material	TRADE PRICE
TQZBZ48	Red	Silicone	£4.03

Schneider Electric Padlocking Kit

Part No	COLOUR	TRADE PRICE
TQZBZ3605	Yellow	£37.80

Schneider Electric Emergency Stop Guards

Part No	Colour	TRADE PRICE
TQZBZ1600	Chromium Plated	£31.79
TQZBZ1604	Red	£26.48
TQZBZ1605	Yellow	£26.48

Schneider Electric Booted Operators for XACA Pendants

Part No	Colour	TRADE PRICE
TQXACA9411	White	£3.10
TQXACA9412	Black	£3.10

Schneider Electric Die-cast Metal Enclosures
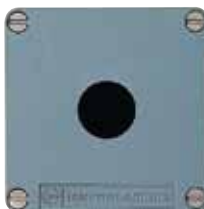
Part No	Colour	Size	Cut Outs	TRADE PRICE
TQXAPM1201H29	Blue	80 x 80 x 49mm	1	£23.99
TQXAPM1202H29	Blue	80 x 80 x 49mm	2	£24.99
TQXAPM1501H29	Blue	80 x 80 x 74.5mm	1	£25.78
TQXAPM1502H29	Blue	80 x 80 x 74.5mm	2	£27.30

Schneider Stop Control Stations

■ CONTROL STATIONS

Part No	Type	Contact	Size	TRADE PRICE
TQXALK178F	Trigger Action	2 n/c	40mm Twist Release	£32.42
TQXALK178E	Trigger Action	1 n/o + 1 n/c	40mm Twist Release	£32.42

Schneider Electric Standard Single Contact Blocks for Harmony XAL Control Stations

Part No	Contact	TRADE PRICE
TQZENL1111	1n/o	£5.60
TQZENL1121	1n/c	£5.60

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

Schneider Electric Indicator Lamps

Schneider Electric

Schneider Electric Fixing Base

Part No	Height	Colour	TRADE PRICE
TQXVBZ03	380mm	Silver	£24.07
TQXVBZ02	80mm	Silver	£19.93

Schneider Electric Audible Unit

Part No	Type	Description	TRADE PRICE
TQXVBC9B	12...48V AC/DC	Buzzer 90db @ 1m	£81.50
TQXVBC9M	120…230V AC	Buzzer 90db @ 1m	£118.98

Part No	Supply Voltage	Cap	TRADE PRICE
TQDL1BLB	24V	BA15d	£2.68
TQDL1BLG	24V	BA15d	£5.27
TQDL1BLM	24V	BA15d	£2.96
TQDL1CE024	24V	BA9s	£2.35
TQDL1CE048	24V	BA9s	£3.11

Schneider Electric Base Unit

Part No	TRADE PRICE
TQXVBC21	£36.89

Schneider Electric Illuminated Units with Steady Signalling (Excludes lamps)

Part No	Colour	Voltage	Light Source	TRADE PRICE
TQXVBC33	Green		BA15d	£26.15
TQXVBC34	Red		BA15d	£26.15
TQXVBC35	Orange		BA15d	£26.15
TQXVBC36	Blue		BA15d	£26.15
TQXVBC37	Clear		BA15d	£26.15
TQXVBC2B3	Green	24VAC/DC	Integral LED	£53.74
TQXVBC2B4	Red	24VAC/DC	Integral LED	£48.63
TQXVBC2B5	Orange	24VAC/DC	Integral LED	£48.63
TQXVBC2B6	Blue	24VAC/DC	Integral LED	£ 67.22
TQXVBC2B7	Clear	24VAC/DC	Integral LED	£ 68.90
TQXVBC2B8	Yellow	24VAC/DC	Integral LED	£ 50.16
TQXVBC2M3	Green	120VAC	Integral LED	£ 52.46
TQXVBC2M4	Red	120VAC	Integral LED	£ 52.46
TQXVBC2M5	Orange	120VAC	Integral LED	£ 51.18
TQXVBC2M6	Blue	120VAC	Integral LED	£ 70.58
TQXVBC2M7	Clear	120VAC	Integral LED	£ 70.58
TQXVBC2M8	Yellow	120VAC	Integral LED	£ 51.18
TQXVBC2M3	Green	230VAC	Integral LED	£ 51.18
TQXVBC2M4	Red	230VAC	Integral LED	£ 52.46
TQXVBC2M5	Orange	230VAC	Integral LED	£ 51.18
TQXVBC2M6	Blue	230VAC	Integral LED	£ 70.58
TQXVBC2M7	Clear	230VAC	Integral LED	£ 70.58
TQXVBC2M8	Yellow	230VAC	Integral LED	£ 51.18

Schneider Electric Limit Switch Heads
ISO 20mm Cable Entry

Part No	Material	For Switch	Head Type	TRADE PRICE
TQZCKD02	Plastic	TQZCKM/TQZCKS	Roller Plunger	£18.36
TQZCKD05	Plastic	TQZCKM/TQZCKS	Rotary Head	£14.15
TQZCKD06	Plastic	TQZCKM/TQZCKS	Cats Whisker	£19.82
TQZCKD15	Plastic	TQZCKM/TQZCKS	Plastic Roller Level	£13.19
TQZCKE05	Metal	TQZCKJ	Rotary Head	£22.08
TQZCKE67	Metal	TQZCKJ	Roller Plunger	£19.13
TQZC2JE01	Metal	TQZC2JE	Rotary Head	£37.60
TQZC2JE05	Metal	TQZC2JE	Rotary Head	£37.60

Schneider Electric Operating Levers

Part No	Type	For Head	TRADE PRICE
TQZCKY11	Plastic Roller	TQZCKE	£3.43
TQZCKY13	Metal Roller	TQZCKE	£6.91
TQZCKY41	Variable Plastic Roller	TQZCKD/TQZCKE	£5.02
TQZCKY43	Variable Metal Roller	TQZCKD/TQZCKE	£7.75
TQZCKY59	Round Plastic Rod	TQZCKD/TQZCKE	£4.56
TQZCKY81	Plastic Spring Lever	TQZCKD/TQZCKE	£5.13
TQZC2JY31	Variable Plastic Roller	TQZC2JE	£12.29
TQZC2JY81	Metal Spring Lever	TQZC2JE	£11.92

Schneider Electric Complete Compact
Plastic Limit Switch ISO 16mm Entry

Part No	Contact	Head Type	TRADE PRICE
TQXCKP2102P16	2 Pole N/C + N/O	Roller Plunger	£23.61
TQXCKP2106P16	2 Pole N/C + N/O	Cats Whisker	£24.13
TQXCKP2110P16	2 Pole N/C + N/O	Metal End Plunger	£17.24
TQXCKP2118P16	2 Pole N/C + N/O	Rotary Roller Lever	£19.53
TQXCKP2121P16	2 Pole N/C + N/O	Plastic Roller Lever Plunger	£24.13
TQXCKP2145P16	2 Pole N/C + N/O	Variable Roller Lever	£22.99

Schneider Electric Switch Bodies
with Contacts

Part No	Material	Contact	Size	TRADE PRICE
TQZCKJ1H29	Metal	1n/c+1n/o	40 x 76.5mm	£27.88
TQZCKM1H29	Metal	1n/c+1n/o	64 x 63.6mm	£20.37
TQZCKS1H29	Plastic	1n/c+1n/o	40 x 72.5mm	£18.36

Schneider Electric Complete Miniature
Metal Limit Switch

Part No	Contact	Head Type	TRADE PRICE
TQXCMD2102L1	2 Pole N/C + N/O	Steel Roller Plunger	£38.51
TQXCMD2110L1	2 Pole N/C + N/O	Metal End Plunger	£34.21
TQXCMD2115L1	2 Pole N/C + N/O	Plastic Roller Lever	£36.23

Industrial Controls

Electrical Installation

Lighting

Schneider Electric TeSys U Motor Starter Controllers

- Motor starter controller providing disconnection, power switching, short-circuit and overload protection in one compact package
- Plug-in wide band electronic overload can be changed in seconds
- Vertical or horizontal mounting without de-rating for flexible design considerations
- Total co-ordination means the starter can be put back into service immediately following a short-circuit fault reducing costly downtime

Part No	Description	Rating (A)	Voltage	TRADE PRICE
TQLUB12	Power Base	12A AC3		£46.44
TQLUB32	Power Base	32A AC3		£63.83
TQLUCA05B	Plug in Overload	1.25–5A	24V AC	£46.14
TQLUCA05BL	Plug in Overload	1.25–5A	24V DC	£50.75
TQLUCA05ES	Plug in Overload	1.25 – 5A	48V AC/48...72V DC	£46.14
TQLUCA05FU	Plug in Overload	1.25 – 5A	110...240V AC/110...220V DC	£46.14
TQLUCA12B	Plug in Overload	3 – 12A	24V AC	£54.36
TQLUCA12BL	Plug in Overload	3 – 12A	24V DC	£59.83
TQLUCA12ES	Plug in Overload	3 – 12A	48V AC/48..72V DC	£54.36
TQLUCA12FU	Plug in Overload	3 – 12A	110...240V AC/110...220V DC	£54.36
TQLUCA18B	Plug in Overload	4.5 – 18A	24V AC	£58.70
TQLUCA18BL	Plug in Overload	4.5 – 18A	24V DC	£64.55
TQLUCA18ES	Plug in Overload	4.5 – 18A	48V AC/48..72V DC	£58.88
TQLUCA18FU	Plug in Overload	4.5 – 18A	110...240V AC/110...220V DC	£58.70
TQLUCA1XB	Plug in Overload	0.35 – 1.4A	24V AC	£45.26
TQLUCA1XBL	Plug in Overload	0.35 – 1.4A	24V DC	£49.80
TQLUCA1XES	Plug in Overload	0.35 – 1.4A	48V AC/48..72V DC	£45.26
TQLUCA1XFU	Plug in Overload	0.35 – 1.4A	110...240V AC/110...220V DC	£45.26
TQLUCA32B	Plug in Overload	8 – 32A	24V AC	£87.84
TQLUCA32BL	Plug in Overload	8 – 32A	24V DC	£96.63
TQLUCA32ES	Plug in Overload	8 – 32A	48V AC/48..72V DC	£87.55
TQLUCA32FU	Plug in Overload	8 – 32A	110...240V AC/110...220V DC	£87.84
TQLUCAX6B	Plug in Overload	0.15 – 0.6A	24V AC	£43.01
TQLUCAX6BL	Plug in Overload	0.15 – 0.6A	24V DC	£47.32
TQLUCAX6ES	Plug in Overload	0.15 – 0.6A	48V AC/48..72V DC	£43.01
TQLUCAX6FU	Plug in Overload	0.15 – 0.6A	110...240V AC/110...220V DC	£43.01

■ AUXILARY CONTACTS

Part No	Configuration	TRADE PRICE
TQLUFN02	2N/C	£8.72
TQLUFN11	1N/O + 1N/C	£8.72
TQLUFN20	2N/O	£8.72
TQLUA1C11	1N/C fault + 1N/O handle position	£8.57
TQLUA1C20	1N/O fault + 1N/O handle position	£8.57

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Schneider Electric XBTN XBTR HMIs with keypads

- Alpha numeric and semi graphic range
- 8 to 12 keys for data entry
- 2 to 12 lines for display of messages
- Basic display of graphs and buttons
- Monochrome screens
- Powered by Vijeo Designer Light software
- Ideal product for simple machines

Schneider Electric

Part Number	Sub-module Name	Product Description	Backlight	Power Supply	IP Rating	ATEX Approval	LIST PRICE
TQXBTN200	XBTN XBTR HMIs with keypads	Semi-graphic HMI, 2x20 characters, 8 keys, (use lead XBTZ9780)	Green	5Vdc via PLC port	IP65	Zone 2/22	£130.86
TQXBTN400	XBTN XBTR HMIs with keypads	Semi-graphic HMI, 1x5 up to 4x20 characters, 8 keys, (use leadXBTZ9780)	Green	5Vdc via PLC port	IP65	Zone 2/22	£217.38
TQXBTR400	XBTN XBTR HMIs with keypads	Semi-graphic HMI, 1x5 up to 4x20 characters, 20 keys, (use lead XBTZ9780)	Green	5Vdc via PLC port	IP65	Zone 2/22	£259.56
TQXBTR410	XBTN XBTR HMIs with keypads	Semi-graphic HMI, 1x5 up to 4x20 characters, 20 keys, 24Vdc	Green	24Vdc	IP65	Zone 2/22	£274.70
TQXBTR411	XBTN XBTR HMIs with keypads	Semi-graphic HMI, 1x5 up to 4x20 characters, 20 keys, 4 LEDs, 24Vdc	Green, Amber, Red	24Vdc	IP65	Zone 2/22	£333.10

Schneider Electric Magelis HMI STO/STU

- Beautiful 3.5" TFT touchscreen, with 65K colours
- Innovative and tool free 22mm push button mounting style
- Serial port RJ45 RS485/232 Multi Protocol
- Embedded Ethernet (RJ45 Port) with web remote control (Web Gate, email)
- 2 USB slots for application download via USB memory stick/cable
- Powered by Vijeo Designer software
- Free software included

Schneider Electric

Part No	Sub-module Name	Product Description	Backlight	Screen Type	Power Supply	Mounting Style	IP Rating	LIST PRICE
TQHMISTU655	HMISTU655	3.5" colour graphical touch screen		Colour graphical touch	24V DC	22mm Hole push button	IP65	£372.47
TQHMISTO511	HMISTO	3.4" Monochrome graphical touch screen	Green, Orange and Red	Graphical monochrome	24V DC	Spring clips	IP65	£239.38

Schneider Electric Magelis Accessories

Part No	Product Description	LIST PRICE
TQXBTZ3002	Magelis HMI Spring mounting clips	£29.53
TQTSXCUSB485	PC USB to serial connection cable	£118.00

Industrial Controls

Electrical Installation

Lighting

Schneider Electric Preventa XPS Safety Relays

- Normally open safety relay outputs
- Normally closed contacts and/or solid state outputs for signalling e.g. to PLCs, beacons etc
- Suitable for categories within EN 954-1, Performance Levels (PL) within EN ISO 13849-1, and Safety Integrity Levels (SIL) within EN 62061
- TUV, CSA, UL, CCC

Schneider Electric

■ TECHNICAL SPECIFICATION

Conformity to standards:

Fuse protection:	internal, electronic
Operating temp:	−10°C to +55°C

Outputs:

Breaking capacity:	AC-15, C300: Inrush 1800VA, maintained 180VA
	DC-15: 24V, 2A L/R = 50ms
Output fuse protection:	6A fast acting, 4A gG

Part Number	Product Description	Voltage	Safety Outputs	Signalling Outputs	Solid State Signalling Outputs	Category/ Performance Level	LIST PRICE
TQXPSAC5121	XPSAC safety relay	24Vac/dc	3 n/o		1	3 / e	£112.49
TQXPSAC3421	XPSAC safety relay	115Vac	3 n/o		1	3 / e	£121.49
TQXPSAC3721	XPSAC safety relay	230Vac	3 n/o			3 / e	£121.49
TQXPSAF5130	XPSAF safety relay	24Vac/dc	3 n/o			4 / e	£128.83
TQXPSAFL5130	XPSAFL safety relay	24Vac/dc	3 n/o			4 / e	£132.63
TQXPSAR311144	XPSAR safety relay	24Vac/dc	7 n/o	2n/c	4	4 / e	£323.36
TQXPSAR351144	XPSAR safety relay	115Vac/24Vdc	7 n/o	2n/c	4	4 / e	£323.36
TQXPSAR371144	XPSAR safety relay	230Vac/24Vdc	7 n/o	2n/c	4	4 / e	£185.00
TQXPSAK311144	XPSAK safety relay	24Vac/dc	3 n/o	1n/c	4	4 / e	£185.00
TQXPSAK361144	XPSAK safety relay	110Vac/24Vdc	3 n/o	1n/c	4	4 / e	£185.00
TQXPSAK371144	XPSAK safety relay	230Vac/24Vdc	3 n/o	1n/c	4	4 / e	£185.00
TQXPSBF1132	XPSBF safety relay	24Vdc	2 n/o		2	4 / e	£217.83
TQXPSVNE1142P	XPSVNE safety relay (for loads with undetermined stopping time)	24Vdc	1n/o + 1n/c			3 / d	£285.46
TQXPSATE5110P	XPSATE safety relay (for slow stopping machines with fixed stopping time)	24Vac/dc	2 instant, 3 delay n/o		4	4 / e, 3 / d	£318.73
TQXPSAV11113	XPSATE safety relay (for slow stopping machines with fixed stopping time)	24Vdc	2 instant, 3 delay n/o		3	4 / e, 3 / d	£306.27
TQXPSDMB1132	XPSDMB safety relay (for up to 2 pairs of safety switch e.g XCSDMC/DMP/DMR)	24Vdc	2 n/o		2	4 / e	£171.50
TQXPSDME1132	XPSDME safety relay (for up to 6 pairs of safety switch e.g XCSDMC/DMP/DMR)	24Vdc	2 n/o		2	4 / e	£245.61

Industrial Controls

Electrical Installation

Lighting

Phaseo ABL8 Universal Power Supplies

- Single Phase or 2-phase (phase-phase 200-500VAC), 72-240W
- Same unit can connect Neutral-Phase or Phase-Phase
- 24-28VDC adjustable output for long cable runs
- No need for oversizing with 50%, 4 sec power boost
- Regulated switch mode power supplies, 3phase from 20A to 40A
- Primary voltage adaptation +/- 15 V
- Fixing on 35 mm rail (up to 4 A)
- Output protection by integrated fuse (depending on model)

Schneider Electric

Part Number	Rated Input Voltage	Output Voltage	Current/Power	Width	LIST PRICE
TQABL8RPS24030	100-120 / 200-500VAC	24VDC	3A / 72W	£109.08	£74.00
TQABL8RPS24050	100-120 / 200-500VAC	24VDC	5A / 120W	£174.65	£113.00
TQABL8RPS24100	100-120 / 200-500VAC	24VDC	10A / 240W	£184.67	£124.00
TQABL8RPM24200	100-120 / 200-500VAC	24VDC	20A / 480W	£238.67	£201.00
TQABL8WPS24200	380-500VAC	24VDC	20A / 480W	£232.19	£195.00
TQABL8WPS24400	380-500VAC	24VDC	40A / 960W	£410.46	£274.00

Schneider Electric Phaseo ABL8 Accessories

Phaseo Slim Range – Add-on modules:

- Back-up protection against supply breaks
- Paralleling and redundancy support
- Auxilliary output voltages 5V, 12V
- Discriminating overload protection for 4 output circuits

Schneider Electric

Part Number	Description	LIST PRICE
TQABL8BUF24400	Buffer module	£165.74
TQABL8BBU24200	Battery back-up charger module 20A	£209.51
TQABL8BBU24400	Battery back-up charger module 40A	£330.37
TQABL8RED24400	Redundancy module 40A	£96.78
TQABL8DCC05060	DC/DC converter 5V 6A	£99.01
TQABL8DCC12020	DC/DC converter 12V 2A	£99.01
TQABL8BPK24A03	Battery pack 3,2 Ah	£98.28
TQABL8BPK24A07	Battery pack 7 Ah	£117.91
TQABL8BPK24A12	Battery pack 12 Ah	£171.72
TQABL8FUS02	Fuse set for battery pack	£13.57

Schneider Electric Phaseo Optimum Switched Mode Power Supply

- Phaseo Optimum range
- Narrowest range – 3A unit is only 27mm wide
- Single phase 100–240V
- Overload and short-circuit protection
- 24-28V DC adjustable output for long cable runs
- Overload and short-circuit protection

Part Number	Related Input Voltage	Output Voltage	Current/Power	Width	LIST PRICE
TQABL8REM24030	100-240V	24VDC	3A/72W	27	£88.55
TQABL8REM24050	100-240V	24VDC	5A/120W	54	£99.36

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Centro Time Relays

- Ultra compact multi-functional devices
- Visible indicators
- Tool-adjustable controls
- Din rail mounting

CENTRO
INDUSTRIAL ESSENTIALS

Part No	Description	Mounting	Amps	Time range	TRADE PRICE
CTRO44830	12-240V AC/DC 8 functions 1CO	Din rail	5A	50ms – 10 days	£19.29
CTRO44831	12-240V AC/DC Multifunction timer 1CO	Din rail	8A	50ms – 100 hours	£17.67

CTRO44830

- 8 functions
- 8 time ranges
- Multi voltage 12-240V AC/DC
- 1 change over contact
- Width 22.5mm
- Time range 50ms – 10days

Functions
- E ON delay
- R OFF delay with control contact
- Ws Single shot leading edge with control contact
- Wa Single shot trailing edge with control contact
- Es ON delay with control contact
- Wu Single shot leading edge voltage controlled
- Bp Flasher pause first
- Wt Pulse detection

CTRO44831

- 7 functions
- 7 time ranges
- Multi voltage 12-240V AC/DC
- 1 change over contact
- Width 17.5mm and 35mm
- Time range 50ms – 100h

Functions
- E ON delay
- R OFF delay
- Ws Single shot leading edge with control input
- Wa Single shot trailing edge with control input
- Es ON delay with control input
- Wu Single shot leading edge voltage controlled
- Bp Flasher pause first

ASK IF YOU CAN'T SEE IT!

We can't list everything - we have over 50,000 products ready for immediate despatch. Call us if you can't see what you want.

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AC-DC PSU: Dimension C Series

- High efficiency and high reliability as PULS standard
- 120% continuous overload design
- Virtually no inrush current

Part No	Phase	Input Voltage	Output Voltage	Current/Power	Dimensions	TRADE PRICE
PULSCP10.121	Single Phase	100-240V AC	12-15V DC	16A	39 x 124 x 117mm	£158.10
PULSCP10.241	Single Phase	100-240V AC	24-28V DC	10A	39 x 124 x 117mm	£137.40
PULSCP10.361	Single Phase	100-240V AC	36-42V DC	6.7A	39 x 124 x 117mm	£158.10
PULSCP10.481	Single Phase	100-240V AC	48-56V DC	5.4A	39 x 124 x 117mm	£151.60
PULSCS5.241	Single Phase	115/230V AC	24-28V DC	5A	32 x 124 x 117mm	£99.80
PULSCP10.241-R2	Single Phase	100-240V AC	24V DC	10A	39 x 124 x 117mm	£176.81
PULSCP20.241	Single Phase	100-240V AC	24V DC	20A	48 x 124 x 127mm	£197.85
PULSCP20.241-R2	Single Phase	100-240V AC	24V DC	20A	48 x 124 x 127mm	£282.01
PULSCT5.241	2 & 3 Phase	100-240V AC	24-28V DC	5A	40 x 124 x 117mm	£118.80
PULSCT10.241	2 & 3 Phase	3AC 380-480V	24-28V DC	10A	62 x 124 x 117mm	£155.90
PULSCT10.481	2 & 3 Phase	3AC 380-480V	48-56V DC	5A	62 x 124 x 117mm	£172.30

AC-DC PSU: Dimension Q Series

- 150% capacity bonus power for buffer and boost requirements
- Active power factor correction
- Quick connect terminals and DC ok Signal
- High efficiency and high reliability as PULS standard

Part No	Phase	Input Voltage	Output Voltage	Current/Power	Dimensions	TRADE PRICE
PULSQS3.241	Single Phase	100-240V AC	24-28V DC	3.4A	34x124x102mm	£105.80
PULSQS5.241	Single Phase	100-240V AC	24-28V DC	5A	40x124x117mm	£141.80
PULSQS5.DNET	Single Phase	100-240V AC	24V DC	3.8A	40x124x117mm	£163.10
PULSQS10.121	Single Phase	100-240V AC	12-15V DC	15A	60x124x117mm	£202.80
PULSQS10.241	Single Phase	100-240V AC	24-28V DC	10A	60x124x117mm	£184.30
PULSQS10.301	Single Phase	100-240V AC	28-32V DC	8A	60x124x117mm	£202.80
PULSQS10.481	Single Phase	100-240V AC	48-56V DC	5A	60x124x117mm	£184.30
PULSQS10.DNET	Single Phase	100-240V AC	24-24.5V DC	8A	60x124x117mm	£212.10
PULSQS20.241	Single Phase	100-240V AC	24-24.5V DC	20A	82x124x127mm	£225.20
PULSQS20.361	Single Phase	100-240V AC	36-42V DC	13.3A	82x124x127mm	£247.60
PULSQS20.481	Single Phase	100-240V AC	48-55V DC	10A	82x124x127mm	£225.20
PULSQS40.244	Single Phase	100-240V AC	24-28V DC	40A	125x124x127mm	£333.70
PULSQS40.484	Single Phase	100-240V AC	48-54V DC	20A	125x124x127mm	£369.20
PULSQT20.241	Three Phase	380-480V AC	24-28V DC	20A	65x124x127mm	£218.60
PULSQT20.361	Three Phase	380-480V AC	36-42V DC	13.3A	65x124x127mm	£240.40
PULSQT20.481	Three Phase	380-480V AC	48-55V DC	10A	110x124x127mm	£218.60
PULSQT40.241	Three Phase	380-480V AC	24-28V DC	40A	110x124x127mm	£333.70
PULSQT40.481	Three Phase	380-480V AC	48-55V DC	20A	110x124x127mm	£369.20

Economically priced AC-DC PSU: Piano Series

- Plastic housing

Part No	Phase	Input Voltage	Output Voltage	Current/Power	Dimensions	TRADE PRICE
PULSPIC120.241C	Single Phase	200-240V AC	24V DC	5A	39 x 124 x 124mm	£60.00
PULSPIC120.241D	Single Phase	100-120V / 200-240V AC	24V DC	5A	39 x 124 x 124mm	£72.00
PULSPIC240.241C	Single Phase	200-240V AC	24V DC	10A	49 x 124 x 124mm	£89.50
PULSPIC240.241D	Single Phase	100-240V AC	24V DC	10A	49 x 124 x 124mm	£108.00
PULSPIC480.241C	Single Phase	200-240V AC	24V DC	20A	49 x 124 x 124mm	£127.68

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

AC-DC PSU: MiniLine Series

- Small size, high power density
- Field tested for over 10 years giving unparalleled reliability
- Battery charging capabilities
- Versatile output voltage options

Part No	Phase	Input Voltage	Output Voltage	Current/Power	Dimensions	TRADE PRICE
PULSML30.241	Single Phase	100-240V AC	24-28V DC	1.3A	22.5 x 75 x 91mm	£37.60
PULSML30.101	Single Phase	100-240V AC	5-5.5V DC	5A	45 x 75 x 91mm	£68.20
PULSML30.102	Single Phase	100-240V AC	10-12V DC	2.5A	45 x 75 x 91mm	£63.80
PULSML30.106	Single Phase	100-240V AC	±12Vdc / ±15V DC	1.5A	45 x 75 x 91mm	£69.30
PULSML60.121	Single Phase	100-240V AC	12-15V DC	4A	45 x 75 x 91mm	£51.80
PULSML60.241	Single Phase	100-240V AC	24-28V DC	2.5A	45 x 75 x 91mm	£47.50

Single Phase DC-DC PSU

- Ideal for voltage drops, long cables, unreliable or unstable DC voltages
- Parallel use for higher power
- Series use for higher voltages

Part No	Input Voltage	Output Voltage	Current/Power	Dimensions	TRADE PRICE
PULSCD5.121	24V DC	12-15V DC	8A	32 x 124 x 102mm	£158.60
PULSCD10.241	24V DC	24V DC	10A	42 x 124 x 117mm	£198.53
PULSCD5.241	24V DC	24-28V DC	5A	32 x 124 x 102mm	£135.80
PULSCD5.242	48V DC	24-28V DC	5A	32 x 124 x 102mm	£149.40
PULSQTD20.241	600V DC	24-28V DC	20A	64 x 124 x 127mm	£235.60

DC UPS, Battery and Buffer Modules

- Single and dual output voltage of 12V DC and 24V DC
- Regulated output voltage and no transfer time on battery
- Both battery and capacitor back up options
- Integrated charging, monitoring and control circuits

Part No	Input Voltage	Output Voltage	Current/Power	Max hold up full/half power	Dimensions	TRADE PRICE
PULSUB10.241	24V DC	24V DC	10A/240W	>80min / >192min	49 x 124 x 117mm	£178.80
PULSUB10.242	24V DC	24V DC	10A/240W	>5Hrs / >11Hrs	49 x 124 x 117mm	£178.80
PULSUBC10.241	24V DC	24V DC	10A/240W	>5min / >11min	123 x 124 x 119mm	£247.60
PULSUB20.241	DC-UPS Control Unit	24V DC			46 x 124 x 127mm	£238.80
PULSPISA11.401	Protection Module	24V DC			45 x 75 x 91mm	£42.50

Redundancy Modules

Part No	Input Voltage	Type	Connection	Input / Output Current	Dimensions	TRADE PRICE
PULSMLY10.241	12-48V DC	Diode	Screw Terminals	2x 5A / 10A	45 x 75 x 91mm	£23.80
PULSYR2.DIODE	24-48V DC	Diode	Screw Terminals	2x 10A / 20A	32 x 124 x 102mm	£44.20
PULSSYR40.241	24-28V DC	Mosfet	Screw Terminals	2x 20A / 40A	36 x 124 x 127mm	£88.30

Also available: - Additional voltages and currents available on all models
        - Conformal coating
        - AS-Interface Power Supplies

- DeviceNet Power Supplies
- Additional Certification: ATEX, Rail and Medical
- Mounting brackets for non-DIN rail mounting

Telemecanique - Proximity Sensors

Telemecanique
Sensors

Detects metal materials up to 60mm

- Standard cylindrical forms: M8, 12, 18, 30 short & long bodies
- Standard cubic, rectangular & flat forms
- Complying with international standards: CE, UL, CSA, CCC, C-Tick, TÜV
- With a top international quality IP67 (With connector) & IP68 (Pre-cabled) (IP69K available)
- With all electric standards including AC/DC power supply
- Temperature range -25 to +70°C

OsiSence Inductive XS - Cylindrical Metal - Industrial applications

■ **12-24V & 24-48V DC SUPPLY VOLTAGE- 3 WIRE - DISCRETE OUTPUT (1)**

Part No	Description	Sensing Range	Electrical Output	TRADE PRICE
Cylindrical M8 - Metal				
TQXS608B1PAL2	Long Body, 2m Cable, Flush	2.5mm	PNP - NO	£44.28
TQXS608B1PAM12	Long Body, M12 Connector, Flush	2.5mm	PNP - NO	£41.36
Cylindrical M12 - Metal				
TQXS612B1PAL2	Long Body, 2m Cable, Flush	4mm	PNP - NO	£36.90
TQXS612B1PAM12	Long Body, M12 Connector, Flush	4mm	PNP - NO	£34.47
TQXS612B4PAL2	Long Body, 2m Cable, Non-flush	7mm	PNP - NO	£39.35
TQXS612B4PAM12	Short Body, M12 Connector, Non-flush	7mm	PNP - NO	£38.60
TQXS512B1PAL2	Short Body, 2m Cable, Flush	2mm	PNP - NO	£34.21
TQXS512B1PAM12	Short Body, M12 Connector, Flush	2mm	PNP - NO	£32.58
TQXS112B3PAL2	Short Body, 2m Cable, Flush	4mm	PNP - NO	£33.86
TQXS112B3PAM12	Short Body, M12 Connector, Flush	4mm	PNP - NO	£32.26
Cylindrical M18 - Metal				
TQXS518B1PAL2	Long Body, 2m Cable, Flush	5mm	PNP - NO	£35.92
TQXS518B1PAM12	Long Body, M12 Connector, Flush	5mm	PNP - NO	£34.21
TQXS118B3PAL2	Long Body, 2m Cable, Flush	8mm	PNP - NO	£36.19
TQXS118B3PAM12	Long Body, M12 Connector, Flush	8mm	PNP - NO	£34.47
Cylindrical M30 - Metal				
TQXS630B1PAL2	Long Body, 2m Cable, Flush	15mm	PNP - NO	£52.60
TQXS630B1PAM12	Long Body, M12 Connector, Flush	15mm	PNP - NO	£50.09
TQXS630B4PAL2	Long Body, 2m Cable, Non-flush	22mm	PNP - NO	£43.40
TQXS630B4PAM12	Long Body, M12 Connector, Non-flush	22mm	PNP - NO	£29.80

(1) 12-48V DC supply for references starting with XS6

OsiSence Inductive XS - Rectangular Plastic - Industrial applications

Body	Description	Sensing Range	Electrical Output	TRADE PRICE
Cubic Design - 12-48V DC supply voltage				
TQXS7C2A1PAM12	Compact 40x40x70mm, 3wire, M12 Connector, Flush	15mm	PNP - NO	£41.83
TQXS8C2A1PCM12	Compact 40x40x70mm, 3wire, M12 Connector, Flush	20mm	PNP - NO+NC	£36.99
TQXS8C2A4PCM12	Compact 40x40x70mm, 3wire, M12 Connector, Non-flush	40mm	PNP - NO+NC	£43.99
TQXS8C4A1PCG13	Compact 40x40x117mm, 4wire, Screw terminals (2), Flush	20mm	PNP - NO+NC	£45.21
TQXS8C4A4PCG13	Compact 40x40x117mm, 4wire, Screw terminals (2), Non-flush	40mm	PNP - NO+NC	£56.45
Rectangular Plastic - 12-24V DC supply voltage				
TQXS7J1A1PAL2	Miniature 8x32x8mm, 2m cable, Flush	2.5mm	PNP - NO	£21.97
TQXS7C1A1PAL2	Standard 40x40x15mm, 2m cable, Flush	15mm	PNP - NO	£26.52
TQXS7D1A1PAL2	Standard 80x80x26mm, 2m cable, Flush	40mm	PNP - NO	£35.43
TQXS8D1A1PAL2	Standard 80x80x26mm, 2m cable, Flush	60mm	PNP - NO	£102.40

(2) Sensors supplied with cable entry PG13.5

Industrial Controls

Electrical Installation

Lighting

Industrial Controls

Electrical Installation

Lighting

Telemecanique - Proximity Sensors

Telemecanique
Sensors

Detects insulate or conductive materials up to 20mm

- Standard cylindrical forms: M8, 12, 18, 30 short & long bodies
- Complying with international standards: CE, UL, CSA
- With a top international quality IP67 (With connector) & IP68 (Pre-cabled) (IP69K available)
- With all electric standards including AC/DC power supply
- Temperature range -25 to +70ºC
- Flush & non-flush mounting ranges available

OsiSence Capacitive - Cylindrical - Industrial applications

■ **12-24V DC SUPPLY VOLTAGE - DISCRETE OUTPUT**

Part No	Description	Sensing Range	Electrical Output	TRADE PRICE
Cylindrical M18				
TQXT118B1PAL2	Metal, 2m Cable, Flush	5mm	PNP - NO	£86.09
TQXT218A1PAL2	Plastic, 2m Cable, Non-Flush	8mm	PNP - NO	£79.70
TQXT118B1PCM12	Metal, M12 Connector, Flush	5mm	PNP - NO+NC	£87.89
TQXT218A1PCM12	Plastic, M12 Connector, Non-Flush	8mm	PNP - NO+NC	£80.61
Cylindrical M30				
TQXT130B1PAL2	Metal, 2m Cable, Flush	10mm	PNP - NO	£84.26
TQXT230A1PAL2	Plastic, 2m Cable, Non-Flush	15mm	PNP - NO	£76.98
TQXT130B1PCM12	Metal, M12 Connector, Flush	10mm	PNP - NO+NC	£85.19
TQXT230A1PCM12	Plastic, M12 Connector, Non-Flush	15mm	PNP - NO+NC	£77.90

OsiSence Inductive - Cylindrical - Position control

■ **12-24V DC SUPPLY VOLTAGE - 3 WIRE - ANALOGUE OUTPUT**

Part No	Description	Sensing Range	Electrical Output	TRADE PRICE
Cylindrical M18				
TQXS4P18AB110	Plastic, 2m Cable, Non-Flush	8mm	0...10V	£87.21
TQXS4P18AB120	Plastic, 2m Cable, Non-Flush	8mm	4...20mA	£86.27
TQXS1M18AB120	Metal, 2m Cable, Flush	5mm	4...20mA	£101.87
Cylindrical M30				
TQXS4P30AB110	Plastic, 2m Cable, Non-Flush	15mm	0...10V	£87.11
TQXS4P30AB120	Plastic, 2m Cable, Non-Flush	15mm	4...20mA	£89.46
TQXS1M30AB120	Metal, 2m Cable, Flush	10mm	4...20mA	£97.32

Proximity Sensors - Special Applications
OsiSence Inductive - Cylindrical & Rectangular - Rotation control

■ **24-240V AC/DC SUPPLY VOLTAGE - 2 WIRE - ANALOGUE OUTPUT**

Part No	Description	Sensing Range	Electrical Output	TRADE PRICE
Cylindrical M30				
TQXSAV11801	Metal - 150 impulses/min, 2m Cable, Flush	10mm	NC	£128.60
TQXSAV12801	Metal - 3000 impulses/min, 2m Cable, Flush	10mm	NC	£128.60
Rectangular Plastic - 26x26x13mm				
TQXS9E11RMBL01U20	Standard, Plastic - 6000 implses/min, Flush	10mm	NC	£156.86

Accessories

Part No	Description	TRADE PRICE	Part No	Description	TRADE PRICE
TQXSZB108	M08 Fixing clamp, Plastic, 8mm	£3.46	TQXSZB130	M30 Fixing clamp, Plastic, 30mm	£5.76
TQXSZB112	M12 Fixing clamp, Plastic, 12mm	£3.46	TQXUZA118	M18 Fixing bracket, Stainless stell, 18mm	£6.38
TQXSZB118	M18 Fixing clamp, Plastic, 18mm	£5.76			

Telemecanique - Photo-electric Sensors

Telemecanique Sensors

Multiple applications

- All industrial detection system modes such as: Thru-beam, Reflex, Reflex polarised, Diffuse and Diffuse with background suppression
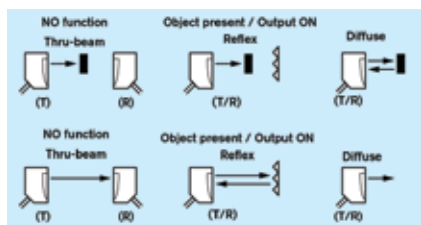
OsiSence Photo-electric - Industrial applications

■ **12-24V DC SUPPLY VOLTAGE - 3 WIRE - DISCRETE OUTPUT**

Part No	Description	Sensing Range	Electrical Output	TRADE PRICE
Cylindrical M18 - Metal				
TQXUB4BPANL2	2m Cable, Diffuse	0.1m	PNP - NO	£54.21
TQXUB5BPANL2	2m Cable, Diffuse	0.6m	PNP - NO	£62.73
TQXUB4BPANM12	M12 Connector, Diffuse	0.1m	PNP - NO	£54.74
TQXUB5BPANM12	M12 Connector, Diffuse	0.6m	PNP - NO	£62.73
TQXUB1BPANL2	2m Cable, Reflex	4m	PNP - NO	£54.74
TQXUB1BPANM12	M12 Connector, Reflex	4m	PNP - NO	£54.74
TQXUB9BPANL2	2m Cable, Polarised	2m	PNP - NO	£60.65
TQXUB9BPANM12	M12 Connector, Polarised	2m	PNP - NO	£60.65
TQXUB2BKSNL2T	Transmitter, 2m Cable, Infrared thru beam	15m	PNP - NO	£34.41
TQXUB2BPANL2R	Receiver, 2m Cable, Infrared thru beam	15m	PNP - NO	£52.47
TQXUB2BKSNM12T	Transmitter, M12 Connector, Infrared thru beam	15m	PNP - NO	£34.41
TQXUB2BNANM12R	Receiver, M12 Connector, Infrared thru beam	15m	PNP - NO	£50.83
Miniature Design - Plastic				
TQXUM5APCNL2	34x20mm, 2m Cable, Diffuse	1m	PNP - NO	£66.05
TQXUM5ANCNM8	34x20mm, M8 Connector, Diffuse	1m	PNP - NO	£62.83
TQXUM8APCNL2	34x20mm, 2m Cable, BGS	0.3m	PNP - NO	£65.78
TQXUM8APCNM8	34x20mm, M8 Connector, BGS	0.3m	PNP - NO	£94.91
TQXUM9APCNL2	34x20mm, 2m Cable, Polarised	5m	PNP - NO / NC	£68.46
TQXUM9APCNM8	34x20mm, M8 Connector, Polarised	5m	PNP - NO / NC	£67.73
Compact Design - Plastic				
TQXUK5APANL2	50x50mm, 2m Cable, Diffuse	1m	PNP - NO	£65.11
TQXUK5APANM12	50x50mm, M12 Connector, Diffuse	1m	PNP - NO	£65.11
TQXUK1APANL2	50x50mm, 2m Cable, Reflex	7m	PNP - NO	£65.11
TQXUK1APANM12	50x50mm, M12 Connector, Reflex	7m	PNP - NO	£65.11
TQXUK8AKSNL2	50x50mm, 2m Cable, BGS	1m	PNP/NPN - NO / NC	£118.75
TQXUK9TAH2MM12	8 wire (1) 50x50mm, M12 Connector, Laser (reflex)	70m	4-20mA Analog + 2PNP	£339.58

(1) Cable available in "Accessories" part.

Accessories

Part No	Description	TRADE PRICE
TQXUZC50	Reflector	£12.97
TQXZCP29P12L2	Cable for XUK9T, 8-PIN M12	£20.44

Industrial Controls

Electrical Installation

Lighting

Telemecanique - Photo-electric Sensors

Multiple applications

- Photo-electric Multimode available which means all these five detection systems are available in only one reference. This major innovation gives a greater simplicity of choice setup and maintenance management.

Telemecanique Sensors

OsiSence Photo-electric - Multimode - Industrial applications

■ **12-24V DC SUPPLY VOLTAGE - 3 WIRE - DISCRETE OUTPUT**

Part No	Description	Electrical Output	TRADE PRICE
Cylindrical M18 - Metal			
TQXUB0BPSNL2	2m cable, Multimode	PNP - NO/NC	£77.98
TQXUB0BPSNM12	M12 Connector, Multimode	PNP - NO/NC	£77.98
TQXUB0BKSNL2T	2m cable, Multimode		£45.79
TQXUB0BKSNM12T	M12 Connector, Multimode		£45.79

Detection mode	Sensing distance	Detection mode	Sensing distance
Diffuse	0.3m	BGS	0.12m
Reflex (Polarised)	3m	Thru beam	20m

Part No	Description	Electrical Output	TRADE PRICE
Miniature Design - Plastic			
TQXUM0APSAL2	34x20mm, 2m cable, Multimode	PNP - NO/NC	£82.98
TQXUM0ANSAM8	34x20mm, M8 Connector, Multimode	PNP - NO/NC	£82.98
TQXUM0AKSAL2T	34x20mm, 2m cable, Multimode		£49.57
TQXUM0AKSAM8T	34x20mm, M12 Connector, Multimode		£47.22

Detection mode	Sensing distance	Detection mode	Sensing distance
Diffuse	0.4m	BGS	0.1m
Reflex (Polarised)	3m	Thru beam	10m

Part No	Description	Electrical Output	TRADE PRICE
Compact Design - Plastic			
TQXUK0AKSAL2	50x50mm, 2m cable, Multimode	PNP/NPN - NO/NC	£93.64
TQXUK0AKSAM12	50x50mm, M12 Connector, Multimode	PNP/NPN - NO/NC	£93.64
TQXUK0AKSAL2T	50x50mm, 2m cable, Multimode		£45.68
TQXUK0AKSAM12T	50x50mm, M12 Connector, Multimode		£45.68

Detection mode	Sensing distance	Detection mode	Sensing distance
Diffuse	0.8m	BGS	0.28m
Reflex (Polarised)	11m	Thru beam	30m

Reflector

TQXUZC50		£12.97

OsiSence Photo-electric - Fork - Industrial applications

■ **12-24V DC SUPPLY VOLTAGE - 3 WIRE - DISCRETE OUTPUT**

Part No	Description	Width	Electrical Output	TRADE PRICE
Fork Sensors				
TQXUVR0605PANM8	50x60mm, M8 Connector	50mm	PNP - NO	£67.51
TQXUVR1212PANM8	120x120mm, M8 Connector	120mm	PNP - NO	£92.04

Telemecanique - Pressure switches

- From -1 to 600 bar pressure range (up to 120°C)
- Comply with international standards, CE, UL, CSA & with ROHS directive
- Water tightness minimum IP65 and depending on model IP67 & IP69K
- Overall accuracy 1% of nominal pressure
- Available with the fluid entries: G1/4A, ¼"-18NPT or 7/16-20UNF

Telemecanique Sensors

OsiSence Pressure switches

■ **4-20MA SUPPLY VOLTAGE - DISCRETE OUTPUT**

Part No	Description	Pressure Range (Bar)	TRADE PRICE
Pressure Transmitters			
TQXMLPM00GD21F	M12 Connector	-1...0	£79.96
TQXMLP500MD21F	M12 Connector	-1...0	£79.96
TQXMLP001GD21F	M12 Connector	0...1	£79.96
TQXMLP2D5GD21F	M12 Connector	0...2.5	£79.96
TQXMLP004GD21F	M12 Connector	0...4	£79.96
TQXMLPM01GD21F	M12 Connector	-1...+1	£79.96
TQXMLPM05GD21F	M12 Connector	-1...+1	£79.96
Switch display for XMLP			
TQZMLPA1P2SW	M12 Connector	PNP	£78.63
Pressure Transmitters - Display & switch			
TQXMLR010G1P25	M12 Connector	0...10	£278.18
TQXMLR016G1P25	M12 Connector	0...16	£278.18
TQXMLR025G1P25	M12 Connector	0...25	£278.18
TQXMLR040G1P25	M12 Connector	0...40	£278.18
TQXMLR100M1P25	M12 Connector	0...100	£291.38
TQXMLR160M1P25	M12 Connector	0...160	£285.67
TQXMLR250M1P25	M12 Connector	0...250	£285.67
TQXMLR400M1P25	M12 Connector	0...400	£291.38
TQXMLR600M1P25	M12 Connector	0...600	£291.38
TQXMLRM01G1P25	M12 Connector	-1...0	£278.18

Accessories

Part No	Description	TRADE PRICE
TQXMLPZLH01	Fixing Bracket for ZMLP - Display & Switch - Horizontal surface	£10.00
TQXMLPZLV01	Fixing Bracket for ZMLP - Display & Switch - Vertical	£15.96
TQXZCR1511040A2	Jumper cable XZ - male straight M12 - To connect XMLP to ZMLP	£21.97

CALL THE SPECIALISTS
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Lines open 08.00-17.30

Industrial Controls

Electrical Installation

Lighting

Industrial Controls

Electrical Installation

Lighting

Telemecanique Sensors - Ultrasonic Sensors

Detection of any material

Ultrasonic sensors with solid-state discrete output
- Cylindrical or flat formats
- Sensing distances: 10cm to 8m (adjustable using teach mode).
- PNP or NPN selectable outputs, NO or NC function

OsiSence Ultrasonic - Industrial applications

■ **12-24V DC SUPPLY VOLTAGE - 3 WIRE - DISCRETE OUTPUT**

Part No	Description	Adjustable sensing range	Sensing Range	Electrical Output	TRADE PRICE
Cylindrical M12 - Plastic					
TQXX512A1KAM8	M8 Connector	No	0.05m	PNP/NPN - NO	£206.77
TQXX512A2PAM8	M8 Connector	No	0.1m	PNP - NO	£234.93
Cylindrical M18 - Plastic					
TQXXV18B1PAM12	M12 Connector	No	0.05m	PNP - NO	£81.72
TQXX518A3PAM12	M12 Connector	Yes	0.5m	PNP - NO	£165.23
Cylindrical M30 - Plastic					
TQXX6V3A1PAM12	M12 Connector	Yes	1m	PNP - NO	£298.90
TQXX630A3PCM12	M12 Connector	Yes	8m	PNP - NO+NC	£462.89

OsiSence Ultrasonic - Industrial applications

■ **12-24V DC SUPPLY VOLTAGE - ANALOGUE OUTPUT**

Part No	Description	Adjustable sensing range	Sensing Range	Electrical Output	TRADE PRICE
Cylindrical M30 - Plastic					
TQXX9V3A1F1M12	M12 Connector	Yes	1m	0...10V	£192.95
TQXX9V3A1C2M12	M12 Connector	Yes	1m	4...20mA	£191.12
TQXX930A3A1M12	M12 Connector	Yes	8m	0...10V	£398.64
TQXX930A3A2M12	M12 Connector	Yes	8m	4...20mA	£405.63

Accessories

Part No	Description	TRADE PRICE
TQXXZPB100	Teach mode pushbutton - selection of detection window	£79.16

Use the teach mode accessory to be able to select the detection window

Telemecanique Sensors - Cabling system

Excellent withstand to:
- Industrial environments (cutting oil, etc.)
- Extreme temperatures (-35 to + 90°C)
- Nominal voltage: 320 V, insulation voltage: 2.5 kV

Part No	Description	TRADE PRICE
M8 Connector - PVC (2)		
TQXZCPV0566L2	Straight 2m, 3 PIN	£6.70
TQXZCPV0566L5	Straight 5m, 3 PIN	£9.59
TQXZCPV0666L2	Angled 2m, 3 PIN	£6.85
TQXZCPV0666L5	Angled 5m, 3 PIN	£9.57
TQXZCPV0941L2	Straight 2m, 4 PIN	£7.65
TQXZCPV0941L5	Straight 5m, 4 PIN	£9.59
TQXZCPV1041L2	Angled 2m, 4 PIN	£7.66
TQXZCPV1041L5	Angled 5m, 4 PIN	£9.57

Part No	Description	TRADE PRICE
M12 Connector - PVC		
TQXZCPV1141L2	Straight 2m, 4 PIN	£7.83
TQXZCPV1141L5	Straight 5m, 4 PIN	£9.59
TQXZCPV1241L2	Angled 2m, 4 PIN	£8.06
TQXZCPV1241L5	Angled 5m, 4 PIN	£9.59

(2) PUR cable available on request.

Inductive Sensors from ifm Electronic

- Inductive proximity sensors for all industries
- Wide choice of housing styles and operating voltages
- Innovations include increased ranges and non-ferrous sensing
- Sensors optimised for specific challenging environments
- Large supporting range of mounting and wiring accessories

ifm electronic

■ **INDUCTIVE SENSORS FOR INDUSTRIAL APPLICATION**

Part No	Sensing Range	Dimensions	Material	Protection	Connection	Norm. open/closed	Frequency (Hz)	TRADE PRICE
IFIFS204	4 mm f	M12 / L = 45	Brass	IP 67	M12	NO	700	£53.60
IFIFS205	7 mm nf	M12 / L = 50	Brass	IP 67	M12	NO	700	£53.60
IFIFS208	4 mm f	M12 / L = 70	Brass	IP 67	M12	NO	500	£57.60
IFIFS209	7 mm nf	M12 / L = 70	Brass	IP 67	M12	NO	500	£57.60
IFIFS212	4mm f	M12 / L = 70	Brass	IP 67	M12	NO	700	£54.30
IFIFS213	7mm nf	M12 / L = 70	Brass	IP 67	M12	NO	700	£54.30
IFIGS204	8 mm f	M18 / L = 45	Brass	IP 67	M12	NO	400	£53.60
IFIGS205	12 mm nf	M18 / L = 50	Brass	IP 67	M12	NO	300	£53.60
IFIGS208	8 mm f	M18 / L = 70	Brass	IP 67	M12	NO	400	£58.80
IFIGS209	12 mm nf	M18 / L = 70	Brass	IP 67	M12	NO	400	£58.80
IFIGS212	8mm nf	M18 / L = 70	Brass	IP 67	M12	NO	400	£57.40
IFIGS213	12mm nf	M18 / L = 70	Brass	IP 67	M12	NO	300	£43.40
IFIIS210	15mm nf	M30 / L = 70	Stainless	IP 67	M12	NO	100	£69.90
IFIIS211	22mm nf	M30 / L = 70	Stainless	IP 67	M12	NO	100	£69.90
IFIE5312	2mm f	M8 / L = 62	Brass	IP 67	M12	NO	1000	£61.90
IFIE5388	4mm nf	M8 / L = 62	Brass	IP 67	M12	NO	300	£61.30
IFIE5366	2mm f	M8 / L = 30	Stainless	IP 67	M8	NO	1500	£76.30
IFIE5367	4mm nf	M8 / L = 30	Stainless	IP 67	M8	NO	700	£76.30
IFII5490	10mm f	M30 / L = 78	Brass	IP 67	M12	NO/NC	400	£55.30
IFII5492	15mm f	M30 / L = 78	Brass	IP 67	M12	NO/NC	400	£54.30
IFID5055	50mm f	92 x 80 x 40	PPE	IP 67	M12	NO	70	£125.80
IFIM5115	20mm f	40 x 40 x 66	PA	IP 67	M12	NO	100	£54.00
IFIM5116	35mm nf	40 x 40 x 66	PA	IP 67	M12	NO	80	£54.00
IFIM5117	40mm nf	40 x 40 x 66	PA	IP 67	M12	NO	60	£54.00
IFIS5026	2mm f	28 x 10 x 16	PBT	IP 67	Cable 2m	NO/NC	2000	£52.70
IFIN5121	2mm f	40 x 12 x 26	PBT	IP 67	Cable 2m	NO	1400	£51.70
IFIN5129	4mm nf	40 x 12 x 26	PBT	IP 67	Cable 2m	NO	1300	£51.70
IFIN5230	2mm f	40 x 12 x 26	PBT	IP 67	M8	NO	250	£61.60
IFIN5212	4mm nf	40 x 12 x 26	PBT	IP 67	M8	NO	250	£61.60

■ **WELD IMMUNE INDUCTIVE SENSORS**

Part No	Sensing Range	Dimensions	Material	Protection	Connection	Norm. open/closed	Frequency (Hz)	TRADE PRICE
IFIFW200	3mm f	M12 / L = 65	Brass	IP 67	M12	NO	4000	£60.00
IFIFW201	8mm nf	M12 / L = 65	Brass	IP 67	M12	NO	4000	£73.10
IFIGW200	5mm f	M18 / L = 65	Brass	IP 67	M12	NO	2000	£77.00
IFIGW201	12mm nf	M18 / L = 65	Brass	IP 67	M12	NO	2000	£77.00
IFIIW200	10mm nf	M30 / L = 65	Brass	IP 67	M12	NO	1000	£81.30
IFIIW201	22mm nf	M30 / L = 65	Brass	IP 67	M12	NO	1000	£81.30
IFIM5119	20mm f	40 x 40 x 66	PA	IP 67	M12	NO	200	£60.40
IFIM5120	35mm nf	40 x 40 x 66	PA	IP 67	M12	NO	200	£60.40
IFIM5129	40mm nf	40 x 40 x 66	PA	IP 67	M12	NO	200	£60.40

Industrial Controls

Electrical Installation

Lighting

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■ INDUCTIVE SENSORS FOR FOOD APPLICATIONS

Part No	Sensing Range	Dimensions	Material	Protection	Connection	Norm. open/closed	Frequency (Hz)	TRADE PRICE
IFIFT200	7mm nf	M12 / L = 50	V4A	IP 68 / 69K	M12	NO	800	£64.40
IFIFT201	7mm nf	M12 / L = 50	V4A	IP 68 / 69K	M12	NC	800	£64.40
IFIFT202	7mm nf	M12 / L = 70	V4A	IP 68 / 69K	M12	NO	700	£72.30
IFIFT203	4mm f	M12 / L = 45	V4A	IP 68 / 69K	M12	NO	800	£64.40
IFIFT216	7mm nf	M12 / L = 70	Stainless	IP 68 / 69K	M12	NO	700	£69.20
IFIFT217	3.5mm f	M12 / L = 70	Stainless	IP 68 / 69K	M12	NO	700	£69.20
IFIGT200	12mm nf	M18 / L = 50	V4A	IP 68 / 69K	M12	NO	300	£64.40
IFIGT201	12mm nf	M18 / L = 50	V4A	IP 68 / 69K	M12	NC	400	£64.40
IFIGT205	8mm f	M18 / L = 70	V4A	IP 68 / 69K	M12	NO	400	£72.30
IFIGT220	12mm nf	M18 / L = 70	Stainless	IP 68 / 69K	M12	NO	300	£68.00
IFIGT219	8mm f	M18 / L = 46	Stainless	IP 68 / 69K	M12	NO	400	£69.20
IFIIT212	15mm f	M30 / L = 50	Stainless	IP 68 / 69K	M12	NO	100	£84.30
IFIIT213	22mm nf	M30 / L = 50	Stainless	IP 68 / 69K	M12	NO	100	£84.30
IFIFT206	4mm f	M12 / L = 50	Stainless	IP 68 / 69K	Cable 6m	NO	700	£73.00
IFIFT208	7mm nf	M12 / L = 61	Stainless	IP 68 / 69K	Cable 6m	NO	700	£73.50
IFIGT206	8mm f	M18 / L = 57	Stainless	IP 68 / 69K	Cable 6m	NO	400	£73.50
IFIGT208	12mm nf	M18 / L = 62	Stainless	IP 68 / 69K	Cable 6m	NO	300	£73.50
IFIIT207	22mm nf	M30 / L = 59	Stainless	IP 68 / 69K	Cable 6m	NO	100	£76.40
IFIIT209	14mm f	M30 / L = 59	Stainless	IP 68 / 69K	Cable 6m	NO	100	£76.40

■ INDUCTIVE SENSORS WITH FULL METAL FACE

Part No	Sensing Range	Dimensions	Material	Protection	Connection	Norm. open/closed	Frequency (Hz)	TRADE PRICE
IFIER200	2mm nf	M8 / L = 60	Stainless	IP 67 / 68	M12	NO	100	£59.50
IFIFR200	4mm f	M12 / L = 60	Stainless	IP 67	M12	NO	2	£55.00
IFIGR200	6mm nf	M18 / L = 70	Stainless	IP 67	M12	NO	2	£55.00
IFIIR200	12mm f	M30 / L = 70	Stainless	IP 67	M12	NO	2	£67.00

Cylinder Sensors from ifm Electronic

- Solid-state position feedback sensors for pneumatic cylinders
- Suitable for most commonly used T-slot and C-slot designs
- Simplified mounting for ease of use and time saving
- Robust construction due to two shot moulding process
- Range of mounting accessories

■ CYLINDER SENSORS

Part No	Cylinder Type	Switching Output	Connector/Cable (m)	TRADE PRICE
IFMK5100	T-slot	3-wire DC, PNP, no	2m PUR	£32.00
IFMK5128	T-slot	3-wire DC, PNP, no	2m PUR, (IP68 / 69 K)	£38.60
IFMK5101	T-slot	3-wire DC, PNP, no	0.3 PUR, M8 snap-fit connector	£33.80
IFMK5107	T-slot	3-wire DC, PNP, no	0.3m PUR, M12 connector	£36.30
IFMK5300	C-slot	3-wire DC, PNP, no	2m PUR	£36.40
IFMK5301	C-slot	3-wire DC, PNP, no	0.3 PUR, M8 snap-fit connector	£38.50
IFMK5304	C-slot	3-wire DC, PNP, no	0.3m PUR, M12 connector	£40.50

■ MOUNTING ACCESSORIES

Part No	Selection criterion	TRADE PRICE
IFE11913	Ø tie-rod 3...5mm	£5.00
IFE11975	Ø clean line 10...16mm	£6.50
IFE11777	Ø clean line 32mm	£14.80
IFE11778	Ø clean line 40mm	£15.10

Valve Sensors from ifm Electronic

ifm electronic

- Dual inductive feedback sensors for valves and actuators
- Straightforward fit to standard actuators based on VDI/VDE 3845
- AS-i dual sensor for quick and safe installation due to 'plug & play'
- Compact, weatherproof and low maintenance
- Also available as complete set including all the accessories for a valve

◼ VALVE SENSORS

Part No	Sensing Range	Dimensions	Material	Protection	Connection	Norm. open/closed	Frequency (Hz)	TRADE PRICE
IFIN0110	4mm nf	40 x 26 x 40	PBT	IP 67	Cable 2m	NO/NC	25 / 50	£157.00
IFIN5225	7mm nf	40 x 26 x 26	PBT	IP 67	M12	NO/NC	1300	£107.00
IFIN5327	8mm nf	40 x 26 x 47	PBT	IP 67	M12	NO/NC	1300	£104.80

◼ TARGET PUCKS FOR VALVE SENSORS

Part No	Selection criterion	TRADE PRICE
IFE17320	Ø 53mm, target puck	£10.40
IFE17327	Ø 65mm, target puck	£25.60

Capacitive Sensors from ifm Electronic

- High operational reliability due to increased noise immunity
- Sensing range adjustable by means of a potentiometer or pushbutton
- Plastic or metal housing for different applications
- Variable: connector, connection cable or connection terminals
- Assortment of tank and sight glass mounting accessories

◼ CAPACITIVE SENSORS FOR INDUSTRIAL APPLICATIONS

Part No	Sensing Range	Dimensions	Material	Protection	Connection	Norm. open/closed	Frequency (Hz)	TRADE PRICE
IFKF5001	4mm f	M12 / L = 60	Stainless	IP 65	M12	NO	50	73.80
IFKF5002	8mm nf	M12 / L = 60	Stainless	IP 65	M12	NO	50	73.80
IFKG5065	12mm nf	M18 / L = 87	Plastic	IP 65/ IP 67	M12	NO/NC	10	105.50
IFKI5082	20mm nf	M30/ L = 90	Plastic	IP 65/ IP 67	M12	NO/NC	10	87.80
IFKD5018	60mm nf	105 x 80 x 40	Plastic	IP 65	Terminal	NO/NC	10	173.10

Industrial Controls

Electrical Installation

Lighting

Photoelectric Sensors
from ifm Electronic

- Photocells for general purpose and for harsh environments
- Visible red and infrared light sources
- Long ranges and accurate background suppression
- Choice of standard industrial and high performance units
- Accessories for simple fitting and extra mechanical protection

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■ PHOTOELECTRIC SENSORS INFRARED

Part No	Function	Sensing Range	Type	Spot Ø at max. range (mm)	Output L = light-on D = dark-on	Connection	TRADE PRICE
IFOF5012	Diffuse reflection sensor	1...200mm	M12 barrel	92	L/D PNP	M12	£104.10
IFOF5027	Diffuse reflection sensor	1...400mm	M12 barrel	185	L/D PNP	M12	£109.90
IFOGP300	Retro-reflective polariz. filter	0.03…4m	M18 barrel	160	D PNP	M12	£99.80
IFOGP301	Retro-reflective polariz. filter	0.03…4m	M18 barrel	160	L PNP	M12	£99.80
IFOGP500	Retro-reflective polariz. filter	0.03...5m	M18 barrel	200	L/D PNP	M12	£99.50
IFOGS500	Through beam transmitter	25m	M18 barrel	1000	–	M12	£65.00
IFOGE500	Through beam receiver	25m	M18 barrel	–	L/D PNP	M12	£80.40
IFOGH500	Diffuse reflection sensor	0.0015...0.3m	M18 barrel	25	L/D PNP	M12	£105.60
IFOGT500	Diffuse reflection sensor	0.02 …800mm	M18 barrel	66	L/D PNP	M12	£78.50
IFOJP200	Retro-reflective polariz. filter	1.8m	Side looking	64	D PNP	M8	£75.50
IFOJS200	Through beam transmitter	10m	Side looking	1000	–	M8	£50.30
IFOJE200	Through beam receiver	10m	Side looking	–	D PNP	M8	£51.20
IFOJH200	Diffuse reflection sensor	0.1m	Side looking	< 13	L PNP	M8	£65.40
IFO5S500	Through beam transmitter	25m	Side looking	625	–	M12	£72.90
IFO5E500	Through beam receiver	25m	Side looking	–	L/D PNP	M12	£93.00
IFO5P500	Retro-reflective polariz. filter	0.075...10m	Side looking	250	L/D PNP	M12	£89.90
IFO5H500	Diffuse reflection sensor	0.05...1.8m	Side looking	13	L/D PNP	M12	£117.50
IFO4S500	Through beam transmitter	80m	Side looking	2400	–	M12	£77.70
IFO4E500	Through beam receiver	80m	Side looking	–	L/D PNP	M12	£95.00
IFO4P500	Retro-reflective polariz. filter	0.3...22m	Side looking	660	L/D PNP	M12	£94.60
IFO4H500	Diffuse reflection sensor	0.01...2.6m	Side looking	50	L/D PNP	M12	£123.50
IFO1D100	Optical distance sensor	0.2...10m	Side looking	6	programmable	M12	£254.60

■ REFLECTORS FOR PHOTOELECTRIC SENSORS

Part No	Selection criterion	TRADE PRICE
IFE20005	80mm circular reflector	£7.90
IFE20452	45mm x 28mm rectangular reflector	£5.40
IFE20453	93mm x 45mm rectangular reflector	£9.80

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Robust Optical Fork and Angle Sensors with High Switching Frequency from ifm Electronic

- Metal housing reduces distortion
- Quick set-up: no need to align transmitter and receiver
- Easy sensitivity setting via potentiometer
- Light-on/dark-on mode via rotary switch
- Across the whole fork width: fine and precise light beam

■ FORK AND ANGLE SENSORS

Part No	Fork Width/ Depth (mm)	Side lengths/ Sensor width (mm)	Type	Smallest detectable object	Frequency (Hz)	Output L = light-on D = dark-on	Connection	TRADE PRICE
IFOPU201	20 / 25	–	Fork	0.4	4000	L/D select	M8	£133.50
IFOPU202	30 / 35	–	Fork	0.4	4000	L/D select	M8	£155.20
IFOPU203	50 / 55	–	Fork	0.4	4000	L/D select	M8	£167.10
IFOPU204	80 / 55	–	Fork	0.4	4000	L/D select	M8	£181.50
IFOPU205	120 / 60	–	Fork	0.4	2000	L/D select	M8	£184.30
IFOPL200	–	50 / 60	Angle	0.4	4000	L/D select	M8	£173.80
IFOPL201	–	80 / 100	Angle	0.4	4000	L/D select	M8	£189.70

Pressure Sensors from ifm Electronic

- Transmitters or sensors with integrated control monitor
- Units with special design for hygienic applications
- Measuring principles with overload protection and a good long-term stability
- Measuring range from −1…600 bar
- Variable process connection and sealing technology via adaptor

■ PRESSURE SENSORS FOR INDUSTRIAL APPLICATION

Part No	Process connection	Display LED	Measuring range (bar)	Poverload max. (bar)	Pbursting max. (bar)	Ub DC (V)	Output	TRADE PRICE
IFPK6520	G¼ A/M5 I	Operation	0…400	600	1600	9.6…32	NO/NC DC PNP	£117.40
IFPK6521	G¼ A/M5 I	Operation	0…250	400	1000	9.6…32	NO/NC DC PNP	£117.40
IFPK6522	G¼ A/M5 I	Operation	0…100	200	1000	9.6…32	NO/NC DC PNP	£117.40
IFPK6523	G¼ A/M5 I	Operation	0…25	60	500	9.6…32	NO/NC DC PNP	£117.40
IFPK6524	G¼ A/M5 I	Operation	0…10	25	300	9.6…32	NO/NC DC PNP	£117.40
IFPT3540	G¼ A	–	0…400	600	1600	8.5…32	4…20 mA DC	£117.90
IFPT3541	G¼ A	–	0…250	400	1000	8.5…32	4…20 mA DC	£117.90
IFPT3542	G¼ A	–	0…100	200	1000	8.5…32	4…20 mA DC	£117.90
IFPT3543	G¼ A	–	0…25	60	500	8.5…32	4…20 mA DC	£117.90
IFPT3544	G¼ A	–	0…10	25	300	8.5…32	4…20 mA DC	£117.90

Temperature Sensors from ifm Electronic

- Increased process safety due to self-monitoring
- Integrated or separate control monitors selectable
- Modular concept – tailor-made for every application
- Optional fittings for variable connection
- Robust construction for high resistance to shock and vibration

■ TEMPERATURE SENSORS FOR INDUSTRIAL APPLICATIONS

Part No	Measuring range (°C)	Process connection	Probe length (mm)	Ub DC (V)	Output	Dynamic response T05/T09 (s)	TRADE PRICE
IFTK6130	−25…140	G¼ A	39	9.6…32	NO/NC PNP	1/3	£85.70
IFTP3231	−50…150	M12	–	20…32	4…20mA	for Pt100 and Pt1000 probes	£55.10
IFTP3237	0…100	M12	–	20…32	4…20mA	for Pt100 and Pt1000 probes	£55.10

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

■ PROBES AND ACCESSORIES

Part No	Selection criterion	TRADE PRICE
IFTT1050	−40...150°C, Pt1000, 10mm diameter, 160mm length	£60.60
IFTT2050	−40...150°C, Pt1000, 10mm diameter, 260mm length	£63.40
IFTT3050	−40...150°C, Pt1000, 10mm diameter, 360mm length	£62.20
IFE30016	Progressive ring fitting, diameter 10mm to G½	£18.10

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Flow Sensors from ifm Electronic

- For liquids and gases
- Special versions for food applications and hazardous areas
- Optional fittings for variable process connection
- Flow monitoring also for aggressive media

■ FLOW SENSORS FOR INDUSTRIAL APPLICATIONS

Part No	Setting range liquids/ gases (cm/s)	Greatest sensitivity (cm/s)	Medium temperature (°C)	Response time (s)	Ub DC (V)	TRADE PRICE
IFSI5000	3...300 / 200...3000	3...100 / 200...800	−25...80	1...10	19...36	£307.10
IFSI5010	3...300 / 200...3000	3...100 / 200...800	−25...80	1...2 / 1...10	19...36	£307.10

■ PROBES AND ACCESSORIES

Part No	Selection criterion	TRADE PRICE
IFE40096	Adapter M18 x 1.5 to G½	£17.40

Power Supplies from ifm Electronic

- International approval package and wide-range input for worldwide use
- Partly adjustable output voltage
- Power reserves to cover temporary overload or supply failure
- Output short-circuit, overload, and no-load protected
- State signalled via DC-ok output

■ POWER SUPPLIES FOR INDUSTRIAL APPLICATIONS

Part No	Current (A)	Output voltage (V)	Nominal voltage (V)	Efficiency type (%)	TRADE PRICE
IFDN1030	1.25	24...28	100...240 AC	84	£59.80
IFDN1031	2.5	24...28	100...240 AC	88	£70.90
IFDN4012	5	24...28	100...240 AC	88.9	£129.00
IFDN4013	10	24...28 DC (±2%)	115 / 230 AC	90	£168.70
IFDN4032	5	24...28 DC (±2%)	3 x 400...500 AC	89	£150.10
IFDN4033	10	24...28 DC (±2%)	3 x 400...500 AC	90	£175.80
IFDN4034	20	24...28 DC (±2%)	3 x 400 AC	92	£215.20

Connectors and Splitter Boxes from ifm Electronic

The electrical connection of sensors via connectors has become more and more important in the last few years.

Due to the large variety of sensor designs ifm electronic supplies a wide standard range of high-quality products covering the families M8, M12, M18 through to the valve connectors.

ifm electronic

■ WIRABLE M12 5-POLE

Part No	Type	Style	TRADE PRICE
IFE11506	Plug, straight	PG7	£10.30
IFE11859	Plug, straight	PG9	£16.70
IFE11511	Socket, straight	PG7	£10.70
IFE11864	Socket, straight	PG9	£16.70
IFE11507	Plug, 90°	PG7	£10.30
IFE11512	Socket, 90°	PG7	£10.70
IFE11859	Socket, 90°	PG9	£16.70

■ SOCKET M8 3-POLE

Part No	Cable (m)	LEDs	Type	TRADE PRICE
IFEVC141	2	–	Str.	£9.90
IFEVC142	5	–	Str.	£12.20
IFEVC143	10	–	Str.	£16.40
IFEVC144	2	–	90°	£9.90
IFEVC145	5	–	90°	£12.20
IFEVC146	10	–	90°	£16.40

■ SOCKET M8 4-POLE

Part No	Cable (m)	LEDs	Type	LIST PRICE
IFEVC150	2	–	Str.	£10.90
IFEVC151	5	–	Str.	£13.80
IFEVC152	10	–	Str.	£17.00
IFEVC153	2	–	90°	£10.90
IFEVC154	5	–	90°	£13.80
IFEVC155	10	–	90°	£17.00

■ SOCKET M12 4-POLE

Part No	Cable (m)	LEDs	Type	TRADE PRICE
IFEVC001	2	–	Str.	£10.50
IFEVC002	5	–	Str.	£14.40
IFEVC003	10	–	Str.	£17.50
IFEVC004	2	–	90°	£10.50
IFEVC005	5	–	90°	£14.40
IFEVC006	10	–	90°	£17.50
IFEVC007	2	Yes	90°	£11.90
IFEVC008	5	Yes	90°	£15.60
IFEVC009	10	Yes	90°	£22.30

■ PLUG M12 4-POLE TO SOCKET, M12 4-POLE

Part No	Cable (m)	LEDs	Type	TRADE PRICE
IFEVC010	0.3	–	Str.	£13.40
IFEVC011	0.6	–	Str.	£16.20
IFEVC012	1	–	Str.	£14.50
IFEVC013	2	–	Str.	£16.80
IFEVC014	5	–	Str.	£20.80
IFEVC015	0.3	–	90°	£13.70
IFEVC016	0.6	–	90°	£14.00
IFEVC017	1	–	90°	£15.90
IFEVC018	2	–	90°	£15.90
IFEVC019	5	–	90°	£17.80

■ SOCKET M12 4-POLE FOR WET AREAS

Part No	Cable (m)	LEDs	Type	TRADE PRICE
IFEVT001	5	–	Str.	£14.60
IFEVT002	10	–	Str.	£17.70
IFEVT003	25	–	Str.	£27.90
IFEVT004	5	–	90°	£14.60
IFEVT005	10	–	90°	£17.70
IFEVT006	25	–	90°	£27.90

■ PLUG M12 4-POLE FOR WET AREAS

Part No	Cable (m)	LEDs	Type	TRADE PRICE
IFEVT040	0.3	–	Str.	£18.10
IFEVT041	0.6	–	Str.	£18.30
IFEVT042	1	–	Str.	£19.80
IFEVT043	2	–	Str.	£21.10
IFEVT044	5	–	Str.	£21.80
IFEVT045	10	–	Str.	£24.80
IFEVT046	0.3	–	90°	£18.10
IFEVT047	0.6	–	90°	£18.30
IFEVT048	1	–	90°	£19.80
IFEVT049	2	–	90°	£21.10
IFEVT050	5	–	90°	£21.80
IFEVT051	10	–	90°	£24.80

Hygienic Pressure Transducers

- Hygienic design and materials (CIP and SIP capable)
- EHEDG certification and FDA conformance
- Process temperature −20 to +150°C
- For use with fluids or gases
- Zero and span adjustment
- Field connection housing (removable lid with terminals underneath), IP67

SICK
Sensor Intelligence.

Part No	Type Code	Pressure Range	Process Connection	Electrical Output	TRADE PRICE
ER6039291	PHT-RBX25ST10S0AMS0Z	0 to 0.25 Bar	1.5" Triclamp	4-20mA	£346.50
ER6039293	PHT-RB1X0ST10S0AMS0Z	0 to 1 Bar	1.5" Triclamp	4-20mA	£346.50
ER6039294	PHT-RB2X5ST10S0AMS0Z	0 to 2.5 Bar	1.5" Triclamp	4-20mA	£346.50
ER6039296	PHT-RB010ST10S0AMS0Z	0 to 10 Bar	1.5" Triclamp	4-20mA	£346.50
ER6039297	PHT-RB025ST10S0AMS0Z	0 to 25 Bar	1.5" Triclamp	4-20mA	£346.50

Vibrating Tuning Forks

- Universal point level technology for fluids
- For overfill/demand indication or dry pump protection
- Standard and Hygienic versions (CIP and SIP capable)
- Plug and play operation
- M12 4-pin connector, IP67
- 10-55V supply, PNP output

Part No	Type Code	Process Connection	Hygienic	Process Temperature	Probe Length	TRADE PRICE
ER6036351	LFV200-XXSGBTPM	G3/4"	No	−40 to +100°C	66mm	£166.50
ER6036353	LFV200-XXSGATPM	G1"	No	−40 to +100°C	69mm	£180.00
ER6037457	LFV200-XXSGBTPML	G3/4"	No	−40 to +100°C	117mm	£191.70
ER6037293	LFV200-XXSGATPML	G1"	No	−40 to +100°C	117mm	£203.40
ER6036533	LFV200-XXHCLTPM	1" Triclamp	Yes	−40 to +150°C	53mm	£270.00
ER6036534	LFV200-XXHCNTPM	2" Triclamp	Yes	−40 to +150°C	53mm	£286.20

Standard M12 4 pin IP67 cables

Part No	Type Code	Description	For use with	TRADE PRICE
ER6009382	DOL-1204-G02M	IP67 M12 4 pin connector with 2m cable	PBS, PBT, IME12/18/30, LFV200 (not IMF / V18)	£4.73
ER6009866	DOL-1204-G05M	IP67 M12 4 pin connector with 5m cable	PBS, PBT, IME12/18/30, LFV200 (not IMF / V18)	£6.29

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Pressure Switches/Transducers with Display

- 3 in 1: Pressure switch, pressure transducer and pressure switch
- Rotatable housing/display ensures kink free cable routing and visibility of display
- Large bright display making it easy to read
- Finger operated push buttons for easy set-up
- Configurable switched output NO/NC, time delay, hysteresis, limit function/window function etc
- M12 4-pin connector
- Supply 15–35V DC

SICK
Sensor Intelligence.

Part No	Type Code	Pressure Range	Process Connection	Seal Type	Electrical Output	TRADE PRICE
ER6038896	PBS-CB010SG1SSNBMA0Z	−1 to 9 Bar	G1/4" male	NBR	4-20mA + 1 x PNP	£223.20
ER6038888	PBS-RB010SG1SSNBMA0Z	0 to 10 Bar	G1/4" male	NBR	4-20mA + 1 x PNP	£211.50
ER6038891	PBS-RB100SG1SSNBMA0Z	0 to 100 Bar	G1/4" male	NBR	4-20mA + 1 x PNP	£211.50
ER6041724	PBS-RB400SG1SSNBMA0Z	0 to 400 Bar	G1/4" male	NBR	4-20mA + 1 x PNP	£211.50
ER6041614	PBS-CB010SG2SS0BMA0Z	−1 to 9 Bar	G1/4" female	None	4-20mA + 1 x PNP	£223.20
ER6039121	PBS-RB010SG2SS0BMA0Z	0 to 10 Bar	G1/4" female	None	4-20mA + 1 x PNP	£211.50
ER6041615	PBS-RB100SG2SS0BMA0Z	0 to 100 Bar	G1/4" female	None	4-20mA + 1 x PNP	£211.50
ER6041019	PBS-RB400SG2SS0BMA0Z	0 to 400 Bar	G1/4" female	None	4-20mA + 1 x PNP	£211.50

Pressure Transducers without Display

- Compact pressure transducer
- Plug-and-play, no configuration needed
- For use with fluids or gases
- M12 4-pin connector
- Supply 8-30V DC (4–20mA versions), 14-30V DC (0–10V versions)

Part No	Type Code	Pressure Range	Process Connection	Seal Type	Electrical Output	TRADE PRICE
ER6038716	PBT-RB1X0SG1SSNAMA0Z	0 to 1 Bar	G1/4" male	NBR	4-20mA	£91.80
ER6038615	PBT-RB010SG1SSNAMA0Z	0 to 10 Bar	G1/4" male	NBR	4-20mA	£91.80
ER6038640	PBT-RB025SG1SSNAMA0Z	0 to 25 Bar	G1/4" male	NBR	4-20mA	£91.80
ER6038648	PBT-RB100SG1SSNAMA0Z	0 to 100 Bar	G1/4" male	NBR	4-20mA	£91.80
ER6038652	PBT-RB250SG1SSNAMA0Z	0 to 250 Bar	G1/4" male	NBR	4-20mA	£91.80
ER6038656	PBT-RB400SG1SSNAMA0Z	0 to 400 Bar	G1/4" male	NBR	4-20mA	£91.80
ER6038627	PBT-RB1X0SG1SSNVMC0Z	0 to 1 Bar	G1/4" male	NBR	0-10V	£91.80
ER6038638	PBT-RB010SG1SSNVMC0Z	0 to 10 Bar	G1/4" male	NBR	0-10V	£91.80
ER6038642	PBT-RB025SG1SSNVMC0Z	0 to 25 Bar	G1/4" male	NBR	0-10V	£91.80
ER6038650	PBT-RB100SG1SSNVMC0Z	0 to 100 Bar	G1/4" male	NBR	0-10V	£91.80
ER6038654	PBT-RB250SG1SSNVMC0Z	0 to 250 Bar	G1/4" male	NBR	0-10V	£91.80
ER6038658	PBT-RB400SG1SSNVMC0Z	0 to 400 Bar	G1/4" male	NBR	0-10V	£91.80

Industrial Controls

Electrical Installation

Lighting

Photo-electric sensor technology designed specifically to withstand typical food and beverage production environments, the SICK Inox range is based on a proven, high performance sensor core within a V4A/316L housing. Approved by ECOLAB and able to withstand all CIP procedures, the range includes diffuse versions with background suppression and a retro-reflective type for reliable detection of glass and transparent materials.

SICK
Sensor Intelligence.

MINIATURE TYPES 45mm x 22mm x 15mm

- Hygienic design, full stainless steel housing construction
- Protection against moisture ingress beyond IP69K (when installed using approved accessories below)
- Patented metal membrane teach button
- 'Best in Class' background suppression (diffuse types)
- Retro-reflective type for glass and transparent materials
- NPN versions available

Part No	Type Code	Optical Type	Sensing Range	Special Feature	Electrical Output	Electrical Connection	TRADE PRICE
ER1046396	WTB4S-3P2232V	Diffuse	120mm	B. Suppres	PNP	M8 connect	£167.35
ER1046383	WTB4S-3P2262V	Diffuse	500mm	B. Suppres	PNP	M8 connect	£157.73
ER1046421	WL4S-3P2232V	Retro-refl	2M	Std.	PNP	M8 connect	£117.69
ER1046446	WLG4S-3P2232V	Retro-refl	1M	Glass/trans	PNP	M8 connect	£143.07

CYLINDRICAL TYPES M18

- Stainless steel cylindrical threaded housings and locknuts
- Patented 'touch teach' sensitivity adjustment
- IP69K sealing
- NPN versions available

Part No	Type Code	Optical Type	Sensing Range	Special Feature	Electrical Output	Electrical Connection	TRADE PRICE
ER6035493	VTB18-4P1240V	Diffuse	140mm	B. Suppres	PNP	M12 connect	£159.97
ER6035495	VL18-4P3140V	Retro-refl	2M	Std.	PNP	M12 connect	£79.37
ER6035499	VS/VE12-4P3140V	Through beam pair	20M	Std.	PNP	M12 connect	£126.99

ACCESSORIES connectors and reflectors
(additional types on request)

Part No	Type Code	Description	TRADE PRICE
ER5321097	PL250 CHEM	IP69k reflector (chemical resistant) 52mm x 62mm	£14.76
ER6033670	DOL-0804-G02MN	IP69K Straight Connector M8 4-pole 2M cable	£19.07
ER6033671	DOL-0804-G05MN	IP69K Straight Connector M8 4-pole 5M cable	£17.21
ER6028128	DOL-1204-G02MN	IP69K Straight Connector M12 4-pole 2M cable	£11.40
ER6028130	DOL-1204-G05MN	IP69K Straight Connector M12 4-pole 5M cable	£14.34

Industrial Controls

Electrical Installation

Lighting

Modular Safety Controller – Flexi Soft

Flexi Soft is a programmable and modularly expandable
safety controller capable of being integrated into various networks.

- Compact, 22.5mm width
- RS-232 connection for configuration and real-time diagnostics
- System plug stores the configuration of the safety controller
- Available with EFI interface
- Safety networking of up to four Flexi Soft stations
- Up to 12 input or input/output expansion modules can be
  connected in one system
- Expandable with up to two gateways per system rack
- Less downtime due to gateways, e.g. ProfiNet I/O,
  ProfiBus-DP, EtherCAT, CANopen, Modbus TCP and
  Ethernet (TCP/IP)
- Safe communication without additional hardware reduces
  costs and saves time
- RS-232 connection is standard with all main modules,
  enabling real-time diagnostics for fast commissioning,
  troubleshooting and reduced downtime

SICK
Sensor Intelligence.

faster

Part No	Type Code	Description	TRADE PRICE
ER1043783	FX3-CPU000000	Main Unit	£143.49
ER1043784	FX3-CPU130002	Main Unit with 2 EFI connections	£208.99
ER1044125	FX3-XTIO84002	Extension Unit 8 input/4 output	£228.39
ER1044124	FX3-XTD180002	Expansion Unit 8 input	£158.09
ER1043700	FX3-MPL000001	Memory Plug	£23.50
ER1047162	FX3-MPL100001	Memory Plug for Profinet	£31.27
ER1044076	FX0-GCAN00000	CANopen Gateway	£323.46
ER1044072	FX0-GENT00000	Ethernet/IP Gateway	£327.89
ER1051432	FX0-GETC00000	EtherCAT Gateway	£327.89
ER1044073	FX0-GMOD00000	Modbus TCP Gateway	£327.89
ER1044074	FX0-GPNT00000	Profinet IO Gateway	£327.89
ER1044075	FX0-GPRO00000	Profibus-DP Gateway	£319.65

Technical Specification

Safety Integrity Level	SIL3 (IEC 61508) SILCL3 (IEC 62061)
Performance Level	PLe (EN ISO13849)
Number of inputs	0-96, depending on module combination
Number of outputs	0-48, depending on module combination
Number of EFI interfaces	2
Configuration interface	RS-232
Logical functions	AND, OR, NOT, XNOR, XOR
Safety functions	Emergency stop function, machine control (e.g. PSDI), differentiation between man and material (muting), control modes and operating mode selection
Connection type	M12 8-pin plug
Dimensions	h93.7 x w22.5 x d120.8mm
Operating temperature	0 to +50°C

Industrial Controls

Electrical Installation

Lighting

W Series Modular Terminal Blocks

Weidmüller

Weidmüller's screw mains terminals in the W-series have set the standard for functional perfection down to the very last detail. The combination of many advantages today remains unsurpassed and gives the W-series a unique lead in the market. The W-series offers solutions for conductor cross-sections from 0.05 to 300mm^2 and for all common electrical functions.

The complete range of Weidmüller products is available from ERIKS including the popular SAK and cage clamp Z series terminals; please contact us for further information.

Max Current/ Conductor	WDU 2.5 32A 4mm	WDU 4 41A 6mm	WDU 6 57A 10mm	WDU 10 76A 16mm	WDU 16 101A 25mm	WDU 35 150A 50mm	WDU 50N 192A 70mm
Standard Terminal	WE1020000000	WE1020100000	WE1020200000	WE1020300000	WE1028900000	WE1028800000	WE1820840000
Screw cross-connection							
2-pole	WE1053660000	WE1051960000	WE1052360000	WE1052560000	WE1636560000	WE1079200000	WE1834060000
3-pole	WE1053760000	WE1054560000	WE1054760000	WE1054760000	WE1636570000	WE1079300000	WE1834070000
4-pole	WE1053860000	WE1054660000	WE1054860000	WE1055060000	WE1636580000	WE1079400000	WE1834080000
10-pole	WE1054460000	WE1052060000	WE1052260000	WE1052460000	N/A	N/A	N/A
End plate	WE1050000000	WE1050000000	WE1050000000	WE1050000000	WE1050100000	WE1050100000	WE1059000000
End bracket	WE1061200000	WE1061200000	WE1061200000	WE1061200000	WE1056260000	WE1056260000	N/A

Earth Terminal	WPE 2.5	WPE 4	WPE 6	WPE 10	WPE 16
	WE1010000000	WE1010100000	WE1010200000	WE1010300000	WE1010400000

VPU Series Surge Protection Devices

Weidmüller VPU I (Type I), VPU II (Type II) and VPU III (Type III) surge protection products effectively reduce the interference coupling that can occur from transient surge voltages, even significantly below the limits prescribed by insulation co-ordination according to EN 60664-3/DIN VDE 0110. This means that the whole installation is exposed to fewer malfunctions. The arrestors are co-ordinated meaning that decoupling between Types I, II and III is unnecessary. The arrestors are tested according to product standard IEC 61643-11:2012 / DIN EN 61643-11:2012 and can be installed in systems according to IEC 61643-12 / VDE V0675-6-12 and IEC 62305-4/VDE 0185-4. This lightning and surge protection device is suited for installation in power supply systems. Weidmüller offers different products depending on the particular mains network type and voltage level. Special protection is even available for photovoltaic applications.

Single phase units also available plus products to protect data and signal too.

	VPU I 4 R LCF 280V/25KA	VPU II 4 R 280V/40KA	VPU III R 230V/6KV AC
	WE1351720000	WE1352690000	WE1351650000
Class type	I/II	II/III	III
kA rating	25kA	40kA	3kA
Voltage	280 V	280 V	230 V
Relay output	All above devices contain relay output as standard		

Schneider Electric Mild Steel Wall Enclosure IP66

- Single door IP66
- 3-point locking 600mm high and above
- 120° door opening
- IP66 stainless version accommodates the same accessories
- Cruciform construction
- Plain door with plain chassis

Complete with chassis plate

Part No	Size (mm)	TRADE PRICE
SANSYS3D3320P	300 x 300 x 200	£48.39
SANSYS3D4320P	400 x 300 x 200	£51.77
SANSYS3D4420P	400 x 400 x 200	£54.87
SANSYS3D5425P	500 x 400 x 250	£62.35
SANSYS3D5525P	500 x 500 x 250	£69.71
SANSYS3D6425P	600 x 400 x 250	£85.76

Schneider Electric Key Lock Handle

Part No	TRADE PRICE
SANSYAEDL1242S3D	£7.44

Wall Mounting Stainless Steel S3X

- Enclosures intended for industrial sectors where cleanliness, hygiene and resistance to corrosion are paramount, in areas such as chemicals, petroleum, food and agricultural industries
- Monobloc enclosures are constructed of AISI304 stainless steel, thickness 1mm to 1.5mm. Scotch Brite (AST) mechanical polishing of all surfaces provides excellent resistance to corrosion
- Easy reversal of door opening direction by inversion of enclosure

Part Number	Product description	LIST PRICE	Part Number	Product description	LIST PRICE
SANSYS3X3215	S3X 304L 300x200x150	£141.21	SANSYS3X6625	S3X 304L 600x600x250	£304.48
SANSYS3X302515	S3X 304L 300x250x150	£146.43	SANSYS3X7525	S3X 304L 700x500x250	£326.61
SANSYS3X3315	S3X 304L 300x300x150	£150.90	SANSYS3X8625	S3X 304L 800x600x250	£350.97
SANSYS3X4315	S3X 304L 400x300x150	£158.56	SANSYS3X8830	S3X 304L 800x800x300	£502.19
SANSYS3X4320	S3X 304L 400x300x200	£173.50	SANSYS3X10830	S3X 304L 1000x800x300	£558.69
SANSYS3X4420	S3X 304L 400x400x200	£191.68	SANSYS3X101030	S3X 304L 1000x1000x300	£757.04
SANSYS3X4620	S3X 304L 400x600x200	£218.05	SANSYS3X12830	S3X 304L 1200x800x300	£653.83
SANSYS3X5420	S3X 304L 500x400x200	£218.07	SANSYS3X121030	S3X 304L 1200x1000x300	£835.98
SANSYS3X6420	S3X 304L 600x400x200	£239.85			

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

Compact Modular Steel Floor Standing Enclosure (SM)

Schneider Electric

- IP55 rating for single and double doors conforming to IEC
- IK10 (plain door) IK08 (glazed door) resistance to external mechanical impact
- Frame comes with perforated rails at the front for easy installation of accessories
- Textured polyester powder paint finish, colour grey (RAL7035)
- Available with or without mounting plate
- Door handles come with inserts as standard

Part Number	Product description	LIST PRICE
SANSYSM1610302D	SM wo/mount plate 2D 1600x1000x300	£502.64
SANSYSM1610302DP	SM w/mount plate 2D 1600x1000x300	£565.93
SANSYSM1610402D	SM wo/mount plate 2D 1600x1000x400	£536.72
SANSYSM1610402DP	SM w/mount plate 2D 1600x1000x400	£578.18
SANSYSM1612302D	SM wo/mount plate 2D 1600x1200x300	£550.91
SANSYSM1612302DP	SM w/mount plate 2D 1600x1200x300	£638.10
SANSYSM1612402D	SM wo/mount plate 2D 1600x1200x400	£601.51
SANSYSM1612402DP	SM w/mount plate 2D 1600x1200x400	£537.33
SANSYSM16630	SM wo/mount plate 1600x600x300	£367.71
SANSYSM16630P	SM w/mount plate 1600x600x300	£397.88
SANSYSM16640	SM wo/mount plate 1600x600x400	£382.25
SANSYSM16640P	SM w/mount plate 1600x600x400	£405.32
SANSYSM1810502D	SM wo/mount plate 2D 1800x1000x500	£541.76
SANSYSM1810502DP	SM w/mount plate 2D 1800x1000x500	£627.38
SANSYSM1812402D	SM wo/mount plate 2D 1800x1200x400	£582.69
SANSYSM1812402DP	SM w/mount plate 2D 1800x1200x400	£606.59
SANSYSM1812502D	SM wo/mount plate 2D 1800x1200x500	£702.27
SANSYSM1812502DP	SM w/mount plate 2D 1800x1200x500	£755.44
SANSYSM1816402D	SM wo/mount plate 2D 1800x1600x400	£704.63
SANSYSM1816402DP	SM w/mount plate 2D 1800x1600x400	£781.55
SANSYSM1816502D	SM wo/mount plate 2D 1800x1600x500	£810.32
SANSYSM1816502DP	SM w/mount plate 2D 1800x1600x500	£884.06

Schneider Electric Thalassa
Industrial boxes TBS Series

- IP66 rating conforming to IEC60529
- IK07 (ABS) conforming to IEC62262
- Opaque or transparent covers available
- RAL 7035 grey
- They are self-extinguishing industrial boxes conforming to IEC60695
- Operating temperature −25° to +60°C

Schneider Electric

Part Number	Product description	LIST PRICE
SANSYTBS775	Abs ind box 65x65x47	£2.53
SANSYTBS1176	ABS ind box 105x65x55	£3.38
SANSYTBS885	ABS ind box 80x80x47	£2.75
SANSYTBS1397	ABS ind box 125x80x65	£4.92
SANSYTBS16128	ABS ind box 150x105x55	£7.66
SANSYTBS19128	ABS ind box 175x105x80	£8.34
SANSYTBS191210H	ABS ind box 175x107x80	£4.08
SANSYTBS19168	ABS ind box 175x150x80	£9.23
SANSYTBS191610H	ABS ind box 225x175x80	£11.86
SANSYTBS24198	ABS ind box 225x175x100	£12.19
SANSYTBS241910H	ABS ind box 225x175x120	£12.42
SANSYTBS241912H	ABS ind box 275x175x100	£13.65
SANSYTBS29248	ABS ind box 275x225x80	£15.36
SANSYTBS292412H	ABS ind box 275x225x120	£22.54
SANSYTBS292412	ABS ind box 275x225x120	£24.04
SANSYTBS292416H	ABS ind box 275x225x160	£24.72
SANSYTBS342912	ABS ind box 325x275x160	£33.04
SANSYTBS342916H	ABS ind box 325x275x160	£35.02

Schneider Electric Thalassa Insulated GRP enclosure

- Self-extinguishing monobloc enclosure
- Hot pressed moulded glass fibre reinforced polyester
- IP66 protected conforming to EN60529
- Temperature resistance: −50° to +130°C
- IK10 rating resistance to external mechanical impact
- Closure device outside sealed zone, ensuring long term IP66 degree of protection
- Integral top and bottom protective canopies for improved protection against splashing water

Schneider Electric

Part Number	Product description	LIST PRICE
SANSYPLM43	WM pol PLM 430x330x200 IP66	£83.95
SANSYPLM54	WM pol PLM 530x430x200 IP66	£111.85
SANSYPLM64	WM pol PLM 647x436x250 IP66	£123.35
SANSYPLM75	WM pol PLM 747x536x300 IP66	£189.63
SANSYPLM86	WM pol PLM 847x636x300 IP66	£243.80

Filters, Fans – Ventilation and Thermal Management Systems

- Colour: RAL 7035 as standard, with the option of changing to RAL 7032
- High protection rating of IP54 or IP55
- Broad range of accessories (filter, IP55 and EMC covers, anti-vandalism kit)

Schneider Electric

Part Number	Product description	LIST PRICE
SANSYCVF38M115PF	Filterfan 38m³/h 115V IP54	£88.61
SANSYCVF85M115PF	Filterfan 85m³/h 115V IP54	£107.89
SANSYCVF165M115PF	Filterfan 165m³/h 115V IP54	£128.56
SANSYCVF300M115PF	Filterfan 300m³/h 115V IP54	£221.52
SANSYCVF560M115PF	Filterfan 560m³/h 115V IP54	£192.80
SANSYCVF850M115PF	Filterfan 850m³/h 115V IP54	£209.08
SANSYCVF38M230PF	Filterfan 38m³/h 230V IP54	£77.91
SANSYCVF85M230PF	Filterfan 85m³/h 230V IP54	£92.68
SANSYCVF165M230PF	Filterfan 165m³/h 230V IP54	£100.02
SANSYCVF300M230PF	Filterfan 300m³/h 230V IP54	£118.64
SANSYCVF560M230PF	Filterfan 560m³/h 230V IP54	£150.46
SANSYCVF850M230PF	Filterfan 850m³/h 230V IP54	£178.41

Schneider Electric Thermostat – Thermal Management System

- Control of temperature, humidity or both
- Devices suitable when internal value exceeds the max (cooling action) or min (heating)

Schneider Electric

Part Number	Product description	LIST PRICE
SANSYCCOTHC	Sim.Thermostat (NC Heat) Red (°C)	£20.93
SANSYCCOTHO	Sim.Thermostat (NO Vent.) Blue (°C)	£20.93
SANSYCCOTH230VID	Electronical Thermostat 230V	£50.82
SANSYCCOTHCF	Simple Thermostat (NC Heat) (°F)	£38.40
SANSYCCOTHOF	Simple Thermostat (NO vent.) (°F)	£106.61

Industrial Controls

Electrical Installation

Lighting

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ELECTRICAL INSTALLATION

Product Innov

CEE NORM

One for all: the VARIABOX meets all requirements for a modern distributor housing and can be individually configured in five different sizes. With versions S, M, L, XL and XXL, as surface-mounting or mobile combination, we always have the right distributor for your needs

- Housing made of high-grade, impact resistant plastic
- Top and bottom can be sealed together
- Modular expansion on all 4 sides
- Fuse elements arranged below transparent, lockable operating window with userfriendly OTC mechanism (one touch close)
- All CEE sockets with screwless, maintenance free QUICK-CONNECT technology
- The mounting dimension of the panel mounting socket outlets is not manufacturer-specific (standard dimension)

vation

Part No.	Description	Amp	Volts	Poles
CEEN882214VAR	2GANG 1XRCD S/SKT SPLASHPROOF VARIABOX	16	110	3
CEEN882714VAR	2GANG 1XRCD S/SKT WATERTIGHT VARIABOX	16	110	3
CEEN882216VAR	2GANG 1XRCD S/SKT SPLASHPROOF VARIABOX	16	240	3
CEEN882716VAR	2GANG 1XRCD S/SKT WATERTIGHT VARIABOX	16	240	3
CEEN884316VAR	4GANG 2XRCD S/SKT SPLASHPROOF VARIABOX	16	240	3
CEEN884316WTVAR	4GANG 2XRCD S/SKT WATERTIGHT VARIABOX	16	240	3
CEEN882146VAR	2GANG 1XRCD S/SKT SPLASHPROOF VARIABOX	16	415	5
CEEN882751VAR	2GANG 1XRCD S/SKT WATERTIGHT VARIABOX	16	415	5
CEEN882432VAR	2GANG 1XRCD S/SKT SPLASHPROOF VARIABOX	32	415	5
CEEN882753VAR	2GANG 1XRCD S/SKT WATERTIGHT VARIABOX	32	415	5

VARIABOX

Industrial Controls

Electrical Installation

Lighting

Schneider Electric B Type Breakers

Schneider Electric Acti 9 System protection.
Miniature circuit breakers.
- Protection of circuits against short-circuit currents
- Protection of circuits against overload currents
- Protection of persons against indirect content

Schneider Electric

■ SINGLE POLE – 10KA IC60H MCB CURVE TYPE B

Part No	Amps	TRADE PRICE
MRA9F53101	1	£21.19
MRA9F53102	2	£19.84
MRA9F53104	4	£17.93
MRA9F53106	6	£16.41
MRA9F53110	10	£14.65
MRA9F53116	16	£14.65
MRA9F53120	20	£14.65
MRA9F53125	25	£14.65
MRA9F53132	32	£14.65
MRA9F53140	40	£16.27
MRA9F53150	50	£18.22
MRA9F53163	63	£19.55
MRSEA9BP	Blank	£7.09

■ DOUBLE POLE – 10KA IC60H MCB CURVE TYPE B

Part No	Amps	TRADE PRICE
MRA9F53201	1	£60.65
MRA9F53202	2	£57.23
MRA9F53204	4	£52.98
MRA9F53206	6	£47.04
MRA9F53210	10	£42.59
MRA9F53216	16	£42.59
MRA9F53220	20	£42.59
MRA9F53225	25	£42.59
MRA9F53232	32	£42.59
MRA9F53240	40	£47.15
MRA9F53250	50	£53.15
MRA9F53263	63	£55.48

■ TRIPLE POLE – 10KA IC60H MCB CURVE TYPE B

Part No	Amps	TRADE PRICE
MRA9F53301	1	£86.11
MRA9F53302	2	£81.82
MRA9F53304	4	£77.04
MRA9F53306	6	£69.89
MRA9F53310	10	£63.88
MRA9F53316	16	£63.88
MRA9F53320	20	£63.88
MRA9F53325	25	£63.88
MRA9F53332	32	£63.88
MRA9F53340	40	£69.18
MRA9F53350	50	£78.16
MRA9F53363	63	£81.86

Schneider Electric C Type Breakers

Schneider Electric Acti 9 System protection.
Miniature circuit breakers.
- Protection of circuits against short-circuit currents
- Protection of circuits against overload currents
- Protection of persons against indirect content

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Lines open 08.00-17.30

Schneider Electric

■ SINGLE POLE – 10KA IC60H MCB CURVE TYPE C

Part No	Amps	TRADE PRICE
MRA9F54101	1	£20.96
MRA9F54102	2	£19.68
MRA9F54104	4	£17.41
MRA9F54106	6	£16.41
MRA9F54110	10	£14.65
MRA9F54116	16	£14.65
MRA9F54120	20	£14.65
MRA9F54125	25	£14.65
MRA9F54132	32	£14.65
MRA9F54140	40	£16.27
MRA9F54150	50	£18.01
MRA9F54163	63	£19.46
MRSEA9BP	Blank	£7.09

■ DOUBLE POLE – 10KA IC60H MCB CURVE TYPE C

Part No	Amps	TRADE PRICE
MRA9F54201	1	£58.87
MRA9F54202	2	£55.56
MRA9F54204	4	£51.44
MRA9F54206	6	£47.04
MRA9F54210	10	£42.59
MRA9F54216	16	£42.59
MRA9F54220	20	£42.59
MRA9F54225	25	£42.59
MRA9F54232	32	£42.59
MRA9F54240	40	£47.15
MRA9F54250	50	£52.64
MRA9F54263	63	£54.96

■ TRIPLE POLE – 10KA IC60H MCB CURVE TYPE C

Part No	Amps	TRADE PRICE
MRA9F54301	1	£85.27
MRA9F54302	2	£81.04
MRA9F54304	4	£74.80
MRA9F54306	6	£69.89
MRA9F54310	10	£63.88
MRA9F54316	16	£63.88
MRA9F54320	20	£63.88
MRA9F54325	25	£63.88
MRA9F54332	32	£63.88
MRA9F54340	40	£69.18
MRA9F54350	50	£77.39
MRA9F54363	63	£81.06

Schneider Electric D Type Breakers

Schneider Electric Acti 9 System protection.
Miniature circuit breakers.
- Protection of circuits against short-circuit currents
- Protection of circuits against overload currents
- Protection of persons against indirect content
- Commonly used for motor applications

Schneider Electric

■ SINGLE POLE – 10KA IC60H MCB CURVE TYPE D

Part No	Amps	TRADE PRICE
MRA9F55101	1	£22.10
MRA9F55102	2	£20.74
MRA9F55104	4	£18.40
MRA9F55106	6	£17.34
MRA9F55110	10	£15.40
MRA9F55116	16	£15.40
MRA9F55120	20	£15.40
MRA9F55125	25	£15.40
MRA9F55132	32	£15.40
MRA9F55140	40	£17.13
MRA9F55150	50	£19.04
MRA9F55163	63	£20.54
MRSEA9BP	Blank	£7.09

■ DOUBLE POLE – 10KA IC60H MCB CURVE TYPE D

Part No	Amps	TRADE PRICE
MRA9F55201	1	£63.34
MRA9F55202	2	£59.79
MRA9F55204	4	£54.77
MRA9F55206	6	£49.65
MRA9F55210	10	£44.92
MRA9F55216	16	£44.92
MRA9F55220	20	£44.92
MRA9F55225	25	£44.92
MRA9F55232	32	£44.92
MRA9F55240	40	£49.73
MRA9F55250	50	£54.46
MRA9F55263	63	£56.82

■ TRIPLE POLE – 10KA IC60H MCB CURVE TYPE D

Part No	Amps	TRADE PRICE
MRA9F55301	1	£89.97
MRA9F55302	2	£85.51
MRA9F55304	4	£78.89
MRA9F55306	6	£73.77
MRA9F55310	10	£67.41
MRA9F55316	16	£67.41
MRA9F55320	20	£67.41
MRA9F55325	25	£67.41
MRA9F55332	32	£67.41
MRA9F55340	40	£73.01
MRA9F55350	50	£81.66
MRA9F55363	63	£81.66

Schneider Electric Single Pole RCBO

- Combined MCB/RCD
- Protects from residual current residing in circuit

Schneider Electric

■ SINGLE POLE – 30MA RCBO

Part No	Amps	TRADE PRICE
MRA9D11810	10	£94.69
MRA9D11816	16	£94.69
MRA9D11820	20	£94.69
MRA9D11832	32	£94.69

Schneider Electric Type B Distribution Boards

3-phase 250 amp distribution board.

■ DISTRIBUTION BOARD

Part No	Description	TP Way's	Amp	TRADE PRICE
MRSEA9BN4	4-Way TP Distribution Board	4	250	£202.99
MRSEA9BN6	6-Way TP Distribution Board	6	250	£230.65
MRSEA9BN12	12-Way TP Distribution Board	12	250	£285.89
MRSEA9BN16	16-Way TP Distribution Board	16	250	£414.94
MRSEA9BN24	24-Way TP Distribution Board	24	250	£750.90
MRSEA91253N	125 Amp 3P+N Switch Disconnector	–	125	£75.36
MRSEA91254	125 Amp 4P Switch Disconnector	–	125	£92.51
MRA9A26924	Open/Close Auxillary Switch	–	–	£26.76

Craig & Derricott

British owned company Craig & Derricott have earned a strong reputation for customer service excellence and delivery of high quality products. Specialising in the design, manufacture and overhaul of low voltage electrical control and switchgear, C & D customers extend around the world and operate in a wide variety of markets and sectors including Railway, Construction, Ventilation (Fire Rated), Explosion Proof, Medical, Military, Panel Builders and Power & Distribution.

Craig & Derricott offer a wide range of assembled electrical isolation and control station products, including Explosion Proof Zone 1, 2, 21 & 22; Direct-on-Line Starters, Automatic Transfer Switches; Fire Rated F200, F300 & F400; Grab-wires; and isolators available in plastic, die-cast aluminium, sheet steel and stainless steel.

Craig & Derricott Moulded Plastic Isolators

- Sealing up to IP66
- Range from 25A - 100A. Other formats available on request.
- Material - 25A-40A PA/ABS | 63A PC/ABS | 80A-100A PC
- Colour finish - Grey RAL 7035
- Earth terminals provided in base of enclosure
- Padlockable with up to 3 padlocks in the 'Off' position
- Lid interlocked in 'On' position to prevent the lid from being removed

Part Number	Rating	Format	Enclosure Size (mm WxHxD)	LIST PRICE
CDEDP252		2P		£20.57
CDEDP253	25A	3P		£23.36
CDEDP253N		3P+N		£27.20
CDEDP322		2P		£22.10
CDEDP323	32A	3P	100 x 150 x 108.5	£25.10
CDEDP323N		3P+N		£30.10
CDEDP402	40A	2P		£25.50
CDEDP403		3P		£28.70
CDSDP632		2P		£54.95
CDSDP633	63A	3P	130 x 175 x 115	£54.95
CDSDP633N		3P+N		£62.57
CDSDP803	80A	3P	180 x 255 x 125	£86.13
CDSDP803N		3P+N		£90.39
CDSDP1003	100A	3P	180 x 255 x 175	£117.87
CDSDP1003N		3P+N		£131.54

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Industrial Controls

Electrical Installation

Lighting

Craig & Derricott Die-Cast Aluminium Isolators

- Sealing to IP66
- Range from 25A - 80A. Other formats available on request.
- Material -die-cast aluminium allot LM24
- Colour finish - Grey RAL 7035 alloy
- Earth terminals provided in lid and base of enclosure
- Padlockable with up to 3 padlocks in the 'Off' position
- Lid interlocked in 'On' position to prevent the lid from being removed
- Available in red RAL 3020 on request

Part Number	Rating	Format	Enclosure Size (mm WxHxD)	LIST PRICE
CDSDDG252		2P		£49.20
CDSDDG253	25A	3P		£52.91
CDSDDG253N		3P+N	100 x 135 x 126	£57.21
CDSDDG322		2P		£53.26
CDSDDG323	32A	3P		£54.27
CDSDDG323N		3P+N		£58.59
CDSDDG402		2P		£86.23
CDSDDG403	40A	3P		£86.23
CDSDDG403N		3P+N		£91.86
CDSDD632		2P		£116.00
CDSDDG633	63A	3P	150 x 220 x 160	£116.00
CDSDDG633N		3P+N		£124.03
CDSDDG803	80A	3P		£127.20
CDSDDG803N		3P+N		£133.22

Craig & Derricott Sloping Roof Stainless Steel Isolators

- Ideally suited for hygienic environments with their associated severe cleaning routines
- Sealing to IP66
- Range from 25A - 80A. Other formats available on request.
- Stainless steel Grade 316 enclosure
- Sloping roof design created to minimise areas where dirt can accumulate and incorporates a flush rear surface and universal fixing
- Earth terminals are provided in the base and lid of enclosure
- Padlockable with up to 3 padlocks in the 'Off' position
- Lid interlocked in 'On' position to prevent the lid from being removed

Part Number	Rating	Format	Enclosure Size (mm WxHxD)	LIST PRICE
CDSDSSR252		2P		£160.77
CDSDSSR253EB	25A	3P+2EB AUX		£166.78
CDSDSSR253N		3P+N	135 x 220 x 80	£165.78
CDSDSSR323EB	32A	3P+2EB AUX		£168.91
CDSDSSR403	40A	3P		£186.52
CDSDSSR403N		3P+N		£190.64
CDSDSSR633	63A	3P	185 x 240 x 100	£195.11
CDSDSSR633N		3P+N		£199.67

Industrial Controls

Electrical Installation

Lighting

Mersen Fuses

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBTFP42V125	Fuse BS88 125A 415VAC	A4	125	415	94	£24.09
FZBTFP42V160	Fuse BS88 160A 415VAC	A4	160	415	94	£24.80
FZBTFP42V200	Fuse BS88 200A 415VAC	A4	200	415	94	£25.60

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBTF42V125	Fuse BS88 125A 415VAC	B2	125	415	111	£24.09
FZBTF42V160	Fuse BS88 160A 415VAC	B2	160	415	111	£24.81
FZBTF42V200	Fuse BS88 200A 415VAC	B2	200	415	111	£25.59
FZBTK42V315	Fuse BS88 315A 415VAC	B3	315	415	111	£38.51
FZBTMF42V400	Fuse BS88 400A 415VAC	B3	400	415	111	£49.50

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBNS55V2	Fuse BS88 2A 550VAC	F1	2	550	58.5	£2.73
FZBNS55V4	Fuse BS88 4A 550VAC	F1	4	550	58.5	£2.73
FZBNS55V6	Fuse BS88 6A 550VAC	F1	6	550	58.5	£2.73
FZBNS55V10	Fuse BS88 10A 550VAC	F1	10	550	58.5	£2.76
FZBNS55V16	Fuse BS88 16A 550VAC	F1	16	550	58.5	£2.76
FZBNS55V20	Fuse BS88 20A 550VAC	F1	20	550	58.5	£2.76
FZBNS55V25	Fuse BS88 25A 550VAC	F1	25	550	58.5	£3.15
FZBNS55V32	Fuse BS88 32A 550VAC	F1	32	550	58.5	£3.15

Part No	Description	Type	Amps	Volts	TRADE PRICE
FZFR10AM50V1	10x38mm Industrial Fuse Class aM	aM	1	500V	£0.84
FZFR10AM50V2	10x38mm Industrial Fuse Class aM	aM	2	500V	£0.69
FZFR10AM50V4	10x38mm Industrial Fuse Class aM	aM	4	500V	£0.69
FZFR10AM50V6	10x38mm Industrial Fuse Class aM	aM	6	500V	£0.69
FZFR10AM50V8	10x38mm Industrial Fuse Class aM	aM	8	500V	£0.69
FZFR10AM50V10	10x38mm Industrial Fuse Class aM	aM	10	500V	£0.69
FZFR10AM50V12	10x38mm Industrial Fuse Class aM	aM	12	500V	£0.69
FZFR10AM50V16	10x38mm Industrial Fuse Class aM	aM	16	500V	£0.69
FZFR10AM50V20	10x38mm Industrial Fuse Class aM	aM	20	500V	£0.69
FZFR10AM40V25	10x38mm Industrial Fuse Class aM	aM	25	400V	£0.71
FZFR10AM40V32	10x38mm Industrial Fuse Class aM	aM	32	400V	£0.93

Part No	Description	Type	Amps	Volts	TRADE PRICE
FZFR10GG50V1	10x38mm Industrial Fuse	gG	1	500	£0.80
FZFR10GG50V2	10x38mm Industrial Fuse	gG	2	500	£0.69
FZFR10GG50V4	10x38mm Industrial Fuse	gG	4	500	£0.69
FZFR10GG50V6	10x38mm Industrial Fuse	gG	6	500	£0.69
FZFR10GG50V8	10x38mm Industrial Fuse	gG	8	500	£0.69
FZFR10GG50V10	10x38mm Industrial Fuse	gG	10	500	£0.69
FZFR10GG50V12	10x38mm Industrial Fuse	gG	12	500	£0.69
FZFR10GG50V16	10x38mm Industrial Fuse	gG	16	500	£0.69
FZFR10GG50V20	10x38mm Industrial Fuse	gG	20	500	£0.69
FZFR10GG50V25	10x38mm Industrial Fuse	gG	25	500	£0.69
FZFR10GG40V32	10x38mm Industrial Fuse	gG	32	400	£0.69

Mersen Industrial and Motor Application

mersen

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBNIT55V2	Fuse BS88 2A 550VAC	A1	2	550	44	**£2.84**
FZBNIT55V4	Fuse BS88 4A 550VAC	A1	4	550	44	**£2.84**
FZBNIT55V6	Fuse BS88 6A 550VAC	A1	6	550	44	**£2.84**
FZBNIT55V10	Fuse BS88 10A 550VAC	A1	10	550	44	**£2.84**
FZBNIT55V16	Fuse BS88 16A 550VAC	A1	16	550	44	**£2.84**
FZBNIT55V20	Fuse BS88 20A 550VAC	A1	20	550	44	**£2.99**
FZBNIT55V25	Fuse BS88 25A 550VAC	A1	25	550	44	**£3.05**
FZBNIT55V32	Fuse BS88 32A 550VAC	A1	32	550	44	**£3.05**

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBTIA55V4	Fuse BS88 4A 550VAC	A2	4	550	73	**£4.90**
FZBTIA55V6	Fuse BS88 6A 550VAC	A2	6	550	73	**£4.90**
FZBTIA55V10	Fuse BS88 10A 550VAC	A2	10	550	73	**£4.90**
FZBTIA55V16	Fuse BS88 16A 550VAC	A2	16	550	73	**£4.90**
FZBTIA55V20	Fuse BS88 20A 550VAC	A2	20	550	73	**£4.90**
FZBTIA55V25	Fuse BS88 25A 550VAC	A2	25	550	73	**£4.90**
FZBTIA55V32	Fuse BS88 32A 550VAC	A2	32	550	73	**£4.90**
FZBTIA55V432M40	Fuse BS88 32M40A 550VAC	A2	32M40	550	73	**£7.25**
FZBTIA55V32M50	Fuse BS88 32M50A 550VAC	A2	32M50	550	73	**£7.25**
FZBTIA55V32M63	Fuse BS88 32M63A 550VAC	A2	32M63	550	73	**£7.25**

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBTIS42V40	Fuse BS88 40A 415VAC	A3	40	415	73	**£7.97**
FZBTIS42V50	Fuse BS88 50A 415VAC	A3	50	415	73	**£7.97**
FZBTIS42V63	Fuse BS88 63A 415VAC	A3	63	415	73	**£8.33**
FZBTIS42V63M100	Fuse BS88 63M100A 415VAC	A3	63M100	415	73	**£14.11**
FZBTIS42V80	Fuse BS88 80A 415VAC	A3	80	415	73	**£13.01**
FZBTIS42V100	Fuse BS88 100A 415VAC	A3	100	415	73	**£13.01**

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBTIS42V80	Fuse BS88 80A 415VAC	A3	80	415	73	**£12.38**
FZBTIS42V100	Fuse BS88 100A 415VAC	A3	100	415	73	**£12.86**

Part No	Description	Type	Amps	Volts	Fixing Centres (mm)	TRADE PRICE
FZBTCP42V63	Fuse BS88 63A 415VAC	A3	63	415	94	**£13.09**
FZBTCP42V80	Fuse BS88 80A 415VAC	A3	80	415	94	**£13.09**
FZBTCP42V100	Fuse BS88 100A 415VAC	A3	100	415	94	**£13.13**

Industrial Controls

Electrical Installation

Lighting

BS1362 Plug Top Fuse Link

Part No	Description	Amps	TRADE PRICE
ATLASBK/C180-1A	BS1362 Plug Top Fuse Link	1	£0.42
ATLASBK/C180-2A	BS1362 Plug Top Fuse Link	2	£0.42
ATLASBK/C180-3A	BS1362 Plug Top Fuse Link	3	£0.42
ATLASBK/C180-4A	BS1362 Plug Top Fuse Link	4	£0.42
ATLASBK/C180-5A	BS1362 Plug Top Fuse Link	5	£0.42
ATLASBK/C180-7A	BS1362 Plug Top Fuse Link	7	£0.42
ATLASBK/C180-10A	BS1362 Plug Top Fuse Link	10	£0.42
ATLASBK/C180-13A	BS1362 Plug Top Fuse Link	13	£0.42

Fuse Kit

Each fuse kit box contains 180 Fuses in a Segmented Flip-Lid Box.

- 30 Fuses for standard 13A Plugs containing: 3A, 5A and 13A
- 60 Fast Acting Glass 5x20mm Fuses containing: 500mA, 1A, 2A, 2.5A, 3.15A and 5A
- 90 Slow Blow Glass 5x20mm Fuses containing: 1A, 1.25A, 1.6A, 2A, 2.5A, 3.15A, 5A, 6.3A and 10A

Part No.	Description	TRADE PRICE
BUCFK18	Fuse kit box 180 pieces of 5x20 fast & slow glass & plug top fuses	£30.00

ASK IF YOU CAN'T SEE IT!

We can't list everything - we have over 50,000 products ready for immediate despatch. Call us if you can't see what you want.

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Lines open 08.00-17.30

Centro White Plastic Switch Sockets

13 amp switch sockets.
- 250 Voltage Rating
- Approval Category: BS EN60669

Part No	Description	Amps	Gang	OUR PRICE
CTRO40102	13A Switched Sockets Single pole	13	1	£2.42
CTRO40103	13A Switched Sockets Single pole	13	2	£3.65
CTRO40104	13A Switched Sockets Double pole	13	2	£4.56

Centro White Plastic Light Switches

10 amp light switches.
- 250 Voltage Rating
- Approval Category: BS EN60669

Part No	Description	Amps	Gang	OUR PRICE
CTRO40107	Light Switches 1-Way	10	1	£0.99
CTRO40108	Light Switches 2-Way	10	1	£1.32
CTRO40109	Light Switches 2-Way	10	2	£2.42
CTRO40110	Light Switches 2-Way	10	3	£3.87

Centro White Plastic Fused Connection Unit

13 amp connection units in white.

Part No	Description	Amps	Switched/ Unswitched	OUR PRICE
CTRO40114	Fused Connection Units	13	Unswitched	£5.28
CTRO40116	Fused Connection Units	13	Switched	£4.62
CTRO40117	Fused Connection Units with Neon	13	Switched	£6.27

Centro Blank Plates and Dry Lining Boxes

White blanking plates to secure unused socket outlets.
- Dry lining boxes suited for installation in dry lined walls

Part No	Description	Gang	Depth	TRADE PRICE
CTRO40082	Blanking Plates	1	–	£1.13
CTRO40083	Blanking Plates	2	–	£1.71
CTRO40089	Dry Lining Boxes	1	35mm	£1.13
CTRO40090	Dry Lining Boxes	2	35mm	£1.71

Industrial Controls

Electrical Installation

Lighting

Centro Surface Mounted Pattresses

Surface mounted pattress boxes
- White

Part No	Description	Gang	Depth	OUR PRICE
CTRO40094	Pattress Box	1	25mm	£1.07
CTRO40095	Pattress Box	1	32mm	£1.21
CTRO40096	Pattress Box with Cable Clamp and Brass Terminal	1	45mm	£1.67
CTRO40098	Pattress Box	2	25mm	£1.77
CTRO40099	Pattress Box	2	32mm	£2.92
CTRO40100	Pattress Box with Cable Clamp and Brass Terminal	2	45mm	£3.04
CTRO40101	Pattress Box Dual for 2 x Single Face Plates	2	32mm	£3.26

Centro Ceiling Range

Range of standard pull switches, batten
and pendant for various applications.
- White finish

Part No	Description	TRADE PRICE
CTRO40216	Ceiling Pendants 6" cable	£2.53
CTRO40217	Ceiling Pendants 9" cable	£3.52
CTRO40218	Pull Cord Ceiling Switch 6 Amp 2-way	£3.85
CTRO40084	Cord Grip Lampholders – Switched	£1.71
CTRO40085	Cord Grip Lampholders – Unswitched	£1.54
CTRO40086	Batten Lampholder – Straight Skirt	£2.86
CTRO40087	Batten Lampholder – Home Office Skirt	£2.70

Centro Range Junction Boxes

Four terminal circular
junction boxes.

Part No	Description	Amps	OUR PRICE
CTRO40118	Junction Boxes	5	£2.53
CTRO40119	Junction Boxes	20	£3.52
CTRO40120	Junction Boxes	30	£3.85

Centro Metal Clad

Metal clad wiring accessories complete with surface mounted metal box.

Part No	Description	Gang	Ways	Amps	OUR PRICE
CTRO40219	Flush Mount Steel Outlet Box				£2.64
CTRO40105	Metal Switched Sockets	1	–	13	£7.37
CTRO40106	Metal Switched Sockets	2	–	13	£10.67
CTRO40111	Metal Light Switches	1	2	10	£5.39
CTRO40112	Metal Light Switches	2	2	10	£6.71
CTRO40113	Metal Light Switches	3	2	10	£8.03
CTRO40121	Metal Fused Spurs Unswitched	–	–	13	£7.37
CTRO40122	Metal Fused Spurs Switched and Neon	–	–	13	£9.47
CTRO40123	Metal 20A Switch and Neon	–	–	20	£7.37

Centro Range Extension Leads

A range of trailing sockets, extension leads and twin socket reels.

Part No	Description	Length	Gangs	OUR PRICE
CTRO40001	Trailing 2-Gang Socket	–	2	£2.20
CTRO40002	Trailing 1-Gang Socket	–	1	£1.65
CTRO40004	Trailing 4-Gang Socket	–	4	£3.52

Part No	Description	Length	Gangs	OUR PRICE
CTRO40006	Trailing 4-Gang Extension White 1m	1m	4	£3.30
CTRO40007	Trailing 4-Gang Extension White 2m	2m	4	£4.02
CTRO40008	Trailing 4-Gang Extension White 3m	3m	4	£4.95
CTRO40009	Trailing 4-Gang Extension White 5m	5m	4	£7.37
CTRO40010	Trailing 4-Gang Extension White 10m	10m	4	£10.30

Part No	Description	Length	Gangs	OUR PRICE
CTRO40017	Extension Lead 2-Gang 5m	5m	2	£6.63

Part No	Description	Length	Gangs	OUR PRICE
CTRO40033	Extension Lead Surge Protected 4-Gang 2m	2m	4	£5.02
CTRO40034	Extension Lead Surge Protected 4-Gang 5m	5m	4	£8.36

Part No	Description	Length	Gangs	OUR PRICE
CTRO40036	Surge Protected 6-Gang	2m	6	£7.60

Part No	Description	Length	Gangs	OUR PRICE
CTRO40050	Twin Socket Reel 10m	10m	2	£17.60

Centro Range Plugs

A range of 13 amp domestic and heavy duty plug tops.

Part No	Description	Amps	OUR PRICE
CTRO40063	Plug Black	13	£1.62
CTRO40064	Plug White	13	£1.52
CTRO40065	Plug Orange	13	£1.52
CTRO40068	Mains Adaptor	13	£1.68
CTRO40069	Plug White Plastic	13	£0.48
CTRO40071	Safety Plug Covers	13	£1.16

Centro Telephone Socket in White Plastic

Part No	Description	OUR PRICE
CTRO40818	Master	£3.41
CTRO40822	Secondary	£3.41

Centro RCD Plug

Part No		OUR PRICE
CTRO40838		£10.01

Industrial Controls

Electrical Installation

Lighting

MK Logic Plus Duraplug, Plugs and Adaptors

Complete range of safety extension leads including rubber plugs, extension leads, trailing sockets, lead connectors and cable couplers.

- All made from top quality high-impact resistant materials such as ABS/Polycarbonate and Rubber

| Part No	Description	Colour	Amps	Gangs	TRADE PRICE
MK646WHI	Plug	White	13	–	£5.47
MK647WHI	Plug (Non-Standard)	White	13	–	£10.51
MK65503WHI	Toughplug Fuse	White	3	–	£7.88
MK655BLK	Toughplug	Black	13	–	£7.52
MK655RED	Toughplug	Red	13	–	£7.83
MK655WHI	Toughplug	White	13	–	£6.55
MKFC133BLK	Socket Trailing	Black	13	1	£7.31
MKFC133ORG	Socket Trailing	Orange	13	1	£8.15
MKFC133WHI	Socket Trailing	White	13	1	£7.71
MKFC4134BLK	Socket Trailing 4 Inline	Black	13	4	£30.37
MKFC4134WHI	Socket Trailing 4 Inline	White	13	4	£32.30
MKFC4135WHI	Socket Trailing 4 Inline Switched	White	13	4	£42.72
MKFC4136BLK	Socket Trailing 4 Inline Switched	Black	13	4	£44.24
MKFC4136WHI	Socket Trailing 4 Inline Switched c/w Fuse and Neon	White	13	4	£46.39
MKFCT133BLK	Socket Trailing Twin	Black	13	2	£12.06
MKFCT133ORG	Socket Trailing Twin	Orange	13	2	£13.52
MKFCT133WHI	Socket Trailing Twin	White	13	2	£12.72
MKLCP103BLK	Lead Conn. 3Pin	Black	10	–	£7.43
MKLCP103WHI	Lead Conn. 3Pin	White	10	–	£7.43
MKPF133BLK	Rubber Plug Amp	Black	13	–	£4.46
MKPF133ORG	Rubber Plug Amp	Orange	13	–	£5.48
MKPF133WHI	Rubber Plug Amp	White	13	–	£4.47
MKEXL135BLK	Ext.Lead 4 Inline Skt	Black	13	4	£45.27
MKEXL135WHI	Ext.Lead 4 Inline Skt	White	13	4	£47.44
MKEXL136WHI	Ext.Lead 4 Inline Skt+2M Cable	White	13	4	£52.91
MKEXL137WHI	Ext.Lead 4 Inline Skt+2M Cable Fused	White	13	4	£62.03

MK Logic Plus Ceiling Switches

- Terminals are grouped in-line with terminal screws backed out ready for easy wiring
- Clear marking on dark background makes terminals easily identifiable
- Deep box required for 50 amp version

Part No	Description	Ways	Amps	TRADE PRICE
MK3164WHI	50 amp DP Ceiling Switch with Neon	–	50	£24.29
MK3191WHI	1-Way Ceiling Switch	1	6	£7.42
MK3192WHI	2-Way Ceiling Switch	2	6	£8.89
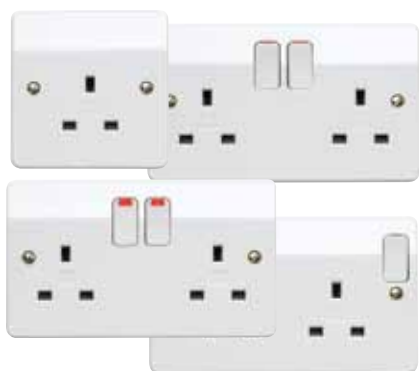
MK Logic Plus Switch Socket

The 3-pin operated safety shutter makes logic plus sockets the safest available.

- Terminals are grouped in-line with terminal screws backed out ready for easy wiring
- Clear marking on dark background makes terminals easily identifiable

Part No	Description	Amps	Gang	TRADE PRICE
MKK2647WHI	DP Switchsocket & Neon	13	2	£25.28
MKK2746WHI	DP Switchsocket Out Rocker	13	2	£12.23
MKK2747WHI	DP Switchsocket	13	2	£10.45
MKK2757WHI	DP Switchsocket	13	1	£5.71
MKK780WHI	Unswitched Socket	13	1	£7.76

MK Logic Plus Flush Switches

Terminals are grouped in-line with terminal screws backed out ready for easy wiring.

- Clear marking on dark background makes terminals easily identifiable
- Rounded, modern design

Part No	Description	Amps	Gang	TRADE PRICE
MKK4870WHI	1-Way Plateswitch	10	1	£3.09
MKK4871WHI	2-Way Plateswitch	10	1	£3.64
MKK4872WHI	2-Way Plateswitch	10	2	£6.29
MKK4873WHI	2-Way Plateswitch	10	3	£14.08
MKK4875WHI	Intermediate Plateswitch	10	1	£16.61
MKK4876WHI	DP 1-Way Plateswitch	10	1	£15.93

MK Logic Plus Connection Units

MK Connection units in white.
- Rounded, modern design

Part No	Description	Amps	Switched/Unswitched	TRADE PRICE
MKK330WHI	DP with Flex Outlet in Base	13	Switched	£12.51
MKK337WHI	With Flex Outlet in Base	13	Unswitched	£12.11
MKK370WHI	DP with Neon and Flex Outlet in Base	13	Switched	£17.47
MKK377WHI	With Neon and Flex Outlet in Base	13	Unswitched	£24.40
MKK1030WHI	DP with Front Flex Outlet	13	Switched	£17.18
MKK1040KOWHI	DP with Tamperproof Screw	13	Switched	£24.07
MKK1040WHI	DP	13	Switched	£14.40
MKK1060WHI	DP with Neon	13	Switched	£20.14
MKK1070WHI	DP with Front Flex Outlet and Neon	13	Switched	£23.70
MKK1090WHI	Flex Outlet Frontplate Blank Unfused	20	Unswitched	£9.44

MK Logic Plus DP Switches

Part No	Description	Amps	Switched/Unswitched	TRADE PRICE
MKK5105WHI	With Neon	32	Switched	£28.69
MKK5215WHI	2-Gang with Neon	45	Switched	£27.03
MKK5403WHI	With Flex Outlet in Base	20	Switched	£10.33
MKK5423WHI	With Neon Flex outlet in base	20	Switched	£12.83

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

MK Logic Telephone

White flush mount.
▪ OFTEL approved

Part No	Description	Gang	TRADE PRICE
MKK422WHI	Telephone Socket/Master	1	£17.63
MKK427WHI	Telephone Socket/Secondary	1	£11.67

MK Logic White Boxes and Blank Plates

White PVC and moulded boxes.
▪ PVC has 20mm round conduit entry and 25mm x 16mm trunking entry

Part No	Description	Material	Gang	TRADE PRICE
MKK2181WHI	32mm PVC Box	PVC	1	£2.88
MKK2183WHI	32mm PVC Box	PVC	2	£4.73
MKK2140WHI	30mm Surface Box	Moulded	1	£2.59
MKK2142WHI	30mm Surface Box	Moulded	2	£4.92
MKK2031WHI	40mm Surface Box	Moulded	1	£3.43
MKK2160WHI	Surface Moulded Box	Moulded	1	£2.52
MKK2172WHI	Box for 45A Switches	Moulded	2	£9.35
MKK3827WHI	Moulded Blankplate	Moulded	1	£2.71
MKK3828WHI	Moulded Blankplate	Moulded	2	£6.05

MK Logic Metal Clad Plus

Terminals are grouped in-line with terminal screws backed out ready for easy wiring.

▪ Clear marking on dark background makes terminals easily identifiable
▪ All units complete with metal surface mounted box

■ MK LOGIC METALCLAD PLUS SOCKETS

Part No	Description	Gang	Amps	TRADE PRICE
MKK2477ALM	Switched DP with Neon and Dual Earth	1	13	£35.60
MKK2977ALM	Switched DP with Dual Earth	1	13	£17.21
MKK2946ALM	DP	2	13	£27.12
MKK848ALM	Unswitched	1	13	£14.67
MKK850ALM	Unswitched with Dual Earth	2	13	£27.83

■ MK LOGIC METALCLAD PLUS CONNECTION UNITS

Part No	Description	Gang	Amps	TRADE PRICE
MKK932ALM	DP Switched with Flex Outlet	–	13	£21.32
MKK942ALM	DP Switched	–	13	£19.72
MKK954ALM	Unswitched	–	13	£16.65
MKK962ALM	DP Switched with Neon	–	13	£26.16
MKK972ALM	DP Switched with Flex Outlet and Neon	–	13	£24.76
MKK983ALM	Unswitched with Neon	–	13	£19.69
MKK986ALM	Unswitched with Flex Outlet and Neon	–	13	£22.77
MKK989ALM	Unswitched with Flex Outlet	–	13	£20.81

■ MK LOGIC METALCLAD PLUS DP SWITCHES

Part No	Description	Gang	Amps	TRADE PRICE
MKK5212ALM	DP Switch	–	20	£19.53
MKK5232ALM	DP Switch with Neon	–	20	£28.89
MKK5242ALM	DP Switch with Flex Outlet and Neon	–	20	£33.14

■ MK LOGIC METALCLAD PLUS LIGHT SWITCHES

Part No	Description	Gang	Amps	TRADE PRICE
MKK3591ALM	SP 2-Way Switch	1	10	£12.92
MKK3592ALM	SP 2-Way Switch	2	10	£21.26

MK Logic Boxes

Surface and flush steel boxes with knockouts and adjustable lug.

Part No	Description	Gang	Depth	TRADE PRICE
MK861ZIC	Flush Metal Box	1	25mm	**£2.57**
MK862ZIC	Flush Metal Box	2	25mm	**£3.39**
MK866ZIC	Flush Metal Box	1	35mm	**£3.27**
MK877ZIC	Flush Metal Box	1	46mm	**£4.58**
MK886ZIC	Flush Metal Box	2	35mm	**£3.96**
MKK2213ALM	Box with Knockouts – Surface	1	41mm	**£5.67**
MKK2214ALM	Box with Knockouts – Surface	2	41mm	**£8.51**

A comprehensive range of waterproof wiring accessories

MK Logic Plus Masterseal

A comprehensive range of IP56 waterproof wiring accessories in grey.
- Protection from strong jets of water from all angles and protection from dust, sawdust and small particles.

Part No	Description	Amps	Gangs	Ways	TRADE PRICE
MKK56231GRY	MK RCD Socket 30mA Active	13	2	–	**£145.82**
MKK56233GRY	MK RCD Socket 30mA Passive	13	2	–	**£145.82**
MKK56301GRY	MK RCD Socket 30mA Single	13	1	–	**£130.17**
MKK56400GRY	MK Switch 10Ax SP	10	1	1	**£22.87**
MKK56401GRY	MK Switch 10Ax SP	10	1	2	**£25.80**
MKK56402GRY	MK Switch Double 10Ax SP	10	2	1	**£29.39**
MKK56406GRY	MK Switch 10Ax DP	10	1	1	**£29.37**
MKK56407GRY	MK Switch 'Bell' SP	10	1	2	**£35.02**
MKK56408GRY	MK Switch 'Press' SP	10	1	2	**£36.69**
MKK56409GRY	MK Switch 'Press' DP	20	1	1	**£36.69**
MKK56410GRY	MK Connection Unit Switched IP56	13	–	–	**£54.29**
MKK56420GRY	MK Enclosure Single Switch	–	1	–	**£25.63**
MKK56421GRY	MK Enclosure Single Switch	–	1	–	**£30.23**
MKK56422GRY	MK Enclosure Double Switch	–	1	–	**£28.92**
MKK56480GRY	MK Socket Outlet Unswitched	13	1	–	**£37.88**
MKK56481GRY	MK Socket Unswitched	13	2	–	**£65.44**
MKK56482GRY	MK Socket Switched IP56 DP	13	2	–	**£73.53**
MKK56506GRY	MK Junction Box	–	1	–	**£20.45**

Industrial Controls

Electrical Installation

Lighting

Connectors IP44

CEENORM CONNECTOR WITH MULTI-GRIP CABLE GLAND

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP44	110	50-60	CEEN31000TLS	£9.15	CEEN31003TLS	£20.91	CEEN31009TLS	£24.89
	240	50-60	CEEN31001TLS	£9.15	CEEN31004TLS	£20.91	CEEN31010TLS	£24.89
	415	50-60	CEEN31002TLS	£11.06	CEEN31005TLS	£17.10	CEEN303TLS	£19.08
32A IP44	110	50-60	CEEN31012TLS	£21.03	CEEN31015TLS	£29.67	CEEN31021TLS	£32.07
	240	50-60	CEEN31013TLS	£21.03	CEEN31016TLS	£29.67	CEEN31022TLS	£32.07
	415	50-60	CEEN31014TLS	£28.90	CEEN31017TLS	£23.50	CEEN304TLS	£25.24
63A IP44	110	50-60	CEEN3108	£68.52	CEEN3149	£92.30	CEEN3153	£97.47
	240	50-60	CEEN3104	£67.26	CEEN3150	£92.30	CEEN3154	£97.47
	415	50-60	CEEN3109	£86.91	CEEN3151	£76.98	CEEN3112	£78.47

Connectors IP67

CEENORM CONNECTOR WITH MULTI-GRIP CABLE GLAND

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP67	110	50-60	CEEN31298	£23.77	CEEN31301	£40.21	CEEN31305	£42.12
	240	50-60	CEEN31240	£23.77	CEEN31302	£40.21	CEEN31306	£42.12
	415	50-60	CEEN31299	£39.13	CEEN31241	£33.93	CEEN31243	£37.48
32A IP67	110	50-60	CEEN31307	£39.32	CEEN31309	£54.30	CEEN31313	£63.06
	240	50-60	CEEN31244	£39.32	CEEN31310	£54.30	CEEN31314	£63.06
	415	50-60	CEEN31308	£41.82	CEEN31245	£44.63	CEEN31247	£48.25

Quick Connect Terminals

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
63A IP67	110	50-60	CEEN3180	£77.38	CEEN3183	£96.09	CEEN3187	£102.00
	240	50-60	CEEN3181	£74.40	CEEN3184	£96.09	CEEN3188	£102.00
	415	50-60	CEEN3182	£84.14	CEEN3185	£83.17	CEEN3124	£85.80

Screw Clamp Terminals

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
125A IP67	110	50-60	CEEN3190	£270.99	CEEN3193	£319.39	CEEN3197	£331.47
	240	50-60	CEEN3191	£260.57	CEEN3194	£319.39	CEEN3198	£331.47
	415	50-60	CEEN3192	£319.39	CEEN3195	£262.69	CEEN3199	£267.40

Screw Clamp Terminals

Phase Inverter Plugs

CEENORM QUICK CONNECT PHASE INVERTER PLUG WITH MULTI-GRIP CABLE GLAND

A Current	V Voltage	HZ Frequency	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP44	240	50-60	CEEN22052	£47.61		
	415	50-60	CEEN22053	£47.61		
32A IP44	240	50-60	CEEN22054	£60.85		
	415	50-60	CEEN22055	£60.85		
16A IP44	240	50-60			CEEN224	£45.23
	415	50-60			CEEN225	£45.23
32A IP44	240	50-60			CEEN226	£57.75
	415	50-60			CEEN227	£57.75
16A IP67	240	50-60			CEEN2266	£66.53
	415	50-60			CEEN2251	£62.81
32A IP67	240	50-60			CEEN2267	£76.59
	415	50-60			CEEN2252	£76.59

Plugs IP44

CEENORM

■ CEENORM PLUG WITH MULTI-GRIP CABLE GLAND

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP44	110	50-60	CEEN21000TLS	£5.95	CEEN21003TLS	£15.36	CEEN21009TLS	£17.47
	240	50-60	CEEN21001TLS	£5.95	CEEN21004TLS	£15.36	CEEN21010TLS	£17.47
	415	50-60	CEEN21002TLS	£14.96	CEEN21005TLS	£13.34	CEEN203TLS	£14.43
32A IP44	110	50-60	CEEN21012TLS	£17.50	CEEN21015TLS	£24.39	CEEN21021TLS	£26.24
	240	50-60	CEEN21013TLS	£17.50	CEEN21016TLS	£24.39	CEEN21022TLS	£26.24
	415	50-60	CEEN21014TLS	£22.41	CEEN21017TLS	£18.59	CEEN204TLS	£19.01
63A IP44	110	50-60	CEEN21024	£60.06	CEEN2149	£79.01	CEEN2153	£81.69
	240	50-60	CEEN2104	£59.36	CEEN2150	£79.01	CEEN2154	£81.69
	415	50-60	CEEN21025	£78.89	CEEN2151	£62.31	CEEN2155	£64.67

Plugs IP67

■ CEENORM PLUG WITH MULTI-GRIP CABLE GLAND

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP67	110	50-60	CEEN21237	£20.46	CEEN21403	£33.02	CEEN21406	£37.82
	240	50-60	CEEN21238	£20.46	CEEN21250	£33.02	CEEN21407	£37.82
	415	50-60	CEEN21402	£30.33	CEEN21349	£29.83	CEEN21239	£31.73
32A IP67	110	50-60	CEEN21408	£35.64	CEEN21410	£44.16	CEEN21413	£51.13
	240	50-60	CEEN21240	£35.64	CEEN21251	£44.16	CEEN21414	£51.13
	415	50-60	CEEN21409	£42.12	CEEN21351	£40.33	CEEN21241	£41.82
Quick Connect Terminals								
63A IP67	110	50-60	CEEN2180	£69.25	CEEN2183	£85.42	CEEN2187	£95.81
	240	50-60	CEEN2181	£66.60	CEEN2184	£85.42	CEEN2188	£95.81
	415	50-60	CEEN2182	£80.96	CEEN2185	£69.21	CEEN2189	£71.57
Screw Clamp Terminals								
125A IP67	110	50-60	CEEN2190	£220.53	CEEN2193	£302.59	CEEN2197	£311.14
	240	50-60	CEEN2191	£212.05	CEEN2194	£302.59	CEEN2198	£311.14
	415	50-60	CEEN2192	£260.66	CEEN2195	£220.11	CEEN2199	£225.04

DC Plug

■ CEENORM DC PLUG SPLASHPROOF

A Current	V Voltage	Earth Hr. Pos	2P+E	TRADE PRICE
16A IP44	>50 - 250	3	CEEN21868	£24.46

LV Plugs

■ CEENORM LOW VOLTAGE PLUG WITH CABLE GLAND

A Current	V Voltage	HZ Frequency	2P	TRADE PRICE	3P	TRADE PRICE
16A IP44	24	50-60	CEEN4422	£19.99	CEEN4428	£22.52

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

Surface Mounting Socket Outlet IP44

CEE NORM

■ CEENORM SURFACE MOUNTING SOCKET OUTLET

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP44	110	50-60	CEEN11302	£14.72	CEEN113	£21.98	CEEN1110	£30.94
	240	50-60	CEEN11304	£14.72	CEEN114	£21.98	CEEN1111	£30.94
	415	50-60	CEEN112	£22.52	CEEN11306	£17.70	CEEN11308	£20.98
32A IP44	110	50-60	CEEN11310	£22.47	CEEN1116	£40.81	CEEN1122	£43.35
	240	50-60	CEEN11312	£22.47	CEEN1117	£40.81	CEEN1123	£43.35
	415	50-60	CEEN1115	£40.21	CEEN11314	£26.54	CEEN11316	£30.36
63A IP44	110	50-60	CEEN1106	£89.99	CEEN1125	£127.84	CEEN1129	£131.22
	240	50-60	CEEN1104	£89.99	CEEN1126	£127.84	CEEN11308	£20.98
	415	50-60	CEEN1107	£118.55	CEEN1127	£94.55	CEEN1124	£98.92

Surface Mounting Socket Outlet IP67

■ CEENORM SURFACE MOUNTING SOCKET OUTLET

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP67	110	50-60	CEEN11303	£33.08	CEEN1135	£47.38	CEEN1141	£52.66
	240	50-60	CEEN11305	£33.08	CEEN1136	£47.38	CEEN1142	£52.66
	415	50-60	CEEN1134	£46.98	CEEN11307	£42.71	CEEN11309	£43.74
32A IP67	110	50-60	CEEN11311	£49.76	CEEN1147	£67.83	CEEN1153	£72.69
	240	50-60	CEEN11313	£49.76	CEEN1148	£67.83	CEEN1154	£72.69
	415	50-60	CEEN1146	£62.66	CEEN11315	£55.50	CEEN11317	£58.05
63A IP67	110	50-60	CEEN1156	£100.53	CEEN1159	£131.09	CEEN1163	£136.61
	240	50-60	CEEN1157	£100.53	CEEN1160	£131.09	CEEN1164	£136.61
	415	50-60	CEEN1158	£135.46	CEEN1161	£101.64	CEEN1112	£118.53
125A IP67	110	50-60	CEEN11436	£360.14	CEEN11439	£379.70	CEEN11445	£384.94
	240	50-60	CEEN11437	£360.14	CEEN11440	£379.70	CEEN11446	£384.94
	415	50-60	CEEN11438	£363.83	CEEN11441	£358.16	CEEN11447	£363.14

Surface Mounted Switched Double Interlocking Socket Outlet IP44

■ CEENORM SURFACE MOUNTING SWITCHED DOUBLE INTERLOCKING SOCKET OUTLET

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP44	110	50-60	CEEN16165	£116.79	CEEN16171	£149.67	CEEN16181	£154.38
	240	50-60	CEEN16167	£116.79	CEEN16173	£154.14	CEEN16183	£159.47
	415	50-60	CEEN16169	£147.34	CEEN16175	£132.17	CEEN16185	£136.52
32A IP44	110	50-60	CEEN16191	£160.46	CEEN16197	£217.19	CEEN16207	£224.51
	240	50-60	CEEN16193	£160.46	CEEN16199	£220.93	CEEN1644	£253.16
	415	50-60	CEEN16154	£208.74	CEEN16201	£171.50	CEEN16211	£180.22
63A IP44	110	50-60	CEEN16217	£301.02	CEEN16223	£379.01	CEEN16233	£381.10
	240	50-60	CEEN16219	£292.28	CEEN16225	£370.61	CEEN16235	£381.10
	415	50-60	CEEN16221	£362.44	CEEN16227	£294.39	CEEN16237	£314.31

CALL THE SPECIALISTS
01384 216243
Lines open 08.00-17.30

Surface Mounted Switched Double Interlocking Socket Outlet IP67

CEE NORM

■ **CEENORM SURFACE MOUNTING SWITCHED DOUBLE INTERLOCKING SOCKET OUTLET**

A Current	V Voltage	HZ Frequency	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP67	110	50-60	CEEN16166	£144.70	CEEN16172	£181.24	CEEN16182	£183.54
	240	50-60	CEEN16168	£144.70	CEEN16174	£188.90	CEEN16184	£195.56
	415	50-60	CEEN16170	£171.31	CEEN16176	£152.89	CEEN16186	£156.70
32A IP67	110	50-60	CEEN16192	£180.62	CEEN16198	£237.04	CEEN16208	£235.01
	240	50-60	CEEN16194	£180.62	CEEN16200	£238.34	CEEN16210	£235.01
	415	50-60	CEEN16196	£225.84	CEEN16202	£187.32	CEEN16212	£199.84
63A IP67	110	50-60	CEEN16218	£328.73	CEEN16224	£402.26	CEEN16234	£406.94
	240	50-60	CEEN16220	£316.11	CEEN16226	£395.81	CEEN16236	£406.94
	415	50-60	CEEN16222	£388.23	CEEN16228	£305.33	CEEN16238	£327.12

Switch-Interlocked RCD Socket Outlet IP44

■ **CEENORM SWITCH-INTERLOCKED RCD PROTECTED SOCKETS**

A Current	V Voltage	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP44	110	CEEN880466	£312.92				
	240	CEEN880448	£311.35				
	415			CEEN880454	£338.26	CEEN880460	£342.45
32A IP44	110	CEEN880468	£333.94				
	240	CEEN880450	£329.83				
	415			CEEN880456	£363.48	CEEN880462	£369.71
63A IP44	110	CEEN880470	£512.58				
	240	CEEN880452	£493.83				
	415			CEEN880458	£548.53	CEEN880464	£562.72

Switch-Interlocked RCD Socket Outlet IP67

■ **CEENORM SWITCH-INTERLOCKED RCD PROTECTED SOCKETS**

A Current	V Voltage	2P+E	TRADE PRICE	3P+E	TRADE PRICE	3P+N+E	TRADE PRICE
16A IP67	110	CEEN880418	£324.70				
	240	CEEN880118	£317.33				
	415			CEEN880130	£346.78	CEEN880142	£352.87
32A IP67	110	CEEN880422	£352.07				
	240	CEEN880122	£344.40				
	415			CEEN880134	£378.25	CEEN880146	£384.32
63A IP67	110	CEEN880426	£530.98				
	240	CEEN880126	£508.73				
	415			CEEN880138	£564.31	CEEN880150	£577.35

Industrial Controls

Electrical Installation

Lighting

DC Surface Mounted Socket

CEENORM

■ **CEENORM DC SURFACE MOUNTING SOCKET OUTLET SPLASHPROOF**

A Current	V Voltage	Earth Hr. Pos	2P+E	TRADE PRICE
16A IP44	>50 - 250	3	CEEN110074	**£24.93**

LV Surface Mounted Sockets IP44

■ **CEENORM LOW VOLTAGE SURFACE MOUNTING SOCKET OUTLET M25 TOP ENTRY**

A Current	V Voltage	HZ Frequency	2P	TRADE PRICE	3P	TRADE PRICE
16A IP44	24	50-60	CEEN410	**£27.38**	CEEN416	**£29.93**

KF Cable Junction Boxes

HENSEL

- VDE tested, DNV GL – Certificate No.: TAE00000EE,
- Closes quickly by a quarter turn – locked position well visible (open – locked)
- Degree of protection IP66 / IP67 / IP69 with cable glands as accessories, temporary submersion up to 1 metre max. 15 minutes
- External brackets for wall fixing included
- Halogen-free: low toxicity, low fumes
- Weatherproof: UV-resistant , rainwater proof, temperature-resistant
- Material: PC-GFS polycarbonate
- Burning behaviour: Glow wire test in accordance with IEC 60695-2-11 960°C flame retardant, self-extinguishing
- Colour: grey RAL 7035 or black RAL 9011

■ **DK CABLE JUNCTION BOXES**

Part No	Design	Dimensions	Colour	TRADE PRICE
HENSELKF0202G	1.5 - 2.5 mm	93x93x62	Grey	**£14.93**
HENSELKF0202B	1.5 - 2.5 mm	93x93x62	Black	**£14.93**
HENSELKF0404G	1.5 - 4 mm	104x104x70	Grey	**£18.98**
HENSELKF0404B	1.5 - 4 mm	104x104x70	Black	**£18.98**
HENSELKF0606G	2.5 - 6 mm	130x130x77	Grey	**£25.38**
HENSELKF0606B	2.5 - 6 mm	130x130x77	Black	**£25.38**
HENSELKF1010G	4 - 10 mm	180x130x77	Grey	**£29.89**
HENSELKF1010B	4 - 10 mm	180x130x77	Black	**£29.89**
HENSELKF1616G	6 - 16 mm	210x155x92	Grey	**£40.51**
HENSELKF1616B	6 - 16 mm	210x155x92	Black	**£40.51**
HENSELKF2525G	10 - 25 mm	255x205x112	Grey	**£52.91**
HELSELKF2525B	10 - 25 mm	255x205x112	Black	**£52.91**

Multipole Connectors

■ SCREW TERMINATION MALE INSERTS 16A 500V

Part Number	Description	Poles	TRADE PRICE
ILMECKM03	10A 230V/400V	3 + E	£2.58
ILMECKM04	10A 230V/400V	4 + E	£2.81
ILMECNEM06T	16A 500V	6 + E	£4.90
ILMECNEM10T	16A 500V	10 + E	£6.25
ILMECNEM16T	16A 500V	16 + E	£8.39
ILMECNEM24T	16A 500V	24 + E	£11.19
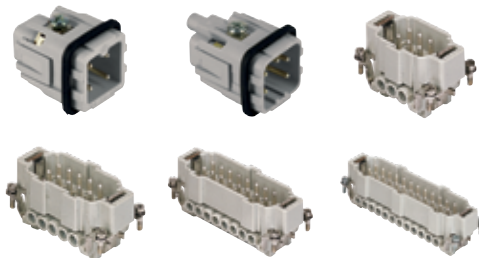
■ SCREW TERMINATION FEMALE INSERTS 16A 500V

Part Number	Description	Poles	TRADE PRICE
ILMECKF03	10A 230V/400V	3 + E	£2.58
ILMECKF04	10A 230V/400V	4 + E	£2.81
ILMECNEF06T	16A 500V	6 + E	£5.09
ILMECNEF10T	16A 500V	10 +	£6.60
ILMECNEF16T	16A 500V	16 + E	£9.87
ILMECNEF24T	16A 500V	24 + E	£12.23
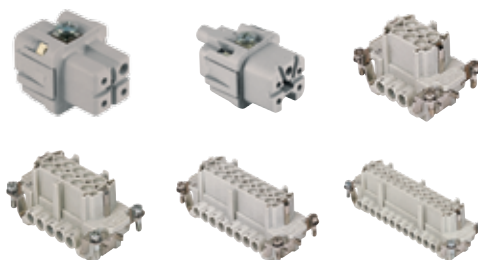
■ SPRING TERMINATION MALE INSERTS 16A 500V WITH SQUICH®

Part Number	Poles	TRADE PRICE
ILMECSHM6	6 + E	£5.64
ILMECSHM10	10 + E	£7.19
ILMECSHM16	16 + E	£9.65
ILMECSHM24	24 + E	£12.89

■ SPRING TERMINATION FEMALE INSERTS 16A 500V WITH SQUICH®

Part Number	Poles	TRADE PRICE
ILMECSHF6	6 + E	£5.83
ILMECSHF10	10 + E	£7.58
ILMECSHF16	16 + E	£10.31
ILMECSHF24	24 + E	£14.06

SQUICH® - Save time!

- ▪ Excellent termination solution with great resistance to strong vibrations
- ▪ Buttons allow for measuring probe tests
- ▪ Great reduction in cabling time

Industrial Controls

Electrical Installation

Lighting

Multipole Connectors

■ TOP ENTRY HOODS

Part Number	Size	Description	TRADE PRICE
ILMEMKAV20	3 & 4 Pole	2 Pegs, M20	£4.24
ILMEMKAVG20	3 & 4 Pole	Coupling Hood, M20	£5.21
ILMEMKV20	3 & 4 Pole	Plastic, 2 Pegs, M20	£0.80
ILMEMKVG20	3 & 4 Pole	Plastic Coupling Hood, M20	£1.34
ILMEMHV06L20	6 Pole	2 Pegs, M20	£4.35
ILMEMHV1020	10 Pole	4 Pegs, M20	£5.15
ILMEMHV1625	16 Pole	4 Pegs, M25	£6.01
ILMEMHV2425	24 Pole	4 Pegs, M25	£7.01

■ SIDE ENTRY HOODS

Part Number	Size	Description	TRADE PRICE
ILMEMHO06L20	6 Pole	2 Pegs, M20	£4.61
ILMEMHO1020	10 Pole	4 Pegs, M20	£5.12
ILMEMHO1625	16 Pole	4 Pegs, M25	£6.36
ILMEMHO2425	24 Pole	4 Pegs, M25	£7.24
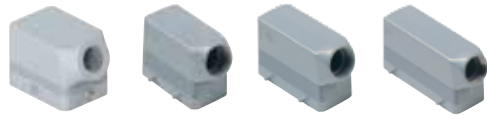
■ BULKHEAD MOUNTED HOUSINGS

Part Number	Size	Description	TRADE PRICE
ILMECK03I	3 & 4 Pole	Plastic, 1 Lever	£1.40
ILMECHI06L	6 Pole	1 Lever	£9.79
ILMECKA03I	3 & 4 Pole	1 Lever	£2.92
ILMECHI10	10 Pole	2 Lever	£14.55
ILMECHI16	16 Pole	2 Lever	£15.01
ILMECHI24	24 Pole	2 Lever	£15.6

■ SURFACE MOUNTED HOUSINGS

Part Number	Size	Description	TRADE PRICE
ILMEMHP06L20	6 Pole	1 Lever, M20	£13.23
ILMEMHP1020	10 Pole	2 Lever, M20	£18.55
ILMEMHP1625	16 Pole	2 Lever, M25	£19.85
ILMEMHP2425	24 Pole	2 Lever, M25	£20.97

CALL THE SPECIALISTS
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Lines open 08.00-17.30

Cable Reels

Defender Cable Reels come in varying lengths to support site requirements. All Defender cable reels are designed to give years of trouble free, safe use.

■ DEFENDER CABLE EXTENSION REELS

Part No	Description	TRADE PRICE
DFNDRE86465	20M 1.25mm 240V Light Industrial Reel	£36.95
DFNDRE86470	20M 1.25mm 240V Light Industrial Reel + Rcd	£50.95
DFNDRE86515	50M 1.25mm 240V Heavy Industrial Reel	£82.95
DFNDRE86450	25M 1.5mm 110V Light Industrial Reel	£61.95
DFNDRE86455	25M 2.5mm 110V Light Industrial Reel	£62.95
DFNDRE86500	50M 1.5mm 110V Heavy Industrial Reel	£81.95
DFNDRE856510	50M 2.5mm 110V Heavy Industrial Reel	£115.95

■ DEFENDER CABLE BOX REELS

Part No	Description	TRADE PRICE
DFNDRE86540	110V 16A 1.5mm 20M Box Reel	£44.95
DFNDRE86545	240V 13A 1.25mm 15M Box Reel	£33.95

Loose Extension Leads

Defender extension leads are fully certified industrial strength leads ideal for use on site.

■ DEFENDER LOOSE CABLES

Part No	Description	TRADE PRICE
DFNDRE85111	110V 16A 1.5mm 14M Yellow Arctic Extn Lead	£21.95
DFNDRE85121	110V 16A 2.5mm 14M Yellow Arctic Extn Lead	£26.95
DFNDRE85235	110V 32A 2.5mm 14M Yellow Arctic Ext Lead	£33.95
DFNDRE85240	110V 32A 4mm 14M Yellow Arctic Extn Lead	£47.95
DFNDRE85230	110V 16A 1.5mm 25M Yellow Arctic Extn Lead	£30.95
DFNDRE85233	110V 16A 2.5mm 25M Yellow Arctic Extn Lead	£47.95
DFNDRE85249	110V 32A 2.5mm 25M Yellow Arctic Ext Lead	£48.95
DFNDRE85262	110V 32A 4mm 25M Yellow Arctic Extn Lead	£70.95

Power Splitters 110V

Defender offers power splitters in various styles to suit every application.

■ DEFENDER POWER SPLITTERS

Part No	Description	TRADE PRICE
DFNDRE13200	Spider Ball - 4X16A	£49.95
DFNDRE13104	4 Way Splitter Box - 4X16A	£39.95
DFNDRE13108	4 Way Splitter Box - 2X16A 2X32A	£61.95
DFNDRS10600	PIR Site Saver - 6X16A	£122.95

Industrial Controls

Electrical Installation

Lighting

Transformers

Ranging from 3KVA to 5KVA Transformers with both 16 Amp and 32 Amp outlets. Defender transformers allow power tools and site lights to be used safely throughout the work site.

■ DEFENDER TRANSFORMERS

Part No	Description	TRADE PRICE
DFNDRE205100	Power Pod Transformer 3.3kVA - 2X16A Outlets	£75.95
DFNDRE203010	Transformer 3 Kva - 2X16A Outlets	£67.95
DFNDRE205042	Transformer 5Kva - 2X16A & 1X32A Outlets	£268.95
DFNDRE205062	Metal Heater Transformer - 1X16A 1X32A Outlets	£377.95

LED Hand Lights

Ideal for detailed inspection work, the defender range of hand lamps have now been upgraded to LED offering significant cost benefits against their GLS lamp predecessors.

■ DEFENDER LED HAND LIGHTS

Part No	Description	TRADE PRICE
DFNDRE89790	240V LED Grip Lamp	£24.95
DFNDRE712841	Mini Mobi Rechargeable	£16.95

LED Task Lights

Defender LED task lights give users control over the light being used, allowing spaces to be illuminated how and when required.

■ DEFENDER LED TASK LIGHTS

Part No	Description	TRADE PRICE
DFNDRE712686	DC4000 110V LED Contractor Light	£97.95
DFNDRE712685	DI4000 110V LED Linkable Light	£76.95
DFNDRE712679	110V LED Task Tripod Light	£63.95
DFNDRE712678	240V LED Task Tripod Light	£63.95

LED Task Lights

Defender LED task lights give users control over the light being used, allowing spaces to be illuminated how and when required.

■ DEFENDER LED TASK LIGHTS

Part No	Description	TRADE PRICE
DFNDRE204030	110V DF1200 20W Floor Light	£21.95
DFNDRE204050	110V DF1200 20W Single Head On Workshop Tripod	£28.95
DFNDRE204070	110V DF1200 20W Twin Head On Workshop Tripod	£49.95
DFNDRE204020	240V DF1200 20W Floor Light	£21.95
DFNDRE204040	240V DF1200 20W Single Head On Workshop Tripod	£28.95
DFNDRE204060	240V DF1200 20W Twin Head On Workshop Tripod	£49.95

LED Floor Lights

■ DEFENDER FLOOR LIGHTS

Part No	Description	TRADE PRICE
DFNDRE709162	110V LED FLOOR LIGHT	£51.95
DFNDRE709164	240V LED FLOOR LIGHT	£51.95
DFNDRE709192	LED FLOOR LIGHT RECHARGEABLE	£67.95

LED Festoon Lights

Defender festoon lighting chain offers a great solution for lighting walkways with ease.

■ DEFENDER FESTOON

Part No	Description	TRADE PRICE
DFNDRE89811	110V ES LED 22M GLS Festoon Kit (Guards, Bulbs)	£65.90

Defender POWER AND LIGHT

Industrial Controls

Electrical Installation

Lighting

Duracell Plus Batteries

Duracell Plus batteries are the leading general purpose battery on the market and are the reliable energy source for everyday usage. Supplied in retail packaging.

■ **PLUS ALKALINE BATTERY**

Part No	Description	TRADE PRICE
BATAAMN1500PK4-DURP	Duracell Plus Alkaline Battery MN1500 (AA) Pack 4	£5.37
BATAAAMN2400PK4-DURP	Duracell Plus Alkaline Battery MN2400 (AAA) Pack 4	£5.37
BATCMN1400PK2-DURP	Duracell Plus Alkaline Battery MN1400 (C) Pack 2	£5.20
BATDMN1300PK2-DURP	Duracell Plus Alkaline Battery MN1300 (D) Pack 2	£5.20
BAT9VMN1604PK1-DURP	Duracell Plus Alkaline Battery MN1604 (9V) Pack 1	£5.37
BATMN21PK1-DUR	Duracell MN21 MN21 Alkaline Battery	£2.48

DURACELL® PLUS

Duracell Ultra Batteries

Duracell Ultra Batteries are the most powerful Duracell batteries ever and are designed to meet the demanding requirements of today's digital and high power devices.

■ **ULTRA ALKALINE BATTERY**

Part No	Description	TRADE PRICE
BATAAMN1500PK4-DURU	Duracell Ultra Alkaline Battery MN1500 (AA) Pack 4	£8.22
BATAAAMN2400PK4-DURU	Duracell Ultra Alkaline Battery MN2400 (AAA) Pack 4	£8.22
BATCMN1400PK2-DURU	Duracell Ultra Alkaline Battery MN1400 (C) Pack 2	£7.26
BATDMN1300PK2-DURU	Duracell Ultra Alkaline Battery MN1300 (D) Pack 2	£7.26
BAT9VMN1604PK1-DURU	Duracell Ultra Alkaline Battery MN1604 (9V) Pack 1	£7.26

DURACELL® ULTRA

Duracell Industrial

Duracell Industrial batteries offer the same quality and performance as Duracell's retail batteries but are conveniently packaged in boxes of 10 for commercial and industrial use.

■ **DURACELL INDUSTRIAL ALKALINE BATTERY**

Part No	Description	TRADE PRICE
BATAAAPC2400PK10-DURI	Duracell Industrial Alkaline Battery PC2400 (AAA) Pack 10	£6.29
BATAAPC1500PK10-DURI	Duracell Industrial Alkaline Battery PC1500 (AA) Pack 10	£6.51
BATCPC1400PK10-DURI	Duracell Industrial Alkaline Battery PC1400 (C) Pack 10	£15.42
BATDPC1300PK10-DURI	Duracell Industrial Alkaline Battery PC1300 (D) Pack 10	£22.11
BAT9VPC1604PK10-DURI	Duracell Industrial Alkaline Battery PC1604 (9V) Pack 10	£26.83

INDUSTRIAL BY DURACELL

Industrial Controls | Electrical Installation | Lighting

Duracell Rechargeable Batteries

Duracell Supreme rechargeable batteries (AA and AAA) offer the highest capacity and are ideal for digital cameras and other high drain devices. They can be recharged 100s of times to capture 1000s of photos.

Duracell's standard rechargeable batteries (C, D, 9V) offer value performance in frequently used, everyday devices.

Part No	Description	TRADE PRICE
BATAAPRECHGDPK4-DUR	Duracell Rechargeable (AA) 2450mAh Pack 4	£18.37
BATAAAPRECHGDPK4-DUR	Duracell Rechargeable (AAA) 1000mAh Pack 4	£18.37
BATCHR14PK2-DUR	Duracell Rechargeable (C) 2500mAh Pack 2	£19.01
BATDHR20PK2-DUR	Duracell Rechargeable (D) 2500 mAh Pack 2	£19.01
BAT9VHR9VPK1-DUR	Duracell Rechargeable (9V) 175mAh Pack 2	£14.88

Duracell Chargers

Duracell offer a choice of multicharger for all major battery sizes or a convenient, fast charger for AA and AAA batteries.

Duracell Multicharger — Takes up to 8 AA, AAA; 4 C, D or 1 9V. Charge time from 3 hours. Individual cell charge termination

Duracell 45 Minute Charger — Takes up to 4 AA, AAA. Charge time from 45 minutes. Individual cell charge termination.

Part No	Description	TRADE PRICE
BATCEF22-DUR	Duracell Multicharger (no cells included)	£40.95
BATCEF27-DUR	Duracell 45 Minute charger	£29.26

6V Batteries

■ **PLUS ALKALINE BATTERY**

Part No	Description	TRADE PRICE
BATPJ996PK1	PJ996 6V Battery	£3.31

CALL THE SPECIALISTS
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Industrial Controls

Electrical Installation

Lighting

NP Range Valve Regulated Lead Acid Batteries

Part No	Voltage	Capacity (Ah)	Overall Dimensions (mm)				Weight (kg)	TRADE PRICE
			L	W	H	OH		
YUNP1.2-6	6	1.2	97	25	51	54.5	0.33	£12.37
YUNP2.8-6	6	2.8	134	34	60	64	0.63	£14.83
YUNP4-6	6	4	70	47	102	105.5	0.98	£11.36
YUNP7-6	6	7	151	34	94	97.5	1.34	£20.76
YUNP10-6	6	10	151	50	94	97.5	2.17	£20.87
YUNP12-6	6	12	151	50	94	97.5	2.19	£20.87
YUNP0.8-12	12	0.8	96	25	61.5	61.5	0.39	£16.03
YUNP1.2-12	12	1.2	97	48	51	54.5	0.64	£12.21
YUNP2.1-12	12	2.1	178	34	60	64	1.01	£14.20
YUNP2.3-12	12	2.3	178	34	60	64	1.01	£15.22
YUNP2.8-12	12	2.8	134	67	64	64	1.22	£16.29
YUNP3.2-12	12	3.2	134	67	64	64	1.28	£17.23
YUNP4-12	12	4	90	70	102	106	1.86	£19.28
YUNP7-12	12	7	151	65	94	97.5	2.2	£18.71
YUNP12-12	12	12	151	98	94	97.5	4.27	£38.87
YUNP17-12	12	17	181	76	167	167	6.54	£80.58
YUNP18-12B	12	18	180	76	167	167	6.9	£25.68
YUNP24-12I	12	24	166	175	125	125	9.93	£34.71
YUNP38-12	12	38	197	165	170	170	15.58	£107.65
YUNP65-12I	12	65	350	166	174	174	24.9	£94.40
YUNPH5-12	12	5.07	90	70	102	106	2.08	£27.78

Yuasa Cargo Heavy Duty Batteries (HD)

A full range of Nickel Metal Hydride (NiMH and NiCd) batteries, for all emergency lighting, fire and security, water meters, scientific equipment plus many more. All parts can be supplied with the relevant connectors, leads, tabs and heat wrap.

■ CARGO HEAVY DUTY BATTERIES (HD)

Part No	Description	Voltage	Capacity (Ah)	Cold Cranking Amps (CCA)	TRADE PRICE
YU615HD	615 Cargo Heavy Duty Battery	12	135	910	£205.95
YU622HD	622 Cargo Heavy Duty Battery	12	135	880	£187.95
YU625HD	625 Cargo Heavy Duty Battery	12	200	1050	£281.95
YU627HD	627 Cargo Heavy Duty Battery	12	120	675	£171.95
YU629HD	629 Cargo Heavy Duty Battery	12	155	815	£222.95
YU643HD	643 Cargo Heavy Duty Battery	12	96	620	£133.95
YU655HD	655 Cargo Heavy Duty Battery	12	125	720	£183.95
YU633HD	633 Cargo Heavy Duty Battery	12	135	735	£267.95

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Specialist Battery Packs

A full range of Nickel Metal Hydride (NiMH and NiCd) batteries, for all emergency lighting, fire and security, water meters, scientific equipment plus many more. All parts can be supplied with the relevant connectors, leads, tabs and heat wrap.

■ **LITHIUM THIONYL CHLORIDE**

Part No	Description	TRADE PRICE
BBLLTER14250	LT-ER14250 (XL050) Lithium 1/2 AA 3.6V 1.2AH	**POA**
BBLLTER14335	LT-ER14335 (XL055) Lithium 2/3 AA 3.6V 1.65AH	**POA**
BBLLTER14505	LT-ER14505 (XL060) Lithium AA 3.6V 1.65AH	**POA**
BBLLTXL060FT3EU	LT-XL060F/T3EU XENO Lithium 3.6V 2.4AH AA PCB3 TW/NEG	**POA**
BBLLTXL060FT3EUR	LT-XL060F/T3EUR XENO Lithium 3.6V 2.4AH AA PCB3 TW/PO	**POA**

GP Coin Cell & Photo Batteries

GP Lithium coin & photo batteries possess a 10 year shelf Life, high energy density, flat discharge voltage, wide operating temperature and excellent storability with low discharge rate.

■ **COIN CELL & CAMERA BATTERIES**

Part No	Description	Voltage	TRADE PRICE
BATCR2032PK1-GP	CR2032 Coin Cell Battery	3	**£2.54**
BATLR44PK1-GP	LR44 Coin Cell Battery	1.5	**£2.46**
BATSR44LPK1-GP	SR44 Coin Cell Battery	1.5	**£2.46**
BATCR123A1PK-GP	123A Lithium Battery	3	**£12.38**
BATCR2025LPK1-GP	CR2025 Coin Cell Battery	3	**£2.54**
BATCR2016PK1-GP	CR2016 Coin Cell Battery	3	**£2.54**

GP USB PowerBank Charger

GP U411 PowerBank is a compact charger for your AA or AAA batteries. It provides a universal common charging platform for ease of use.
▪ Auto power cut off
▪ LED indicator displays charging status
▪ USB to Micro USB cable for recharging batteries

■ **GP POWERBANK USB CHARGER**

Part No	Description	TRADE PRICE
GPU411	GP USB Battery Charger	**£15.00**

Industrial Controls

Electrical Installation

Lighting

Insulation Tape

Flame retardent and self-extinguishing – safe to use on electrical cables.

- Wide range of colours – suitable for colour coding UV resistant
- BS EN 60454 is the standard for PVC and other electrical insulating tapes, which is widely recognised in Europe
- Thickness 0.13mm
- Breaking load 26 N/cm
- Elongation 180%
- Adhesion to steel 2.4 N/cm
- Adhesion to self 2.1 N/cm
- Service temp −5°C to +70°C

Part No.	Colour	Size	TRADE PRICE
ADVAT7BLK19X20	Black	19mm x 20mts	**£1.14**
ADVAT7BRO19X20	Brown	19mm x 20mts	**£1.14**
ADVAT7BLU19X20	Blue	19mm x 20mts	**£1.14**
ADVAT7GRN/YEL19X20	Green/Yellow	19mm x 20mts	**£1.14**
ADVAT7GRY19X20	Grey	19mm x 20mts	**£1.14**
ADVAT7YEL19X20	Yellow	19mm x 20mts	**£1.14**
ADVAT7RED19X20	Red	19mm x 20mts	**£1.14**
ADVAT7WHT19X20	White	19mm x 20mts	**£1.14**
ADVAT7BLK19X33	Black	19mm x 33mts	**£1.69**
ADVAT7BRO19X33	Brown	19mm x 33mts	**£1.69**
ADVAT7BLU19X33	Blue	19mm x 33mts	**£1.69**
ADVAT7GRN/YEL19X33	Green/Yellow	19mm x 33mts	**£1.69**
ADVAT7GRY19X33	Grey	19mm x 33mts	**£1.69**
ADVAT7YEL19X33	Yellow	19mm x 33mts	**£1.69**
ADVAT7RED19X33	Red	19mm x 33mts	**£1.69**
ADVAT7WHT19X33	White	19mm x 33mts	**£1.69**
ADVAT7BLK25X33	Black	25mm x 33mts	**£2.23**
ADVAT7BRO25X33	Brown	25mm x 33mts	**£2.23**
ADVAT7BLU25X33	Blue	25mm x 33mts	**£2.23**
ADVAT7GRN/YEL25X33	Green/Yellow	25mm x 33mts	**£2.23**
ADVAT7GRY25X33	Grey	25mm x 33mts	**£2.23**
ADVAT7YEL25X33	Yellow	25mm x 33mts	**£2.23**
ADVAT7RED25X33	Red	25mm x 33mts	**£2.23**
ADVAT7WHT25X33	White	25mm x 33mts	**£2.23**

AT8H Hazard Warning Tape

Very high adhesion level – adheres well long-term to rough surfaces.

- Low stretch – will not lift once applied
- Good abrasion resistance – stands up well to foot and machinery traffic
- Can be walked on immediately after application
- Regulation colours should be used for marking hazards as indicates below

Applications:

Black/Yellow
- Radioactive substances
- Width and height restrictions
- Moving equipment and obstructions

Red/White
- Fire fighting equipment
- No smoking areas
- Flammable substances

Part No	Colour	Size	TRADE PRICE
ADVAT8HBLK/YEL50X33	Black/Yellow	50mm x 33mts	**£9.56**
ADVAT8HRED/WHT50X33	Red/White	50mm x 33mts	**£9.56**

AT6300 60°C Paper Masking Tape

Masking off during decorating, drilling or spraying.

- Easy unwind · Easy tear
- Low tack · Re-positionable
- Peel clean up to 3 hours
- Thickness 0.11mm
- Breaking load 30 N/cm
- Elongation 9%
- Adhesion to steel 3.8 N/cm
- Service temp 0°C to +60°C

Part No	Colour	Size	TRADE PRICE
ADVAT6300BEI36X50	Beige	36mm x 50mts	**£1.91**
ADVAT6300BEI48X50	Beige	48mm x 50mts	**£2.54**
ADVAT6300BEI72X50	Beige	72mm x 50mts	**£3.81**

AT1005 OPP Packaging Tape

Sealing boxes and other packaging items.

- Suitable for hand or machine applications
- Good instant stick
- Abrasion resistant
- Thickness 0.05mm
- Breaking load 110 N/cm
- Elongation 2.6 N/cm
- Service temp −25°C to +70°C

Part No	Colour	Size	TRADE PRICE
ADVAT1005BUF48X66	Buff	48mm x 66mts	**£1.81**

Standard Cable Ties and Bases

Standard nylon cable ties available in black and natural.

■ **CABLE TIES. PACKS OF 100**

Part No	Length	Width	Colour	TRADE PRICE
CBBR6666	100mm	2.5mm	Natural	£1.10
CBBR6697	100mm	2.5mm	Black	£1.10
CBBR6699	120mm	4.8mm	Black	£1.54
CBBR6670	142mm	2.5mm	Natural	£2.78
CBBR7242	142mm	2.5mm	Black	£2.78
CBBR6672	142mm	3.2mm	Natural	£2.78
CBBR7244	142mm	3.2mm	Black	£2.78
CBBR6674	150mm	8mm	Natural	£4.48
CBBR7246	150mm	8mm	Black	£4.48
CBBR7247	165mm	2.5mm	Black	£3.02
CBBR7248	160mm	4.8mm	Black	£3.21
CBBR6678	200mm	2.5mm	Natural	£3.29
CBBR7250	200mm	2.5mm	Black	£3.29
CBBR7252	200mm	8mm	Black	£5.45
CBBR6681	203mm	3.6mm	Natural	£3.62
CBBR7253	203mm	3.6mm	Black	£3.62
CBBR6683	203mm	4.6mm	Natural	£4.24
CBBR7255	203mm	4.6mm	Black	£4.24
CBBR6685	250mm	8mm	Natural	£4.39
CBBR7257	250mm	8mm	Black	£6.66
CBBR6686	292mm	3.6mm	Natural	£4.62

■ **CABLE TIES. PACKS OF 100**

Part No	Length	Width	Colour	TRADE PRICE
CBBR7258	292mm	3.6mm	Black	£5.08
CBBR6688	300mm	4.8mm	Natural	£5.08
CBBR7260	300mm	4.8mm	Black	£5.08
CBBR6690	370mm	3.6mm	Natural	£5.45
CBBR7262	370mm	3.6mm	Black	£5.45
CBBR6692	370mm	4.8mm	Natural	£6.04
CBBR7264	370mm	4.8mm	Black	£6.04
CBBR6694	370mm	7.6mm	Natural	£9.89
CBBR7266	370mm	7.6mm	Black	£9.89
CBBR6695	400mm	5mm	Natural	£11.50
CBBR7267	400mm	5mm	Black	£11.50
CBBR6696	500mm	5mm	Natural	£13.55
CBBR7268	500mm	5mm	Black	£13.55

■ **CABLE TIE BASES. STANDARD NYLON CABLE TIE BASE IN BLACK AND NATURAL. PACKS OF 10.**

Part No	Size	Colour	TRADE PRICE
CTRO41076	19mm x 19mm x 4mm	Natural	£0.55
CTRO41080	19mm x 19mm x 4mm	Black	£0.55
CTRO41078	28mm x 28mm x 5mm	Natural	£0.77
CTRO41082	28mm x 28mm x 5mm	Black	£0.77

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Panduit Pan-Ty® PREMIUM White Natural Nylon and Black Weather Resistant Cable Ties

- High grade Nylon 6.6, one piece construction with multiple locking tooth design
- High loop tensile strength exceeds industry and Aerospace (AS23190) standard
- UL Listed
- Lowest threading force of any one piece cable tie in the industry
- Bundle diameters up to 330mm or join together for larger diameters
- Miniature to standard cross sections feature a curved tip for easy threading and handling
- Finger tip grip assures positive grip and prevents tip from slipping out of head during threading

■ NATURAL NYLON (WHITE) TIES

Part No	Length	Width	Max. Bundle Dia.	Min. Loop Tensile Str. (N)	Pkg. Qty	TRADE PRICE
PNDTPLT1M-C	99mm	2.5mm	22mm	80 newtons	100	£1.71
PNDTPLT1.5M-C	142mm	2.5mm	32mm	81 newtons	100	£3.00
PNDTPLT2M-C	203mm	2.5mm	51mm	82 newtons	100	£4.82
PNDTPLT1.5I-C	142mm	3.6mm	35mm	178 newtons	100	£4.63
PNDTPLT2I-C	203mm	3.6mm	51mm	179 newtons	100	£6.36
PNDTPLT1S-C	122mm	4.8mm	25mm	222 newtons	100	£5.71
PNDTPLT2S-C	188mm	4.8mm	48mm	223 newtons	100	£6.78
PNDTPLT2.5S-C	249mm	4.8mm	64mm	224 newtons	100	£8.62
PNDTPLT3S-C	292mm	4.8mm	76mm	225 newtons	100	£10.62
PNDTPLT4S-C	368mm	4.8mm	102mm	226 newtons	100	£14.95
PNDTPLT4.5S-C	394mm	4.8mm	114mm	227 newtons	100	£18.40
PNDTPLT5S-C	445mm	4.8mm	127mm	228 newtons	100	£22.62
PNDTPLT2H-L	213mm	7.6mm	51mm	534 newtons	50	£9.32
PNDTPLT2.5H-L	254mm	7.6mm	64mm	535 newtons	50	£10.04
PNDTPLT3H-L	290mm	7.6mm	76mm	536 newtons	50	£10.09
PNDTPLT4H-L	368mm	7.6mm	102mm	537 newtons	50	£14.78
PNDTPLT6LH-L	556mm	7.6mm	152mm	538 newtons	50	£19.95
PNDTPLT9LH-L	775mm	7.6mm	229mm	539 newtons	50	£28.98
PNDTPLT6H-L	530mm	8.9mm	152mm	778 newtons	50	£24.76
PNDTPLT8H-L	779mm	8.9mm	229mm	779 newtons	50	£31.31
PNDTPLT13H-Q	1100mm	8.9mm	330mm	780 newtons	25	£23.80

■ UV WEATHER RESISTANT (BLACK) TIES

Part No	Length	Width	Max. Bundle Dia.	Min. Loop Tensile Str. (N)	Pkg. Qty	TRADE PRICE
PNDTPLT1M-C0	99mm	2.5mm	22mm	80 newtons	100	£1.98
PNDTPLT1.5M-C0	142mm	2.5mm	32mm	81 newtons	100	£3.45
PNDTPLT2M-C0	203mm	2.5mm	51mm	82 newtons	100	£5.55
PNDTPLT1.5I-C0	142mm	3.6mm	35mm	178 newtons	100	£5.33
PNDTPLT2I-C0	203mm	3.6mm	51mm	179 newtons	100	£7.33
PNDTPLT1S-C0	122mm	4.8mm	25mm	222 newtons	100	£6.57
PNDTPLT2S-C0	188mm	4.8mm	48mm	223 newtons	100	£7.80
PNDTPLT2.5S-C0	249mm	4.8mm	64mm	224 newtons	100	£9.93
PNDTPLT3S-C0	292mm	4.8mm	76mm	225 newtons	100	£12.21
PNDTPLT4S-C0	368mm	4.8mm	102mm	226 newtons	100	£17.21
PNDTPLT4.5S-C0	394mm	4.8mm	114mm	227 newtons	100	£21.14
PNDTPLT5S-C0	445mm	4.8mm	127mm	228 newtons	100	£26.00
PNDTPLT2H-L0	213mm	7.6mm	51mm	534 newtons	50	£10.72
PNDTPLT2.5H-L0	254mm	7.6mm	64mm	535 newtons	50	£11.55
PNDTPLT3H-L0	290mm	7.6mm	76mm	536 newtons	50	£11.60
PNDTPLT4H-L0	368mm	7.6mm	102mm	537 newtons	50	£17.01
PNDTPLT6LH-L0	556mm	7.6mm	152mm	538 newtons	50	£22.94
PNDTPLT9LH-L0	775mm	7.6mm	229mm	539 newtons	50	£33.34
PNDTPLT6H-L0	530mm	8.9mm	152mm	778 newtons	50	£28.47
PNDTPLT8H-L0	779mm	8.9mm	229mm	779 newtons	50	£36.00
PNDTPLT13H-Q0	1100mm	8.9mm	330mm	780 newtons	25	£27.37

Panduit Pan-Ty® PREMIUM Metal Detectable Cable Ties and Mounts

- Panduit metal detectable products help companies comply with the Food and Drug Administration standards and the EU hygiene monitoring regulations
- Metal impregnated material throughout allows identification by metal detectors or x-ray inspection to meet food, beverage and pharmaceutical safety standards
- Blue colour, as per common industry practices, provides easy identification
- Available in either nylon or polypropylene material

■ **METAL DETECTABLE POLYPROPYLENE CABLE TIES**
(Dark Blue Colour) For use in areas where aggressive acid and alkaline chemicals are used to clean the equipment. Polypropylene offers superior resistance and long term durability.

Part No	Length	Width	Max. Bundle Dia.	Min. Loop Tensile Str. (N)	Pkg. Qty	TRADE PRICE
PNDTPLT1M-C186	100mm	2.5mm	22mm	80 newtons	100	£11.76
PNDTPLT2I-C186	203mm	3.4mm	51mm	178 newtons	100	£18.62
PNDTPLT2S-C186	186mm	4.8mm	47mm	222 newtons	100	£18.99
PNDTPLT3S-C186	291mm	4.8mm	76mm	222 newtons	100	£35.89
PNDTPLT4S-C186	366mm	4.8mm	102mm	222 newtons	100	£39.13
PNDTPLT3H-L186	282mm	7.6mm	76mm	534 newtons	50	£29.59
PNDTPLT4H-L186	366mm	7.6mm	102mm	534 newtons	50	£29.59

■ **METAL DETECTABLE NYLON CABLE TIES**
(Light Blue Colour) For general purpose maintenance, ideal for use in control panels and overhead cable runs.

Part No	Length	Width	Max. Bundle Dia.	Min. Loop Tensile Str. (N)	Pkg. Qty	TRADE PRICE
PNDTPLT1M-C86	100mm	2.5mm	22mm	80 newtons	100	£9.33
PNDTPLT2I-C86	203mm	3.4mm	51mm	178 newtons	100	£14.88
PNDTPLT2S-C86	186mm	4.8mm	47mm	222 newtons	100	£15.17
PNDTPLT3S-C86	291mm	4.8mm	76mm	222 newtons	100	£28.46
PNDTPLT4S-C86	366mm	4.8mm	102mm	222 newtons	100	£31.30
PNDTPLT3H-L86	282mm	7.6mm	76mm	534 newtons	50	£23.67
PNDTPLT4H-L86	366mm	7.6mm	102mm	534 newtons	50	£26.05

■ **METAL DETECTABLE POLYPROPYLENE MOUNTS**
(Dark Blue Colour) Pack of 100.

Part No	Length	Width	Height	Mounting Method	Used with Cable Ties	TRADE PRICE
PNDTTM2S8-C186	16mm	10.7mm	7mm	M4 screw	4.8mm wide max	£63.62
PNDTTM3S8-C186	22mm	15.6mm	9.5mm	M4 screw	7.6mm wide max	£71.56
PNDTTM3S10-C186	22mm	15.6mm	9.5mm	M5 screw	7.6mm wide max	£74.50

■ **METAL DETECTABLE NYLON MOUNTS**
(Light Blue Colour) Pack of 100

Part No	Length	Width	Height	Mounting Method	Used with Cable Ties	TRADE PRICE
PNDTTM2S8-C86	16mm	10.7mm	7mm	M4 screw	4.8mm wide max	£48.94
PNDTTM3S8-C86	22mm	15.6mm	9.5mm	M4 screw	7.6mm wide max	£55.05
PNDTTM3S10-C86	22mm	15.6mm	9.5mm	M5 screw	7.6mm wide max	£57.30

Panduit Pan-Ty® PREMIUM Releasable Cable Ties

- Extended release tab permits easy release and re-use where changes are anticipated
- Easy release and curved tip for easy threading and handling
- High grade Nylon 6.6, one-piece construction

■ **NATURAL NYLON (WHITE) TIES**

Part No	Length	Width	Max. Bundle Dia.	Min. Loop Tensile Str. (N)	Pkg. Qty	TRADE PRICE
PNDTPRT2S-C	188mm	4.8mm	48mm	222 newtons	100	£10.55
PNDTPRT4S-C	368mm	4.8mm	102mm	222 newtons	100	£22.20
PNDTPRT2H-L	213mm	7.6mm	51mm	534 newtons	50	£12.10
PNDTPRT4H-L	368mm	7.6mm	102mm	534 newtons	50	£26.31

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■ **UV WEATHER RESISTANT (BLACK) TIES**

Part No	Length	Width	Max. Bundle Dia.	Min. Loop Tensile Str. (N)	Pkg. Qty	TRADE PRICE
PNDTPRT2S-C0	188mm	4.8mm	48mm	222 newtons	100	£12.13
PNDTPRT4S-C0	368mm	4.8mm	102mm	222 newtons	100	£25.52
PNDTPRT2H-L0	213mm	7.6mm	51mm	534 newtons	50	£13.92
PNDTPRT4H-L0	368mm	7.6mm	102mm	534 newtons	50	£30.26

Panduit Cable Tie Mounts (Adhesive Backed)

- Superior pressure sensitive foam adhesive backing for long-term reliability
- 2-up mount configuration speeds liner removal and installation
- 4-way cable tie entry makes part orientation fast and easy
- ABM2S can also be fitted using M3 screws for additional holding strength
- Larger sizes available with higher load ability and for use with larger ties
- Screw mount and powerful epoxy mount versions also available
- Rubber adhesive suitable for −40°C to +49°C

■ **RUBBER ADHESIVE**

Part No	Length	Width	Max. Cable Tie Width	Max. Static Load (g)	Pkg. Qty	Colour	TRADE PRICE
PNDTABMM-A-C	19.1mm	19.1mm	3.6mm	136	100	White	£21.29
PNDTABM2S-A-C	25.4mm	25.4mm	4.8mm	227	100	White	£30.34

■ **ACRYLIC ADHESIVE**

Part No	Length	Width	Max. Cable Tie Width	Max. Static Load (g)	Pkg. Qty	Colour	TRADE PRICE
PNDTABMM-AT-C0	19.1mm	19.1mm	3.6mm	136	100	Black	£25.71
PNDTABM2S-AT-C0	25.4mm	25.4mm	4.8mm	227	100	Black	£36.64

Panduit Pan-Steel® Premium Stainless Steel

- Pan-Steel system stainless steel cable ties can be used in virtually all indoor, outdoor and underground (including direct burial) applications. Their high strength, non-flammability, vibration proof, fully rounded edges and exclusive easy thread lead-in design provide the ultimate support for cables
- Self-locking head design speeds installation and locks into place at any length along the tie body
- Smooth surfaces and rounded edges assures cable protection and worker safety
- 304 stainless steel. Also available in 316 stainless steel for the most corrosive environments
- Temperature range: −80°C to 538°C
- Complete range of sizes and strengths also available

Part No	Length	Width	Max. Bundle Dia.	Min. Loop Tensile Str. (N)	Pkg. Qty	TRADE PRICE
PNDTMLT2S-L	201mm	4.6mm	51mm	890 newtons	50	£32.34
PNDTMLT4S-L	362mm	4.6mm	102mm	890 newtons	50	£40.42
PNDTMLT4H-LP	362mm	7.9mm	102mm	2000 newtons	50	£485.05
PNDTMLT6H-LP	521mm	7.9mm	152mm	2000 newtons	50	£584.90
PNDTMLT8H-LP	679mm	7.9mm	203mm	2000 newtons	50	£71.32
PNDTST2MT	Installation tool for above ties				1	£267.21

Split Harness Wrap & Tools

- Patented Slot pattern provides improved flexibility and abrasion protection
- Unique wall design allows easy wire or cable breakouts
- Innovative design maintains uniform bundle protection in dynamic applications; large overlap accommodates a wide range of bundle diameters
- Reduces installation time
- Packaged on a reel for convenient handling and dispensing of product
- Patented installation tool with 180° opening allows easy loading of maximum bundle diameters to speed installation, providing the lowest installed cost.

■ SPLIT HARNESS WRAP & TOOLS

Part No	Description	Colour	Reel Length	TRADE PRICE
PNDTPW50F-T20	12.7mm nominal I.D., polyethylene	Black	61M	£98.92
PNDTPW75F-C20	19.1mm nominal I.D., polyethylene	Black	30M	£80.60
PNDTPW100F-C20	25.4mm nominal I.D., polyethylene	Black	30M	£112.84
PNDTPW150F-L20	38.1mm nominal I.D., polyethylene	Black	15M	£90.84
PNDTPWT50	Pan-Wrap ™ tool for Split Harness Wrap 12.7mm	N/A	N/A	£4.44
PNDTPWT75	Pan-Wrap ™ tool for Split Harness Wrap 19.1mm	N/A	N/A	£5.62
PNDTPWT100	Pan-Wrap ™ tool for Split Harness Wrap 25.4mm	N/A	N/A	£6.03
PNDTPWT150	Pan-Wrap ™ tool for Split Harness Wrap 38.1mm	N/A	N/A	£8.46

Spiral Wrap

- Spiral wrap cable wrap is flexible, neat and fast
- Allows breakouts of single/multiple wires and rerouting of replacement wires
- Harness multiple cables into a single manageable bundle
- Abrasion protection for wires cables hoses and tubing
- Reusable
- Tool supplied in each package
- Temperature Range: -40°C - 65°C

■ SPIRAL WRAP

Part No	Description	Colour	Reel Length	TRADE PRICE
PNDTT25F-C0	Spiral wrap, 6.3mm outside diameter, weather resistant Polyethylene	Black	30M	£36.66
PNDTT38F-C0	Spiral wrap, 9.7mm outside diameter, weather resistant Polyethylene	Black	30M	£53.84
PNDTT50F-C0	Spiral wrap, 12.7mm outside diameter, weather resistant polyethylene	Black	30M	£54.10
PNDTT75F-C0	Spiral wrap, 19.1mm outside diameter, weather resistant polyethylene	Black	30M	£125.72

Grommet Edging

- Slotted Edging for use on irregular shaped or round panel holes.
- Highly flexible 0.8mm thick material
- Also available in black
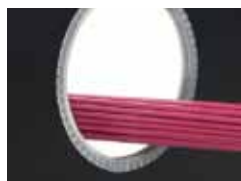
■ SPIRAL WRAP

Part No	Description	Colour	TRADE PRICE
PNDTGEE62F-A-C	Slotted wall product, 1.6mm thickness, polyethylene	Natural	£51.89
PNDTGEE99F-A-C	Slotted wall product, 2.5mm thickness, polyethylene	Natural	£56.68
PNDTGEE144F-A-C	Slotted wall product, 3.7mm thickness, polyethylene	Natural	£64.04

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Braided Expandable Sleeving – Fray Resistance

- Provides continuous abrasion resistance for wire cables, hoses and tubing
- Lightweight durable protection
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 125°C
- Compliant with European passenger rail standards
- Material: Polyethylene Terephthalate (PET)
- All PET is naturally UV resistant
- Allows for use with irregular shapes
- For indoor and outdoor use
- Fray-resistant design resists fraying when cut with scissors

■ BRAIDED EXPANDABLE SLEEVING FRAY RESISTANT

Part No	Description	Colour	Reel Length	TRADE PRICE
PNDTSE25PSC-TR0	6.4mm diameter, Polyethylene Terephthalate (PET) Fray Resistant	Black	61M	£99.82
PNDTSE50PSC-CR0	12.7mm diameter, Polyethylene Terephthalate (PET) Fray Resistant	Black	30M	£92.98
PNDTSE75PSC-CR0	19.1mm diameter, Polyethylene Terephthalate (PET) Fray Resistant	Black	30M	£121.01
PNDTSE125PSC-LR0	31.8mm diameter, Polyethylene Terephthalate (PET) Fray Resistant	Black	15M	£88.89

Heat Shrink

- Applications include insulating, protecting, and colour coding wires and cables.
- Shrink ratio of 2:1 insulates a wide range of diameters and irregular shapes
- Cross-linked black Polyolefin, UV resistant material improves flame retardancy, chemical, and temperature resistance
- Voltage 600V
- Mil Spec AMS-DtL-23053/5 Class 1
- Temp range -55°C to 135°C

■ PANDUIT HEAT-SHRINK - GENERAL PURPOSE - FOR DRY LOCATIONS

Part No	Description	Colour	Pkg Qty	TRADE PRICE
PNDTHSTT05-48-Q	Heat shrink thin wall, 0.05" (1.2mm) diameter, 4' (1.2m) length, Black cross-linked polyolefin	Black	25	£37.00
PNDTHSTT06-48-Q	Heat shrink thin wall, 0.06" (1.6mm) diameter, 4' (1.2m) length, Black cross-linked polyolefin	Black	25	£37.75
PNDTHSTT09-48-Q	Heat shrink thin wall, 0.09" (2.4mm) diameter,, 4' (1.2m) length, Black cross-linked polyolefin	Black	25	£39.50
PNDTHSTT12-48-Q	Heat shrink thin wall, 0.12" (3.2mm) diameter, 4' (1.2m) length, Black cross-linked polyolefin	Black	25	£41.75
PNDTHSTT19-48-Q	Heat shrink thin wall, 0.19" (4.8mm) diameter, 4' (1.2m) length, Black cross-linked polyolefin	Black	25	£48.50
PNDTHSTT25-48-Q	Heat shrink thin wall, 0.25" (6.4mm) diameter, 4' (1.2m) length, Black cross-linked polyolefin	Black	25	£58.50
PNDTHSTT38-48-Q	Heat shrink thin wall, 0.38" (9.5mm) diameter,, 4' (1.2m) length, Black cross-linked polyolefin	Black	25	£73.25

■ PLASTIC HEAT SHRINK TUBING KIT BOXES – FOR DRY LOCATIONS

Part No	Description	Colour	Pkg Qty	TRADE PRICE
PNDTKP-HSTT2	Heat shrink kit box - plastic case, 7 colours (5 ea color) 3/32",1/8" (3 ea color) 3/16",1/4" (1 ea color) 3/8", 1/2"	Various	25	£63.54

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Female Disconnect Terminal

Insulated Female Disconnect Terminals in red, blue and yellow.
- Material: Brass – Tin Plated
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Colour	Tab Size	Cable Size	TRADE PRICE
SWA28RFP	Red	2.8 x 0.5	0.5 – 1.5mm	£10.03
SWA28RFPX	Red	2.8 x 0.8	0.5 – 1.5mm	£10.56
SWA48RFP	Red	4.8 x 0.5	0.5 – 1.5mm	£8.91
SWA48RFPX	Red	4.8 x 0.8	0.5 – 1.5mm	£10.56
SWA63RFP	Red	6.3 x 0.8	0.5 – 1.5mm	£8.17
SWA48BFP	Blue	4.8 x 0.5	1.5 – 2.5mm	£10.07
SWA63BFP	Blue	6.3 x 0.8	1.5 – 2.5mm	£9.14
SWA63YFP	Yellow	6.3 x 0.8	4 – 6mm	£13.95

Male Disconnect Terminal

Insulated Male Disconnect Terminals in red, blue and yellow.
- Material: Brass – Tin Plated
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Colour	Tab Size	Cable Size	TRADE PRICE
SWA28RMP	Red	2.8 x 0.5	0.5 – 1.5mm	£23.06
SWA48RMP	Red	4.8 x 0.5	0.5 – 1.5mm	£14.91
SWA63RMP	Red	6.3 x 0.8	0.5 – 1.5mm	£7.76
SWA48BMP	Blue	4.8 x 0.5	0.5 – 1.5mm	£17.4
SWA63BMP	Blue	6.3 x 0.8	0.5 – 1.5mm	£7.95
SWA63YMP	Yellow	6.3 x 0.8	1.5 – 2.5mm	£14.52

Fully Insulated Female Disconnect Terminal

Fully insulated Female Disconnect Terminals in red, blue and yellow.
- Material: Brass – Tin Plated
- Insulation: Nylon
- Packs of 100

Part No.	Colour	Tab Size	Cable Size	TRADE PRICE
SWA28RFPT	Red	2.8 x 0.5	0.5 – 1.5mm	£12.67
SWA28RFPTX	Red	2.8 x 0.8	0.5 – 1.5mm	£17.85
SWA48RFPT	Red	4.8 x 0.5	0.5 – 1.5mm	£12.67
SWA48RFPTX	Red	4.8 x 0.8	0.5 – 1.5mm	£19.14
SWA63RFPT	Red	6.3 x 0.8	0.5 – 1.5mm	£12.00
SWA48BFPT	Blue	4.8 x 0.5	1.5 – 2.5mm	£14.03
SWA63BFPT	Blue	6.3 x 0.8	1.5 – 2.5mm	£12.87
SWA63YFPT	Yellow	6.3 x 0.8	1.5 – 2.5mm	£19.57

Ring Terminals

Insulated Ring terminals in red, blue and yellow.
- Material: Copper
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Size	Colour	Cable Size	TRADE PRICE
SWA32RER	3.2mm	Red	0.5 – 1.5mm	£5.86
SWA37RER	3.7mm	Red	0.5 – 1.5mm	£5.86
SWA43RER	4.3mm	Red	0.5 – 1.5mm	£6.27
SWA53RER	5.3mm	Red	0.5 – 1.5mm	£6.27
SWA65RER	6.5mm	Red	0.5 – 1.5mm	£8.83
SWA85RER	8.5mm	Red	0.5 – 1.5mm	£9.04
SWA10RER	10mm	Red	0.5 – 1.5mm	£11.28
SWA32BER	3.2mm	Blue	1.5 – 2.5mm	£6.93
SWA37BER	3.7mm	Blue	1.5 – 2.5mm	£6.93
SWA43BER	4.3mm	Blue	1.5 – 2.5mm	£7.35
SWA53BER	5.3mm	Blue	1.5 – 2.5mm	£7.35
SWA65BER	6.5mm	Blue	1.5 – 2.5mm	£9.90
SWA85BER	8.5mm	Blue	1.5 – 2.5mm	£9.97
SWA10BER	10mm	Blue	1.5 – 2.5mm	£12.63
SWA32YER	3.2mm	Yellow	4 – 6mm	£12.63
SWA37YER	3.7mm	Yellow	4 – 6mm	£12.63
SWA43YER	4.3mm	Yellow	4 – 6mm	£13.79
SWA53YER	5.3mm	Yellow	4 – 6mm	£13.79
SWA65YER	6.5mm	Yellow	4 – 6mm	£15.02
SWA85YER	8.5mm	Yellow	4 – 6mm	£19.23
SWA10YER	10mm	Yellow	4 – 6mm	£20.20
SWA12YER	13mm	Yellow	4 – 6mm	£26.73

Pin Terminal

Insulated Pin terminals in red, blue and yellow.
- Material: Copper
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Pin Length	Colour	Cable Size	TRADE PRICE
SWA95RP	9mm	Red	0.5 – 1.5mm	£6.44
SWA12RP	12mm	Red	0.5 – 1.5mm	£6.53
SWA95BP	9mm	Blue	1.5 – 2.5mm	£7.26
SWA12BP	12mm	Blue	1.5 – 2.5mm	£7.56
SWA14YP	14.5mm	Yellow	4 – 6mm	£14.85

Industrial Controls

Electrical Installation

Lighting

Bootlace Ferrules

- Material: Electrolytic Copper – purity grade 99.9%
- Insulation: Polyamide 66
- Pack size: 100

Part No.	Colour	Size	TRADE PRICE
SWA0508IBLFT	White	0.50mm	£2.89
SWA0758IBLFT	Blue	0.75mm	£2.89
SWA1.08IBLFT	Red	1.0mm	£2.89
SWA1.58IBLFT	Black	1.5mm	£2.89
SWA2.58IBLFT	Grey	2.5mm	£3.29
SWA4.09IBLFT	Orange	4.0mm	£6.01
SWA6.012IBLFT	Green	6.0mm	£7.10
SWA1012IBLFT	Brown	10mm	£10.19
SWA1612IBLFT	Ivory	16mm	£13.06
SWA2516IBLFT	Black	25mm	£20.70

Insulated Twin Bootlace Ferrule

- Material: Electrolytic Copper – purity grade 99.9%
- Insulation: Polyamide 66
- Pack size: 100

Part No.	Colour	Size	TRADE PRICE
SWA0.508IBLF2	White	0.50mm	£9.46
SWA0.758IBLF2	Grey	0.75mm	£9.46
SWA1.08IBLF2	Red	1.0mm	£9.46
SWA1.58IBLF2	Black	1.5mm	£9.46
SWA2.58IBLF2	Blue	2.5mm	£9.83
SWA4.09IBLF2	Grey	4.0mm	£27.80

Butt and Parallel Splices

Insulated Butt and Parallel Splices in red, blue and yellow.
- Material: Copper
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Description	Size	Colour	Length	Cable Size	TRADE PRICE
SWA15BSL	Butt Splice	4.3mm	Red	24.5mm	0.5 – 1.5mm	£8.58
SWA15PSL	Parallel Splice	3.3mm	Red	16mm	0.5 – 1.5mm	£23.51
SWA25BSL	Butt Splice	4.8mm	Blue	24.5mm	1.5 – 2.5mm	£10.32
SWA25PSL	Parallel Splice	2.3mm	Blue	16mm	1.5 – 2.5mm	£26.81
SWA6BSL	Butt Splice	6.6mm	Yellow	26mm	4 – 6mm	£17.57
SWA6PSL	Parallel Splice	5.5mm	Yellow	20.5mm	4 – 6mm	£17.73

Blade Terminal

Insulated Blade Terminals in red, blue and yellow.
- Material: Copper
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Blade Length	Colour	Cable Size	TRADE PRICE
SWA10RB	10mm	Red	0.5 – 1.5mm	£8.15
SWA18RB	18mm	Red	0.5 – 1.5mm	£8.47
SWA9BB	10mm	Blue	1.5 – 2.5mm	£7.43
SWA18BB	18mm	Blue	1.5 – 2.5mm	£8.55
SWA10YB	10mm	Yellow	4 – 6mm	£13.12
SWA18YB	18mm	Yellow	4 – 6mm	£22.44

Ratchet Crimping Tools

A range of ratchet crimping tools which are compact, lightweight and easy to use.
- RPI – Hand ratchet tool to crimp pre-insulated terminals 0.5–6.0mm^2
- For precise crimping both conductor and insulation in one easy action
- New improved ergonomic design for easy crimping
- RPB56 - Small hand ratchet tool to crimp bootlace ferrules 0.5–6mm^2
- New improved ergonomic design for easy crimping
- RP1516 – Hand ratchet tool to indent crimp un-insulated terminals
- 1.5–16mm^2

Part No.	Description	Size	TRADE PRICE
SWARPI	For Preinsulated Terminals	0.5 – 6.0mm	£25.91
SWARPB56	For Bootlace Ferrules	0.5 – 6.0mm	£39.24
SWARP1516	For Copper Tube Terminals	1.5 – 16mm	£34.34

Fork Terminals

Insulated Fork terminals in red, blue and yellow.
- Material: Copper
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Size	Colour	Cable Size	TRADE PRICE
SWA32RF	3.2mm	Red	0.5 − 1.5mm	£5.74
SWA37RF	3.7mm	Red	0.5 − 1.5mm	£5.74
SWA43RF	4.3mm	Red	0.5 − 1.5mm	£5.74
SWA53RF	5.3mm	Red	0.5 − 1.5mm	£6.37
SWA65RF	6.5mm	Red	0.5 − 1.5mm	£7.66
SWA32BF	3.2mm	Blue	1.5 − 2.5mm	£7.35
SWA37BF	3.7mm	Blue	1.5 − 2.5mm	£7.35
SWA43BF	4.3mm	Blue	1.5 − 2.5mm	£7.35
SWA53BF	5.3mm	Blue	1.5 − 2.5mm	£7.62
SWA65BF	6.5mm	Blue	1.5 − 2.5mm	£9.08
SWA37YF	3.7mm	Yellow	4 − 6mm	£13.04
SWA43YF	4.3mm	Yellow	4 − 6mm	£13.04
SWA53YF	5.3mm	Yellow	4 − 6mm	£13.04
SWA65YF	6.5mm	Yellow	4 − 6mm	£17.95
SWA85YF	8.5mm	Yellow	4 − 6mm	£17.95
SWA10YF	10mm	Yellow	4 − 6mm	£17.95

Female Bullet Terminal

Insulated Female Bullet terminals in red, blue and yellow.
- Material: Brass − Tin Plated
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Colour	Size	Cable Size	TRADE PRICE
SWA4RSF	Red	4mm	0.5 − 1.5mm	£9.47
SWA4BSF	Blue	4mm	1.5 − 2.5mm	£10.89
SWA50BSF	Blue	5mm	1.5 − 2.5mm	£11.55
SWA50YSF	Yellow	5mm	4 − 6mm	£15.54

Male Bullet Terminal

Insulated Male Bullet terminals in red, blue and yellow.
- Material: Brass − Tin Plated
- Insulation: Polyvinyl Chloride
- Packs of 100

Part No.	Colour	Size	Cable Size	TRADE PRICE
SWA4RBM	Red	4mm	0.5 − 1.5mm	£8.91
SWA4BBM	Blue	4mm	1.5 − 2.5mm	£9.36
SWA50BBM	Blue	5mm	1.5 − 2.5mm	£9.80
SWA50YBM	Yellow	5mm	4 − 6mm	£14.12

Copper Tube Terminals

Un-insulated heavy duty terminals suitable for power cables up to 1000 volts.
- Material: Manufactured from seamless copper tube to BS EN 12449:1999
- Finish: Electro Tin plated.

Part No.	Stud Size	Conuctor Size	TRADE PRICE
SWA44TQ	4mm	4mm	£0.29
SWA45TQ	5mm	4mm	£0.29
SWA46TQ	6mm	4mm	£0.29
SWA64TQ	4mm	6mm	£0.33
SWA65TQ	5mm	6mm	£0.33
SWA66TQ	6mm	6mm	£0.33
SWA68TQ	8mm	6mm	£0.33
SWA610TQ	10mm	6mm	£0.36
SWA105TQ	5mm	10mm	£0.33
SWA106TQ	6mm	10mm	£0.33
SWA108TQ	8mm	10mm	£0.40
SWA1010TQ	10mm	10mm	£0.46
SWA165TQ	5mm	16mm	£0.40
SWA166TQ	6mm	16mm	£0.40
SWA168TQ	8mm	16mm	£0.53
SWA1610TQ	10mm	16mm	£0.59
SWA1612TQ	12mm	16mm	£0.59
SWA258TQ	8mm	25mm	£0.73
SWA2510TQ	10mm	25mm	£0.79
SWA358TQ	8mm	35mm	£0.92
SWA3510TQ	10mm	35mm	£0.99
SWA3512TQ	12mm	35mm	£0.99
SWA5010TQ	10mm	50mm	£1.19
SWA5012TQ	12mm	50mm	£1.19
SWA708TQ	8mm	70mm	£1.85
SWA7010TQ	10mm	70mm	£1.98
SWA7012TQ	12mm	70mm	£1.98
SWA958TQ	8mm	95mm	£2.51
SWA9510TQ	10mm	95mm	£2.51
SWA9512TQ	12mm	95mm	£2.50
SWA12010TQ	10mm	120mm	£4.03
SWA12012TQ	12mm	120mm	£4.03
SWA15010TQ	10mm	150mm	£5.08
SWA15012TQ	12mm	150mm	£5.08
SWA18510TQ	10mm	185mm	£6.27
SWA18512TQ	12mm	185mm	£6.27

Industrial Controls

Electrical Installation

Lighting

Should not be installed at temperatures below 0°C

PVC Insulated Wiring Cable 6491X (1.5mm to 16mm)

Stranded plain annealed compacted circular copper conductor, PVC outer sheath.

- Ref 6491X. Harmonised code HO7V-R. 450V grade to BS6004
- Flame propagation to BS4066 PT1 and IEC 332 PT1
- Temperature limits: −15°C to +70°C
- Standard colours available: Brown, Black, Grey, Blue, Green/Yellow

■ **PVC INSULATED WIRING CABLE 6491X – SINGLE CORE**

Part No	Size (mm)	Reel Size
KB6491X1.5100***	1.5	100 mtr
KB6491X2.5100***	2.5	100 mtr
KB6491X4.0100***	4	100 mtr
KB6491X6.0100***	6	100 mtr
KB6491X10100***	10	100 mtr
KB6491X1650***	16	50 mtr

Low Smoke Zero Halogen Insulated Wiring Cable 6491B (1.5mm to 16mm)

Stranded plain annealed compacted circular copper conductor, low smoke and zero halogen (LSOH) outer sheath.

- 450/750V grade to BS7211
- Flame propagation to BS4066 PT1 and IEC 332 PT1
- Temperature limits: −15°C to +70°C
- Standard colours available: Brown, Black, Grey, Blue, Green/Yellow

■ **LOW SMOKE ZERO HALOGEN INSULATED WIRING CABLE 6491B – SINGLE CORE**

Part No	Size (mm)	Reel Size
KB6491B1.5100***	1.5	100 mtr
KB6491B2.5100***	2.5	100 mtr
KB6491B4.0100***	4	100 mtr
KB6491B6.0100***	6	100 mtr
KB6491B10100***	10	100 mtr
KB6491B1650***	16	50 mtr

Insulated Wiring Cable 6491X & 6491B colour selection chart (***)
BRN = Brown, BLK = Black, GRY = Grey, BLU = Blue, GRNYEL = Green/Yellow

PVC Insulated Flexible Cords Type 318*Y and 218*Y (0.5mm to 2.5mm)

- Plain annealed flexible copper conductors, PVC insulated, PVC outer sheath, black or white
- 300/500 volts to grade BS6500. (Harmonised cable code HO5VV-F)
- Flame propagation to BS4066 PT1 and IEC 332 PT1
- Temp limits: Fixed −5°C to +60°C Flexing +5°C to 60°C
- Core Identification: 2-core: Blue, Brown. 3-core: Blue, Brown, Green/Yellow. 4-core: Blue, Brown, Black, Green/Yellow 5-core: Blue, Brown, Black, Black, Green/Yellow

Should not be installed at temperatures below 0°C

■ **PVC INSULATED FLEXIBLE CORDS TYPE 318*Y AND 218*Y (0.5MM TO 2.5MM) 100 METRE REEL SIZE**

Part No	Size (mm)	Core	Part No	Size (mm)	Core
KB2182Y0.5100***	0.5	2	KB3183Y2.5100***	2.5	3
KB2182Y0.75100***	0.75	2	KB3184Y0.75100***	0.75	4
KB2183Y0.5100***	0.5	3	KB3184Y1.0100***	1	4
KB2183Y0.75100***	0.75	3	KB3184Y1.5100***	1.5	4
KB3182Y0.5100***	0.5	2	KB3184Y2.5100***	2.5	4
KB3182Y0.75100***	0.75	2	KB3185Y0.75100***	0.75	5
KB3182Y1.0100***	1	2	KB3185Y1.0100***	1	5
KB3182Y1.5100***	1.5	2	KB3185Y1.5100***	1.5	5
KB3182Y2.5100***	2.5	2	KB3185Y2.5100***	2.5	5
KB3183Y0.5100***	0.5	3			
KB3183Y0.75100***	0.75	3			
KB3183Y1.0100***	1	3			
KB3183Y1.5100***	1.5	3			

PVC Insulated Twin & Earth Cable 6242Y

PVC insulated, solid or stranded copper conductor.
- Grey. Ref: 6242Y Voltage: 300/500V
- Manufactured to BS6004
- Should not be installed at temperatures below 0ºC

■ **PVC INSULATED TWIN & EARTH CABLE 6242Y**

Part No	Size (mm)	Core	Reel Size
KB6242Y1.0100GRY	1	2 + Earth	100 mtr
KB6242Y1.5100GRY	1.5	2 + Earth	100 mtr
KB6242Y2.5100GRY	2.5	2 + Earth	100 mtr
KB6242Y4.0100GRY	4	2 + Earth	100 mtr
KB6242Y6.0100GRY	6	2 + Earth	100 mtr
KB6242Y1050GRY	10	2 + Earth	50 mtr
KB6242Y1650GRY	16	2 + Earth	50 mtr

Have you seen...

Our Gland Packs on page 95-96
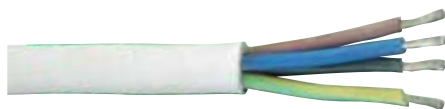
PVC Insulated Flexible Cords Type 309*Y

Plain annealed flexible copper conductors heat resisting PVC outer sheath. White.
- 300/500V grade to BS6141
- Flame propagation to BS4066 PT1 and IEC 332 PT1
- Temp limits: Fixed −5ºC to +90ºC Flexing +5ºC to +90ºC
- Core Identification: 2-core: Blue, Brown. 3-core: Blue, Brown, Green/Yellow. 4-core: Blue, Brown, Black, Green/Yellow
- Should not be installed at temperatures below 0ºC

■ **PVC INSULATED FLEXIBLE CORDS TYPE 309*Y – 100 METRE REEL**

Part No	Size (mm)	Core
KKB3092Y0.5100WHI	0.5	2
KB3092Y0.75100WHI	0.75	2
KB3092Y1.0100.WHI	1	2
KB3092Y1.5100WHI	1.5	2
KB3092Y2.5100WHI	2.5	2
KB3093Y0.5100WHI	0.5	3
KB3093Y0.75100WHI	0.75	3
KB3093Y1.0100WHI	1	3
KB3093Y1.5100WHI	1.5	3
KB3093Y2.5100WHI	2.5	3
KB3094Y0.5100WHI	0.5	4
KB3094Y0.75100WHI	0.75	4
KB3094Y1.0100WHI	1	4
KB3094Y1.5100WHI	1.5	4
KB3094Y2.5100WHI	2.5	4

EPR Insulated HOFR Sheathed Flexible Power and Control Cable (0.75mm to 2.5mm) 3183TQ

Tinned annealed flexible copper conductors, ethylene propylene rubber (EPR) insulated, chlorosulphated polyethylene (CSP) outer sheath.
- 300/500V grade to BS6500
- Black or White. Flame propagation to BS4066 PT1 and IEC 332 PT1
- Heat and oil resistant and flame retardant (HOFR)
- Temperature limits: −25ºC to +90ºC
- Core Identification: 2-core: Blue, Brown. 3-core: Blue, Brown, Green/Yellow. 4-core: Grey, Black, Brown, Green/Yellow. 5-core: Grey, Black, Brown, Blue, Green/Yellow
- 6 core and above: Black with White numbers plus Green/Yellow
- Should not be installed at temperatures below −25ºC

■ **EPR INSULATED HOFR SHEATHED FLEXIBLE POWER AND CONTROL CABLE – 100 METRE REEL**

Part No	Size (mm)	Core
KB3183TQ0.75100***	0.75	3
KB3183TQ1.0100***	1	3
KB3183TQ1.5100***	1.5	3
KB3183TQ2.5100***	2.5	3

Insulated Sheathed Cable 3183TQ colour selection chart (***) WHI = White, BLK = Black
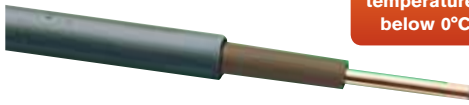
Should not be installed at temperatures below 0°C

PVC Insulated PVC Sheathed Surface Wiring Cable Type 6181Y (1mm to 25mm)

Plain annealed stranded circular copper conductor, single core, PVC insulated.

- PVC Sheathed, REF 6181Y. 300/500V grade to BS6004. Brown/Grey or Blue/Grey
- Flame propagation to BS4066 PT1 and IEC 332 PT1
- Temperature limits: −15°C to +70°C
- Should not be installed at temperatures below 0°C

■ PVC INSULATED PVC SHEATHED SURFACE WIRING CABLE TYPE 6181Y

Part No	Size (mm)	Core	Reel Size
KB6181Y1.0100******	1	1	100 mtr
KB6181Y1.5100******	1.5	1	100 mtr
KB6181Y2.5100******	2.5	1	100 mtr
KB6181Y4.050******	4	1	50 mtr
KB6181Y6.050******	6	1	50 mtr
KB6181Y1050******	10	1	50 mtr
KB6181Y1650******	16	1	50 mtr
KB6181Y2550******	25	1	50 mtr

Insulated Sheathed Cable 6181Y colour selection chart (******)
GRYBRN = Grey/Brown, GRYBLU = Grey/Blue

Tri-Rated Switchgear and Control Panel Wire (0.5mm to 16mm)

Plain annealed stranded circular copper conductors, circular high temperature PVC outer sheath.
UL and CSA approved also to BS6231.

- 600/1000V grade
- Temperature limits: −30°C to +105°C
- Standard colours available: 0.5mm & 2.5mm − Brown, Black, Grey, Blue, Green/Yellow, Red, Yellow, White, Orange, Violet, Pink. 4mm−16mm − Brown, Black, Grey, Blue, Green/Yellow, Red, Yellow
- Should not be installed at temperatures below 0°C

■ TRI-RATED SWITCHGEAR AND CONTROL PANEL WIRE − 100 METRE REEL, SINGLE CORE

Part No	Size (mm)
KBBS62310.5100***	0.5
KBBS62310.75100***	0.75
KBBS62311.0100***	1
KBBS62311.5100***	1.5
KBBS62312.5100***	2.5
KBBS62314.0100***	4
KBBS62316.0100***	6
KBBS623110100***	10
KBBS623116100***	16

Tri-Rated Wire colour selection chart (***)
BLK = Black, RED = Red, GRY = Grey,
BLU = Blue, GRNYEL = Green/Yellow, BRN = Brown, YEL = Yellow, WHI = White, ORG = Orange
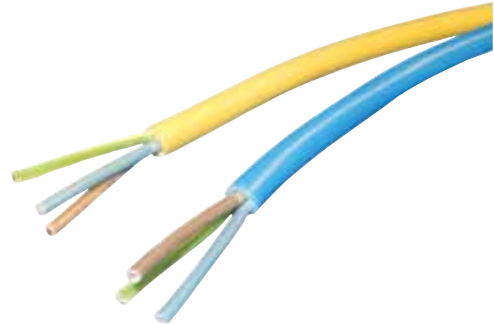
Arctic Grade Cable

Arctic grade PVC cords manufactured to BS 6004 are designed to withstand severe external temperatures and will remain flexible at temperatures down to −40°C.

- 300/500V rated voltage
- Temperature rating −40°C to +60°C
- Arctic Grade PVC insulation
- Class 5 flexible copper conductor to BS EN 60228

Part No.	Size (mm)	Core	Colour
KB3183AG1.5100YEL	1.5	3	Yellow
KB3183AG1.5100BLU	1.5	3	Blue
KB3183AG2.5100YEL	2.5	3	Yellow
KB3183AG2.5100BLU	2.5	3	Blue

PVC Insulated Braided Flexible Control Cable Type 'SY' (0.5mm to 16mm)

Fine wire strands of bare copper wire, PVC core insulation, Grey PVC inner sheath, Oxidation protected steel wire braid, Transparent PVC outer sheath.

- 300/500V rated voltage
- Temperature range: −5°C to +70°C
- Core Identification: **2-core:** Black cores with white numbers, **3-core and above:** Black cores with white number including a Green/Yellow earth core

■ **PVC INSULATED BRAIDED FLEXIBLE CONTROL CABLE TYPE 'SY' – CUT TO LENGTH**

Part No	Size (mm)	Core	Part No	Size (mm)	Core
KBSY2C0.75	0.75	2	KBSY5C0.75	0.75	5
KBSY2C1.0	1	2	KBSY5C1.0	1	5
KBSY2C1.5	1.5	2	KBSY5C1.5	1.5	5
KBSY2C2.5	2.5	2	KBSY5C2.5	2.5	5
KBSY2C4.0	4	2	KBSY5C4.0	4	5
KBSY2C6.0	6	2	KBSY5C6.0	6	5
KBSY2C10	10	2	KBSY5C10	10	5
KBSY2C16	16	2	KBSY5C16	16	5
KBSY3C0.75	0.75	3	KBSY7C0.75	0.75	7
KBSY3C1.0	1	3	KBSY7C1.0	1	7
KBSY3C1.5	1.5	3	KBSY7C1.5	1.5	7
KBSY3C2.5	2.5	3	KBSY7C2.5	2.5	7
KBSY3C4.0	4	3	KBSY7C4.0	4	7
KBSY3C6.0	6	3	KBSY7C6.0	6	7
KBSY3C10	10	3	KBSY7C10	10	7
KBSY3C16	16	3	KBSY7C16	16	7
KBSY4C0.75	0.75	4	KBSY12C0.75	0.75	12
KBSY4C1.0	1	4	KBSY12C1.0	1	12
KBSY4C1.5	1.5	4	KBSY12C1.5	1.5	12
KBSY4C2.5	2.5	4	KBSY12C2.5	2.5	12
KBSY4C4.0	4	4	KBSY12C4.0	4	12
KBSY4C6.0	6	4	KBSY12C6.0	6	12
KBSY4C10	10	4	KBSY12C10	10	12
KBSY4C16	16	4	KBSY12C16	16	12

PVC Insulated Copper Braided Flexible Control Cable Type 'CY' (0.75mm to 6mm)

Fine wire strands of bare copper wire, PVC core insulation, Tinned copper wire braid, Grey PVC outer sheath.

- 300/500V rated voltage
- Temperature range: Flexing −5°C to +70°C Static −40°C to +80°C
- Core Identification: **2-core:** Black cores with white numbers, **3-core and above:** Black cores with white number including a Green/Yellow earth core

■ **PVC INSULATED BRAIDED SCREENED FLEXIBLE POWER AND CONTROL CABLE – CUT TO LENGTH**

Part No	Size (mm)	Core	Part No	Size (mm)	Core
KBCY2C0.75	0.75	2	KBCY5C0.75	0.75	5
KBCY2C1.0	1	2	KBCY5C1.0	1	5
KBCY2C1.5	1.5	2	KBCY5C1.5	1.5	5
KBCY2C2.5	2.5	2	KBCY5C2.5	2.5	5
KBCY2C4.0	4	2	KBCY5C4.0	4	5
KBCY2C6.0	6	2	KBCY5C6.0	6	5
KBCY3C0.75	0.75	3	KBCY7C0.75	0.75	7
KBCY3C1.0	1	3	KBCY7C1.0	1	7
KBCY3C1.5	1.5	3	KBCY7C1.5	1.5	7
KBCY3C2.5	2.5	3	KBCY7C2.5	2.5	7
KBCY3C4.0	4	3	KBCY7C4.0	4	7
KBCY3C6.0	6	3	KBCY7C6.0	6	7
KBCY4C0.75	0.75	4	KBCY12C0.75	0.75	12
KBCY4C1.0	1	4	KBCY12C1.0	1	12
KBCY4C1.5	1.5	4	KBCY12C1.5	1.5	12
KBCY4C2.5	2.5	4	KBCY12C2.5	2.5	12
KBCY4C4.0	4	4	KBCY12C4.0	4	12
KBCY4C6.0	6	4	KBCY12C6.0	6	12

Please call for latest prices

PVC Insulated Flexible Control and Power Cable Type 'YY' (0.5mm to 6mm)

Fine wire strands of bare copper wire, PVC core insulation, Grey PVC outer sheath.

- 300/500 rated voltage
- Temperature range: −5°C to +70°C
- Core Identification: **2-core:** Black cores with white numbers, **3-core and above:** Black cores with white number including a Green/Yellow earth core

■ **PVC INSULATED FLEXIBLE POWER AND CONTROL CABLE TYPE 'YY' – CUT TO LENGTH**

Part No	Size (mm)	Core	Part No	Size (mm)	Core
KBYY2C0.75	0.75	2	KBYY5C0.75	0.75	5
KBYY2C1.0	1	2	KBYY5C1.0	1	5
KBYY2C1.5	1.5	2	KBYY5C1.5	1.5	5
KBYY2C2.5	2.5	2	KBYY5C2.5	2.5	5
KBYY2C4.0	4	2	KBYY5C4.0	4	5
KBYY2C6.0	6	2	KBYY5C6.0	6	5
KBYY2C10	10	2	KBYY5C10	10	5
KBYY2C16	16	2	KBYY5C16	16	5
KBYY3C0.75	0.75	3	KBYY7C0.75	0.75	7
KBYY3C1.0	1	3	KBYY7C1.0	1	7
KBYY3C1.5	1.5	3	KBYY7C1.5	1.5	7
KBYY3C2.5	2.5	3	KBYY7C2.5	2.5	7
KBYY3C4.0	4	3	KBYY7C4.0	4	7
KBYY3C6.0	6	3	KBYY7C6.0	6	7
KBYY3C10	10	3	KBYY7C10	10	7
KBYY3C16	16	3	KBYY7C16	16	7
KBYY4C0.75	0.75	4	KBYY12C0.75	0.75	12
KBYY4C1.0	1	4	KBYY12C1.0	1	12
KBYY4C1.5	1.5	4	KBYY12C1.5	1.5	12
KBYY4C2.5	2.5	4	KBYY12C2.5	2.5	12
KBYY4C4.0	4	4	KBYY12C4.0	4	12
KBYY4C6.0	6	4	KBYY12C6.0	6	12
KBYY4C10	10	4	KBYY12C10	10	12
KBYY4C16	16	4	KBYY12C16	16	12

XLPE Insulated Mains and Control Cable (1.5mm to 16mm) SWA

Stranded plain annealed copper conductors. XLPE insulated, PVC bedding, galvanised steel wire armour, PVC outer sheath.

- Black. 600/1000V grade to BS5467
- Flame propagation to BS4066 PT1 and IEC 332 PT1
- Temperature limits: −15°C to +90°C
- Core Identification: 2-core: Brown, Blue. 3-core: Brown, Black, Grey. 4-core: Brown, Black, Grey, Blue. 5-core and above – up to 6mm – White with Black numbers. 5-core and above – 10mm and 16mm – Brown, Black, Grey, Blue, Green/Yellow
- Should not be installed at temperatures below 0°C

■ **XLPE INSULATED MAINS AND CONTROL CABLE – CUT TO LENGTH**

Part No	Size (mm)	Core	Part No	Size (mm)	Core
KB6942XL1.5BLK	1.5	2	KB6943XL6.0BLK	6	3
KB6942XL2.5BLK	2.5	2	KB6943XL10BLK	10	3
KB6942XL4.0BLK	4	2	KB6943XL16BLK	16	3
KB6942XL6.0BLK	6	2	KB6944XL1.5BLK	1.5	4
KB6942XL10BLK	10	2	KB6944XL2.5BLK	2.5	4
KB6942XL16BLK	16	2	KB6944XL4.0BLK	4	4
KB6943XL1.5BLK	1.5	3	KB6944XL6.0BLK	6	4
KB6943XL2.5BLK	2.5	3	KB6944XL10BLK	10	4
KB6943XL4.0BLK	4	3	KB6944XL16BLK	16	4

ASK IF YOU CAN'T SEE IT!

We can't list everything - we have over 50,000 products ready for immediate despatch. Call us if you can't see what you want.

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Lines open 08.00-17.30

Cable Glands

- BW – Brass indoor cable gland for use with all types of SWA cable
- CW – Brass outdoor cable gland for use with all types of SWA cable

Part No	Description	Size (mm)	Pack Size	TRADE PRICE
SWABW20SPKALT	Cable Glands – Indoor	20S	2	£3.88
SWABW20PKALT	Cable Glands – Indoor	20	2	£5.56
SWABW25PKALT	Cable Glands – Indoor	25	2	£9.59
SWABW32PKALT	Cable Glands – Indoor	32	2	£12.57
SWACW20SPKALT	Cable Glands – Outdoor	20S	2	£11.01
SWACW20PKALT	Cable Glands – Outdoor	20	2	£14.01
SWACW25PKALT	Cable Glands – Outdoor	25	2	£17.38
SWACW32PKALT	Cable Glands – Outdoor	32	2	£19.20

Cable cutting service

Industrial cables cut to any length above a metre and up to a maximum of 500 metres in one run.

Standard cables only supplied in drum sizes.

CXT Cable Glands

- CMP CXT type brass indoor and outdoor cable gland for use with all types of screened flexible wire braid (e.g. CY/SY), or wire braid armour cable.

Part No	Size (mm)	Pack Size	TRADE PRICE
CMP-20SCXT	20S	2	£15.85
CMP-20CXT	20	2	£17.42
CMP-25CXT	25	2	£20.40

Centro IP68 Dometop Cable Gland

The Centro IP68 gland is designed for indoor, outdoor and general use.

Part No	Thread Size	Cable OD	Colour	TRADE PRICE
CTRO40488	M16	3.0 – 7.0mm	Black	£0.24
CTRO40494	M16	3.0 – 7.0mm	Grey	£0.24
CTRO40496	M20	6.0 – 12.0mm	Black	£0.24
CTRO40498	M20	6.0 – 12.0mm	White	£0.24
CTRO40502	M20	6.0 – 12.0mm	Grey	£0.24
CTRO40504	M20	10.0 – 14.0mm	Black	£0.36
CTRO40506	M20	10.0 – 14.0mm	White	£0.36
CTRO40510	M20	10.0 – 14.0mm	Grey	£0.36
CTRO40512	M25	13.0 – 18.0mm	Black	£0.59
CTRO40518	M25	13.0 – 18.0mm	Grey	£0.59
CTRO40520	M32	17.0 – 25.0mm	Black	£0.96
CTRO40632	PG11	5.0 – 10.0mm	Black	£0.52
CTRO40638	PG11	5.0 – 10.0mm	Grey	£0.52
CTRO40640	PG13.5	6.0 – 12.0mm	Black	£0.55
CTRO40646	PG13.5	6.0 – 12.0mm	Grey	£0.55
CTRO40648	PG16	8.0 – 14.0mm	Black	£0.65
CTRO40654	PG16	8.0 – 14.0mm	Grey	£0.65
CTRO40656	PG21	10.0 – 18.0mm	Black	£1.19
CTRO40662	PG21	10.0 – 18.0mm	Grey	£1.19

Centro Ceramic Terminal Blocks

Part No	Ways	Core Size	Amps	TRADE PRICE
CTRO41114	2	2.5mm	10	£2.31
CTRO41116	3	2.5mm	10	£2.64
CTRO41118	2	6.0mm	16	£2.97
CTRO41120	3	6.0mm	16	£3.19
CTRO41124	3	10.0mm	30	£3.51

Have you seen...

Gland Sizing Chart on page 140

Industrial Controls

Electrical Installation

Lighting

Industrial Controls

Electrical Installation

Lighting

Centro Cable Cleats

Clingstrap cable cleat with one hole for fixing.

Part No	Description	Cable OD	TRADE PRICE
CTRO41154	C4 Clingstrap Cable Cleat	7.7 – 10mm	£0.07
CTRO41156	C5 Clingstrap Cable Cleat	10.1 – 12.7mm	£0.05
CTRO41158	C6 Clingstrap Cable Cleat	12.6 – 15.2mm	£0.06
CTRO41160	C7 Clingstrap Cable Cleat	15.1 – 17.8mm	£0.07
CTRO41162	C8 Clingstrap Cable Cleat	17.7 – 20.3mm	£0.07
CTRO41164	C9 Clingstrap Cable Cleat	20.2 – 22.8mm	£0.08
CTRO41166	C10 Clingstrap Cable Cleat	22.7 – 25.4mm	£0.09
CTRO41168	C11 Clingstrap Cable Cleat	25.3 – 27.7mm	£0.13
CTRO41170	C12 Clingstrap Cable Cleat	27.6 – 30.5mm	£0.15

Centro Locknuts PVC

The Centro Locknut is designed for use with Centro range of IP68 Dometop Glands.

Part No	Thread Size	Colour	TRADE PRICE
CTRO40560	M16	Black	£0.06
CTRO40566	M16	Grey	£0.06
CTRO40568	M20	Black	£0.06
CTRO40570	M20	White	£0.06
CTRO40574	M20	Grey	£0.06
CTRO40576	M25	Black	£0.12
CTRO40582	M25	Grey	£0.12
CTRO40584	M32	Black	£0.26
CTRO40712	PG11	Black	£0.10
CTRO40718	PG11	Grey	£0.10
CTRO40720	PG13.5	Black	£0.10
CTRO40726	PG13.5	Grey	£0.10
CTRO40728	PG16	Black	£0.12
CTRO40734	PG16	Grey	£0.12
CTRO40736	PG21	Black	£0.15
CTRO40742	PG21	Grey	£0.15

Centro Polythene Connector Strips

The connector strips are manufactured from polythene and are sold individually in strips of 12.

- 5, 15 and 30 amp versions are available
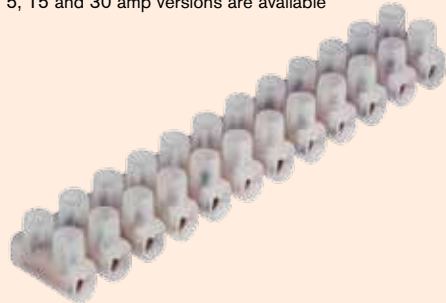
Part No	Amps	TRADE PRICE
CTRO41126	5	£0.97
CTRO41128	15	£1.71
CTRO41130	30	£2.44

Brass Cable Gland for use with Flexible Cables

Part No	Description	TRADE PRICE
CFTRS20BR	20mm Brass TRS Gland	£2.98
CFTRS25BR	25mm Brass TRS Gland	£5.51

Centro Grommets

Centro Grommets are manufactured from PVC and are available individually although box quantity is 100.

- Open and closed versions available

Part No	Description	Size	TRADE PRICE
CTRO41132	Open Grommet	20mm	£0.08
CTRO41134	Open Grommet	25mm	£0.17
CTRO41136	Open Grommet	32mm	£0.38
CTRO41142	Closed Grommet	20mm	£0.12
CTRO41144	Closed Grommet	25mm	£0.22
CTRO41146	Closed Grommet	32mm	£0.50

Centro Round Cable Clips

Round cable clips for use with standard flexible cables.

- Sold in boxes of 100

Part No	Colour	Size	OUR PRICE
CTRO41034	White	3.5mm	£2.42
CTRO41036	Black	3.5mm	£2.42
CTRO41038	White	4.0mm	£2.64
CTRO41040	Black	4.0mm	£2.64
CTRO41042	White	5.0mm	£2.64
CTRO41044	Black	5.0mm	£2.64
CTRO41046	White	6.0mm	£2.75
CTRO41048	Black	6.0mm	£2.75
CTRO41050	White	7.0mm	£2.97
CTRO41052	Black	7.0mm	£2.97
CTRO41054	White	8.0mm	£3.15
CTRO41056	Black	8.0mm	£3.15

Centro Flat Cable Clips

Flat cable clips for use with twin and earth cables 6242Ys.

- Sold in boxes of 100

Part No	Colour	Size	TRADE PRICE
CTRO41060	Grey	1.0mm	£2.31
CTRO41062	White	1.0mm	£2.31
CTRO41064	Grey	1.5mm	£2.64
CTRO41066	White	1.5mm	£2.64
CTRO41068	Grey	2.5mm	£2.86
CTRO41070	White	2.5mm	£2.86

Industrial Controls

Electrical Installation

Lighting

Part Number Guide:

CFBENDINSP20BE

Product Detail   Size

Material (BE = Black Enamel / GV = Galvanised)

Conduit

- BS 4568/BS EN 50086 Part 1
- Class 4 finish
- Inside and outside

> **Hot dipped Galvanised & Black Enamel**

■ CONDUIT – 3.75 METRE LENGTHS

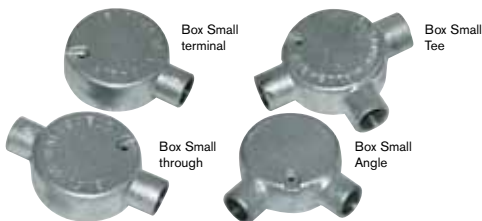| Part No	Material	Size
CO20XX	Galvanised / Black Enamel	20mm
CO25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Conduit Bends

Conduit fitting bend.

■ INSPECTION BEND

Part No	Material	Size
CFBENDINSP20XX	Galvanised / Black Enamel	20mm
CFBENDINSP25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ SOLID BEND

Part No	Material	Size
CFBENDSOL20XX	Galvanised / Black Enamel	20mm
CFBENDSOL25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Conduit Elbows

Conduit fitting elbows.

■ INSPECTION ELBOW

Part No	Material	Size
CFELBOWINSP20XX	Galvanised / Black Enamel	20mm
CFELBOWINSP25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ SOLID ELBOW

Part No	Material	Size
CFELBOWSOL20XX	Galvanised / Black Enamel	20mm
CFELBOWSOL25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Conduit Couplers

Conduit fitting coupling.

■ SOLID COUPLER

Part No	Material	Size
CFCOUPSOL20XX	Galvanised / Black Enamel	20mm
CFCOUPSOL25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ INSPECTION COUPLER

Part No	Material	Size
CFCOUPINSP20XX	Galvanised / Black Enamel	20mm
CFCOUPINSP25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ FLANGED COUPLER & N/WASHER

Part No	Material	Size
CFCOUPFLAN20XX	Galvanised / Black Enamel	20mm
CFCOUPFLAN25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Conduit Reducer

Conduit fitting reducer
25mm to 20mm.

Part No	Material	Size
CFRED2520XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Conduit Lock Nut

Conduit fitting lock nut.
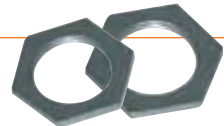
■ LIGHT LOCKNUT

Part No	Material	Size
CFLNUTLT20XX	Galvanised / Black Enamel	20mm
CFLNUTLT25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ HEAVY LOCKNUT

Part No	Material	Size
CFLNUTHVY20XX	Galvanised / Black Enamel	20mm
CFLNUTHVY25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Conduit Tee

Conduit fitting tee.

■ SOLID TEE

Part No	Material	Size
CFTEESOL20XX	Galvanised / Black Enamel	20mm
CFTEESOL25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ INSPECTION TEE

Part No	Material	Size
CFTEEINSP20XX	Galvanised / Black Enamel	20mm
CFTEEINSP25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Boxes Circular Small

- Material: Malleable iron
- 60.3mm internal diameter
- 20mm boxes – minimum 25mm deep
- 25mm boxes – minimum 28mm deep
- Tapped M4 at 50.8mm centres
- With tapped hole in base for earthing screw
- Supplied without covers or fixing screws unless ordered

Available in Black or Galvanised finished

Box Small terminal

Box Small Tee

Box Small through

Box Small Angle

Part No	Description	Material	Ways	Size
CFBOXS120XX	Box Small terminal	Galvanised / Black Enamel	1	20mm
CFBOXS220XX	Box Small Through	Galvanised / Black Enamel	2	20mm
CFBOXS320XX	Box Small Tee	Galvanised / Black Enamel	3	20mm
CFBOXS420XX	Box Small Cross	Galvanised / Black Enamel	4	20mm
CFBOXSANG20XX	Box Small Angle	Galvanised / Black Enamel	2	20mm
CFBOXSU20XX	Box Small U Branch	Galvanised / Black Enamel	2	20mm
CFBOXSY20XX	Box Small Y Branch	Galvanised / Black Enamel	3	20mm
CFBOXS125XX	Box Small terminal	Galvanised / Black Enamel	1	25mm
CFBOXS225XX	Box Small Through	Galvanised / Black Enamel	2	25mm
CFBOXS325XX	Box Small Tee	Galvanised / Black Enamel	3	25mm
CFBOXS425XX	Box Small Cross	Galvanised / Black Enamel	4	25mm
CFBOXSANG25XX	Box Small Angle	Galvanised / Black Enamel	2	25mm
CFBOXSU25XX	Box Small U Branch	Galvanised / Black Enamel	2	25mm
CFBOXSY25XX	Box Small Y Branch	Galvanised / Black Enamel	3	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ COND LID SMALL ROUND

Part No	Material	Size
CFCOVERSLXX	Galvanised / Black Enamel	–
CFGASKET20	Neoprene Rubber	–

XX Insert GV for Galvanised or BE for Black Enamel

■ COND DOME PLATE ROUND

Part No	Material	Size
CFCOVERDOM20XX	Galvanised / Black Enamel	20mm
CFCOVERDOM25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Conduit Nipple

Conduit fitting nipple.

Part No	Material	Size
CFNIPPLE20SC	Self-coloured	20mm
CFNIPPLE25SC	Self-coloured	25mm

Chain and Fixing Pins

Part No	Material
CFJC10G	No.10 Jack Chain 10m hank
CFPINM4X12BR	M4x12mm Brass Pins (pack of 100)

Have you seen...

Our range of cable trays and accessories on pages 103-105

Conduit Saddles

Conduit fitting saddles.

Saddle Spacer Bar

Saddle Plain

Saddle Distance

■ SADDLE PLAIN

Part No	Material	Size
CFSADPLN20XX	Galvanised / Black Enamel	20mm
CFSADPLN25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ SADDLE SPACER BAR

Part No	Material	Size
CFSADSBAR20XX	Galvanised / Black Enamel	20mm
CFSADSBAR25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ SADDLE DISTANCE

Part No	Material	Size
CFSADDIST20XX	Galvanised / Black Enamel	20mm
CFSADDIST25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

Industrial Controls

Electrical Installation

Lighting

Conduit Bush

Conduit fitting bush.
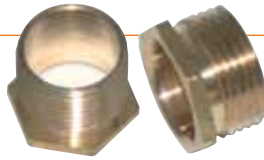
■ MALE

Part No	Type	Material	Size
CFBUSHM20BR	Short	Brass	20mm
CFBUSHML20BR	Long	Brass	20mm
CFBUSHM25BR	Short	Brass	25mm
CFBUSHML25BR	Long	Brass	25mm

■ FEMALE

Part No	Material	Size
CFBUSHF20BR	Brass	20mm
CFBUSHF25BR	Brass	25mm

Conduit Plug

Conduit fitting plug.

■ HEXAGON PLUG

Part No	Material	Size
CFPLUGHEX20XX	Galvanised / Black Enamel	20mm
CFPLUGHEX25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

■ SLOTTED STOPPING PLUG

Part No	Material	Size
CFPLUGSOLT20BRA	Brass	20mm
CFPLUGSOLT25BRA	Brass	25mm

Part Number Guide:

CFBENDINSP20BE

Product Detail   Size

Material (BE = Black Enamel / GV = Galvanised)

Conduit Hook

Conduit fitting hook.

■ CONDUIT HOOK MALE

Part No	Material	Size
CFHOOKM20XX	Galvanised / Black Enamel	20mm
CFHOOKM25XX	Galvanised / Black Enamel	25mm

XX Insert GV for Galvanised or BE for Black Enamel

ASK IF YOU CAN'T SEE IT!

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Lines open 08.00-17.30

Adaptable Boxes with Knockouts and Plain Sides

Adaptable boxes are manufactured from steel. Finished in hot dip galvanised steel.

■ ADAPTABLE BOXES WITH KNOCKOUTS, LID AND SCREWS

Part No	Sides	Size Metric	Size Imperial	Material
ZZBOXADPT757537.5GVKO	Knock Out	75 x 75 x 37.5mm	3 x 3 x 1.1/2	Galvanised
ZZBOXADPT757550GVKO	Knock Out	75 x 75 x 50mm	3 x 3 x 2	Galvanised
ZZBOXADPT10010037.5GVKO	Knock Out	100 x 100 x 37.5mm	4 x 4 x 1.1/2	Galvanised
ZZBOXADPT10010050GVKO	Knock Out	100 x 100 x 50mm	4 x 4 x 2	Galvanised
ZZBOXADPT15015050GVKO	Knock Out	150 x 150 x 50mm	6 x 6 x 2	Galvanised
ZZBOXADPT15015075GVKO	Knock Out	150 x 150 x 75mm	6 x 6 x 3	Galvanised
ZZBOXADPT757537.5GVPLN	Plain	75 x 75 x 37.5mm	3 x 3 x 1.1/2	Galvanised
ZZBOXADPT757550GVPLN	Plain	75 x 75 x 50mm	3 x 3 x 2	Galvanised
ZZBOXADPT10010037.5GVPLN	Plain	100 x 100 x 37.5mm	4 x 4 x 1-1/2	Galvanised
ZZBOXADPT10010050GVPLN	Plain	100 x 100 x 50mm	4 x 4 x 2	Galvanised
ZZBOXADPT15015050GVPLN	Plain	150 x 150 x 50mm	6 x 6 x 2	Galvanised
ZZBOXADPT15015075GVPLN	Plain	150 x 150 x 75mm	6 x 6 x 3	Galvanised

Centro Conduit Plastic

Heavy Duty PVC round conduit complies with BS4607 and BS6099.

Part No	Description	Colour	Size	TRADE PRICE
CTRO44344	Conduit 3m length	White	20mm	£2.20
CTRO44346	Conduit 3m length	White	25mm	£3.08

Centro Box Covers

PVC conduit box covers for use with plastic conduit.
- Complies with BS4607

Part No	Description	Colour	Size	TRADE PRICE
CTRO44312	Lid Small Round	White	20mm	£0.66

Centro Conduit Elbows

Conduit fitting elbows.
- PVC conduit elbow for use with plastic conduit
- Complies with BS4607

Part No	Description	Colour	Size	TRADE PRICE
CTRO44314	Inspection Elbow	White	20mm	£2.51
CTRO44316	Inspection Elbow	White	25mm	£3.30

Centro Conduit Reducer

Conduit fitting reducer.
- PVC conduit elbow for use with plastic conduit
- Complies with BS4607

Part No	Description	Colour	Size	TRADE PRICE
CTRO44322	Reducer	White	25 to 20mm	£1.19

CENTRO
INDUSTRIAL ESSENTIALS

Box Small Terminal Box Small Through Box Small Tee Box Small Angle

Centro Boxes Circular Small

PVC conduit boxes for use with plastic conduit.
- Complies with BS4607

Part No	Description	Colour	Ways	Size	TRADE PRICE
CTRO44284	Box Small Terminal	White	1	20mm	£2.24
CTRO44288	Box Small Through	White	2	20mm	£2.64
CTRO44292	Box Small Tee	White	3	20mm	£2.90
CTRO44296	Box Small Cross	White	4	20mm	£3.04
CTRO44300	Box Small Angle	White	2	20mm	£2.64
CTRO44286	Box Small Terminal	White	1	25mm	£3.17
CTRO44290	Box Small Through	White	2	25mm	£3.30
CTRO44294	Box Small Tee	White	3	25mm	£3.43
CTRO44298	Box Small Cross	White	4	25mm	£3.70
CTRO44302	Box Small Angle	White	2	25mm	£3.30

Centro Conduit Couplers

Conduit fitting coupling.
- PVC conduit coupler for use with plastic conduit
- Complies with BS4607

Part No	Description	Colour	Size	TRADE PRICE
CTRO44308	Solid Coupler	White	20mm	£0.79
CTRO44310	Solid Coupler	White	25mm	£0.99

Centro Conduit Tee

Conduit fitting tee.
- Complies with BS4607
- PVC conduit tee for use with plastic conduit

Part No	Description	Colour	Size	TRADE PRICE
CTRO44336	Inspection Tee	White	20mm	£1.98
CTRO44338	Inspection Tee	White	25mm	£2.77

Industrial Controls

Electrical Installation

Lighting

Saddle Spacer Bar   Plain Saddle

CENTRO
INDUSTRIAL ESSENTIALS

Centro Conduit Saddles

Conduit fitting saddles.
- PVC conduit saddle for use with plastic conduit
- Complies with BS4607

Part No	Description	Colour	Size	TRADE PRICE
CTRO44328	Plain Saddle	White	20mm	£0.66
CTRO44330	Plain Saddle	White	25mm	£0.83
CTRO44332	Saddle Spacer Bar	White	20mm	£0.79
CTRO44334	Saddle Spacer Bar	White	25mm	£0.99

Centro Conduit Bending Springs

Part No	Description	Size	TRADE PRICE
CTRO44350	Bending Spring	20mm	£7.14
CTRO44352	Bending Spring	25mm	£7.92

Centro Conduit Adhesive

Adhesive for use with PVC conduit fittings.

Part No	Description	Size	TRADE PRICE
CTRO44348	Adhesive	250ml	£7.43

PVC Adaptors for use with Plastic Conduit

Part No	Description	Colour	Size	TRADE PRICE
CTRO44610	Female Adaptor	White	20mm	£0.81
CTRO44612	Male Adaptor	White	20mm	£0.81
CTRO44614	Female Adaptor	White	25mm	£1.64
CTRO44616	Male Adaptor	White	25mm	£1.64
CFPINM4X12BR	M4x12mm Brass Pins (pack of 100)			£17.69

All white PVC producs also available in black PVC.

Female Adaptor   Male Adaptor

Brass Pins

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Stainless steel available on request.
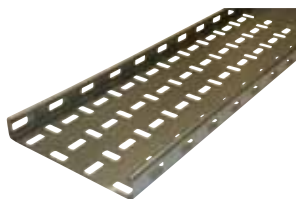
Medium Duty Cable Tray

Part No	Size
SWGBMR75TR	75mm
SWGBMR100TR	100mm
SWGBMR150TR	150mm
SWGBMR225TR	225mm
SWGBMR300TR	300mm

Flat Bend

Part No	Size
SWGBMR75FB	75mm
SWGBMR100FB	100mm
SWGBMR150FB	150mm
SWGBMR225FB	225mm
SWGBMR300FB	300mm

Internal Riser

Part No	Size
SWGBMR75IR	75mm
SWGBMR100IR	100mm
SWGBMR150IR	150mm
SWGBMR225IR	225mm
SWGBMR300IR	300mm

External Riser

Part No	Size
SWGBMR75OR	75mm
SWGBMR100OR	100mm
SWGBMR150OR	150mm
SWGBMR225OR	225mm
SWGBMR300OR	300mm
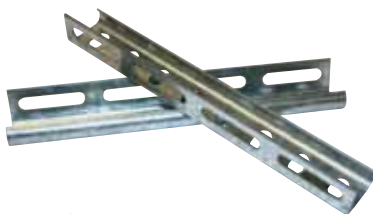
Tray Couplers for use with Medium Duty Tray

Part No	Description
SWGBBC	Standard Bar Coupler (pair)
SWGBWC	Wrap-around Coupler (pair)

Stand-Off Brackets

Part No	Description
SWSTB75G	75mm Galvanised Stand Off Bracket
SWSTB100G	100mm Galvanised Stand Off Bracket
SWSTB150G	150mm Galvanised Stand Off Bracket
SWSTB225G	225mm Galvanised Stand Off Bracket
SWSTB300G	300mm Galvanised Stand Off Bracket

Equal Tee

Part No	Size
SWGBMR75ET	75mm
SWGBMR100ET	100mm
SWGBMR150ET	150mm
SWGBMR225ET	225mm
SWGBMR300ET	300mm

Cross Over

Part No	Size
SWGBMR75EX	75mm
SWGBMR100EX	100mm
SWGBMR150EX	150mm
SWGBMR225EX	225mm
SWGBMR300EX	300mm

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

Framing and Support Systems

SWCF1

SWCF2

SWCF9

SWCF3

SWCF10

SWCF4

SWCF10/1

SWCF5

SWCF6

SWCF11

SWCF7

SWCF1290

SWCF8

SWCF13

SWCF14

SWCF15

SWCF16

SWCF17

SWCF18

SWCF19

SWCF20

SWCF21

SWCF22

SWCF23

SWCF24

SWCF25

SWCF26

SWCF27

SWCF28

SWCF29

SWCF34

SWCF35

SWCF36

SWCF37

SWCF38/1
SWCF38/2

SWCF39
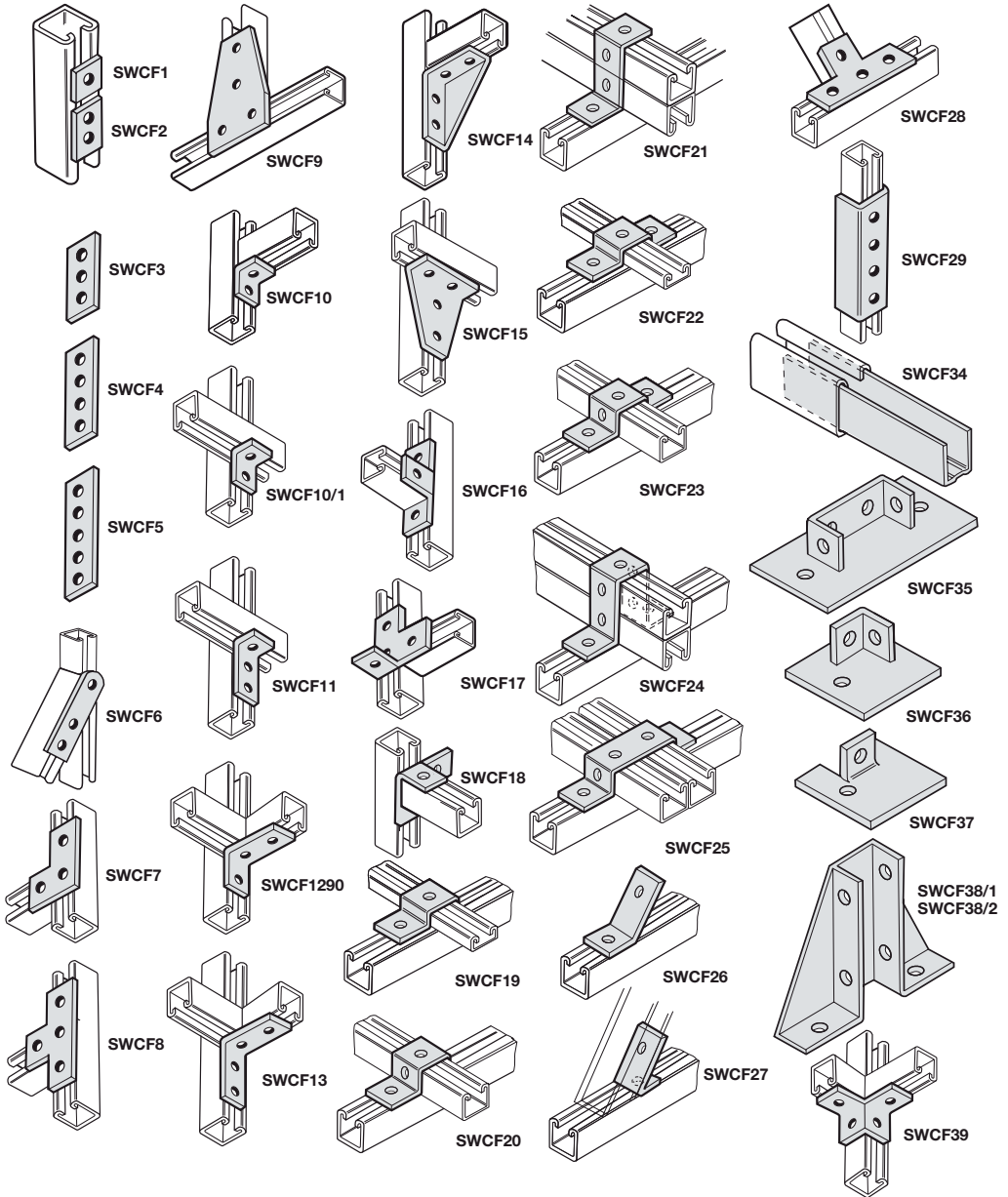
AVAILABLE IN HOT DIP GALVANISED OR STAINLESS STEEL

Framing and Support Systems

SWCF40

SWCF47

**SWPL1 PVC
SWGL1 Galv**

SWCF41

SWCF42

**SWCA1
Available in 150, 300,
450, 600, 750mm**

SWCF43

SWCF44

**SWCA2
Available in 150, 300,
450, 600, 750mm**

SWCF45

**SWCA3
Available in 150, 300,
450, 600, 750mm**

SWCF46

SWPVC2

SWPVC1

Long Spring Channel Nuts

M6	SWZL06
M8	SWZL08
M10	SWZL10
M12	SWZL12

Short Spring Channel Nuts

M6	SWZS06
M8	SWZS08
M10	SWZS10
M12	SWZS12

Plain Channel Nuts

M6	SWZN06
M8	SWZN08
M10	SWZN10
M12	SWZN12

**SWM10x40CS
Cone Pointed
Set Screws**

SWMx**RNB
Roofing Nuts
and Bolts**

SWMx**HHS
Hex Head
Set Screws**

SWMHHN Hex Nut
SWM**RFW Flat Washer
SWM**RLW Spring Washer**

SWMSCR Rod Connector
SWM**X3SR Treaded Rod (3M)**

SWCCC1 41x21x2.5
Available in both Plain and Slotted

SWCCC2   41x21x2.5 Double

SWCCC3 41x41x2.5
Available in both Plain and Slotted

SWCCC4 41x41x2.5 Double
Available finishes
Pre Galvanised to BS 2989
HDG TO BS 729
Stainless Steel 316

AVAILABLE IN HOT DIP GALVANISED OR STAINLESS STEEL

Industrial Controls

Electrical Installation

Lighting

Industrial Controls

Electrical Installation

Lighting

VI13800 Voltage Indicator

Before doing any electrical work, it is essential to check that the circuit is dead. This BS EN61243-3:2010 compliant voltage indicator provides clear indication of AC and DC voltages from 50V- 600V with polarity indication from 12V.

- Industry standard voltage indicator
- BS EN61243-3:2010 compliant
- Heavy duty double insulated leads
- Bright LED indication
- Safe & simple no ranges switches or batteries

Part No	Description	TRADE PRICE
MTDAMARVI13800	Voltage Indicator	£55.00

VIPD138 Voltage Indicator and Proving Device

Safe electrical work requires the use of a voltage indicator that has been proved before and after use. The VIPD138 contains the VI13800 voltage indicator and the PD440 proving unit for compliance with health and safety recommendations for safe working. Includes test and go carry case.

The VI13800 fully complies with BS EN61243-3:2010

Part No	Description	TRADE PRICE
MTDAMARVIPD138	Voltage Indicator & Proving Device	£159.00

VT7 Contact Voltage Indicator

The VT7 is a single pole contact voltage indicator which detects AC voltages of 50V-600V with bright LED indication. This ergonomically designed voltage tester has a self-test function and is IP54 rated, for indoor and outdoor use. The tester is of durable construction making it suitable for both industrial and domestic applications.

Part No	Description	TRADE PRICE
MTDAMARVT7	Contact Voltage Indicator	£25.00

MARTINDALE ELECTRIC

PD440 Proving Device

Using a voltage indicator without first proving it, can be fatal. The Martindale PD440 is a 440V AC proving unit, designed to enable voltage indicators to be fully checked in compliance with Health and Safety recommendations. The PD440 is compatible with the Martindale voltage indicators, Drummond Lamps and many other indicators.

Part No	Description	TRADE PRICE
MTDAMARPD440	Proving Device	£89.00

LOKKIT1 Safe Isolation Kit

The LOKKIT1 is a comprehensive lock out kit to be used as part of a safe isolation procedure with the set of locking devices being compatible with all distribution boards.

Comprising of 7 different locking devices for simple fitting to MCBs and RCBOs including a plastic body padlock with a 6mm hardened steel shackle and a steel safety hasp which allows multiple padlocks to be used. The kit is completed with 5 warning tags, a marker pen and a durable case with space for storing additional accessories.

Part No	Description	TRADE PRICE
MTDAMARLOKKIT1	Safe Isolation Kit	£74.00

VIPDLOK138

The complete solution for safe isolation, the Martindale VIPDLOK138 contains the VI13800 voltage indicator, PD440 proving device, complete lock out kit (LOKKIT1) and is supplied with soft carry cases.

Part No	Description	TRADE PRICE
MTDAMARVIPDLOK138	Voltage Indicator (unfused), Proving Device & Lock	£225.00

VT25/VT28 Voltage Indicators

The Martindale VT25 is a compact voltage tester which measures continuity, phase rotation and voltages between 12V to 690V. This compact tester complies with the latest version of BS EN61243-3 2010 and is supplied with removable probe caps for GS38 compliance.

The VT28 shares the same useful functions as the VT25 but has the additional benefit of an LCD display.

- 12 – 690V AC/DC
- Single pole phase test 90-690V
- Phase rotation test 100-690V
- Continuity - optical and acoustic indication
- White LED torch light

Part No	Description	TRADE PRICE
MTDAMARVT25	LED Voltage Indicator	£52.00
MTDAMARVT28	LCD Voltage Indicator	£82.00

PD690 Proving Unit

A 700V AC proving device designed to enable voltage indicators to be fully checked, in compliance with Health & Safety recommendations. The PD690 is compatible with the range of Martindale voltage indicators, Drummond test lamps, multimeters with 700V measurement capability and most two pole voltage indicators.

Part No	Description	TRADE PRICE
MTDAMARPD690	Proving Device	£99.00

PSI4000 Phase Sequence Indicator

The Martindale PSI4000 is a unique non-contact phase rotation indicator that carries out the measurement via inductive crocodile clips. The increased safety design of this tester allows for use on both insulated and non-insulated conductors.

Part No	Description	TRADE PRICE
MTDAMARPSI4000	Phase Sequence Indicator	£215.00

VT2/VT3 Non-Contact Voltage & Magnetic Field Indicators

The VT2 is a non-contact voltage tester for accurately detecting the presence of AC voltages between 200V to 1000V.

The VT3 has the same voltage detection capabilities as the VT2 but will also show the presence of a magnetic field by illuminating a green light in the tip section.

- Indication Range: 200V – 1000V AC
- Voltage Sensitivity: Indicates approx. 4mm from a conductor at 240V AC
- Over Voltage: CAT III 1000V
- Dimensions: 170mm length, approx. 19mm diameter
- Magnetic Sensitivity (VT3 only): >10mT

Part No	Description	TRADE PRICE
MTDAMARVT2	Non-Contact Voltage Indicator	£19.00
MTDAMARVT3	Non-Contact Voltage & Magnetic Field Indicator	£29.00

VT12 Voltage Indicator

The Martindale VT12 is a Voltage Indicator and Continuity tester with automatic AC/DC detection between 12V – 690V.

The bright LED indicators provide immediate display of the voltage range and the VT12 is supplied with removable probe caps for GS38 compliance.

- 12 – 690V AC/DC
- Continuity - optical and acoustic indication
- Complies with BS EN61243-3: 2010
- Rated to CAT IV 600V

Part No	Description	TRADE PRICE
MTDAMARVT12	Voltage Indicator	£37.00

IN2102 Insulation & Continuity Tester

The IN2102 features a large, clear, backlit LCD display for testing in poorly lit locations and both digital and analogue displays. The tester has a large rotary switch and easily accessible buttons for test function selection.

- 250V, 500V and 1000V Insulation Test
- Analogue Arc
- 5000MΩ Range
- Pass / Fail Indicator

Part No	Description	TRADE PRICE
MTDAMARIN2102	Insulation Tester	£329.00

Industrial Controls

Electrical Installation

Lighting

Industrial Controls

Electrical Installation

Lighting

CM57 True RMS AC Clamp Meter

The CM57 is a new pocket sized high performance AC Clamp meter with backlit display

- Pocket sized, tough and easy to use
- Auto ranging 60.00A to 600.0A AC
- AC/DC Voltage, Resistance, Continuity and Diode Test
- Capacitance and Frequency measurement
- True RMS for reliable results
- Two year warranty, and carry case included

Part No	Description	TRADE PRICE
MTDAMARCM57	RMS AC Clamp Meter	£105.00

MARTINDALE ELECTRIC

CM79 True RMS AC/DC Clamp Meter

The CM79 is a new pocket sized high performance AC/DC Clamp meter with backlit display. Features include an elliptical jaw design for bus bars up to 35 x15mm and resolution down to 10mA.

- Pocket sized, tough & easy to use
- Auto ranging 60.00A to 600.0A AC and DC
- AC/DC Voltage, Resistance and Continuity Test
- Min/Max readings for monitoring peak loads
- True RMS for reliable results every time
- Two year warranty and carry case included

Part No	Description	TRADE PRICE
MTDAMARCM79	RMS AC/DC Clamp Meter	£145.00

ET4 and ET5 Electrical Testers

The ET4 is a compact tester that measures voltage, resistance and AC and DC Current. It will also measure frequency, continuity and will take simultaneous measurement of current/ voltage and frequency/ voltage. This electrical tester can be used as a non-contact voltage indicator and has auto ranging, display hold and auto power off functions. The ET4 is supplied with TL17 test leads, a soft carry case, 9V battery and manual.

The ET5 also benefits from the additional features of capacitance, temperature and duty cycle. A K-type thermocouple is included which allows temperature measurements of -35C to 500C.

Part No	Description	TRADE PRICE
MTDAMARET4	Electrical Tester	£129.00
MTDAMARET5	Electrical Tester	£145.00

FD550 Elite Fuse Finder

The Elite Fuse Finder makes identifying poorly labelled fuses and breakers easy saving the need to power down each circuit to identify the one you need to work on.

- Simple tracing of fuses and breakers
- Visual and audible indication
- Fast manual mode
- Self-adjusting auto mode
- Mains powered plug-in transmitter
- Dual function receiver and non-contact voltage indicator
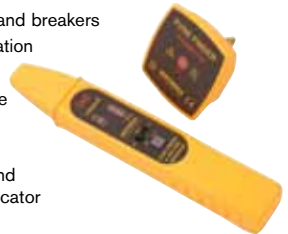
Part No	Description	TRADE PRICE
MTDAMARFD550	Elite Fuse Finder	£84.00

Multimeters

Part No	Description	TRADE PRICE
MTDAMARMM64	Multimeter	£74.00
MTDAMARMM65	Multimeter	£83.00
MTDAMARMM68	Multimeter	£119.00

	DCV	ACV	Ω	ACA	DCA	Frequency	Capacitance	True RMS
MM64	0.1mV-600V	0.1mV-600V	0.1Ω-20MΩ	0.1μ- 200mA	0.1μ-200mA	✓	✓	✗
MM65	0.1mV-600V	1mV-600V	0.1Ω-34MΩ	0.1μA-10A	0.1μ-10mA	✗	✗	✗
MM68	0.01mV-1000V	0.01mV-750V	0.01Ω-220MΩ	0.01A-10A	0.1-10mA	✓	✓	✓

PC104/PC105 3-Phase Industrial Check Plug

A range of 6 different 3-phase socket testers available in 4 pin and 5 pin configuration and a choice of 16A, 32A and 63A plugs.

- Phase sequence indication
- Wiring condition checks
- Complies with BS EN 61010-1
- Bright LED indication

Part No	Description	TRADE PRICE
MTDAMARPC104/16	3 Phase Industrial Check Plug 16A	£78.00
MTDAMARPC104/32	3 Phase Industrial Check Plug 32A	£83.00
MTDAMARPC104/63	3 Phase Industrial Check Plug 63A	£137.00
MTDAMARPC105/16	3 Phase Industrial Check Plug 16A	£83.00
MTDAMARPC105/32	3 Phase Industrial Check Plug 32A	£88.00
MTDAMARPC105/63	3 Phase Industrial Check Plug 63A	£143.00

CD1000 Cable Fault Locator/Tracer

- For all applications (live or dead cables) without additional instruments
- Proven digitally coded sender signal guarantees clear signal identification
- Transmitter with LCD display for transmitting level, transmitting code
- Receiver with a backlit LCD display for level of receiving signal, code of receiving signal and live voltage indication
- Automatic or manual adjustment of receiving signal sensitivity
- Auto power off
- Torch lamp for working in dark environments
- Additional transmitters can be used for multiple users
- Includes test leads, croc attachments and earthing rod

Part No	Description	TRADE PRICE
MTDAMARCD1000	Cable Fault Locator/Tracer	£399.00

MARTINDALE ELECTRIC

HPAT500 & HPAT600 Hand Held PAT Testers

The HPAT600 adds 250V insulation test, user adjustable pass limits, backlight and in-car charger to the HPAT500.

- Low cost PAT tester
- Class I, Class II, lead test
- 200mA earth bond - IT safe
- 500V insulation test
- Pass/fail indications
- Rechargeable batteries
- Simple one button auto test

Part No	Description	TRADE PRICE
MTDAMARHPAT500	Hand Held PAT Tester	£449.00
MTDAMARHPAT600	Hand Held PAT Tester	£559.00

LOK6 Universal Fuse Carrier Lock Off

The LOK6 is a universal locking off device for fuse carriers to restrict finger access to live contacts and prevent the reinsertion of a fuse whilst maintenance is in progress.

- Suitable for Red Spot and similar fuse holders
- Adjustable from 20A to 100A
- No metal parts for safety
- No tools required
- PAD20R insulated padlock available separately

Part No	Description	TRADE PRICE
MTDAMARLOK6	Universal Fuse Carrier Lock Off	£14.10

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LIGHTING

Product Innov

Get rapid payback across a wide range of applications

with our newly extended series of competitively priced and efficient LED Tubes.

Designed for simple retrofit, these high performance LED T8 tubes provide an attractive, affordable and energy efficient upgrade path from traditional Linear Fluorescent Lamps in applications such as offices, retail, industrial, hospitality and more. And with five different ranges to choose from, there's a plug-and-play GE LED T8 Tube for every application.

Energy Savings

- Low power consumption
- Energy savings of up to 60% or more
- High energy efficiency up to 136lm/W

Long lasting

- 2,5-3x longer life vs. fluorescents on electro-magnetic gear
- Up to 50,000 hours L70 rated lifetime or reduced maintenance costs
- Excellent lumen maintenance

High Quality Light

- Instant on, no flicker
- Excellent colour rendering CRI 80+
- Light output up to 3600lm

Wide range

- 600, 1200, 1500 and 1800mm tubes
- Plastic and glass design options
- Wide selection of tubes for electronic and magnetic ballasts

Easy retrofit

- Plug-and-play products, safe installation
- Fit directly into standard T8 LFL G13 sockets
- Rotatable base to adjust lamp into perfect position

Environmentally friendly solutions

- Extremely energy efficient
- Reduced carbon footprint
- No harmful lead or mercury
- Fully compliant with material restriction requirements of RoHS

GE LED Plastic T8 HF

- ECG (electronic) ballast compatibility (25K - 85KHz)
- Up to 136lm/W
- Ambient temperature ratings: -20℃ …+40℃

50,000h | G13 | Non-dimmable | 150° | 50-110V | A⁺

Product code	Product description	Watts (W)	Lumens (lm)	Colour temp (K)	Length (mm)
93041502	LED 9/T8 PHF 2ft/830	9	1100	3000	600
93041503	LED 9/T8 PHF 2ft/840	9	1200	4000	600
93041504	LED 9/T8 PHF 2ft/865	9	1200	6500	600
93041505	LED 18/T8 PHF 4ft/830	18	2100	3000	1200
93041836	LED 18/T8 PHF 4ft/840	18	2300	4000	1200
93041837	LED 18/T8 PHF 4ft/865	18	2300	6500	1200
93041838	LED 25/T8 PHF 5ft/830	25	3150	3000	1500
93041839	LED 25/T8 PHF 5ft/840	25	3150	4000	1500
93041840	LED 25/T8 PHF 5ft/865	25	3400	6500	1500

GE LED T8 Premium Rotatable

- CCG (magnetic) ballast compatibility or direct connection to mains (50-60Hz)
- Up to 122lm/W
- Ambient Temperature ratings: -30℃ ...+40℃

50,000h | G13 ROT | Non-dimmable | 150° | 100-240V | A⁺

Product code	Product description	Watts (W)	Lumens (lm)	Colour temp (K)	Length (mm)
93038456	LED 10/T8 PPR 2ft/830	10	1080	3000	600
93038457	LED 10/T8 PPR 2ft/840	10	1200	4000	600
93038459	LED 10/T8 PPR 2ft/865	10	1200	6500	600
93038469	LED 18/T8 PPR 4ft/830	18	1980	3000	1200
93038458	LED 18/T8 PPR 4ft/840	18	2200	4000	1200
93038473	LED 18/T8 PPR 4ft/865	18	2200	6500	1200
93038472	LED 27/T8 PPR 5ft/830	27	3100	3000	1500
93038471	LED 27/T8 PPR 5ft/840	27	3300	4000	1500
93038470	LED 27/T8 PPR 5ft/865	27	3300	6500	1500

Industrial Controls

Electrical Installation

Lighting

PS-H2 Micro LED Headtorch

- 135 Lumen white LG LED
- Magnifying collimator lens
- Emergency flash function
- Push button micro switch
- 90° rotational head
- Rubberised head for greater protection
- 3M reflective strips for greater visibility
- Fully adjustable silicone non-slip headbands
- Impact resistant to 1m
- Battery: 1 x 1.5v AA Duracell Alkaline Battery (Included)
- Weight: 80g (with battery)
- Dimension: Headlight: 50 x 50 x 62mm

Part No	Description	TRADE PRICE
UNIPSH2	Micro LED Headtorch	£25.00

PS-H4 Helmet Mountable Headtorch

- 200 Lumen white CREE LED
- 6 lighting modes
- 2Hz safety flashing mode
- Sliding diffuser for focused or flood lighting features
- 5mm red LED for night vision
- 90° rotational head
- Industrially tough polymer housing
- Fully adjustable non-slip silicone headband
- 3M VHB adhesive helmet mount (Included)
- Bike helmet velcro strap (Included)
- Battery: 3 x 1.5v AAA Duracell Alkaline Batteries (included)
- Weight: 100g (with batteries)
- Dimension: Headlight: 38 x 70 x 50mm

Part No	Description	TRADE PRICE
UNIPSH4	Helmet Mountable LED Headtorch	£32.50

PS-H5 Infrared LED Sensor Headlight

- 350 Lumen white Luxeon LED
- Infrared motion sensor technology
- 3M reflective strips for greater visibility
- SOS flash function
- 90° rotational head
- 3 stage dimming function
- One handed speed focus control slider
- Red rear battery pack light
- Fully adjustable rubberised non-slip headbands
- Impact resistant to 1m
- Battery: 3 ×1.5v AA Duracell Alkaline Batteries (included)
- Weight: 206g (with batteries)
- Dimension: Headlight: 72 x 53 x 43mm – Battery Pack: 82 x 51 x 29mm

Part No	Description	TRADE PRICE
UNIPSH5	Infrared LED Sensor Headtorch	£48.40

PS-H10-R Industrial USB Rechargeable Headlight

- 1100 Lumen white CREE LED
- Multi-faceted deep reflector
- 3 stage dimming electronic switch
- 8Hz & 2Hz strobe and SOS functions
- White rear battery pack light
- Battery level indicator lights
- 90° rotational head
- Fully adjustable silicone non-slip headbands
- 3M reflective strips for greater visibility
- Micro-USB charging cable (included)
- Impact resistant to 1m
- Battery: 1 x 3.7v 2600 mAh 18650 Li-ion Battery (included)
- Weight: 229g (with battery)
- Dimension: Headlight: 51 x 69 x 45mm - Battery Pack: 50 x 83 x 45mm

Part No	Description	TRADE PRICE
UNIPSH10R	Industrial USB Rechargeable Headtorch	£103.00

PS-L2 LED Floating Lantern

- 300 Lumen white Seoul LED
- Industrial strength copolymer housing
- Robust and weatherproof
- Floats beam upright in water
- Optical Beamaster lens for beam penetration
- Ultra tough polycarbonate reflector
- Rubber moulded push micro-switch
- High-vis yellow for added safety
- Impact resistant to 1m
- Battery: 1 x 6v PJ996 Lantern Battery (not included)
- Weight: 230g (with battery)
- Dimension: 175 x 105mm

Part No	Description	TRADE PRICE
UNIPSL2	LED Floating Lantern	£22.20

PS-IL6R USB Rechargeable Inspection Light

- 600 Lumen 5W white Samsung SMD LEDs
- DC-USB charging cable (included)
- Additional 100 lumen torch in head
- Ultra strength polycarbonate housing
- Impact resistant to 1m
- Rear Charging Point with protective cover
- Red-to-Green charging indicator light
- Integral hanging hook & magnet for hands-free use
- Multi positional hook / foldable kick stand
- Battery: 3.7v 4400 mAh Li-ion rechargeable battery (included)
- Weight: 260g (with battery)
- Dimension: 205 x 60 x 42mm

Part No	Description	TRADE PRICE
UNIPSIL6R	USB Rechargeable Inspection Light	£56.00

PS-P1 LED Aluminium Pocket Inspection Light

- 220 lumen white Samsung SMD LEDs
- Strong die cast aluminium body
- Rubberised micro switch operation
- Strong magnetic pocket clip
- Protective housing for LEDs
- Evenly dispersed smooth light spread
- 2 stage dimming and 8Hz defence strobe
- Convenient compact size
- Extra strong magnet in base
- Battery: 3 x AAA Panasonic Batteries (included)
- Weight: 125g (with batteries)
- Dimension: 162 x 30 x 16mm

Part No	Description	TRADE PRICE
UNIPSP1	Aluminium Pocket Inspection Light	£16.40

SLR-3000 Rechargeable LED Site Light

- 3000 Lumen 30W Samsung SMD LEDs
- Powerful Li-ion battery with battery level indicator
- Battery pack can BE used as a USB power bank and can easily be removed
- 50% dimming function to increase battery runtime
- Built in aluminium heat sink
- Anti-slip rubber grip handle
- Adjustable head for light angle
- Tough polycarbonate housing and stand
- Acrylic LED diffuser for even light dispersion
- Anti-glare polycarbonate lens
- 4 Strong magnets within the base
- SL-251 adjustable tripod available (holds 1 light)
- Battery: 7.4v 6600mAh Li-ion Battery Pack
- Weight: 1880g
- Dimension: 215 x 192 x 285 mm

Part No	Description	TRADE PRICE
UNISLR3000	Rechargeable LED Site Light	£108.32

HV-FL1 Police Tactical LED Flashlight

- 175 Lumen white Luxeon LED
- Hard anodized die cast matte aluminium body
- Tactical rubberised micro switch operation
- 3 light mode settings and 8Hz defence strobe
- Multi-faceted reflector for smooth beam spread

- Water resistant IPX7 - 1m submersible
- Impact resistant to 1m
- Nylon velcro holster (included)
- Safety nylon wrist strap (included)
- Battery: 1 x 1.5v AA Duracell Alkaline (included)
- Weight: 92g (with battery)
- Dimension: 29 x 108mm

Part No	Description	TRADE PRICE
UNIHVFL1	Submersible Tactical LED Flashlight	£31.95

HV-FL7R USB Rechargeable Flashlight

- 450 Lumen white CREE LED
- Built in rubberised Micro charging point with Micro-USB cable (included)
- Hard anodized die cast matte aluminium body
- Tactical rubberised micro switch operation
- 3 light mode settings and 8Hz defence strobe
- Water & dust resistant IP67 -

- 1m submersible
- Flawless smooth reflector for long distance beam
- Impact resistant to 1m
- Nylon velcro holster (included)
- Safety nylon wrist strap (included)
- Battery: 3.7v 800 mAh 14500 Li-ion Battery (inc.)
- Weight: 93g (with battery)
- Dimension: 113 x 30mm

Part No	Description	TRADE PRICE
UNIHVFL7R	USB Rechargeable LED Flashlight	£51.50

PS-FL3 Police Tactical LED Flashlight

- 200 Lumen white Luxeon LED
- Flood to spot twist focus control
- Tactical rubberised micro switch operation
- Optical lens technology for smooth beam spread
- 3 stage dimming function
- SOS flash function

- Contoured non-slip hatch grip body
- Impact resistant to 1m
- Nylon velcro holster (included)
- Safety nylon wrist strap (included)
- Battery: 2 ×1.5v AA Duracell Alkaline (Included)
- Weight: 163g (with batteries)
- Dimension: 31 x 163mm

Part No	Description	TRADE PRICE
UNIPSFL3	Police Tactical LED Flashlight	£46.20

PS-ML5 Mains Inspection LED Lead Lamp

- 750 Lumen 10w white COB LED
- Industrial strength polycarbonate
- Mains cable operated
- 230v ultra tough 5m cable
- Hanging hook for easy placement
- IK07 shockproof
- Rubberised handle for extra grip

- Smooth even beam spread
- Impact resistant to 1m
- Chemical and corrosion resistant
- Battery: Mains powered
- Weight: 2kg
- Dimension: 70 x 450mm

Part No	Description	TRADE PRICE
UNIPSML5	Mains Inspection LED Lead Lamp	£40.00

Industrial Controls

Electrical Installation

Lighting

ATEX-PL1 Zone 0 Intrinsically Safe Penlight

- 65 Lumen white CREE LED
- ATEX Zone 0 gas compliant
- Safety gas release valve to release hydrogen gases
- Chemical and corrosion resistant
- Durable rubberised head and body
- Strong ABS housing with durable synthetic rubber coating
- Convenient pocket clip
- Safety locking battery compartment
- Easy press switch ON/OFF operation
- 1m submersible
- Battery: 2 ×1.5v AAA Alkaline Batteries (not included)
- Weight: 41g (without batteries)
- Dimension: 142 x 30 x 20mm

Part No	Description	TRADE PRICE
UNIATEXPL1	Zone 0 Intrinsically Safe Penlight	£41.50

ATEX-FL4 Zone 0 Intrinsically Safe Flashlight

- 140 Lumen white CREE LED
- ATEX Zone 0 gas compliant
- Safety release valve to release hydrogen gases
- Chemical and corrosion resistant
- Rubberised head & handle for greater durability
- Industrial strength polycarbonate housing
- Detachable pocket clip included for hands free use
- Safety locking battery compartment
- Optional brackets available for helmets
- 3m submersible
- Battery: 4 x 1.5v AA Alkaline Batteries (not included)
- Weight: 115g (without batteries)
- Dimension: 174 x 47 x 47mm

Part No	Description	TRADE PRICE
UNIATEXFL4	Zone 0 Intrinsically Safe Flashlight	£47.79

ATEX-H2 Zone 0 Intrinsically Safe Headlight

- 200 Lumen White CREE LED
- ATEX Zone 0 gas compliant
- Safety gas release valve to release hydrogen gases
- Fully adjustable silicone headband
- Strong ABS housing with durable synthetic rubber coating
- Safety locking battery compartment
- Easy press rubberised switch
- 2 mode light settings
- 90° rotational head
- 1m submersible
- Battery: 3 ×1.5v AAA Alkaline Batteries (not included)
- Weight: 143g (without batteries)
- Dimension: Headlight: 80 x 50 x 45mm

*Helmet not included

Part No	Description	TRADE PRICE
UNIATEXH2	Zone 0 Intrinsically Safe Headtorch	£74.00

ATEX-RA2 Zone 0 Intrinsically Safe Angle Torch

- 270 Lumen white CREE LED
- Zone 0 ATEX gas compliant
- Suitable for mining
- Safety release valve to release hydrogen gases
- Chemical and corrosion resistant
- Rubberised head and grips for durability
- Ultra strength polycarbonate housing
- Convenient rear pocket clip
- Safety locking battery compartment
- Easy push micro switch operation
- Battery: 4 x 1.5v AA Alkaline Batteries (not included)
- Weight: 250g (without batteries)
- Dimension: 183 x 69 x 63mm

Part No	Description	TRADE PRICE
UNIATEXRA2	Zone 0 Intrinsically Safe Right Angle Torch	£69.99

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

Industrial Controls

Electrical Installation

Lighting

Ledlenser F1 & F1R LED Torches

LEDLENSER

Fixed focus powerhouse that fits in your pocket

- F1 (battery) or F1R (rechargeable) -both with premium grade LED
- Smart Light technology (tailor light output)
- Tough HAIII anodised aluminium housing
- IPX8 waterproof to 2.5 meters
- Integrated anti-roll
- Dual positional pocket/sleeve/cap clip
- Interchangeable torch front-rings – steel or tactical
- Tactical front-ring capable of breaking glass

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL8701	400	100M	Up to 3.5 hours	69 gms	1 x CR123A	£64.13
LEDL8701R	1000	160M	Up to 60 hours	120 gms	L-ion (18650)	£100.79

Ledlenser P3BM Keyring Light

The perfect Ledlenser for your keyring, purse or car glove box.

- Tough aircraft-grade aluminium casing
- Handy wrist-strap and belt pouch supplied
- Focus for spot or flood beam
- Robust end-cap switch
- Pocket clip and key-ring attachment included

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL8403	16	31M	Up to 7 hours	35 gms	1 x AAA	£15.54

Ledlenser P4BM Inspection Torch

- Slim pen-like shape ideal for engineers and technicians. The perfect inspection torch
- Tough aircraft-grade aluminium casing
- Supplied with wrist-strap and belt pouch
- Focus for spot or flood beam
- Robust end-cap switch
- Pocket clip included

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL8404	18	25M	Up to 8.5 hours	53 GMS	2 x AAA	£21.96

Ledlenser T2QC LED Torch

Whether for leisure or professional use, few torches offer lighting variety the T2QC LED Torch can, especially in a package this size. Make sure you're always prepared with four different lighting colours - a white light for general illumination, red for night work, green for unseen wildlife observation and blue for forensic work - all in a simple to use single switch design. Have the power of four specialist torches in one unit.

- Turn head to change colours instantly
- Prismatic diffusor to maintain constant light distribution

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL9802QCTP	140	25M	4 hours	106 gms	3 x AAA	£36.63

Values measured in White light mode.

Ledlenser P5.2 & P5R.2 Rechargeable LED Torch

Light in weight yet extremely powerful handheld torches with a distinctive two tone design. Choose from the battery operated P5.2 or the rechargeable P5R.2. Recharging the P5.2R is simple via the included contact charger which enables charging whilst the battery is still in its housing.

P5.2

- Energy efficient Premium LED Light Chip
- State-of-the-art, reliable German engineering
- Patented Advanced Focus System Optics.
- Speed Focus enables smooth single-handed beam focusing - flood to spot
- Smart, anti-slip matt black finish
- Corrosion resistant gold plated contacts for better conductivity
- Rated IPX4 water resistance
- User-friendly modular design

P5R.2

- Desirable, planet and packet friendlier rechargeable handheld torch that is small in size but big on performance
- Smart Light Technology (SLT). Micro-chip controlled light options – Power, Low Power, Defence Strobe
- Floating Charge System – effortless contact recharging
- Dynamic Switch. Convenient single switch selection of SLT options
- Robust, yet lightweight aircraft-grade aluminium housing

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL9405R	270	240M	Up to 12 hours	77 gms	L-ion (14500)	£83.29
LEDL9405	140	120M	5 hours	79 gms	1 x AA	£36.63

Ledlenser P7.2 & P7R LED Torch

The P7.2 (battery operated) and P7R.2 (rechargeable) are firm favorites due to their handy size and outstanding brightness levels.

P7.2

- Premium grade LED
- Boost, Power and Low Power options
- Robust aircraft-grade aluminium housing
- Patented Advanced Focus System optics
- Easy Speed-Focus for flood (near illumination) and spot (distance illumination)
- Large end switch for easier operation (even with gloves on)

P7R.2

- Premium grade LED
- Boost, Power and Low Power options
- Robust aircraft-grade aluminium housing
- Patented Advanced Focus System optics

- Easy Speed-Focus for flood (near illumination) and spot (distance illumination)
- Large end switch for easier operation (even with gloves on)
- Rechargeable version of the P7.2
- Super-bright 1000 lumens on full power
- Supplied with Floating Charge System and wall mount
- Hassle-free charging - no need to remove batteries from casing

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL9407	320	260M	Up to 50 hours	175gms	4 x AAA	£54.96
LEDL9408R	1000	210M	Up to 2 hours	210gms	L-ion (18650)	£91.62

Industrial Controls

Electrical Installation

Lighting

Ledlenser H7.2 & H7R.2 LED Headlamp

LEDLENSER

Product Reference: H7.2

The Ledlenser H7.2 headlamp is the result of a passion for perfection in hands free lighting. Providing ultimate comfort, great light distribution and stunning performance. The premium LED, new multi function dynamic 'wheel' switch and the addition of smart light technology to work alongside the world renowned patented advanced focus system optics are just a few highlights of the many innovations integrated into this stunning headlamp.

Product Reference: H7R2

The Ledlenser H7R.2 rechargeable headlamp helps light up the darkest of corners both indoors and outdoors – and it's better and brighter than ever! In addition to our advanced focus system technology, we've integrated exceptional features like a rear safety light and a battery indicator that make it easy to stay on the go without worrying about your light. Recharging is a breeze; simply use the attached USB port or plug, or pop in 4 regular AAA batteries for less waiting and more time enjoying the activities you love.

- Advanced Focus System
- 'Low Battery' indicator
- Transport Lock – prevents light accidentally switching on
- IPX4 - water resistant
- Supplied with Duracell® batteries, belt-hook, wrist-strap(H7.2)
- Premium LED with reconfigured light distribution.
- Brighter, larger area of light
- Smart Light Technology (SLT)
- Multi-function Dynamic 'wheel' switch at back
- Tilting head to direct the light
- Robust flexi-cable
- Ergonomic comfort design
- Rear safety light (H7R.2 only)
- Battery indicator
- Power options
- Supplied with Li-ion battery pack, belt-hook, mains charger, USB cable (H7R.2)

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL7297	250	160M	Up to 60 hours	164 gms	4 x AAA	**£54.96**
LEDL7298	300	160M	Up to 60 hours	165 gms	Lithium-ion Pack	**£73.29**

Ledlenser H14.2 LED Headlamp

A focusable, swiveling LED headlamp crammed with heavy-duty technological wizardry for the serious or professional user.

- Advanced Focus System optics for Flood/Spot beam
- Smart Light Technology for five light options
- Directional light. Lamp head pivots within 90° angle
- Low Battery Message System
- Transport Lock
- IPX4 water resistant

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL7299	350	260m	Up to 60 hours	340 gms	4 x AA	**£77.88**

Industrial Controls

Electrical Installation

Lighting

Ledlenser H3.2 LED Headlamp

Lightweight headlamp with an integrated non-dazzle dimmer switch that makes it especially helpful for localised hands-free lighting. The stretch-safe flexi-cable insures robust use and there is also the facility to swivel the lamp direction within 75degrees, just enough to save having to turn your head an awkward angle - let the light do the work instead!

- Bright premium LED
- Light weight & comfortable
- Advanced Focus System optics for flood/spot beam
- Integrated dimmer switch
- Direct the light - lamp head swivels 75 degrees

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL500767	120	100M	Up to 60 hours	133 gms	3 x AAA	£24.96

Ledlenser ISEO5R Headlamp

The Ledlenser iSEO5R is a high-quality rechargeable headlamp that has been precision engineered to meet the needs of professionals in the most testing of workplace and industrial environments. For users the iSEO5R is the perfect light choice when hands need to be kept free for important work. It is simple to operate with single front switch from which three Smart Light Technology light options can be selected: Power, Low Power and Blink. Also integrated is a handy red LED option, which makes for comfortable, dazzle-free viewing of diagrams and plans in low-light conditions as well as helping to preserve night vision. The lamp head can be tilted 60 degrees to save neck strain and help highlight harder-to-view corners and dark spots. Will also work with 3xAAA standard alkaline batteries (not supplied).

- Rechargeable Headlamp
- Premium Power LED (white light) + glare-free LED (red light)
- Advanced Focus System (AFS). Patented reflector and lens combination for intense spot (distance) or flawless flood (near) illumination
- Smart Light Technology – Power, Low Power, Blink
- Instant Focusing – Focus the light with just one twist
- Transport Lock – to prevent accidental battery drain
- Lamp head swivels 60°
- Water-resistant (IPX6)
- Supplied with: Helmet Mount Kit, USB Cable, Helmet Clips, Pouch, 1 x L-ion Rechargeable Battery Pack

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL5605R	180	120M	5 hours	105 gms	Li-ion	£54.96

Ledlenser H14R.2 LED Headlamp

The new Ledlenser H14.2 headlamp features a premium LED Light-chip and reconfigured lens with the world renowned patented Advanced Focus System optics delivering supreme levels of lighting. The integrated Smart Light Technology options enable light 'customisation' and the ability to convert to a mobile spotlight or belt/body lamp offers flexibility of use that is simply stunning.

- Advanced Focus System
- 'Low Battery' indicator
- Transport Lock – prevents light accidentally switching on
- IPX4 water resistant
- Supplied with Duracell® batteries, belt pouch, wrist-strap
- Premium LED calibrated for a large illumination area
- Smart Light Technology (SLT)
- Multi-function Dynamic 'wheel' switch at back
- Head tilts
- Robust flexi-cable
- Three hands-free lamp configurations

Part No	Lumens	Beam Distance	Burn Time	Weight	Power Supply	TRADE PRICE
LEDL7299R	1000	300m	Up to 35 hours	340 gms	2XICR18650 battery pack	£128.29

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

Industrial Controls

Electrical Installation

Lighting

FL12 – FL18 LED Rechargeable Floodlight

LED Rechargeable Cordless Floodlights powered by a lightweight li-ion battery giving a variety of durations between 4 and 6 hours continuous use depending on the model chosen.

- IP65 rated for indoor and outdoor use.
- Head pivots forward and backwards through 120° for perfect positioning and directional control.
- Recharge time 3 hours approximately
- Weight: 1.2kg
- Supplied with mains and vehicle chargers

Choose from:

- 10Watt 4-5 Hours continuous usage
- 20Watt 5-6 Hours continuous usage
- 30Watt 4-5 Hours continuous usage
- 50Watt 4-5 Hours continuous usage

Part No	Description	TRADE PRICE
CLULITEFL12	10W LED Rechargable Floodlight	£58.00
CLULITEFL16	20W LED Rechargable Floodlight	£99.00
CLULITEFL17	30W LED Rechargable Floodlight	£120.00
CLULITEFL18	50W LED Rechargable Floodlight	£140.00

Centro Weatherproof T5 Fluorescent Fittings

CENTRO
INDUSTRIAL ESSENTIALS

Standard Features:

- High frequency
- Certified ingress protection to IP65
- Luminaire housing made of corrosion, moisture and acid resisting glass fibre reinforced polyester
- Light grey finish (RAL7035)
- Flame resistant with continuous non-ageing gasket
- Polycarbonate injection moulded diffusers
- One part plastic clips as standard or optional stainless steel clips
- Cable entries, with grommets at both ends and further conduit entries on rear of the housing
- White powder coated metal geartray fixed to the body by flexible geartray suspension clips
- Suitable for use with Besa Box Mounting Kit
- Supplied less lamps
- Emergency version has 3 hour Emergency Back Up

Applications:

- Warehousing
- Food preparation areas
- Manufacturing plants
- Cold stores
- Multi-storey car parks
- Under canopy lighting
- Storerooms

Eye·Wi
Compatible

T5

■ **WEATHERPROOF T5**

Part No	Description	LIST PRICE
CTRO44160	1x14W 600mm	£49.88
CTRO44176	1x28W 1200mm	£48.18
CTRO44192	1x35W 1500mm	£51.76
CTRO44200	1x49W 1500mm	£51.76
CTRO44184	1x54W 1200mm	£47.88
CTRO44208	1x80W 1500mm	£56.39
CTRO44216	2x14W 600mm	£52.59
CTRO44224	2x24W 600mm	£52.05
CTRO44232	2x28W 1200mm	£62.33
CTRO44248	2x35W 1500mm	£68.91
CTRO44256	2x49W 1500mm	£62.33
CTRO44240	2x54W 1200mm	£68.91

■ **WEATHERPROOF T5 EMERGENCY**

Part No	Description	LIST PRICE
CTRO44178	1x28W 1200mm	£131.90
CTRO44194	1x35W 1500mm	£153.76
CTRO44202	1x49W 1500mm	£153.76
CTRO44186	1x54W 1200mm	£131.90
CTRO44210	1x80W 1500mm	£140.30
CTRO44234	2x28W 1200mm	£145.68
CTRO44250	2x35W 1500mm	£174.91
CTRO44258	2x49W 1500mm	£174.91
CTRO44242	2x54W 1200mm	£168.33

Centro Weatherproof T8 Fluorescent Fittings

CENTRO
INDUSTRIAL ESSENTIALS

Standard Features:

- High frequency
- Certified ingress protection to IP65
- Luminaire housing made of corrosion, moisture and acid resisting glass fibre reinforced polyester
- Light grey finish (RAL7035)
- Flame resistant with continuous non-ageing gasket
- Polycarbonate injection moulded diffusers
- One part plastic clips as standard or optional stainless steel clips
- Cable entries, with grommets at both ends and further conduit entries on rear of the housing
- White powder coated metal gear tray fixed to the body by flexible gear tray suspension clips
- Suitable for use with Besa Box Mounting Kit
- Supplied less lamps
- Emergency version has 3 Hour Emergency Back Up

Applications:

- Warehousing
- Food preparation areas
- Manufacturing plants
- Cold stores
- Multi-storey car parks
- Under canopy lighting
- Storerooms

Eye·Wi
Compatible

T8

■ WEATHERPROOF T8

Part No	Description	LIST PRICE
CTRO44132	1x18W 600mm	£46.22
CTRO44133	1x36W 1200mm	£46.22
CTRO44134	1x58W 1500mm	£48.82
CTRO44135	1x70W 1800mm	£59.60
CTRO44137	2x36W 1200mm	£57.02
CTRO44138	2x58W 1500mm	£60.98
CTRO44139	2x70W 1800mm	£70.56

■ WEATHERPROOF T8 EMERGENCY

Part No	Description	LIST PRICE
CTRO44140	1x36W 1200mm	£70.56
CTRO44141	1x58W 1500mm	£107.16
CTRO44142	1x70W 1500mm	£111.34
CTRO44144	2x36W 1200mm	£124.48
CTRO44145	2x58W 1500mm	£120.68
CTRO44146	2x70W 1800mm	£121.22

Industrial Controls

Electrical Installation

Lighting

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Industrial Controls

Electrical Installation

Lighting

Centro T5 Fluorescent Battens

Standard Features:
- High frequency
- Same width as T8 batten. Easy to retrofit with no redecoration
- BESA fixing at 300 & 600mm centres
- Single and twin lamp options
- Wide range of attachments available
- Emergency version has 3 hour emergency pack

Applications:
- Offices
- Garages
- Corridors

■ T5 BATTENS

Part No	Description	LIST PRICE
CTRO44840	1x28W 1200mm	£52.44
CTRO44842	1x35W 1500mm	£52.36
CTRO44844	1x49W 1500mm	£52.36
CTRO44841	1x54W 1200mm	£57.28
CTRO44846	1x80W 1500mm	£75.16
CTRO44848	2x28W 1200mm	£64.12
CTRO44850	2x35W 1500mm	£71.12
CTRO44852	2x49W 1500mm	£66.08
CTRO44849	2x54W 1200mm	£59.08
CTRO44854	2x80W 1500mm	£84.24

■ T5 EMERGENCY BATTENS

Part No	Description	LIST PRICE
CTRO71103	1x28W 1200mm	£266.08
CTRO44843	1x35W 1500mm	£148.52
CTRO44845	1x49W 1500mm	£151.48
CTRO71104	1x54W 1200mm	£162.08
CTRO44847	1x80W 1500mm	£166.16
CTRO71105	2x28W 1200mm	£287.56
CTRO44851	2x35W 1500mm	£162.08
CTRO44853	2x49W 1500mm	£195.28
CTRO44855	2x54W 1200mm	£291.08
CTRO71106	2x80W 1500mm	£190.00

Centro T8 Fluorescent Battens

Standard Features:
- High frequency
- Manufactured from mild steel
- Resilient white finish
- Polycarbonate lampholders
- Emergency version has 3 hour emergency pack

Applications:
- Offices
- Kitchens
- Workshops
- Corridors

■ T8 BATTENS

Part No	Description	LIST PRICE
CTRO40170	1x36W 1200mm	£48.77
CTRO40171	1x58W 1500mm	£43.21
CTRO40172	1x70W 1800mm	£53.03
CTRO40173	2x36W 1200mm	£72.18
CTRO40174	2x58W 1500mm	£57.09
CTRO40175	2x70W 1800mm	£65.39

■ T8 EMERGENCY BATTENS

Part No	Description	LIST PRICE
CTRO40176	1x36W 1200mm	£143.06
CTRO40177	1x58W 1500mm	£137.50
CTRO40178	1x70W 1800mm	£173.33
CTRO40179	2x36W 1200mm	£166.47
CTRO40180	2x58W 1500mm	£151.38
CTRO40181	2x70W 1800mm	£185.69

Fluorescent Batten Accessories

■ T8 PRISMATIC DIFFUSERS

Part No	Description	LIST PRICE
CTRO40287	1x36W	£17.33
CTRO40288	1x58W	£20.71
CTRO40289	1x70W	£24.29
CTRO40291	2x36W	£23.28
CTRO40292	2x58W	£27.25
CTRO40293	2x70W	£35.54

■ T8 REFLECTORS

Part No	Description	LIST PRICE
CTRO40283	36W	£21.23
CTRO40284	58W	£22.76
CTRO40285	70W	£25.43

■ T5 PRISMATIC DIFFUSERS

Part No	Description	LIST PRICE
CTRO44880	28 & 54W	£18.37
CTRO44881	35, 49 & 80W	£19.48

■ T5 REFLECTORS

Part No	Description	LIST PRICE
CTRO44882	28 & 54W	£21.23
CTRO44883	35, 49 & 80W	£22.76

Centro Discharge High Bays

Standard Features:
- Certified ingress protection to IP20
- Metal halide versions supplied with toughened front glass for added safety
- Supplied as standard with timed ignitor to prevent lamp cycling
- Corrosion resistant powder coated aluminium body
- Complete with lamp

Applications:
- Warehousing
- Manufacturing plants
- Aircraft hangars
- Internal sports facilities
- Retail super stores and precincts

Part No	Watts	Lamp	LIST PRICE
CTRO40231	250W	HPS (SON)	£120.10
CTRO40232	400W	HPS (SON)	£140.70
CTRO40233	250W	Metal Halide	£130.24
CTRO40234	400W	Metal Halide	£151.90

Centro Discharge Low Bays

Standard Features:
- Certified ingress protection to IP20
- Best when mounted between 3–7m
- Constructed from mild steel
- Resilient white finish
- HQI version fitted with glass as standard
- Choice of chain suspension pointers and Besa fixings

Applications:
- Warehousing
- High rack storage facilities
- Manufacturing plants

Part No	Watts	Lamp	LIST PRICE
CTRO40224	250W	Metal Halide	£110.12
CTRO40222	250W	HPS (SON)	£108.70
CTRO40225	400W	Metal Halide	£117.50
CTRO40223	400W	HPS (SON)	£120.44

Industrial Controls

Electrical Installation

Lighting

Alice LED Floodlight

Both strong and bright Alice is robust and reliable no matter the weather.

- 4 different lumen packages from 10W to 100W
- Very lightweight, compact and streamline design
- Universal mounting bracket allows wall or surface mounting with the possibility of tilting upwards or downwards
- Pre-wired with mains cable

THORN
eco
Economical LED lighting

Part No	Description	Watt	Colour	TRADE PRICE
TLAC10W	ALICE LED FL IP65	10	840	£19.54
TLAC30W	ALICE LED FL IP65	30	840	£58.62
TLAC50W	ALICE LED FL IP65	50	840	£97.70
TLAC100W	ALICE LED FL IP65	100	840	£195.40

Amy Recessed LED Downlight

Meet Amy. With a pleasing aesthetic; Amy is the ideal solution for a vast range of applications.

- Consistent light output with no shadowing
- Replacement for traditional 1x18W, 1x26W, 2x18W or 2x26W compact fluorescent downlights
- Choice of 3000K or 4000K to suit application use
- Thermally optimised, deep drawn, aluminium body

Part No	Description	Watt	Lumens	Colour	Emergency	TRADE PRICE
TLAY800Z3K	AMY 100 LED DL 800 830	9	800	830	No	£19.54
TLAY800Z4K	AMY 100 LED DL 800 840	9	800	840	No	£19.54
TLAY1000Z3K	AMY 150 LED DL 1000 830	12	1000	830	No	£26.44
TLAY1000Z4K	AMY 150 LED DL 1000 840	12	1000	840	No	£26.44
TLAY1500Z3K	AMY 150 LED DL 1500 830	16	1500	830	No	£31.03
TLAY1500Z4K	AMY 150 LED DL 1500 840	16	1500	840	No	£31.03
TLAY2000Z3K	AMY 200 LED DL 2000 830	21	2000	830	No	£35.63
TLAY2000Z4K	AMY 200 LED DL 2000 840	21	2000	840	No	£35.63
TLAY1000ZE3K	AMY 150 LED DL 1000 830 E3	12	1000	830	Yes	£109.85
TLAY1000ZE4K	AMY 150 LED DL 1000 840 E3	12	1000	840	Yes	£109.85
TLAY1500ZE3K	AMY 150 LED DL 1500 830 E3	16	1500	830	Yes	£114.45
TLAY1500ZE4K	AMY 150 LED DL 1500 840 E3	16	1500	840	Yes	£114.45
TLAY2000ZE3K	AMY 200 LED DL 2000 830 E3	21	2000	830	Yes	£119.05
TLAY2000ZE4K	AMY 200 LED DL 2000 840 E3	21	2000	840	Yes	£119.05

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Lines open 08.00-17.30

Julie IP65 LED Luminaire

With a tough exterior, Julie is the optimal choice for industrial and commercial applications.

- High quality, low energy lighting in wet and dusty environments
- High quality opal diffuser for uniform lighting
- Ideal for replacement and refurbishment projects
- CONNECT version with quick connector for easy installation available
- 1800lm (20W), 4000lm (40W), 6000lm (60W), up to 100lm/W
- Colour Temperature 4000K

Part No	Description	Watt	Lumens	Colour	Emergency	TRADE PRICE
TLJU1800Z2F	JULIE 600 LED IP65 1800 840	20	1800	840	No	£44.25
TLJU4000Z4F	JULIE 1200 LED IP65 4000 840	40	4000	840	No	£62.07
TLJU4000Z5F	JULIE 1500 LED IP65 4000 840	40	4000	840	No	£66.44
TLJU6000Z5F	JULIE 1500 LED IP65 6000 840	60	6000	840	No	£82.76
TLJU4000ZE4F	JULIE 1200 LED IP65 4000 840 E3	40	4000	840	Yes	£128.74
TLJU4000ZE5F	JULIE 1500 LED IP65 4000 840 E3	40	4000	840	Yes	£133.10
TLJU6000ZE5F	JULIE 1500 LED IP65 6000 840 E3	60	6000	840	Yes	£149.43
TLJU4000ZQF4F	JULIE 1200 LED IP65 4000 840 CONNECT	40	4000	840	No	£73.57
TLJU6000ZQF5F	JULIE 1500 LED IP65 6000 840 CONNECT	60	6000	840	No	£94.26
TLJUACCKIT	JULIE LED Standard Accessory Kit					£2.30
TLJUCONKIT	JULIE LED CONNECT ACCESSORY KIT					£6.90

Monty Recessed LED Luminaire

An economical LED luminaire, Monty provides quality light with maximum efficiency.

- High power LED module and high performance optics deliver optimal luminaire efficiency
- Lay in installation
- 3h emergency version available

Part No	Description	Watt	Lumens	Colour	Emergency	TRADE PRICE
TLMO3200Z3K	Moduline LED II 606 HF L830	32	3200	830	No	£56.32
TLMO3200Z4K	Moduline LED II 606 HF L840	32	3200	840	No	£56.32
TLMO3200ZE4K	Moduline LED II 606 HF L840 E3	32	3200	840	Yes	£131.33
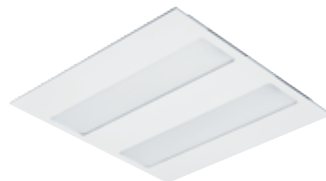
Zoe Slim LED Downlight

Slim and adaptable, Zoe is perfectly suited to everyday needs.

- Uniform light surface
- Product height of only 12mm: fits various ceiling types
- Choice of 3000K or 4000K to suit application use
- Replaces conventional downlights with 1x18W, 1x26W and 2x18W CFL and offersup to 50% energy saving
- Tool-free installation

Part No	Description	Watt	Lumens	Colour	TRADE PRICE
TLZO600Z4K	ZOE LED DL 100 600 840	8	600	840	£20.69
TLZO900Z4K	ZOE LED DL 150 900 840	12	900	840	£27.59
TLZO1500Z4K	ZOE LED DL 200 1500 840	18	1500	840	£32.18
TLZO600Z3K	ZOE LED DL 100 600 830	8	600	830	£20.69
TLZO900Z3K	ZOE LED DL 150 900 830	12	900	830	£27.59
TLZO1500Z3K	ZOE LED DL 200 1500 830	18	1500	830	£32.18

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Economical LED lighting

Industrial Controls

Electrical Installation

Lighting

Lara Circular IP65 Bulkhead

Sporting many different looks, Lara is the ultimate choice for a range of indoor and outdoor settings.

- 1200lm LED (direct replacement for 1x28W 2D) and 800lm LED (direct replacement for 1x16W 2D)
- Frosted diffuser ensures a homogeneous light effect and visual comfort
- Sealed to IP65 for protected exterior applications
- Robust construction tested up to IK08 impact resistance
- Optional trim accessories in 4 designs: bezel, eyelid, eyelid grille and grille
- 2 Colours: white (RAL 9003) and black (RAL 9011)
- Optional: Integral photocell or microwave presence sensor maximising the energy saving potential

THORN
eco
Economical LED lighting

Part No	Description	Watt	Lumens	Colour	Emergency	TRADE PRICE
TLLAS800ZPW4K	LARA LED 250 800 840 PC WH	8	800	840	No	£55.17
TLLAS800ZMW4K	LARA LED 250 800 840 MWS WH	8	800	840	No	£78.16
TLLAS800ZWE4K	LARA LED 250 800 840 WH E3	8	800	840	Yes	£89.66
TLLAS800ZMEW4K	LARA LED 250 800 840 MWS WH E3	8	800	840	Yes	£135.63
TLLAS800ZB4K	LARA LED 250 800 840 BLK	8	800	840	No	£32.18
TLLAS800ZPB4K	LARA LED 250 800 840 PC BLK	8	800	840	No	£55.17
TLLAS800ZMB4K	LARA LED 250 800 840 MWS BLK	8	800	840	No	£78.16
TLLAS800ZBE4K	LARA LED 250 800 840 BLK E3	8	800	840	Yes	£89.66
TLLAS800ZMEB4K	LARA LED 250 800 840 MWS BLK E3	8	800	840	Yes	£135.63
TLLAL1200ZW4K	LARA LED 300 1200 840 WH	13	1200	840	No	£40.23
TLLAL1200ZPW4K	LARA LED 300 1200 840 PC WH	13	1200	840	No	£63.22
TLLAL1200ZMW4K	LARA LED 300 1200 840 MWS WH	13	1200	840	No	£86.21
TLLAL1200ZEW4K	LARA LED 300 1200 840 WH E3	13	1200	840	Yes	£97.70
TLLAL1200ZMEW4K	LARA LED 300 1200 840 MWS WH E3	13	1200	840	Yes	£143.68
TLLAL1200ZB4K	LARA LED 300 1200 840 BLK	13	1200	840	No	£40.23
TLLAL1200ZPB4K	LARA LED 300 1200 840 PC BLK	13	1200	840	No	£63.22
TLLAL1200ZMB4K	LARA LED 300 1200 840 MWS BLK	13	1200	840	No	£86.21
TLLAL1200ZEB4K	LARA LED 300 1200 840 BLK E3	13	1200	840	Yes	£97.70
TLLAL1200ZMEB4K	LARA LED 300 1200 840 MWS BLK E3	13	1200	840	Yes	£143.68

Eve Recessed LED Panel

Low glare and compact, Eve creates a harmonious setting in desk space environments.

- Elegant seamless frame made out of one-piece high-quality ABS material
- Compact design with integrated driver for better reliability
- Tool-free installation (piano key terminal for up to 2.5mm² wires)
- Fully homogeneous illumination
- Easy installation thanks to an external connector box enabling loop-in loop-out wiring
- Replaces conventional luminaires with 4x18W T8 and offers up to 60% energy saving
- UGR <19 Compliant

Part No	Description	Watt	Lumens	Colour	Emergency	TRADE PRICE
TLEE3400Z4K	EVE LED Q596 3400 840	31	3400	840	No	£55.17
TLEE3400ZE4K	EVE LED Q596 3400 840 E3	31	3400	840	Yes	£130.18
TLEESUSKIT	EVE LED SUSPENSION KIT					£13.70
TLEESURKIT	EVE LED Q596 SURFACE MOUNT BOX					£33.31
TLEESUREKIT	EVE LED Q596 E3 SURFACE MOUNT BOX					£33.31

PopPack LED batten

THORN

- LED one for one replacement for single and twin T8/T5 (35W up to 80W) fluorescent batten
- Only 28W, 26W to 60W total load, up to 67% energy reduction vs traditional switch start
- Up to 110Llm/cW - exceeding building regulation requirements
- Batten: pre-coated roll form steel, white (RAL9016)
- Diffuser: textured opal acrylic
- 4/6 way terminal block with capacity for loop in/out 2.5mm² cables.
- Detachable LED engine for easy installation and replacement.

Part No	Description	Lumens	Emergency	TRADE PRICE
TLPP3000Z4F	PopPack LED 3000 lumen 4ft	3000	No	£139.59
TLPP4000Z5F	PopPack LED 4000 lumen 5ft	4000	No	£166.18
TLPP4500Z4F	PopPack LED 4500 lumen 4ft	4500	No	£172.83
TLPP6000Z5F	PopPack LED 6000 lumen 5ft	6000	No	£206.07
TLPP6500Z6F	PopPack LED 6500 lumen 6ft	6500	No	£249.27
TLPP7000Z4F	PopPack LED 7000 lumen 4ft	7000	No	£228.93
TLPP3000ZE4F	PopPack LED 3000 lumen 4ft Emg	3000	Yes	£405.48
TLPP4000ZE5F	PopPack LED 4000 lumen 5ft Emg	4000	Yes	£432.07
TLPP4500ZE4F	PopPack LED 4500 lumen 4ft Emg	4500	Yes	£438.72
TLPP6000ZE5F	PopPack LED 6000 lumen 5ft Emg	6000	Yes	£471.96
TLPP6500ZE6F	PopPack LED 6500 lumen 6ft Emg	6500	Yes	£515.16
TLPP7000ZE4F	PopPack LED 7000 lumen 4ft Emg	7000	Yes	£494.81
TLPPWG4F	PopPack LED Wire Guard 4ft	4ft		£132.81
TLPPWG5F	PopPack LED Wire Guard 5ft	5ft		£132.81
TLPPWG6F	PopPack LED Wire Guard 6ft	6ft		£154.30
TLPPSUS2M	PopPack LED Wire Suspension Kit 2m			£67.14

Voyager Blade LED

Ultra slim aluminium bodied LED exit sign for surface / suspended application.

- Choice of ceiling or wall mount installation plus a suspended version for design flexibility
- 3 hour duration maintained or non-maintained operation
- Easy to install and change legends
- Body: Aluminium, silver finish Blade: Perspex®
- Suitable for small area use and viewing distances up to 23 metres.

Part No	Description	TRADE PRICE
TLVYBLMS	Surface Mounted Maintained Exit Sign (Inc ISO right/left legend)	£83.81
TLVYBLNMS	Surface Mounted Non-Maintained Exit Sign (Inc ISO right/left legend)	£80.92
TLVYBLMC	Chain Suspended Maintained Exit Sign (Inc ISO right/left legend)	£95.37
TLVYBLNMC	Chain Suspended Non-Maintained Exit Sign (Inc ISO right/left legend)	£98.26
TLVYBLMR	Recessed Maintained Exit Sign (Inc ISO right/left legend)	£98.26
TLVYBLNMR	Recessed Non-Maintained Exit Sign (Inc ISO right/left legend)	£101.15
TLVYBISOD	Voyager Blade ISO Down Legend	£4.56
TLVYBISOU	Voyager Blade ISO Up Legend	£4.56

Industrial Controls

Electrical Installation

Lighting

Over 50,000 electrical items in stock

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Lighting

Thorn Voyager E LED BULKHEAD

THORN

Economical escape route and anti-panic area lighting.

- IP65 LED bulkhead supplied with self-adhesive legend kit
- Suitable for escape routes and open areas
- 3-hour maintained or non-maintained emergency operation with manual testing
- Durable polycarbonate construction

Part No	Description	TRADE PRICE
TLEVB3NMLED	Thorn Voyager E non-maintained LED emergency bulkhead	£100.10
TLEVB3MLED	Thorn Voyager E maintained LED emergency bulkhead	£102.25

Thorn Voyager E Exit Sign

Economical escape route signage.

- Suitable for escape routes and open areas
- Integrated door illumination panel
- Supplied complete with lamp and three legend plates
- Strong, durable construction
- 3-hour duration

Part No	Description	TRADE PRICE
TLVYEMEXIT	Thorn Voyager E maintained 8W emergency exit box c/w 3 legends	£57.08

Tridonic Electronic Ballast For Fluorescent Lamps

Electronic ballast from Tridonic Atco is noted in particular for its excellent economy, exceptional level of lighting comfort and impressive reliability.

- The PC PRO family of ECGs combine the benefits of modern electronics with the advantages of compact casing design
- The one- to two-lamp versions are designed to operate T8 fluorescent lamps from 18W to 70W
- The integrated Intelligent Voltage Guard (IVG) is an innovative prevention mechanism that constantly monitors the mains voltage at the control gear to protect it against possible damage due to overvoltage or undervoltage
- At mains voltages above 306V the lamps start to flash on and off so the installer can immediately take appropriate action
- If the mains voltage falls below 150V the lamp circuit is automatically disconnected to protect the control gear from being irreparably damaged

TRIDONIC

Part No	Watts	Type	TRADE PRICE
TRIDPC118T8PRO	18	Single	£25.58
TRIDPC136T8PRO	36	Single	£25.58
TRIDPC158T8PRO	58	Single	£25.58
TRIDPC170T8PRO	70	Single	£24.26
TRIDPC218T8PRO	18	Twin	£27.23
TRIDPC236T8PRO	36	Twin	£27.23
TRIDPC258T8PRO	58	Twin	£27.23
TRIDPC270T8PRO	70	Twin	£29.37

LED 2 Pin Plug-In

GE's LED 2 Pin range is designed to replace CFL plug in lamps operated on standard magnetic ballasts. GE's new LED Plug-In 2Pin lamp is coming with a generic G24d base and thus can replace 13, 18 or 26W CFL lamps. This replacement can be completed without tools or costly upgrade. LED 2 Pin Plug-In lamp is available in 10.5W design for horizontal applications.

■ **LED 2 PIN PLUG-IN**

Part No	Watts	Base	CCT (K)	Lumen	Ballast Comptability	Operating Position
GE93051476	10.5	G24d	3000	1050	Magnetic	Horizontal
GE93051477	10.5	G24d	4000	1050	Magnetic	Horizontal
GE93051521	10.5	G24d	6500	1050	Magnetic	Horizontal

LED 4 Pin Plug-In

GE's LED 4 Pin Plug-In lamp offers safe, reliable and affordable energy saving alternative to Compact Fluorescent 4 Pin Plug-In lamps used in downlight fixtures. GE's new LED Plug-In lamp can replace 26W with G24q-3 and 26 or 32W with GX24q-3 base CFL lamps.

■ **LED 4 PIN PLUG-IN**

Part No	Watt	Length (mm)	Burn Position	Lumen	CCT (K)
GE93019485	12.5	132	Horizontal	1,250	2,700
GE93019486	12.5	132	Horizontal	1,290	3,000
GE93060368	10	161	Horizontal	1,170	4,000
GE93019488	12.5	132	Horizontal	1,350	6,500
GE93024415	12.5	144	Vertical	1,250	2,700
GE93024294	12.5	144	Vertical	1,290	3,000
GE93024110	12.5	144	Vertical	1,300	4,000
GE93024109	12.5	144	Vertical	1,350	6,500
GE93060370	7.5	161	Horizontal	850	3000
GE93060371	7.5	161	Horizontal	880	4000
GE93060372	7.5	161	Horizontal	890	6500

LED T8 PHF

The LED T8 Plastic HF range offers a safe, reliable and affordable energy saving alternative to 18W, 36W and 58W standard fluorescent T8 lamps. These highly efficient LED T8 tubes have an exceptionally high lumen output combined with 50,000-hour life span. GE LED T8 HF tubes can be used as a direct replacement for linear fluorescent tubes in existing luminaires operating on electronic control gear.

■ **LED T8 PHF**

Part No	Watt	CCT (K)	Cap	Lumen	Length mm
GE93041502	9	3000	G13	1,100	600
GE93041503	9	4000	G13	1,200	600
GE93041504	9	6500	G13	1,200	600
GE93041505	18	3000	G13	2,100	1,200
GE93041836	18	4000	G13	2,300	1,200
GE93041837	18	6500	G13	2,300	1,200
GE93041838	25	3000	G13	3,150	1,500
GE93041839	25	4000	G13	3,400	1,500
GE93041840	25	6500	G13	3,400	1,500

Industrial Controls

Electrical Installation

Lighting

LED T8 VG Glass

The LED T8 VG Glass range offers safe, reliable and affordable energy saving alternatives to standard Fluorescent T8 lamps.

Available in 60cm, 120cm, 150cm and 180cm lengths, GE LED T8s can be quickly fitted as a replacement into luminaires operating on electro-magnetic control gear or on electronic gear with a simple re-wire (for further details see installation guide).

■ **LED T8 VG GLASS**

Part No	Watt	Length (mm)	Volts	Lumen	CCT (K)
GE93013212	8	600	100-240	700	3,000
GE93013213	8	600	100-240	800	4,000
GE93013214	8	600	100-240	800	6,500
GE93013215	10	600	100-240	950	3,000
GE93013220	10	600	100-240	1,050	4,000
GE93013221	10	600	100-240	1,050	6,500
GE93013231	14.5	1200	100-240	1,450	3,000
GE93013232	14.5	1200	100-240	1,650	4,000
GE93013233	14.5	1200	100-240	1,650	6,500
GE93013139	18	1200	100-240	1,850	3,000
GE93013222	18	1200	100-240	2,050	4,000
GE93013140	18	1200	100-240	2,050	6,500
GE93013354	18	1500	100-241	1,850	3,000
GE93013355	18	1500	100-242	2,050	4,000
GE93013356	18	1500	100-243	2,050	6,500
GE93013234	27	1500	100-240	2,500	3,000
GE93013235	27	1500	100-240	2,700	4,000
GE93013236	27	1500	100-240	2,700	6,500
GE93040746	30	1800	100-240	3,300	3,000
GE93040747	30	1800	100-240	3,600	4,000
GE93040748	30	1800	100-240	3,600	6,500

LED 2D

GE's LED 2D lamp offers safe, reliable and affordable energy saving alternative to CFL 2D lamps used in bulkhead fixtures. GE's new LED 2D lamps can offer direct retrofit replacement for 16W 2Pin 2D lamps operated on Magnetic ballast, 28W 4Pin 2D lamps operated on Magnetic and Electronic ballast (separate designs). Long life 40,000 hours rated life (L70), Lasts 2.5-3x longer than typical CFL 2D lamp. (Note. LED 2D are not compatible with emergency fittings).

■ **LED 2D**

Part No	Watt (w)	Cap	CCT (K)	Lumen	Ballast Comptability
GE93039469	6.5	GR8	2700	750	Magnetic
GE93039470	6.5	GR8	3000	770	Magnetic
GE93039471	6.5	GR8	3500	800	Magnetic
GE93039475	6.5	GR8	4000	830	Magnetic
GE93039478	12.5	GR10q	2700	1400	Electronic
GE93039477	12.5	GR10q	3500	1500	Electronic
GE93039476	12.5	GR10q	4000	1550	Electronic
GE93039473	12.5	GR10q	2700	1400	Magnetic
GE93039472	12.5	GR10q	3500	1500	Magnetic
GE93039474	12.5	GR10q	4000	1550	Magnetic

LED Mercury

GE's new 35W LED Mercury lamps can offer direct retrofit replacement for 80W and 125W HID Mercury installations. The robust lamp design with E27 base ensures direct retrofitting and the upgraded fixture will deliver up to 75% energy saving and reduced operating cost driven by the increased life.

■ **LED MERCURY**

Part No	Watt	Volts	Cap	Lumen	Ballast Comptability
GE93038710	35	220-240	E27	4,750	Magnetic
GE93038711	35	220-240	E27	4,800	Magnetic

LED Glass

GE Lighting introduces to its range a brand new Lamp, 100% made of Glass with LED Inside! With 2700k traditional colour temperature, smooth light distribution, a beam angle very close to 360' and 100% retro-fit capability.

■ **LED GLASS**

Part No	Volts	Watt	Lumen	CCT	Lamp Equivalence (w)	Cap
GE93046029	220-240V	4.5	470	2700K	40	E27
GE93046030	220-240V	8	810	2700K	60	E27

LED Bright Stik

LED Bright Stik™ illuminates spaces with light instantly. Its sleek cylindrical shape fits in place of a traditional incandescent bulb - and some sockets where a traditional bulb or CFL doesn't fit. Replace a 40W, 60W & 100W incandescent with an LED Bright Stik and keep saving for the next 15 years*. That's a long time you can spend not worrying about light bulbs.

*Based on 2.7 hours of per day use.

■ **40W, 60W, 75W AND 100W REPLACEMENTS**
■ **15,000 HOURS RATED LIFE**
■ **ALWAYS READY – INSTANT BRIGHTNESS**
■ **3 COLOUR OPTIONS**
■ **100-240 VOLTS**

Part No	Watt	Volts	Cap	Lumen	CCT (k)	Pack Qty
GE93023175	6	100-240	E27	470	3,000	3
GE93032230	6	100-240	B22	470	3,000	3
GE93047729	7	100-240	E14	550	3,000	1
GE93047727	7	100-240	E14	600	4,000	1
GE93047728	7	100-240	E14	600	6,500	1
GE93024033	10	100-240	E27	810	3,000	1
GE93024034	10	100-240	E27	810	6,500	1
GE93032233	10	100-240	E27	810	4,000	1
GE93023171	10	100-240	B22	810	3,000	3
GE93038839	12	100-240	E27	1,055	3,000	1
GE93038719	12	100-240	B22	1,055	3,000	2
GE93038840	12	100-240	E27	1,055	4,000	1
GE93038841	12	100-240	E27	1,055	6,500	1
GE93024035	16	100-240	E27	1,521	3,000	1
GE93024037	16	100-240	E27	1,521	6,500	1
GE93023114	16	100-240	E27	1,521	3,000	2
GE93023113	16	100-240	E27	1,521	4,000	2

Industrial Controls

Electrical Installation

Lighting

Industrial Controls

Electrical Installation

Lighting

Advanced Lighting Technologies

Whether it's long life, energy savings, or quality of light,
GE's linear fluorescent lamps have your application covered.

Linear Solutions

FOR MAINTENANCE SAVING

GE T5 Longlast™

- 20% longer life – 30,000 hours on 3-hour cycle on electronic ballast
- Excellent colour rendering – 85 Ra
- Outstanding lumen maintenance – 95%
- Starcoat technology
- High Efficiency (HE) – up to 104lm/W
- High Output (HO) – up to 7,000Lm
- Range: HE – 14/21/28/35W
  HO – 24/39/49/54/80W

FOR HIGH LIGHT SAVING

GE T8 Polylux™ XLʀ™

- Excellent colour rendering – 85 Ra
- High efficiency – up to 93lm/W
- Outstanding lumen maintenance – 95%
- 67% longer life than T8 standard – 15,000 hours on standard ballast and 20,000 hours on electronic ballast
- Range: 15/18/30/36/58/70W

Fluorescent Tubes

■ T5 LONGLAST HIGH EFFICIENCY

Part No	Watts	Length	Rated Average Life (Hr)
GEF14WT5***LL	14	549mm	30,000
GEF21WT5***LL	21	849mm	30,000
GEF28WT5***LL	28	1149mm	30,000
GEF35WT5***LL	35	1449mm	30,000

Order in box quantity of 30

■ T5 LONGLAST HIGH OUTPUT

Part No	Watts	Length	Rated Average Life (Hr)
GEF24WT5***LL	24	549mm	30,000
GEF39WT5***LL	39	849mm	30,000
GEF49WT5***LL	49	1449mm	30,000
GEF54WT5***LL	54	1149mm	30,000
GEF80WT5***LL	80	1449mm	30,000

Order in box quantity of 30

■ T5 MINIATURE

Part No	Watts	Length	Rated Average Life (Hr)
GEF8WT5**SL	8	288mm	5,000
GEF13WT5**SL	13	513mm	5,000

Order in box quantity of 25

■ T8 TRIPHOSPHOR

Part No	Watts	Length	Rated Average Life (Hr)
GEF15WT8***POLYLUX	15	451mm	15,000
GEF18WT8***POLYLUX	18	604mm	15,000
GEF30WT8***POLYLUX	30	908mm	15,000
GEF36WT8***POLYLUX	36	1213mm	15,000
GEF58WT8***POLYLUX	58	1514mm	15,000
GEF70WT8***POLYLUX*	70	1778mm	15,000

Order in box quantity of 25

*Not available in 860

Triphosphor Colour Selection Chart (***)
830 Warm White, 835 White, 840 Cool White, 860 Daylight [T8], 865 Daylight [T5]

Compact Fluorescent Lamps

■ BIAX™ L LONGLAST™ 4-PIN, EXTERNAL STARTER REQUIRED

Part No	Watts	Colour	Cap
GEF18BX835	18	835	2G11
GEF18BX840	18	840	2G11
GEF24BX835	24	835	2G11
GEF24BX840	24	840	2G11
GEF36BX835	36	835	2G11
GEF36BX840	36	840	2G11
GEF40BX835	40	835	2G11
GEF40BX840	40	840	2G11
GEF55BX835	55	835	2G11
GEF55BX840	55	840	2G11
GEF80BX835	80	835	2G11
GEF80BX840	80	840	2G11

■ 2D™ WATT-MISER™

Part No	Watts	Colour	Cap
GEF162D835	16	835	GR8
GEF162D8354P	16	835	GR10q
GEF282DT58354P	28	835	GR10q
GEF282DT58404P	28	840	GR10q
GEF382DT58354P	38	835	GR10q

■ DOUBLE ENDED LINEAR HALOGEN

Part No	Watts	Volts
GEK12C100W240VR7S	100	240
GEK11C130W240VR7S	130	240
GEK9C200W240VR7S	200	240
GEK1C330W240VR7S	330	240

■ ENERGY EFFICIENT HALO GLS

Exactly the same size and appearance as a standard lamp, low energy usage and dimmable

Part No	Watts	Cap
GE30WHALOACLE27240V	30	ES
GEF42WHALOACLE27240V	42	ES
GEF53WHALOACLE27240V	53	ES
GEF70WHALOACLE27240V	70	ES
GEF100WHALOACLE27240V	100	ES
GEF30WHALOACLB22240V	30	BC
GEF42WHALOACLB22240V	42	BC
GE53WHALOACLB22240V	53	BC
GE70WHALOACLB22240V	70	BC
GE100WHALOACLB22240V	100	BC

Industrial Controls

Electrical Installation

Lighting

GLASS **GG** GUARD

Safer Lighting Solutions

GlassGuard® produces Europe's widest range of fragment retention lamps, providing a solution for all businesses and organisations wishing to minimise the risk of glass contamination or injury from accidental lamp breakages.

GlassGuard BlackBand® fragment retention lamps have an external coating applied to them so in the event of accidental breakage, the coating will retain all the glass particles safely, thus ensuring adequate protection.

GlassGuard BlackBand® is manufactured in compliance with BS EN 61549, providing a guaranteed level of protection and are identifiable by the BlackBand® ring marking at one end of the lamp.

GlassGuard BlackBand® Coated T5 Standard Fluorescent Lamps

Part No	Length	Watts	Colour
GG1484S	563mm	14	840 Cool White
GG14835S	563mm	14	835 White
GG14865S	563mm	14	865 Cool Daylight
GG2884S	1163mm	28	840 Cool White
GG28835S	1163mm	28	835 White
GG28865S	1163mm	28	865 Cool Daylight
GG5484S	1163mm	54	840 Cool White
GG54835S	1163mm	54	835 White
GG54865S	1163mm	54	865 Cool Daylight
GG3584S	1463mm	35	840 Cool White
GG35835S	1463mm	35	835 White
GG35865S	1463mm	35	865 Cool Daylight
GG4984S	1463mm	49	840 Cool White
GG49835S	1463mm	49	835 White
GG49865S	1463mm	49	865 Cool Daylight
GG8084S	1463mm	80	840 Cool White
GG80835S	1463mm	80	835 White
GG80865S	1463mm	80	865 Cool Daylight

GlassGuard BlackBand® Coated T8 Standard Fluorescent Lamps

Part No	Length	Watts	Colour
GG1884S	600mm	18	840 Cool White
GG18835S	600mm	18	835 White
GG18865S	600mm	18	865 Cool Daylight
GG3684S	1200mm	36	840 Cool White
GG36835S	1200mm	36	835 White
GG36865S	1200mm	36	865 Cool Daylight
GG5884S	1500mm	58	840 Cool White
GG58835S	1500mm	58	835 White
GG58865S	1500mm	58	865 Cool Daylight
GG7084S	1800mm	70	840 Cool White
GG70835S	1800mm	70	835 White
GG70865S	1800mm	70	865 Cool Daylight

TECHNICAL PAGES

Fuse Comparison Chart

BS88 REF	MEM	GE/ LAWSON	MERSEN/ FERRAZ	BUSSMAN
	2SA2	NIT2	BNIT55V2	NITD2
	4SA2	NIT4	BNIT55V4	NITD4
	6SA2	NIT6	BNIT55V6	NITD6
	10SA2	NIT10	BNIT55V10	NITD10
A1				
	16SA2	NIT16	BNIT55V16	NITD16
	20SA2	NIT20	BNIT55V20	NITD20
	20SA2M25	NIT20M25	BNIT55V20M25	NITD20M25
	20SA2M32	NIT20M32	BNIT55V20M32	NITD20M32
	25SA2	NIT25	BNIT55V25	NITD25
	32SA2	NIT32	BNIT55V32	NITD32
	32SA2M40	NIJ32M40		NITD32M40
	32SA2M50	NIJ32M50		NITD32M50
	32SA2M63	NIJ32M63		NITD32M63
	2SB3	TIA2	BTIA55V2	AAO2
	4SB3	TIA4	BTIA55V4	AAO4
	6SB3	TIA6	BTIA55V6	AAO6
	10SB3	TIA10	BTIA55V10	AAO10
	16SB3	TIA16	BTIA55V16	AAO16
A2	20SB3	TIA20	BTIA55V20	AAO20
	25SB3	TIA25	BTIA55V25	AAO25
	32SB3	TIA32	BTIA55V32	AAO32
	32SB3M40	TIA32M40	BTIA55V432M40	AAO32M40
	32SB3M50	TIA32M50	BTIA55V32M50	AAO32M50
	32SB3M63	TIA32M63	BTIA55V32M63	AAO32M63
	32SB4	TIS35	BTIS42V36	
	40SB4	TIS40	BTIS42V40	BAO40
	50SB4	TIS50	BTIS42V50	BAO50
A3				
	63SB4	TIS63	BTIS42V63	BAO63
	63SB4M80	TIS63M80	BTIS42V80	BAO63M80
	63SB4M100	TIS63M100	BTIS42V100	BAO63M100
	80SO	OS80/TIS80	BTIS42V80	OSD80
	100SO	OS100/TIS100	BTIS42V100	OSD100
	100SOM125	OS100M125	BTIS42V125	OSD100M125
	100SOM160		BTIS42V100M160	OSD100M160
	80SD5	TCP80	BTCP42V80	CEO80
	100SD5	TCP100	BTCP42V100	CEO100
A4	100SD5M125	TCP100M125	BTCP42V100M125	CEO100M125
	100SD5M160	TCP100M160	BTCP42V100M160	CEO100M160
	100SD5M200	TCP100M200	BTCP42V100M200	CEO100M200
	125SD6	TFP125	BTFP42V125	DEO125
	160SD6	TFP160	BTFP42V160	DEO160
	200SD6	TFP200	BTFP42V200	DEO200
	200SD6M250	TFP200M250	BTFP42V200M250	DEO200M250
	200SD6M315	TFP200M315	BTFP42V200M315	

BS88 REF	MEM	GE/ LAWSON	MERSEN/ FERRAZ	BUSSMAN
B1	80SF5	TC80	BTC42V80	CD80
	100SF5	TC100	BTC42V100	CD100
	100SF5M125	TC100M125	BTC42V100M125	CD100M125
	100SF5M160	TC100M160	BTC42V100M160	CD100M160
	100SF5M200	TC100M200	BTC42V100M200	CD100M200
	125SF6	TF125	BTF42V125	DD125
	160SF6	TF160	BTF42V160	DD160
B2	200SF6	TF200	BTF42V200	DD200
	200SF6M250	TF200M250	BTF42V200M250	DD200M50
	200SF6M315	TF200M315	BTF42V200M315	
	250SF7	TKF250	BTKF42V250	ED250
B3	315SF7	TKF315	BTKF42V315	ED315
	315SF7M400		BTKF42V315M400	
	250SG7	TKM250	BTKM42V250	EFS250
	315SG7	TKM315	BTK42V315	EFS315
	355SF8	TMF355	BTMF42V355	ED355
B4				
	400SF8	TMF400	BTMF42V400	ED400
	355SH8	TM355	BTM42V355	EF355
C1				
	400SH8	TM400	BTM42V400	EF400
	450SH9	TTM450	BTTM42V450	FF450
	500SH9	TTM500	BTTM42V500	FF500
C2				
	560SH9	TTM560	BTTM42V560	GF550
	630SH9	TTM630	BTTM42V630	GF630
	710SH10	TLM710	BTLM42V710	GF710
	800SH10	TLM800	BTLM42V800	GF800
	1000SJ11	TXU1000	No Equiv	GH1000
D1				
	125OSJ11	TXU1250		GH1250
	2SN2	NS2	BNS55V2	NSD2
	4SN2	NS4	BNS55V4	NSD4
	6SN2	NS6	BNS55V6	NSD6
	10SN2	NS10	BNS55V10	NSD10
	16SN2	NS16	BNS55V16	NSD16
	20SN2	NS20	BNS55V20	NSD20
F1	20SN2M25	NS20M25	BNS55V20M25	NSD20M25
	20SN2M32	NS20M32	BNS55V20M32	NSD20M32
	25SN2	NS25	BNS55V25	NSD25
	32SN2	NS32	BNS55V32	NSD32
	32SN2M40	NS32M40	BNS42V32M40*	NSD32M40
	32SN2M50	NS32M50	BNS42V32M50*	NSD32M50
	32SN2M63	NS32M63	BNS42V32M63*	NSD32M63

Fuse Comparison Chart

MEM	GE	Equivalents Hawker/Bussmann	Dorman
154R	RHF15	15KR85	–
204R	RHF20	20KR85	–
304R	RHF30	30KR85	RHD30
404R	RHF40	40KR85	RHD40
454R	–	45KR85	–
504R	RHF50	50KR85	RHD50

MEM	GE	Equivalents Hawker/Bussmann	Dorman
604R	RHF60	60KR85	RHD60
804R	RHF80	80KR85	RHD80
1004R	–	100KR85	–
604RL	RHL60	60LR85	RHLD60
804RL	RHL80	80LR85	RHLD80
1004RL	RHL100	100LR85	RHLD100

Colour Code	MEM	Equivalents GE	Dorman
White	5LC	D55	DSD5
Black	1505LC	–	–
Black	3006LC	–	–
Black	1510LC	–	–
Black	3010LC	–	–
Blue	15LC	D1515	DSD15
Black	3016LC	–	–

Colour Code	MEM	Equivalents GE	Dorman
Yellow	20LC	D1520	DSD20
Black	3020LC	–	–
Black	3025LC	–	–
Red	30LC	D3030	DSD30
Black	35LCS	–	–
Black	40LCS	–	–
Green	45LCS	D4545	DSD45

Rating IE	MEM Exel 2 Switchfuses	Fuse Switchgear Glasgow Fuse Fuse-Switches	Fuse Carriers Dorman
10A	–	–	10SA2
20A	20SA2	–	20SA2
32A	32SB3	–	32SB3
63A	63SB4	63SB4	63SB4
100A	100SD5	100SD5	100SD5
125A	125SD6	–	–
160A	–	160SF6	–

Rating IE	MEM Exel 2 Switchfuses	Fuse Switchgear Glasgow Fuse Fuse-Switches	Fuse Carriers Dorman
200A	–	200SF6	–
315A	–	315SF7	–
400A	–	400SFB	–
500A	–	500SH9	–
630A	–	630SH9	–
800A	–	800SH10	–

SWA Cables – Current Carrying Capacities (Amps)

CONDUCTOR CROSS SECTIONAL AREA	Reference Method (clipped direct)		Reference Method (on a perforated horizontal or vertical tray)	
	1 two core cable single phase AC or DC	1 three or four core cable three phase AC	1 two core cable single phase AC or DC	1 three or four core cable three phase AC
mm²	Amps	Amps	Amps	Amps
1.5	21	18	22	19
2.5	28	25	31	26
4	38	33	41	35
6	49	42	53	45
10	67	58	72	62
16	89	77	97	83
25	118	102	128	110
35	145	125	157	135
50	175	151	190	163
70	222	192	241	207
95	269	231	291	251
120	310	267	336	290
150	356	306	386	332
185	405	348	439	378
240	476	409	516	445
300	547	469	592	510
400	621	540	683	590

Warning:

Current ratings are dependent on the type of installation and those shown are for guidance only. For precise cable ratings for a particular installation refer to the current edition of the IEE wiring regulations. BS6346 Ambient temperature 30°C. Conductor operating temperature 70°C.

No liability is accepted for this data which is given for guidance only.

Industrial Controls

Electrical Installation

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Cable Gland Sizing Chart – XLPE/PVC/SWA

CONDUCTOR SIZE	NO. OF CORES	APPROX OVERALL DIAMETER	BW	CW	CONDUCTOR SIZE	NO. OF CORES	APPROX OVERALL DIAMETER	BW	CW
1.5	2	12.3	20S	20/16	25	2	24.1	25	25
	3	12.8				3	26.7	32	32
	4	14		20S		4	28.9		
	5	14.2				5	31.0		
	6	15.2			35	2	27.9	32	32
	7	15.6				3	29.9		
2.5	2	13.6	20S	20S		4	32.1		
	3	13.6				5	35.0	40	40
	4	14.7	20	20	50	2	25.8	25	25
	5	16.3				3	28.5	32	32
	6	17.1				4	32.0		
	7	17.6				5	40.0	40	50S
4.0	2	14.7	20	20S	70	2	29.0	32	32
	3	15.3				3	32.2		
	4	16.4		20		4	37.7	40	40
	5	18.9				5	43.3	50S	50S
6.0	2	15.9	20	20	95	2	33.1	32	32
	3	16.6				3	37.0	40	40
	4	18.7				4	41.7	50S	50S
	5	20.5	25			5	52.0	50	50
10	2	18.0	20	20	120	2	36.1	40	40
	3	18.9				3	40.4		
	4	20.3	25			4	47.1	50	50
	5	22.0		25	150	2	39.3	40	40
16	2	20.0	25	25		3	45.5	50	50
	3	21.2				4	51.4		
	4	22.9							
	5	28.1	32	32					

Due to cable diameter variances between manufacturers, we strongly advise the cable diameter is checked where possible before purchasing.

Cable Cleat Sizing Chart – XLPE/PVC/SWA

CONDUCTOR SIZE	NO. OF CORES	CLEAT SIZE	CONDUCTOR SIZE	NO. OF CORES	CLEAT SIZE
1.5	2	C5	6.0	2	C7
	3	C6		3	C7
	4	C6		4	C8
	5	C6	10	2	C8
	7	C6		3	C8
	10	C8		4	C9
	12	C8	16	2	C8
	19	C9		3	C9
	27	C10		4	C10
	37	C12	25	2	C10
2.5	2	C6		3	C12
	3	C6		4	C12
	4	C6	35	2	C12
	5	C7		3	C12
	7	C7		4	C14
	10	C9	50	2	C11
	12	C9		3	C12
	19	C10		4	C14
	27	C12	70	2	C12
	37	C14		3	C14
4.0	2	C6		4	C16
	3	C7	95	2	C14
	4	C7		3	C16
	5	C8		4	C18
	7	C8	120	2	C16
	10	C10		3	C16
	12	C11		4	C20
	19	C12			
	27	C16			

Due to cable diameter variances between manufacturers, the above information is for guidance only.

Industrial Controls

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Current of asynchronous squirrel cage motors at nominal load

3-Phase 4-Pole Motors					3-Phase 4-Pole Motors				
Current values for power in kW					Current values for power in kW				
Rated operational power (1)	Indicative rated operational current values at:				Rated operational power (1)	Indicative rated operational current values at:			
kW	230V A	400V A	500V A	609V A	kW	230V A	400V A	500V A	609V A
0.06	0.35	0.2	0.16	0.12	37	115	66	53	39
0.09	0.52	0.3	0.24	0.17	45	140	80	64	47
0.12	0.7	0.44	0.32	0.23	55	169	97	78	57
0.18	1	0.6	0.48	0.35	75	230	132	106	77
0.25	1.5	0.85	0.68	0.49	90	278	160	128	93
0.37	1.9	1.1	0.88	0.64	110	340	195	156	113
0.55	2.6	1.5	1.2	0.87	132	400	230	184	134
0.75	3.3	1.9	1.5	1.1	160	487	280	224	162
1.1	4.7	2.7	2.2	1.6	200	609	350	280	203
1.5	6.3	3.6	2.9	2.1	250	748	430	344	250
2.2	8.5	4.9	3.9	2.8	315	940	540	432	313
3	11.3	6.5	5.2	3.8	355	1061	610	488	354
4	15	8.5	6.8	4.9	400	1200	690	552	400
5.5	20	11.5	9.2	6.7	500	1478	850	680	493
7.5	27	15.5	12.4	8.9	560	1652	950	760	551
11	38	22	17.6	12.8	630	1844	1060	848	615
15	51	29	23	17	710	2070	1190	952	690
18.5	61	35	28	21	800	2340	1346	1076	780
22	72	41	33	24	900	2640	1518	1214	880
30	96	55	44	32	1000	2910	1673	1339	970

(1) Values conforming to standard IEC 60072-1 (at 50 Hz)
Values are given as a guide only and may vary depending on type of motor, its polarity and the manufacturer.

No liability is accepted for this data which is given for guidance only.

Notes

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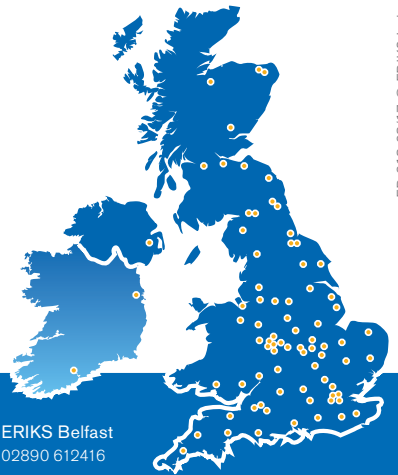Electrical Installation

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