

# GLOELEC

connecting with you



# INTRODUCTION

GLOELEC was established in Port Elizabeth in January 2006. Since then GLOELEC has grown with the opening of the George Branch in July 2006, Cape Town in August 2007 and finally East London Branch in September 2008, providing coverage of the electrical market throughout the coastal region.

Our focus is the sourcing and supply of quality approved electrical products and solutions. GLOELEC has developed over the years into an established key provider of quality leading branded products in the Installation and Industrial Switchgear markets, providing not only consistent delivery of service and supply, but practical information and solutions to meet customers' ever changing requirements.

Our key strategical alliances with innovative suppliers, who continuously improve and invest in new product development, ensure that our customers benefit from the latest cutting-edge technologies and practical innovations and solutions. Our commitment to compliance to SANS and the South African Wiring Code are fundamental principles and are applied across the product ranges.

Our strategical objective is a long term view of business and therefore recognise that repeat business is crucial to sustainability. Consequently there is a large focus on our after sales service where our technical salesmen actively visit and provide valuable post-fitment service for products and provide back up support to our customers.

We take great pleasure in the introduction of this - our 5th edition catalogue. A colour coded category selection page is provided overleaf as well as a full index listing on **pages 205-208** for ease of use. For your convenience this catalogue is now available online at [www.gloelecportal.co.za](http://www.gloelecportal.co.za). In addition to this, our new Matrix wiring accessories and O-Lite energy saving products are available as separate comprehensive product catalogues on request.

We take this opportunity to thank our valued customers for their on-going support. To our prospective new customers we trust that you will see the long term benefits our existing customers are enjoying and make the CONNECTION with GLOELEC Distributors.

## CLARIFICATION OF COMPANY COMPLIANCE STANDARDS & APPOINTED LEGAL INSTITUTIONS

GLOELEC Distributors is committed to the supply of Safe, Compliant and Quality products.

Every effort is made to comply with SANS 10142. The wiring code, as per amendment 1 of January 2003, a Regulatory Certificate of Compliance (RCC) is issued by the regulator.

In this case the regulator is defined as the N.R.C.S. (National Regulatory Compliance Standard). If a product is acceptable to the regulator, a R.C.C. will be issued for that product and no further certification, testing or marking is required.

The term "acceptable" is defined in clause 3.1 of the wiring code as, acceptable to the regulator. Compliance through N.R.C.S. would require testing at a facility such as N.E.T.F.A. (National Electrical Test Facility). N.E.T.F.A. is a testing facility within the Electro-Technical Cluster of S.A.B.S. Commercial. This facility consists of three(3) specialized laboratories namely – Short Circuit, High Voltage and Materials Installations accredited to ISO 17025:2005 by SANAS.

N.R.C.S. certification is the compliancy standard for South Africa, in addition a company may apply for the S.A.B.S. mark as a matter of choice should they so wish.

Whenever a compulsory standard exists, compliance to the standard is regulated by the N.R.C.S. and a product will not obtain a R.C.C. if it does not conform to the relevant compulsory standard.

Because SANS 10142 is continually updated, problems can arise on which version of the standard will be applicable. Under the circumstances whenever practical, products will be certified in order to comply with the relevant standards and changes to standards.

Should any conflicting information or queries arise with regard to products in this catalogue from other sources please contact your local GLOELEC Branch or alternatively your local N.R.C.S. Inspectorate for clarification.

We trust the information supplied will help to assist you, our valued client.

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# CIRCUIT BREAKERS



## CONNECT2PROTECT

### COMPLIANCY SPECIFICATIONS

SABS Approved - SABS in accordance to IEC 60947-2, 1008-1, VC 8036 - Manufactured to IEC Standards - NRCS Registered - RCC Certified  
Cascading Capabilities - New & Retrofit - All sizes - Adaptor Plates to Suit - Full range of Accessories - DIN, Large Frame & Mini-Rail Formats  
Air Circuit Breakers up to 5000A

**ONESTO**<sup>®</sup>  
CIRCUIT BREAKERS

**SCHENKER**<sup>®</sup>  
MINI RAIL CIRCUIT BREAKERS

**HYUNDAI**  
ELECTRIC

## ONESTO - CIRCUIT BREAKERS

- MINIATURE CIRCUIT BREAKERS
- CURVE "C" GL1 SERIES DIN
- 3 kA
- 1, 2, 3 & 4 POLE
- 1 POLE + NEUTRAL

- **SABS in accordance to IEC 60947-2**
- **Voltage rating 240/415VAC - 50/60Hz**
- **RCC Certificate No: 0903194; 0909025**
- **Suitable for Domestic and Commercial Installations**
- **For protection and control of circuits against short circuits and overload**

PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE	PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE
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### SINGLE POLE

GL1 C1001	1 Amp	3 kA
GL1 C1002	2 Amp	3 kA
GL1 C1003	3 Amp	3 kA
GL1 C1004	4 Amp	3 kA
GL1 C1006	6 Amp	3 kA
GL1 C1010	10 Amp	3 kA
GL1 C1016	16 Amp	3 kA
GL1 C1020	20 Amp	3 kA
GL1 C1025	25 Amp	3 kA
GL1 C1032	32 Amp	3 kA
GL1 C1040	40 Amp	3 kA
GL1 C1050	50 Amp	3 kA
GL1 C1063	63 Amp	3 kA

CARTON QTY: 12

### DOUBLE POLE

GL1 C2001	1 Amp	3 kA
GL1 C2002	2 Amp	3 kA
GL1 C2003	3 Amp	3 kA
GL1 C2004	4 Amp	3 kA
GL1 C2006	6 Amp	3 kA
GL1 C2010	10 Amp	3 kA
GL1 C2016	16 Amp	3 kA
GL1 C2020	20 Amp	3 kA
GL1 C2025	25 Amp	3 kA
GL1 C2032	32 Amp	3 kA
GL1 C2040	40 Amp	3 kA
GL1 C2050	50 Amp	3 kA
GL1 C2063	63 Amp	3 kA

CARTON QTY: 6

PART NUMBER	CURRENT RATING	kA RATING
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### TRIPLE POLE

GL1 C3001	1 Amp	3 kA
GL1 C3002	2 Amp	3 kA
GL1 C3003	3 Amp	3 kA
GL1 C3004	4 Amp	3 kA
GL1 C3006	6 Amp	3 kA
GL1 C3010	10 Amp	3 kA
GL1 C3016	16 Amp	3 kA
GL1 C3020	20 Amp	3 kA
GL1 C3025	25 Amp	3 kA
GL1 C3032	32 Amp	3 kA
GL1 C3040	40 Amp	3 kA
GL1 C3050	50 Amp	3 kA
GL1 C3063	63 Amp	3 kA

CARTON QTY: 4

### FOUR POLE

GL1 C4001	1 Amp	3 kA
GL1 C4002	2 Amp	3 kA
GL1 C4003	3 Amp	3 kA
GL1 C4004	4 Amp	3 kA
GL1 C4006	6 Amp	3 kA
GL1 C4010	10 Amp	3 kA
GL1 C4016	16 Amp	3 kA
GL1 C4020	20 Amp	3 kA
GL1 C4025	25 Amp	3 kA
GL1 C4032	32 Amp	3 kA
GL1 C4040	40 Amp	3 kA
GL1 C4050	50 Amp	3 kA
GL1 C4063	63 Amp	3 kA

CARTON QTY: 3

PART NUMBER	CURRENT RATING	kA RATING	DESCRIPTION	LIST PRICE
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### 1 POLE + NEUTRAL

GL1 C2006N	6 Amp	4.5 kA	Single Pole + Neutral
GL1 C2010N	10 Amp	4.5 kA	Single Pole + Neutral
GL1 C2016N	16 Amp	4.5 kA	Single Pole + Neutral
GL1 C2020N	20 Amp	4.5 kA	Single Pole + Neutral
GL1 C2025N	25 Amp	4.5 kA	Single Pole + Neutral
GL1 C2032N	32 Amp	4.5 kA	Single Pole + Neutral



## ONESTO - CIRCUIT BREAKERS

- MINIATURE CIRCUIT BREAKERS
- CURVE "C" GL1 SERIES DIN
- 6kA
- 1, 2, 3 & 4 POLE

- **SABS in accordance to IEC 60947-2**
- **Voltage rating 240/415VAC - 50/60Hz**
- **RCC Certificate No: 0903195; 0904209**
- **Suitable for Domestic and Commercial Installations**
- **For protection and control of circuits against short circuits and overload**

PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE	PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE
<b>SINGLE POLE</b>				<b>DOUBLE POLE</b>			
GL1 6C1001	1 Amp	6 kA		GL1 6C2001	1 Amp	6 kA	
GL1 6C1002	2 Amp	6 kA		GL1 6C2002	2 Amp	6 kA	
GL1 6C1003	3 Amp	6 kA		GL1 6C2003	3 Amp	6 kA	
GL1 6C1004	4 Amp	6 kA		GL1 6C2004	4 Amp	6 kA	
GL1 6C1006	6 Amp	6 kA		GL1 6C2006	6 Amp	6 kA	
GL1 6C1010	10 Amp	6 kA		GL1 6C2010	10 Amp	6 kA	
GL1 6C1016	16 Amp	6 kA		GL1 6C2016	16 Amp	6 kA	
GL1 6C1020	20 Amp	6 kA		GL1 6C2020	20 Amp	6 kA	
GL1 6C1025	25 Amp	6 kA		GL1 6C2025	25 Amp	6 kA	
GL1 6C1032	32 Amp	6 kA		GL1 6C2032	32 Amp	6 kA	
GL1 6C1040	40 Amp	6 kA		GL1 6C2040	40 Amp	6 kA	
GL1 6C1050	50 Amp	6 kA		GL1 6C2050	50 Amp	6 kA	
GL1 6C1063	63 Amp	6 kA		GL1 6C2063	63 Amp	6 kA	
<b>CARTON QTY: 12</b>				<b>CARTON QTY: 6</b>			
<b>TRIPLE POLE</b>				<b>FOUR POLE</b>			
GL1 6C3001	1 Amp	6 kA		GL1 6C4001	1 Amp	6 kA	
GL1 6C3002	2 Amp	6 kA		GL1 6C4002	2 Amp	6 kA	
GL1 6C3003	3 Amp	6 kA		GL1 6C4003	3 Amp	6 kA	
GL1 6C3004	4 Amp	6 kA		GL1 6C4004	4 Amp	6 kA	
GL1 6C3006	6 Amp	6 kA		GL1 6C4006	6 Amp	6 kA	
GL1 6C3010	10 Amp	6 kA		GL1 6C4010	10 Amp	6 kA	
GL1 6C3016	16 Amp	6 kA		GL1 6C4016	16 Amp	6 kA	
GL1 6C3020	20 Amp	6 kA		GL1 6C4020	20 Amp	6 kA	
GL1 6C3025	25 Amp	6 kA		GL1 6C4025	25 Amp	6 kA	
GL1 6C3032	32 Amp	6 kA		GL1 6C4032	32 Amp	6 kA	
GL1 6C3040	40 Amp	6 kA		GL1 6C4040	40 Amp	6 kA	
GL1 6C3050	50 Amp	6 kA		GL1 6C4050	50 Amp	6 kA	
GL1 6C3063	63 Amp	6 kA		GL1 6C4063	63 Amp	6 kA	
<b>CARTON QTY: 4</b>				<b>CARTON QTY: 3</b>			

# ONESTO - CIRCUIT BREAKERS

- MINIATURE CIRCUIT BREAKERS
- CURVE "D" GL1 SERIES DIN
- 10kA
- 1, 2, 3 & 4 POLE

- **SABS in accordance to IEC 60947-2**
- **Voltage rating 240/415VAC - 50/60Hz**
- **RCC Certificate No: 0903197; 0904209**
- **Suitable for Domestic and Commercial Installations**
- **For protection and control of circuits against short circuits and overload**

PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE	PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE
<b>SINGLE POLE</b>				<b>DOUBLE POLE</b>			
GL1 10C1001	1 Amp	10 kA		GL1 10C2001	1 Amp	10 kA	
GL1 10C1002	2 Amp	10 kA		GL1 10C2002	2 Amp	10 kA	
GL1 10C1003	3 Amp	10 kA		GL1 10C2003	3 Amp	10 kA	
GL1 10C1004	4 Amp	10 kA		GL1 10C2004	4 Amp	10 kA	
GL1 10C1006	6 Amp	10 kA		GL1 10C2006	6 Amp	10 kA	
GL1 10C1010	10 Amp	10 kA		GL1 10C2010	10 Amp	10 kA	
GL1 10C1016	16 Amp	10 kA		GL1 10C2016	16 Amp	10 kA	
GL1 10C1020	20 Amp	10 kA		GL1 10C2020	20 Amp	10 kA	
GL1 10C1025	25 Amp	10 kA		GL1 10C2025	25 Amp	10 kA	
GL1 10C1032	32 Amp	10 kA		GL1 10C2032	32 Amp	10 kA	
GL1 10C1040	40 Amp	10 kA		GL1 10C2040	40 Amp	10 kA	
GL1 10C1050	50 Amp	10 kA		GL1 10C2050	50 Amp	10 kA	
GL1 10C1063	63 Amp	10 kA		GL1 10C2063	63 Amp	10 kA	
GL1 10C1080	80 Amp	10 kA		GL1 10C2080	80 Amp	10 kA	
GL1 10C1100	100 Amp	10 kA		GL1 10C2100	100 Amp	10 kA	
GL1 10C1125	125 Amp	10 kA		GL1 10C2125	125 Amp	10 kA	
<b>CARTON QTY: 12</b>				<b>CARTON QTY: 6</b>			
<b>TRIPLE POLE</b>				<b>FOUR POLE</b>			
GL1 10C3001	1 Amp	10 kA		GL1 10C4001	1 Amp	10 kA	
GL1 10C3002	2 Amp	10 kA		GL1 10C4002	2 Amp	10 kA	
GL1 10C3003	3 Amp	10 kA		GL1 10C4003	3 Amp	10 kA	
GL1 10C3004	4 Amp	10 kA		GL1 10C4004	4 Amp	10 kA	
GL1 10C3006	6 Amp	10 kA		GL1 10C4006	6 Amp	10 kA	
GL1 10C3010	10 Amp	10 kA		GL1 10C4010	10 Amp	10 kA	
GL1 10C3016	16 Amp	10 kA		GL1 10C4016	16 Amp	10 kA	
GL1 10C3020	20 Amp	10 kA		GL1 10C4020	20 Amp	10 kA	
GL1 10C3025	25 Amp	10 kA		GL1 10C4025	25 Amp	10 kA	
GL1 10C3032	32 Amp	10 kA		GL1 10C4032	32 Amp	10 kA	
GL1 10C3040	40 Amp	10 kA		GL1 10C4040	40 Amp	10 kA	
GL1 10C3050	50 Amp	10 kA		GL1 10C4050	50 Amp	10 kA	
GL1 10C3063	63 Amp	10 kA		GL1 10C4063	63 Amp	10 kA	
GL1 10C3080	80 Amp	10 kA					
GL1 10C3100	100 Amp	10 kA					
GL1 10C3125	125 Amp	10 kA					
<b>CARTON QTY: 4</b>				<b>CARTON QTY: 3</b>			

- GL1 SERIES
- DIN RAIL
- 1, 2, 3 & 4 POLE

- **SABS in accordance to IEC 60947-2**
- **Voltage rating: 240/415V - 50/60Hz**
- **RCC Certificate No: 0910040**
- **Suitable for Domestic, Commercial & Industrial Installations**



PART NUMBER	CURRENT RATING	POLES	DESCRIPTION	LIST PRICE
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### 1 POLE ISOLATORS

GL1 I 1032	32 Amp	1 Pole	Isolator Switch	
GL1 I 1063	63 Amp	1 Pole	Isolator Switch	
GL1 I 1080	80 Amp	1 Pole	Isolator Switch	
GL1 I 1100	100 Amp	1 Pole	Isolator Switch	
GL1 I 1125	125 Amp	1 Pole	Isolator Switch	

**CARTON QTY: 12**

### 2 POLE ISOLATORS

GL1 I 2032	32 Amp	2 Pole	Isolator Switch	
GL1 I 2032SB	32 Amp	2 Pole	Isolator Switch - Single Body	
GL1 I 2063	63 Amp	2 Pole	Isolator Switch	
GL1 I 2080	80 Amp	2 Pole	Isolator Switch	
GL1 I 2100	100 Amp	2 Pole	Isolator Switch	
GL1 I 2125	125 Amp	2 Pole	Isolator Switch	

**CARTON QTY: 6**

### 3 POLE ISOLATORS

GL1 I 3032	32 Amp	3 Pole	Isolator Switch	
GL1 I 3032SB	32 Amp	3 Pole	Isolator Switch - Single Body	
GL1 I 3063	63 Amp	3 Pole	Isolator Switch	
GL1 I 3080	80 Amp	3 Pole	Isolator Switch	
GL1 I 3100	100 Amp	3 Pole	Isolator Switch	
GL1 I 3125	125 Amp	3 Pole	Isolator Switch	

**CARTON QTY: 4**

### 4 POLE ISOLATORS

GL1 I 4032	32 Amp	4 Pole	Isolator Switch	
GL1 I 4063	63 Amp	4 Pole	Isolator Switch	
GL1 I 4080	80 Amp	4 Pole	Isolator Switch	
GL1 I 4100	100 Amp	4 Pole	Isolator Switch	
GL1 I 4125	125 Amp	4 Pole	Isolator Switch	

**CARTON QTY: 3**

## ONESTO - EARTH LEAKAGES

- GL1 SERIES DIN - SINGLE & THREE PHASE
- EARTH LEAKAGE (30mA)
- Kw HOUR METERS
- THERMOSTATS



- **SABS in accordance to IEC 60947-2 / IEC 1008-1**
- **Voltage rating for 2 Pole: 110/240V - 50Hz - For 4 Pole: 240/415V - 50Hz**
- **RCC Certificate No: Earth Leakages - 09319**
- **Suitable for Domestic, Commercial & Industrial Installations**
- **Application: To automatically open a circuit in the event of an Earth Leakage Fault**

PART NUMBER	OVERLOAD RATING (A)	SENSITIVITY (mA)	POLES	DESCRIPTION	LIST PRICE
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### 1P + NEUTRAL EARTH LEAKAGE - (NO OVERLOAD)

GL1 EI2025	25 A	30 mA	2 Pole	Earth Leakage Device	
GL1 EI2040	40 A	30 mA	2 Pole	Earth Leakage Device	
GL1 EI2063	63 A	30 mA	2 Pole	Earth Leakage Device	
GL1 EI2080	80 A	30 mA	2 Pole	Earth Leakage Device	

### 3P + NEUTRAL EARTH LEAKAGE - (NO OVERLOAD)

GL1 EI4025	25 A	30 mA	4 Pole	Earth Leakage Device	
GL1 EI4040	40 A	30 mA	4 Pole	Earth Leakage Device	
GL1 EI4063	63 A	30 mA	4 Pole	Earth Leakage Device	
GL1 EI4080	80 A	30 mA	4 Pole	Earth Leakage Device	

\*SPECIFICATION SHEET & DIMENSIONS - REFER PAGE 195

PART NUMBER	DESCRIPTION	Hz	AMPS	DIMENSIONS (H) x (W) x (D)	LIST PRICE
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### Kw HOUR METERS

GL1 DEM0155	1 Phase 230VAC	50Hz Digital	10 (63) A	90 x 35 x 65	
GL1 CMCE011	1 Phase 230VAC	50Hz	10 (100) A	88 x 75 x 75	
GL1 CMCE021	3 Phase 400VAC	50Hz	10 (100) A	88 x 125 x 75	

PART NUMBER	CONTACTS	DIAL COLOUR	SWITCH CAPACITY	LIST PRICE
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### MECHANICAL BI-METAL THERMOSTATS

GL1 JWT6011F	1 N/O	Blue Dial	10 (2) A-250VAC	
GL1 JWT6011R	1 N/C	Red Dial	10 (2) A-250VAC	
GL1 JWT6012	1 N/O + 1 N/C	Blue + Red Dial	10 (2) A-250VAC	

- **GL1 JWT6011 - Dimensions: 60 x 33 x 43 mm**
- **GL1 JWT6012 - Dimensions: 67 x 50 x 46 mm**
- **Adjustable Temperature Range 0 - 60° C (± 3° K)**
- **Suitable for regulating Heaters, Fans, Heat Exchangers and Signaling Devices**
- **35mm DIN Rail Mountable**
- **IP20 rating**



- SURGE ARRESTORS
- CONTACTORS
- AUXILIARIES
- LOAD SHED RELAY

- **DIN Rail circuit breaker accessories**
- **Suitable for use with Onesto range of MCB's**
- **Surge Arrestors**



PART NUMBER	DESCRIPTION	LIST PRICE
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### SURGE ARRESTORS - WITH INDICATION WINDOW

GL1 CBY1D	5 kA /10kA	Uc 320V
GL1 CBY1C	20kA /40kA	Uc 320V
GL1 CBY1B	40kA /80kA	Uc 320V
GL1 CBY1DRC	5 kA /10kA	Replacement Cartridge

### MODULAR DIN RAIL CONTACTORS - FOR LIGHTING APPLICATIONS ONLY

GL1 MC220	2 Pole - 20 Amp	230V
GL1 MC424	4 Pole - 24 Amp	230 / 415V
GL1 MC440	4 Pole - 40 Amp	230 / 415V
GL1 MC463	4 Pole - 63 Amp	230 / 415V

### AUXILIARY SIDE MOUNT CONTACTS FOR 6kA & 10kA RANGES

GL1 F311	1 N/O + 1 N/C
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**\*Not for 3kA Range**

### SHUNT TRIP SIDE MOUNT FOR 6kA & 10kA RANGES

GL1 ST	Shunt Trip (Fits only KC6 & KC10 1-63A MCB's)
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**\*Not for 3kA Range**

### VOLTAGE TRIP SIDE MOUNT FOR 6kA & 10kA RANGES

GL1 VT	Voltage Trip (Fits only KC6 & KC10 1-63A MCB's)
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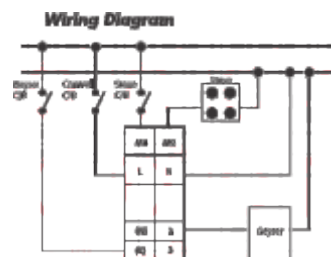
**\*Not for 3kA Range**

### PUSHBUTTONS DIN RAIL MOUNT

GL1 PBRL	Red Latching Pushbutton Din
GL1 PBGNL	Green Non-Latching Pushbutton Din
GL1 PBRNL	Red Non-Latching Pushbutton Din

### 230VAC ELECTRONIC LOAD SHED RELAY

- GL1 ELSR32**
- 1 DIN Module width = 18mm wide, 58mm deep
  - Adjustable from 0,1 to 32A with internal current transformer  
Should reference values higher than 32A be needed, an external measuring current transformer can be used.
  - Off Delay setting: from 0 - 120 seconds
  - Supply Voltage: 230VAC
  - Rated Switching Capacity: 16A / 250VAC
  - Adjustment accuracy: +/- 5%
  - Cuts down on domestic household electricity costs by turning off non-essential items.



- 10 x 38 FUSE HOLDERS
- BELL, BUZZER, TRANSFORMER
- BUSBAR, NEUTRAL & EARTH BAR
- ASSORTED ACCESSORIES

- **DIN Rail circuit breaker accessories**
- **Suitable for use with Onesto range of MCB's**

PART NUMBER	DESCRIPTION	LIST PRICE
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### DIN RAIL FUSE HOLDERS (10 X 38 FUSE) - WITH INDICATION WHEN FUSE IS BLOWN

GL1 FH10132	32A 1P Din Fuse Holder
GL1 FH10232	32A 2P Din Fuse Holder
GL1 FH10332	32A 3P Din Fuse Holder

### BELL TRANSFORMER

GL1 BT16	230V to 12V / 8V 8VA - 2 Module
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### BELL

GL1 KB16	8V / 12V or 230V - 1 Module
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### BUZZER

GL1 KBZ16	8V / 12V or 230V - 1 Module
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### INSULATED BUSBAR (PIN TYPE)

GL1 B1055	63A 1 Phase Insulated Pin Busbar
GL1 B3018	63A 3 Phase Insulated Pin Busbar

### DIN RAIL EARTH BAR - CLIP ON

GL1 EB	12 Way Earth Bar
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### DIN RAIL NEUTRAL BAR - CLIP ON

GL1 NB	12 Way Neutral Bar
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### LED INDICATOR - DIN RAIL

GL1 B81	● Green LED 230V
GL1 B82	● Red LED 230V
GL1 B83	● Yellow LED 230V
GL1 B84	● Blue LED 230V
GL1 B85	○ White LED 230V

### ADAPTORS AND ESCUTCHIONS

GL1 CSD1	Din Conversion Clips (Converts Existing Mini-Rail to Din)
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### DISTRIBUTION BOARD LABEL BOOK

GL1 BOOK	Self Adhesive Labels for labeling Db's
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### DISTRIBUTION BOARD BLANKING STRIPS

GL1 B001	Clip-in Blanking Strips - 1 Way
GL1 B006	Clip-in Blanking Strips - 6 Way

## SURGE ARRESTORS

- 1 - 4 POLE
- DIN RAIL
- INDICATION WINDOW
- REPLACEABLE CARTRIDGE

- **Application: Surge Protection**
- **Consists of DIN Rail Mounting Bracket & Plug-in replaceable cartridge with indication window**
- **Can be fitted with Signalling Auxiliary**

PART NUMBER	DESCRIPTION	Uc(V)	I <sub>max</sub> (kA)	LIST PRICE
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### SURGE ARRESTORS - CARTRIDGE TYPE - 10kA

GL1 ABY7101275	1 Pole Surge Arrestor	275	10kA	
GL1 ABY7102275	2 Pole Surge Arrestor	275	10kA	
GL1 ABY7103275	3 Pole Surge Arrestor	275	10kA	
GL1 ABY7104275	4 Pole Surge Arrestor	275	10kA	
GL1 ABY7101385	1 Pole Surge Arrestor	385	10kA	
GL1 ABY7102385	2 Pole Surge Arrestor	385	10kA	
GL1 ABY7103385	3 Pole Surge Arrestor	385	10kA	
GL1 ABY7104385	4 Pole Surge Arrestor	385	10kA	

### SURGE ARRESTORS - CARTRIDGE TYPE - 20kA

GL1 ABY7202275	2 Pole Surge Arrestor	275	20kA	
GL1 ABY7203275	3 Pole Surge Arrestor	275	20kA	
GL1 ABY7204275	4 Pole Surge Arrestor	275	20kA	
GL1 ABY7202385	2 Pole Surge Arrestor	385	20kA	
GL1 ABY7203385	3 Pole Surge Arrestor	385	20kA	
GL1 ABY7204385	4 Pole Surge Arrestor	385	20kA	

### SURGE ARRESTORS - CARTRIDGE TYPE - 40kA

GL1 ABY7401275	1 Pole Surge Arrestor	275	40kA	
GL1 ABY7402275	2 Pole Surge Arrestor	275	40kA	
GL1 ABY7403275	3 Pole Surge Arrestor	275	40kA	
GL1 ABY7404275	4 Pole Surge Arrestor	275	40kA	
GL1 ABY7401385	1 Pole Surge Arrestor	385	40kA	
GL1 ABY7402385	2 Pole Surge Arrestor	385	40kA	
GL1 ABY7403385	3 Pole Surge Arrestor	385	40kA	
GL1 ABY7404385	4 Pole Surge Arrestor	385	40kA	

### SURGE ARRESTORS - CARTRIDGE TYPE - 60kA

GL5 ABY7602385	2 Pole Surge Arrestor	385	60kA	
GL5 ABY7603385	3 Pole Surge Arrestor	385	60kA	
GL5 ABY7604385	4 Pole Surge Arrestor	385	60kA	

### SURGE ARRESTORS - CARTRIDGE TYPE - 80kA

GL1 ABY7802385	2 Pole Surge Arrestor	385	80kA	
GL1 ABY7803385	3 Pole Surge Arrestor	385	80kA	
GL1 ABY7804385	4 Pole Surge Arrestor	385	80kA	

### SURGE ARRESTORS - CARTRIDGE TYPE - 100kA

GL1 ABY71002385	2 Pole Surge Arrestor	385	100kA	
GL1 ABY71003385	3 Pole Surge Arrestor	385	100kA	
GL1 ABY71004385	4 Pole Surge Arrestor	385	100kA	

- GL1 SERIES DIN
- 1, 2, 3 & 4 BREAK
- DC CIRCUIT BREAKERS 6kA

- Voltage Rating 1 Break 125 / 250V DC • Voltage Rating 2 Break 250 / 500V DC
- Voltage Rating 3 Break 660 / 750V DC • Voltage Rating 4 Break 880 / 1000V DC
- Suitable for Direct Current Applications
- For protection and control of circuits against short circuits and overloads



PART NUMBER	DESCRIPTION	RATING (A)	BREAKS	kA Rating	LIST PRICE
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### DC SINGLE BREAK - 6kA CIRCUIT BREAKER

GL1 CDC1006	125 / 250VDC MCB	6 Amp	1 Break	6 kA	
GL1 CDC1010	125 / 250VDC MCB	10 Amp	1 Break	6 kA	
GL1 CDC1016	125 / 250VDC MCB	16 Amp	1 Break	6 kA	
GL1 CDC1020	125 / 250VDC MCB	20 Amp	1 Break	6 kA	
GL1 CDC1032	125 / 250VDC MCB	32 Amp	1 Break	6 kA	
GL1 CDC1063	125 / 250VDC MCB	63 Amp	1 Break	6 kA	

*"Single Break" means that the DC Circuit is broken (interrupted only once. I.e. The circuit breaker can switch only one leg of a DC circuit, positive or negative, not both.) The maximum voltage is 250VDC.*



### DC DOUBLE BREAK - 6kA CIRCUIT BREAKER

GL1 CDC2006	250 / 500VDC MCB	6 Amp	2 Break	6 kA	
GL1 CDC2010	250 / 500VDC MCB	10 Amp	2 Break	6 kA	
GL1 CDC2016	250 / 500VDC MCB	16 Amp	2 Break	6 kA	
GL1 CDC2020	250 / 500VDC MCB	20 Amp	2 Break	6 kA	
GL1 CDC2032	250 / 500VDC MCB	32 Amp	2 Break	6 kA	
GL1 CDC2063	250 / 500VDC MCB	63 Amp	2 Break	6 kA	

*"Double Break" means that the circuit is broken twice. The circuit breaker can switch positive and negative legs at the SAME TIME. The maximum voltage is 500VDC.*



### DC TRIPLE BREAK - 6kA CIRCUIT BREAKER

GL1 CDC3006	600 / 750VDC MCB	6 Amp	3 Break	6 kA	
GL1 CDC3010	600 / 750VDC MCB	10 Amp	3 Break	6 kA	
GL1 CDC3016	600 / 750VDC MCB	16 Amp	3 Break	6 kA	
GL1 CDC3020	600 / 750VDC MCB	20 Amp	3 Break	6 kA	
GL1 CDC3032	600 / 750VDC MCB	32 Amp	3 Break	6 kA	
GL1 CDC3063	600 / 750VDC MCB	63 Amp	3 Break	6 kA	

*"Three Break" means that the circuit is broken three times. The maximum voltage is 750VDC.*

### DC FOUR BREAK - 6kA CIRCUIT BREAKER

GL1 CDC4006	800 / 1000VDC MCB	6 Amp	4 Break	6 kA	
GL1 CDC4010	800 / 1000VDC MCB	10 Amp	4 Break	6 kA	
GL1 CDC4016	800 / 1000VDC MCB	16 Amp	4 Break	6 kA	
GL1 CDC4020	800 / 1000VDC MCB	20 Amp	4 Break	6 kA	
GL1 CDC4032	800 / 1000VDC MCB	32 Amp	4 Break	6 kA	
GL1 CDC4063	800 / 1000VDC MCB	63 Amp	4 Break	6 kA	

*"Four Break" means that the circuit is opened four times. I.E: The negative is broken twice and the positive is broken twice. ALL AT THE SAME TIME. The maximum voltage is 1000VDC.*



- DC FUSE HOLDERS
- DC FUSES
- DC SURGE ARRESTORS

- **Surge Arrestor Voltage Rating 2 Pole 600-1000VDC**
- **Surge Arrestor Voltage Rating 3 Pole 600-1000 VDC**
- **Voltage Rating DC Fuses 1000VDC**
- **Voltage Rating DC Fuse Holders 1000VDC**

PART NUMBER	POLES	DESCRIPTION	LIST PRICE
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### DC FUSE HOLDER

GL3 FHDC10381P	1 Pole	1000 VDC Fuse Holder	
GL3 FHDC10382P	2 Pole	1000 VDC Fuse Holder	
GL3 FHDC10383P	3 Pole	1000 VDC Fuse Holder	
GL3 FHDC10384P	4 Pole	1000 VDC Fuse Holder	

### FUSES

GL3 FDC103801	1 Amp	1000 VDC Fuse	
GL3 FDC103802	2 Amp	1000 VDC Fuse	
GL3 FDC103803	3 Amp	1000 VDC Fuse	
GL3 FDC103804	4 Amp	1000 VDC Fuse	
GL3 FDC103805	5 Amp	1000 VDC Fuse	
GL3 FDC103806	6 Amp	1000 VDC Fuse	
GL3 FDC103810	10 Amp	1000 VDC Fuse	
GL3 FDC103812	12 Amp	1000 VDC Fuse	
GL3 FDC103815	15 Amp	1000 VDC Fuse	
GL3 FDC103820	20 Amp	1000 VDC Fuse	
GL3 FDC103825	25 Amp	1000 VDC Fuse	

### DC SURGE ARRESTOR - 2 POLE

GL1 ADCBY7402600	2 Pole	PV Surge Arrestor	40 kA	600 VDC
GL1 ADCBY74021000	2 Pole	PV Surge Arrestor	40 kA	1000 VDC
GL1 ADCBY7602600	2 Pole	PV Surge Arrestor	60 kA	600 VDC
GL1 ADCBY76021000	2 Pole	PV Surge Arrestor	60 kA	1000 VDC
GL1 ADCBY7802600	2 Pole	PV Surge Arrestor	80 kA	600 VDC
GL1 ADCBY78021000	2 Pole	PV Surge Arrestor	80 kA	1000 VDC

### DC SURGE ARRESTOR - 3 POLE

GL1 ADCBY7403600	3 Pole	PV Surge Arrestor	40 kA	600 VDC
GL1 ADCBY74031000	3 Pole	PV Surge Arrestor	40 kA	1000 VDC
GL1 ADCBY7603600	3 Pole	PV Surge Arrestor	60 kA	600 VDC
GL1 ADCBY76031000	3 Pole	PV Surge Arrestor	60 kA	1000 VDC
GL1 ADCBY7803600	3 Pole	PV Surge Arrestor	80 kA	600 VDC
GL1 ADCBY78031000	3 Pole	PV Surge Arrestor	80 kA	1000 VDC

## KCM1 MCCB'S

- MIXED LOAD
- 3 POLE
- 25kA & 35kA

- **SABS in accordance to IEC 60947-2**
- **Operating Voltage 690VAC - 50/60Hz**
- **At 40° Celsius**
- **RCC Certificate Numbers: 0812148**



PART NUMBER	CURRENT RATING	kA RATING	RATED OPERATING VOLTAGE	LIST PRICE
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### 100S FRAME SIZE - 150 X 90 X 68 - 3 POLE

GL1 KCM1 100S 32	32 Amp	25 kA	690 V	
GL1 KCM1 100S 40	40 Amp	25 kA	690 V	
GL1 KCM1 100S 50	50 Amp	25 kA	690 V	
GL1 KCM1 100S 63	63 Amp	25 kA	690 V	
GL1 KCM1 100S 80	80 Amp	25 kA	690 V	
GL1 KCM1 100S 100	100 Amp	25 kA	690 V	

### 225S FRAME SIZE - 165 X 105 X 85 - 3 POLE

GL1 KCM1 225S 125	125 Amp	25 kA	690 V	
GL1 KCM1 225S 160	160 Amp	25 kA	690 V	
GL1 KCM1 225S 200	200 Amp	25 kA	690 V	
GL1 KCM1 225S 225	225 Amp	25 kA	690 V	
GL1 KCM1 225S 250	250 Amp	25 kA	690 V	

### 400S FRAME SIZE - 255 X 140 X 105 - 3 POLE

GL1 KCM1 400S 315	315 Amp	35 kA	690 V	
GL1 KCM1 400S 350	350 Amp	35 kA	690 V	
GL1 KCM1 400S 400	400 Amp	35 kA	690 V	

### 630S FRAME SIZE - 270 X 180 X 110 - 3 POLE

GL1 KCM1 630S 500	500 Amp	35 kA	690 V	
GL1 KCM1 630S 630	630 Amp	35 kA	690 V	

## KCM1 MCCB'S

- MIXED LOAD
- 4 POLE
- 25kA & 35kA

- **SABS in accordance to IEC 60947-2**
- **Operating voltage 690VAC - 50/60Hz**
- **At 40° Celsius**
- **RCC Certificate Numbers: 0812148**

PART NUMBER	CURRENT RATING	kA RATING	RATED OPERATING VOLTAGE	LIST PRICE
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### 100S FRAME SIZE - 150 X 120 X 68 - 4 POLE

GL1 KCM1 100S 324	32 Amp	25 kA	690 V	
GL1 KCM1 100S 404	40 Amp	25 kA	690 V	
GL1 KCM1 100S 504	50 Amp	25 kA	690 V	
GL1 KCM1 100S 634	63 Amp	25 kA	690 V	
GL1 KCM1 100S 804	80 Amp	25 kA	690 V	
GL1 KCM1 100S 1004	100 Amp	25 kA	690 V	

### 225S FRAME SIZE - 165 X 140 X 85 - 4 POLE

GL1 KCM1 225S 1254	125 Amp	25 kA	690 V	
GL1 KCM1 225S 1604	160 Amp	25 kA	690 V	
GL1 KCM1 225S 2004	200 Amp	25 kA	690 V	
GL1 KCM1 225S 2254	225 Amp	25 kA	690 V	
GL1 KCM1 225S 2504	250 Amp	25 kA	690 V	

### 400S FRAME SIZE - 255 X 200 X 105 - 4 POLE

GL1 KCM1 400S 3154	315 Amp	35 kA	690 V	
GL1 KCM1 400S 3504	350 Amp	35 kA	690 V	
GL1 KCM1 400S 4004	400 Amp	35 kA	690 V	

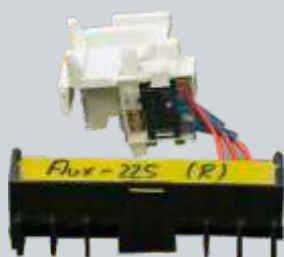
### 630S FRAME SIZE - 270 X 240 X 110 - 4 POLE

GL1 KCM1 630S 5004	500 Amp	35 kA	690 V	
GL1 KCM1 630S 6304	630 Amp	35 kA	690 V	

## MCCB ACCESSORIES

- SHUNT TRIPS
- AUXILIARY CONTACTS
- UNDER VOLTAGE TRIPS
- VARI DEPTH HANDLES

- **Accessories for use with KCM1 Moulded Case Circuit Breakers only**
- **Various Voltages**
- **Various configurations**



PART NUMBER	DESCRIPTION	LIST PRICE
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### SHUNT TRIP

GL1 KCM1 ST100	230V / 400V / 550V	For GL1 KCM1 - 100
GL1 KCM1 ST225	230V / 400V / 550V	For GL1 KCM1 - 225
GL1 KCM1 ST400	230V / 400V / 550V	For GL1 KCM1 - 400
GL1 KCM1 ST630	230V / 400V / 550V	For GL1 KCM1 - 630

### AUXILIARY CONTACTS

GL1 KCM1 AC100	1 N/O & 1 N/C Auxiliary Contact	For GL1 KCM1 - 100
GL1 KCM1 AC225	1 N/O & 1 N/C Auxiliary Contact	For GL1 KCM1 - 225
GL1 KCM1 AC400	1 N/O & 1 N/C Auxiliary Contact	For GL1 KCM1 - 400
GL1 KCM1 AC630	1 N/O & 1 N/C Auxiliary Contact	For GL1 KCM1 - 630

### UNDER VOLTAGE TRIPS

GL1 KCM1 UVT100	Under Voltage Trip - 400V	For GL1 KCM1 - 100
GL1 KCM1 UVT225	Under Voltage Trip - 400V	For GL1 KCM1 - 225
GL1 KCM1 UVT400	Under Voltage Trip - 400V	For GL1 KCM1 - 400
GL1 KCM1 UVT630	Under Voltage Trip - 400V	For GL1 KCM1 - 630

### VARI-DEPTH HANDLES

GL1 KCM1 VDH100	Vari-Depth Handle with Shaft	For GL1 KCM1 - 100
GL1 KCM1 VDH225	Vari-Depth Handle with Shaft	For GL1 KCM1 - 225
GL1 KCM1 VDH400	Vari-Depth Handle with Shaft	For GL1 KCM1 - 400
GL1 KCM1 VDH630	Vari-Depth Handle with Shaft	For GL1 KCM1 - 630



- 3 POLE
- MCCB TYPE



- *Moulded Case Isolators*
- *3 Pole*
- *Operating voltage 690V*

PART NUMBER	CURRENT RATING	RATED OPERATING VOLTAGE	LIST PRICE
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*IS 100S FRAME SIZE - 150 X 90 X 68*

GL1 KCM1 IS 100S 100	100Amp	690 V	
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*IS 225S FRAME SIZE - 165 X 105 X 85*

GL1 KCM1 IS 225S 160	160Amp	690 V	
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GL1 KCM1 IS 225S 225	225Amp	690 V	
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GL1 KCM1 IS 225S 250	250Amp	690 V	
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*IS 400S FRAME SIZE - 255 X 140 X 105*

GL1 KCM1 IS 400S 315	315Amp	690 V	
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GL1 KCM1 IS 400S 400	400Amp	690 V	
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*IS 630S FRAME SIZE - 270 x 180 x 110*

GL1 KCM1 IS 630S 500	500Amp	690 V	
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GL1 KCM1 IS 630S 630	630Amp	690 V	
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*EXTENSION CONNECTORS FOR MCCB'S*

GL1 KCM1 EC100	Extension Connector		
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GL1 KCM1 EC225	Extension Connector		
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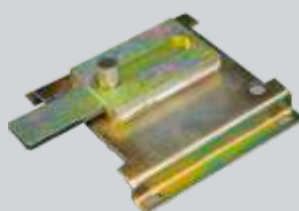
GL1 KCM1 EC400	Extension Connector		
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GL1 KCM1 EC630	Extension Connector		
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- 4 POLE
- MCCB TYPE

- **Moulded Case Isolators**
- **4 Pole**
- **Operating voltage 690V**



PART NUMBER	CURRENT RATING	RATED OPERATING VOLTAGE	LIST PRICE
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**IS 100S FRAME SIZE - 150 X 120 X 68 - 4 POLE**

GL1 KCM1 IS 100S 1004	100Amp	690 V	
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**IS 225S FRAME SIZE - 165 X 140 X 85 - 4 POLE**

GL1 KCM1 IS 225S 1604	160Amp	690 V	
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GL1 KCM1 IS 225S 2254	225Amp	690 V	
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GL1 KCM1 IS 225S 2504	250Amp	690 V	
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**IS 400S FRAME SIZE - 255 X 200 X 105 - 4 POLE**

GL1 KCM1 IS 400S 3154	315Amp	690 V	
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GL1 KCM1 IS 400S 3154	400Amp	690 V	
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**IS 630S FRAME SIZE - 270 X 240 X 110 - 4 POLE**

GL1 KCM1 IS 630S 5004	500Amp	690 V	
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GL1 KCM1 IS 630S 6304	630Amp	690 V	
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**MECHANICAL INTERLOCK FOR MCCB'S**

GL1 KCM1 100MI	For 32 A - 100 A
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GL1 KCM1 225MI	For 125 A - 250 A
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GL1 KCM1 400MI	For 315 A - 400 A
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GL1 KCM1 630MI	For 500 A - 630 A
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- 13mm MODULE
- CURVE "C" 3 kA GL1 SERIES MINI-RAIL
- 1, 2, 3 & 1 POLE + NEUTRAL
- 20A GEYSER TIMER MINI-RAIL



- **SABS in accordance to IEC 60947-2; VC8036**
- **Voltage Rating 240V / 415VAC - 50/60Hz**
- **Suitable for Domestic, Commercial & Industrial Installations**
- **For protection and control of circuits against short circuits and overloads**

PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE	PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE
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### SINGLE POLE

GL1 SMC1001	1 Amp	3 kA	
GL1 SMC1002	2 Amp	3 kA	
GL1 SMC1003	3 Amp	3 kA	
GL1 SMC1004	4 Amp	3 kA	
GL1 SMC1006	6 Amp	3 kA	
GL1 SMC1010	10 Amp	3 kA	
GL1 SMC1016	16 Amp	3 kA	
GL1 SMC1020	20 Amp	3 kA	
GL1 SMC1025	25 Amp	3 kA	
GL1 SMC1032	32 Amp	3 kA	
GL1 SMC1040	40 Amp	3 kA	
GL1 SMC1050	50 Amp	3 kA	
GL1 SMC1063	63 Amp	3 kA	

**CARTON QTY: 12**

### DOUBLE POLE

GL1 SMC2001	1 Amp	3 kA	
GL1 SMC2002	2 Amp	3 kA	
GL1 SMC2003	3 Amp	3 kA	
GL1 SMC2004	4 Amp	3 kA	
GL1 SMC2006	6 Amp	3 kA	
GL1 SMC2010	10 Amp	3 kA	
GL1 SMC2016	16 Amp	3 kA	
GL1 SMC2020	20 Amp	3 kA	
GL1 SMC2025	25 Amp	3 kA	
GL1 SMC2032	32 Amp	3 kA	
GL1 SMC2040	40 Amp	3 kA	
GL1 SMC2050	50 Amp	3 kA	
GL1 SMC2063	63 Amp	3 kA	

**CARTON QTY: 6**

PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE	PART NUMBER	CURRENT RATING	kA RATING	LIST PRICE
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### TRIPLE POLE

GL1 SMC3001	1 Amp	3 kA	
GL1 SMC3002	2 Amp	3 kA	
GL1 SMC3003	3 Amp	3 kA	
GL1 SMC3004	4 Amp	3 kA	
GL1 SMC3006	6 Amp	3 kA	
GL1 SMC3010	10 Amp	3 kA	
GL1 SMC3016	16 Amp	3 kA	
GL1 SMC3020	20 Amp	3 kA	
GL1 SMC3025	25 Amp	3 kA	
GL1 SMC3032	32 Amp	3 kA	
GL1 SMC3040	40 Amp	3 kA	
GL1 SMC3050	50 Amp	3 kA	
GL1 SMC3063	63 Amp	3 kA	

**CARTON QTY: 4**

### SINGLE POLE AND NEUTRAL

GL1 SMC2006N	6 Amp	3 kA	
GL1 SMC2010N	10 Amp	3 kA	
GL1 SMC2016N	16 Amp	3 kA	
GL1 SMC2020N	20 Amp	3 kA	
GL1 SMC2025N	25 Amp	3 kA	
GL1 SMC2032N	32 Amp	3 kA	

**CARTON QTY: 6**

### 20A GEYSER TIMER (MINI-RAIL MOUNT)

GL1 GTS20A	Program: 7 Day Digital Timer Min. Switching Time: 1 min Amperage: 20A @ 250V (Resistive) 1 Channel with 16 On and 16 Off Operations Suitable for School Bells, Factories Power Reserve - 150 hours Switching Contacts: 1 NO Mini-Rail Mount 18 Pulse & Countdown Functions LCD Display	R	599.00
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- 13mm MODULE
- CURVE "C" 6kA GL1 SERIES MINI-RAIL
- 1, 2 & 3 POLE

- **SABS in accordance to IEC 60947-2; VC8036**
- **Voltage Rating 240V / 415VAC - 50/60Hz**
- **Suitable for Domestic, Commercial & Industrial Installations**
- **For protection and control of circuits against short circuits and overloads**

PART NUMBER	DESCRIPTION	RATING (A)	POLES	kA Rating	LIST PRICE
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### 13mm SINGLE POLE - C CURVE - 6kA - CIRCUIT BREAKERS

GL1 6SMC1001	Circuit Breaker	1 Amp	1 Pole	6 kA	
GL1 6SMC1002	Circuit Breaker	2 Amp	1 Pole	6 kA	
GL1 6SMC1003	Circuit Breaker	3 Amp	1 Pole	6 kA	
GL1 6SMC1004	Circuit Breaker	4 Amp	1 Pole	6 kA	
GL1 6SMC1006	Circuit Breaker	6 Amp	1 Pole	6 kA	
GL1 6SMC1010	Circuit Breaker	10 Amp	1 Pole	6 kA	
GL1 6SMC1016	Circuit Breaker	16 Amp	1 Pole	6 kA	
GL1 6SMC1020	Circuit Breaker	20 Amp	1 Pole	6 kA	
GL1 6SMC1025	Circuit Breaker	25 Amp	1 Pole	6 kA	
GL1 6SMC1032	Circuit Breaker	32 Amp	1 Pole	6 kA	
GL1 6SMC1040	Circuit Breaker	40 Amp	1 Pole	6 kA	
GL1 6SMC1050	Circuit Breaker	50 Amp	1 Pole	6 kA	
GL1 6SMC1063	Circuit Breaker	63 Amp	1 Pole	6 kA	

**CARTON QTY: 12**

### 13mm DOUBLE POLE - C CURVE - 6kA - CIRCUIT BREAKERS

GL1 6SMC2001	Circuit Breaker	1 Amp	2 Pole	6 kA	
GL1 6SMC2002	Circuit Breaker	2 Amp	2 Pole	6 kA	
GL1 6SMC2003	Circuit Breaker	3 Amp	2 Pole	6 kA	
GL1 6SMC2004	Circuit Breaker	4 Amp	2 Pole	6 kA	
GL1 6SMC2006	Circuit Breaker	6 Amp	2 Pole	6 kA	
GL1 6SMC2010	Circuit Breaker	10 Amp	2 Pole	6 kA	
GL1 6SMC2016	Circuit Breaker	16 Amp	2 Pole	6 kA	
GL1 6SMC2020	Circuit Breaker	20 Amp	2 Pole	6 kA	
GL1 6SMC2025	Circuit Breaker	25 Amp	2 Pole	6 kA	
GL1 6SMC2032	Circuit Breaker	32 Amp	2 Pole	6 kA	
GL1 6SMC2040	Circuit Breaker	40 Amp	2 Pole	6 kA	
GL1 6SMC2050	Circuit Breaker	50 Amp	2 Pole	6 kA	
GL1 6SMC2063	Circuit Breaker	63 Amp	2 Pole	6 kA	

**CARTON QTY: 6**

### 13mm TRIPLE POLE - C CURVE - 6kA - CIRCUIT BREAKERS

GL1 6SMC3001	Circuit Breaker	1 Amp	3 Pole	6 kA	
GL1 6SMC3002	Circuit Breaker	2 Amp	3 Pole	6 kA	
GL1 6SMC3003	Circuit Breaker	3 Amp	3 Pole	6 kA	
GL1 6SMC3004	Circuit Breaker	4 Amp	3 Pole	6 kA	
GL1 6SMC3006	Circuit Breaker	6 Amp	3 Pole	6 kA	
GL1 6SMC3010	Circuit Breaker	10 Amp	3 Pole	6 kA	
GL1 6SMC3016	Circuit Breaker	16 Amp	3 Pole	6 kA	
GL1 6SMC3020	Circuit Breaker	20 Amp	3 Pole	6 kA	
GL1 6SMC3025	Circuit Breaker	25 Amp	3 Pole	6 kA	
GL1 6SMC3032	Circuit Breaker	32 Amp	3 Pole	6 kA	
GL1 6SMC3040	Circuit Breaker	40 Amp	3 Pole	6 kA	
GL1 6SMC3050	Circuit Breaker	50 Amp	3 Pole	6 kA	
GL1 6SMC3063	Circuit Breaker	63 Amp	3 Pole	6 kA	

**CARTON QTY: 4**



- 13mm MODULE
- CURVE "D" 6kA GL1 SERIES MINI-RAIL
- 1, 2 & 3 POLE



- **SABS in accordance to IEC 60947-2; VC8036**
- **Voltage Rating 240V / 415VAC - 50/60Hz**
- **Suitable for Domestic, Commercial & Industrial Installations**
- **For protection and control of circuits against short circuits and overloads**

PART NUMBER	DESCRIPTION	RATING (A)	POLES	kA Rating	LIST PRICE
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### 13mm SINGLE POLE - D CURVE - 6kA - CIRCUIT BREAKERS

GL1 6SCD1006	Circuit Breaker	6 Amp	1 Pole	6 kA	
GL1 6SCD1010	Circuit Breaker	10 Amp	1 Pole	6 kA	
GL1 6SCD1016	Circuit Breaker	16 Amp	1 Pole	6 kA	
GL1 6SCD1020	Circuit Breaker	20 Amp	1 Pole	6 kA	
GL1 6SCD1025	Circuit Breaker	25 Amp	1 Pole	6 kA	
GL1 6SCD1032	Circuit Breaker	32 Amp	1 Pole	6 kA	
GL1 6SCD1040	Circuit Breaker	40 Amp	1 Pole	6 kA	
GL1 6SCD1050	Circuit Breaker	50 Amp	1 Pole	6 kA	
GL1 6SCD1063	Circuit Breaker	63 Amp	1 Pole	6 kA	

**CARTON QTY: 12**



### 13mm DOUBLE POLE - D CURVE - 6kA - CIRCUIT BREAKERS

GL1 6SCD2006	Circuit Breaker	6 Amp	2 Pole	6 kA	
GL1 6SCD2010	Circuit Breaker	10 Amp	2 Pole	6 kA	
GL1 6SCD2016	Circuit Breaker	16 Amp	2 Pole	6 kA	
GL1 6SCD2020	Circuit Breaker	20 Amp	2 Pole	6 kA	
GL1 6SCD2025	Circuit Breaker	25 Amp	2 Pole	6 kA	
GL1 6SCD2032	Circuit Breaker	32 Amp	2 Pole	6 kA	
GL1 6SCD2040	Circuit Breaker	40 Amp	2 Pole	6 kA	
GL1 6SCD2050	Circuit Breaker	50 Amp	2 Pole	6 kA	
GL1 6SCD2063	Circuit Breaker	63 Amp	2 Pole	6 kA	

**CARTON QTY: 6**



### 13mm TRIPLE POLE - D CURVE - 6kA - CIRCUIT BREAKERS

GL1 6SCD3006	Circuit Breaker	6 Amp	3 Pole	6 kA	
GL1 6SCD3010	Circuit Breaker	10 Amp	3 Pole	6 kA	
GL1 6SCD3016	Circuit Breaker	16 Amp	3 Pole	6 kA	
GL1 6SCD3020	Circuit Breaker	20 Amp	3 Pole	6 kA	
GL1 6SCD3025	Circuit Breaker	25 Amp	3 Pole	6 kA	
GL1 6SCD3032	Circuit Breaker	32 Amp	3 Pole	6 kA	
GL1 6SCD3040	Circuit Breaker	40 Amp	3 Pole	6 kA	
GL1 6SCD3050	Circuit Breaker	50 Amp	3 Pole	6 kA	
GL1 6SCD3063	Circuit Breaker	63 Amp	3 Pole	6 kA	

**CARTON QTY: 4**



## SCHENKER RANGE

- EARTH LEAKAGES
- ISOLATORS
- 19mm MODULE
- 1, 2, 3 & 4 POLE
- MINI-RAIL MOUNT



- **SABS in accordance to VC 8035 / SABS 767-1**
- **Voltage Rating for 2 Pole: 110/240V - 50Hz - For 4 Pole: 240/415V - 50Hz**
- **RCC Certificate No: SMR6-Earth Leakages-1106345**
- **Suitable for Domestic, Commercial & Industrial Installations**
- **Application: To Automatically open a circuit in the event of an earth leakage fault**

PART NUMBER	DESCRIPTION	RATING (A)	POLES	SENSITIVITY (mA)	LIST PRICE
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### 1P + NEUTRAL EARTH LEAKAGE - ISOLATOR TYPE - (NO OVERLOAD)

GL1 SEI 2025	Earth Leakage Device	25 Amp	2 Poles	30 mA	
GL1 SEI 2040	Earth Leakage Device	40 Amp	2 Poles	30 mA	
GL1 SEI 2063	Earth Leakage Device	63 Amp	2 Poles	30 mA	
GL1 SEI 2080	Earth Leakage Device	80 Amp	2 Poles	30 mA	

### 3P + NEUTRAL EARTH LEAKAGE - ISOLATOR TYPE - (NO OVERLOAD)

GL1 SEI 4025	Earth Leakage Device	25 Amp	4 Poles	30 mA	
GL1 SEI 4040	Earth Leakage Device	40 Amp	4 Poles	30 mA	
GL1 SEI 4063	Earth Leakage Device	63 Amp	4 Poles	30 mA	
GL1 SEI 4080	Earth Leakage Device	80 Amp	4 Poles	30 mA	

### 1 POLE ISOLATORS

GL1 SI 1032	Isolator Switch	32 Amp	1 Poles		
GL1 SI 1063	Isolator Switch	63 Amp	1 Poles		

### 2 POLE ISOLATORS

GL1 SI 2032	Isolator Switch	32 Amp	2 Poles		
GL1 SI 2063	Isolator Switch	63 Amp	2 Poles		
GL1 SI 2080	Isolator Switch	80 Amp	2 Poles		
GL1 SI 2100	Isolator Switch	100Amp	2 Poles		
GL1 SI 2125	Isolator Switch	125Amp	2 Poles		

### 3 POLE ISOLATORS

GL1 SI 3032	Isolator Switch	32 Amp	3 Poles		
GL1 SI 3063	Isolator Switch	63 Amp	3 Poles		
GL1 SI 3080	Isolator Switch	80 Amp	3 Poles		
GL1 SI 3100	Isolator Switch	100Amp	3 Poles		
GL1 SI 3125	Isolator Switch	125Amp	3 Poles		

### 4 POLE ISOLATORS

GL1 SI 4032	Isolator Switch	32 Amp	4 Poles		
GL1 SI 4063	Isolator Switch	63 Amp	4 Poles		
GL1 SI 4080	Isolator Switch	80 Amp	4 Poles		
GL1 SI 4100	Isolator Switch	100Amp	4 Poles		
GL1 SI 4125	Isolator Switch	125Amp	4 Poles		

- SURGE ARRESTORS
- BUSBAR
- MINI-RAIL FLUSH DB BOARDS
- MINI-RAIL



- **Application: Surge Protection**
- **Consists of Mini-Rail Mounting Bracket & Plug-in replaceable cartridge with indication window**
- **Busbar for easier Connectivity**
- **SCHENKER Mini-Rail Distribution Boards**

PART NUMBER	DESCRIPTION	Uc (V)	I <sub>max</sub> (kA)	LIST PRICE
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### SURGE ARRESTORS - WITH INDICATION WINDOW - CARTRIDGE TYPE - 10kA

GL1 SBY15101275	1 Pole Surge Arrestor	275	10 kA	
GL1 SBY15102275	2 Pole Surge Arrestor	275	10 kA	
GL1 SBY15103275	3 Pole Surge Arrestor	275	10 kA	
GL1 SBY15104275	4 Pole Surge Arrestor	275	10 kA	

### SURGE ARRESTORS - WITH INDICATION WINDOW - CARTRIDGE TYPE - 20kA

GL1 SBY15201275	1 Pole Surge Arrestor	275	20 kA	
GL1 SBY15202275	2 Pole Surge Arrestor	275	20 kA	
GL1 SBY15203275	3 Pole Surge Arrestor	275	20 kA	
GL1 SBY15204275	4 Pole Surge Arrestor	275	20 kA	

### SURGE ARRESTORS - WITH INDICATION WINDOW - CARTRIDGE TYPE - 40kA

GL1 SBY15401275	1 Pole Surge Arrestor	275	40 kA	
GL1 SBY15402275	2 Pole Surge Arrestor	275	40 kA	
GL1 SBY15403275	3 Pole Surge Arrestor	275	40 kA	
GL1 SBY15404275	4 Pole Surge Arrestor	275	40 kA	

### SURGE ARRESTORS - WITH INDICATION WINDOW - CARTRIDGE TYPE - 60kA

GL1 SBY15601275	1 Pole Surge Arrestor	275	60 kA	
GL1 SBY15602275	2 Pole Surge Arrestor	275	60 kA	
GL1 SBY15603275	3 Pole Surge Arrestor	275	60 kA	
GL1 SBY15604275	4 Pole Surge Arrestor	275	60 kA	

### MINI-RAIL FOR SCHENKER MCB'S, EARTH LEAKAGES, SURGE ARRESTORS, TIMERS

GL1 SMR	Galvanised Mini-Rail - 1m Length
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### SINGLE & 3 PHASE BUSBAR FOR SCHENKER PRODUCTS

GL1 MRBB1	13mm PIN TYPE Insulated Busbar - 1 Phase Schenker
GL1 MRBB3	13mm PIN TYPE Insulated Busbar - 3 Phase Schenker
GL1 BBMR	19mm 100A PIN TYPE Uninsulated Busbar - 1 Phase Schenker

### DISTRIBUTION BOARDS ADJUSTABLE FLUSH MOUNTING SCHENKER - with Earth / Neutral Bars

GL8 DBFPS120	1 x 20 - 20 Way IP 41	185 (W) x 250 (H) x 70 (D)
GL8 DBFPS124	1 x 24 - 24 Way IP 41	190 (W) x 310 (H) x 70 (D)

## HYUNDAI MCCB RANGE

- FIXED 3 POLE
- THERMAL / MAGNETIC MCCB'S
- CURRENT LIMITING TECHNOLOGY



**PLEASE NOTE:**  
All MCCB's come with Flash Barriers for Line & Load Only. Should you require additional sets, please order separately



**PLEASE NOTE:**  
All MCCB's come with Flash Barriers for Line & Load Only. Should you require additional sets, please order separately



- UAB Type - 25kA at AC380/415V at 50°C.
- UCB Type - 50kA at AC380/415V at 50°C.
- Application of current limiting technology by means of the Maximized repulsive force trip mechanism and Arc Pressure Actuator (APA)
- High breaking capacity in 60mm depth, up to 250AF
- Hinged front cover for "Drop-in" Accessories
- RCC Certificate No's: 1011200, 1011199, 1009193

PART NUMBER	AMPS	POLES	kA	W x H x D	LIST PRICE
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### UAB FIXED THERMAL / MAGNETIC MCCB's

UAB 100R 63	63A	3 Pole	25 kA Ics = 50% Icu	75 x 130 x 60	
UAB 100R 80	80A	3 Pole	25 kA Ics = 50% Icu	75 x 130 x 60	
UAB 100R 100	100A	3 Pole	25 kA Ics = 50% Icu	75 x 130 x 60	

NOTE: 20A, 32A, 40A & 50A AVAILABLE ON REQUEST

### UCB FIXED THERMAL / MAGNETIC MCCB's

UCB 250R 125	125A	3 Pole	25 kA Ics = 50% Icu	105 x 164 x 110	
UCB 250R 160	160A	3 Pole	25 kA Ics = 50% Icu	105 x 164 x 110	
UCB 250R 200	200A	3 Pole	25 kA Ics = 50% Icu	105 x 164 x 110	
UCB 250S 250	250A	3 Pole	35 kA Ics = 50% Icu	105 x 164 x 110	
UCB 400R 300	300A	3 Pole	30 kA Ics = 50% Icu	140 x 257 x 110	
UCB 400R 350	350A	3 Pole	30 kA Ics = 50% Icu	140 x 257 x 110	
UCB 400R 400	400A	3 Pole	30 kA Ics = 50% Icu	140 x 257 x 110	
UCB 630R 500	500A	3 Pole	45 kA Ics = 50% Icu	210 x 280 x 110	
UCB 630R 630	630A	3 Pole	45 kA Ics = 50% Icu	210 x 280 x 110	
UCB 800R 800	800A	3 Pole	45 kA Ics = 50% Icu	210 x 280 x 110	

NOTE: 20A, 32A, 40A & 50A AVAILABLE ON REQUEST

### UCB FIXED THERMAL / MAGNETIC MCCB's

UCB 100L 63	63A	3 Pole	50 kA Ics = 50% Icu	90 x 1155 x 160	
UCB 100L 80	80A	3 Pole	50 kA Ics = 50% Icu	90 x 155 x 60	
UCB 100L 100	100A	3 Pole	50 kA Ics = 50% Icu	90 x 155 x 60	
UCB 100L 125	125A	3 Pole	50 kA Ics = 50% Icu	90 x 155 x 60	
UCB 160L 160	160A	3 Pole	50 kA Ics = 50% Icu	105 165 60	
UCB 250L 200	200A	3 Pole	50 kA Ics = 50% Icu	105 165 60	
UCB 250L 250	250A	3 Pole	50 kA Ics = 50% Icu	105 165 60	
UCB 400H 300	300A	3 Pole	65 kA Ics = 50% Icu	140 x 257 x 110	
UCB 400H 350	350A	3 Pole	65 kA Ics = 50% Icu	140 x 257 x 110	
UCB 400H 400	400A	3 Pole	65 kA Ics = 50% Icu	140 x 257 x 110	
UCB 630S 500	500A	3 Pole	65 kA Ics = 50% Icu	210 x 280 x 110	
UCB 630S 630	630A	3 Pole	65 kA Ics = 50% Icu	210 x 280 x 110	
UCB 800S 800	800A	3 Pole	65 kA Ics = 50% Icu	210 x 280 x 110	

NOTE: 20A, 32A, 40A & 50A AVAILABLE ON REQUEST

PLEASE NOTE:

All MCCB's come with Flash Barriers for line only. Should you require another set, please order separately.



## HYUNDAI MCCB RANGE

- THERMAL / MAGNETIC MCCB'S
- FIXED 4 POLE
- CURRENT LIMITING TECHNOLOGY



**PLEASE NOTE:**

All MCCB's come with Flash Barriers for Line & Load Only. Should you require additional sets, please order separately



**PLEASE NOTE:**

All MCCB's come with Flash Barriers for Line & Load Only. Should you require additional sets, please order separately



- UAB Type - 25kA at AC380/415 at 50°C
- UCB Type - 50kA at AC380/415V at 50°C
- Application of current limiting technology by means of the Maximized repulsive force trip mechanism and the Arc Pressure Actuator (APA).
- Hinged front cover for "Drop-In" accessories
- High breaking capacity in 60mm depth, up to 250AF
- RCC Certificate No's: 1011200, 1011199, 1009193

PART NUMBER	AMPS	POLES	kA	W x H x D	LIST PRICE
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**UAB FIXED THERMAL / MAGNETIC MCCB'S**

UAB 100R 204	20 A	4 Pole	25 kA Ics = 25 % Icu	100 x 130 x 60	
UAB 100R 324	32 A	4 Pole	25 kA Ics = 25 % Icu	100 x 130 x 60	
UAB 100R 404	40 A	4 Pole	25 kA Ics = 25 % Icu	100 x 130 x 60	
UAB 100R 504	50 A	4 Pole	25 kA Ics = 25 % Icu	100 x 130 x 60	
UAB 100R 634	63 A	4 Pole	25 kA Ics = 25 % Icu	100 x 130 x 60	
UAB 100R 804	80 A	4 Pole	25 kA Ics = 25 % Icu	100 x 130 x 60	
UAB 100R 1004	100 A	4 Pole	25 kA Ics = 25 % Icu	100 x 130 x 60	

**UCB FIXED THERMAL / MAGNETIC MCCB'S**

UCB 250R 1254	125 A	4 Pole	25 kA Ics = 50 % Icu	140 x 164 x 60	
UCB 250R 1604	160 A	4 Pole	25 kA Ics = 50 % Icu	140 x 164 x 60	
UCB 250R 2004	200 A	4 Pole	25 kA Ics = 50 % Icu	140 x 164 x 60	
UCB 250S 2504	250 A	4 Pole	35 kA Ics = 50 % Icu	140 x 164 x 110	
UCB 400R 3004	300 A	4 Pole	30 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 400R 3504	350 A	4 Pole	30 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 400R 4004	400 A	4 Pole	30 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 630R 5004	500 A	4 Pole	45 kA Ics = 50 % Icu	280 x 280 x 110	
UCB 630R 6304	630 A	4 Pole	45 kA Ics = 50 % Icu	280 x 280 x 110	
UCB 800R 8004	800 A	4 Pole	45 kA Ics = 50 % Icu	280 x 280 x 110	

**UCB FIXED THERMAL / MAGNETIC MCCB'S**

UCB 100L 204	20 A	4 Pole	50 kA Ics = 50 % Icu	120 x 155 x 60	
UCB 100L 324	32 A	4 Pole	50 kA Ics = 50 % Icu	120 x 155 x 60	
UCB 100L 404	40 A	4 Pole	50 kA Ics = 50 % Icu	120 x 155 x 60	
UCB 100L 504	50 A	4 Pole	50 kA Ics = 50 % Icu	120 x 155 x 60	
UCB 100L 634	63 A	4 Pole	50 kA Ics = 50 % Icu	120 x 155 x 60	
UCB 100L 804	80 A	4 Pole	50 kA Ics = 50 % Icu	120 x 155 x 60	
UCB 100L 1004	100 A	4 Pole	50 kA Ics = 50 % Icu	120 x 155 x 60	
UCB 250L 1254	125 A	4 Pole	50 kA Ics = 50 % Icu	140 x 165 x 60	
UCB 250L 1604	160 A	4 Pole	50 kA Ics = 50 % Icu	140 x 165 x 60	
UCB 250L 2004	200 A	4 Pole	50 kA Ics = 50 % Icu	140 x 165 x 60	
UCB 250L 2504	250 A	4 Pole	50 kA Ics = 50 % Icu	140 x 165 x 60	
UCB 400H 3004	300 A	4 Pole	65 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 400H 3504	350 A	4 Pole	65 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 400H 4004	400 A	4 Pole	65 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 630S 5004	500 A	4 Pole	65 kA Ics = 50 % Icu	280 x 280 x 110	
UCB 630S 6304	630 A	4 Pole	65 kA Ics = 50 % Icu	280 x 280 x 110	
UCB 800S 8004	800 A	4 Pole	65 kA Ics = 50 % Icu	280 x 280 x 110	

**PLEASE NOTE:**

All MCCB's come with Flash Barriers for line only. Should you require another set, please order separately.

## HYUNDAI MCCB RANGE

- ADJUSTABLE THERMAL MCCB'S
- ADJUSTABLE ELECTRONIC MCCB'S
- 3 & 4 POLE
- CURRENT LIMITING TECHNOLOGY



- High Breaking Capacity • At 50° Celsius
- Application of current limiting technology by means of the Maximized repulsive force trip mechanism and the Arc Pressure Actuator (APA).
- Hinged front cover for "Drop-In" accessories
- RCC Certificate No's: 1011200, 1011197, 1011198

PART NUMBER	AMPS	POLES	kA	W x H x D	LIST PRICE
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### ADJUSTABLE THERMAL & FIXED INSTANTANEOUS / THERMAL MAGNETIC TRIP MCCB's - 3 POLE

UCB 100L F100	80 - 100 A	3 Pole	50 kA Ics = 75 % Icu	90 x 155 x 60	
UCB 100L F125	100 - 125 A	3 Pole	50 kA Ics = 75 % Icu	90 x 155 x 60	
UCB 160L F160	128 - 160 A	3 Pole	50 kA Ics = 50 % Icu	105 x 165 x 60	
UCB 250L F200	160 - 200 A	3 Pole	50 kA Ics = 50 % Icu	105 x 165 x 60	
UCB 250L F250	200 - 250 A	3 Pole	50 kA Ics = 50 % Icu	105 x 165 x 60	
UCB 400H F300	240 - 300 A	3 Pole	65 kA Ics = 50 % Icu	140 x 257 x 110	
UCB 400H F400	320 - 400 A	3 Pole	65 kA Ics = 50 % Icu	140 x 257 x 110	
UCB 630S F500	400 - 500 A	3 Pole	65 kA Ics = 50 % Icu	210 x 280 x 110	
UCB 630S F630	504 - 630 A	3 Pole	65 kA Ics = 50 % Icu	210 x 280 x 110	
UCB 800S F800	640 - 800 A	3 Pole	65 kA Ics = 50 % Icu	210 x 280 x 110	

### ADJUSTABLE THERMAL & FIXED INSTANTANEOUS / THERMAL MAGNETIC TRIP MCCB's - 4 POLE

UCB 100L F1004	80 - 100 A	4 Pole	50 kA Ics = 75 % Icu	120 x 155 x 60	
UCB 100L F1254	100 - 125 A	4 Pole	50 kA Ics = 75 % Icu	120 x 155 x 60	
UCB 160L F1604	128 - 160 A	4 Pole	50 kA Ics = 50 % Icu	140 x 165 x 60	
UCB 250L F2004	160 - 200 A	4 Pole	50 kA Ics = 50 % Icu	140 x 165 x 60	
UCB 250L F2504	200 - 250 A	4 Pole	50 kA Ics = 50 % Icu	140 x 165 x 60	
UCB 400H F3004	240 - 300 A	4 Pole	65 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 400H F4004	320 - 400 A	4 Pole	65 kA Ics = 50 % Icu	185 x 257 x 110	
UCB 630S F5004	400 - 500 A	4 Pole	65 kA Ics = 50 % Icu	280 x 280 x 110	
UCB 630S F6304	504 - 630 A	4 Pole	65 kA Ics = 50 % Icu	280 x 280 x 110	
UCB 800S F8004	640 - 800 A	4 Pole	65 kA Ics = 50 % Icu	280 x 280 x 110	

### ADJUSTABLE ELECTRONIC RELEASE MCCB's - 3 POLE

UPB 100S E125	50 - 125 A	3 Pole	85 kA Ics = 100 % Icu	105 x 165 x 86.5	
UPB 250S E250	100 - 250 A	3 Pole	85 kA Ics = 100 % Icu	105 x 165 x 86.5	
UPB 400S E400	200 - 400 A	3 Pole	85 kA Ics = 100 % Icu	140 x 255 x 120	
UPB 630S E630	320 - 630 A	3 Pole	85 kA Ics = 100 % Icu	140 x 255 x 120	
UCB 1000S E1000	505 - 1000 A	3 Pole	100kA Ics = 50 % Icu	210 x 370 x 110	
UCB 1250S E1250	630 - 1250 A	3 Pole	100kA Ics = 50 % Icu	210 x 370 x 110	
UCB 1600S E1600	640 - 1600 A	3 Pole	65 kA Ics = 50 % Icu	210 x 371 x 151	

### ADJUSTABLE ELECTRONIC RELEASE MCCB's - 4 POLE

UPB 100S E1254	50 - 125 A	4 Pole	85 kA Ics = 100 % Icu	140 x 165 x 86.5	
UPB 250S E2504	100 - 250 A	4 Pole	85 kA Ics = 100 % Icu	140 x 165 x 86.5	
UPB 400S E4004	200 - 400 A	4 Pole	85 kA Ics = 100 % Icu	185 x 255 x 120	
UPB 630S E6304	320 - 630 A	4 Pole	85 kA Ics = 100 % Icu	185 x 255 x 120	
UCB 1000S E10004	505 - 1000 A	4 Pole	100kA Ics = 50 % Icu	280 x 370 x 110	
UCB 1250S E12504	630 - 1250 A	4 Pole	100kA Ics = 50 % Icu	280 x 370 x 110	

**PLEASE NOTE:**

All MCCB's come with Flash Barriers for line only. Should you require another set, please order separately.

## HYUNDAI RANGE

- ISOLATORS
- VARI DEPTH HANDLES
- INTERPOLE BARRIERS
- MCCB ACCESSORIES SELECTION CHART



PART NUMBER	AMPS	POLES	VOLTAGE	DIMENSIONS W x H x D	LIST PRICE
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### ISOLATORS

UCD 100S 100	100 A	3 Pole	690V	90 x 155 x 60	
UCD 250S 250	250 A	3 Pole	690V	105 x 164 x 60	
UCD 400S 400	400 A	3 Pole	690V	140 x 257 x 110	
UCD 600S 630	600 A	3 Pole	690V	210 x 280 x 110	
UCD 800S 800	800 A	3 Pole	690V	210 x 280 x 110	
UCE 100S 1000	1000 A	3 Pole	690V	210 x 370 x 115	

### VARI DEPTH HANDLE FOR UCD ISOLATORS ONLY

TFH 10B	Will Fit UCD 100S 100 - Isolator Only
TFH 20C	Will Fit UCD 250S 250- Isolator Only
TFH 46D	Will Fit UCD 400S, 630S & 800S - Isolator Only

### INTERPOLE BARRIERS FOR MCCB'S

TQQ 10A	Interpole Barrier For UAB 100R
TQQ 12FG	Interpole Barrier For UCB 100L / 160L / 250L
TQQ 20C	Interpole Barrier For UCB 250S + R
TQQ 4BA	Interpole Barrier For UCB 400
TQQ 5BA	Interpole Barrier For UCB 630 / UCB 800

### REPLACEMENT TERMINAL SCREW - HEXAGON SOCKET HEAD SCREW

BOLT10B	M8 X 15 to Fit: UAB 100R from 25A-100A; UCB 250R from 125A - 250A; UCB 100L from 20A - 125A; UCB 100L-F from 100A - 125A; UPB 100S-ES from 125A - 250A.
BOLT20C	M8 x 20 to Fit: UCB 160L From 160A - 250A; UCB 160L-F from 160A - 250A

## MCCB TYPE ACCESSORIES

Description	Part No. when ordering	UAB-100R 63/80/100	UCB-100L UCB-100L-F 63/80/100/125	UCB-160L UCB-160L-F UCB-250L UCB-250L-F 160/200/250	UCB-250R UCB-250S 125/160/ 200/250	UCB-400R UCB-400H UCB-400H-F 300/350/400	UCB-630R UCB-630S UCB-630S-F 500/630	UCB-800R UCB-800S UCB-800S-F 800
Auxiliary Switch Right	AUX	10UAR1	-	-	-	460R1	460R1	460R1
Auxiliary Switch Left	AUX	10UAL1	12FGL1	12FGL1	20CL1	-	-	-
Trip Alarm Switch	ALT	10UAL1 10UAR1	12FGL1	12FGR1 12FGL1	20CL1	460DL1	460DL1	460DL1
Shunt trip 230V	SHT	10UAMB 200/480V LEFT	12FGH/B 200/480V RIGHT	12FGH 200/480V RIGHT	20CH 200/480V RIGHT	46DH 200/230V LEFT	46DH 200/230V LEFT	46DH 200/230V LEFT
Shunt Trip 415V	SHT	-	-	-	-	46DB 380/415V LEFT	46DB 380/415V LEFT	46DB 380/415V LEFT
Under Voltage Trip 380/415V	UVT	10UAQ LEFT	12FGQ RIGHT	12FGQ RIGHT	20CQ RIGHT	46DQ LEFT	46DQ LEFT	46DQ LEFT
Vari Depth Handle (MCCB)	TFH	10UAS	10UFS	20UGS	20CS	46DS	46DS	46DS
Motor Operator	MOT	10UA ADC220	10F ADC220	20G ADC220	20C ADC220	40D ADC220	68E ADC220	68E ADC220
Terminal Cover	TCF	10AP3	10FP3	20GP3	20CP3	-	-	-
Terminal Busbar	TBB	-	-	-	20C3	4S3	6S3	8S3
Mechanical Interlock	MIF	-	10UF3	20UG3	20UG3	40D3	80E3	-

PLEASE NOTE P.O.A FOR  
MCCB ACCESSORIES



## HYUNDAI RANGE

- ELECTRONIC MOTOR PROTECTION RELAY
- ACCESSORIES TO SUIT

• The HIMP series protection relay provides superior reliability through its micro controller unit (of all three phases). For direct connection to motor circuits 5A, 22A or 50A or through conventional 5A Ct's (with the 5A device)

PART NUMBER	AMPS	DESCRIPTION	LIST PRICE
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### HiMP ELECTRONIC MOTOR PROTECTION RELAY - (STANDARD TYPE)

HIMP 22KN	1 - 5 A	Electronic Motor Protection Relay	
HIMP 22KN22	4.4 - 22 A	Electronic Motor Protection Relay	
HIMP 50KN	10 - 50 A	Electronic Motor Protection Relay	
HIMP RAIL		DIN Rail Mounting Adaptor for Above Relays	

- Supply: 240VAC 50/60Hz (15 - 120%)
- Aux: 2 SPST 3A / 250 VAC
- LED indication for operating status / overload / fault.
- Test / Reset button

MODEL	FUNCTIONS				WIRING OF MAIN CIRCUIT	ALLOWABLE CURRENT PARTITION
	OVER CURRENT	PHASE FAILURE	PHASE UNBALANCE	REVERSE PHASE	SCREW	
HIMP 22KN	●	●	●	●	●	1 - 5 A
HIMP 22KN22	●	●	●	●	●	4.4 - 22 A
HIMP 50KN	●	●	●	●	●	10 - 50 A

### HiMP DIGITAL ELECTRONIC MOTOR PROTECTION RELAY - (ADVANCED TYPE)

HIMP 60KSD06	0.5 - 6 A	Digital Motor Protection Relay	
HIMP 60KSD60	5 - 60 A	Digital Motor Protection Relay	
HIMP 60KZD06	0.5 - 6 A	Digital Motor Protection Relay with Earth Relay	
HIMP 60KZD60	5 - 60 A	Digital Motor Protection Relay with Earth Relay	

- Provides superior reliability with real time processing and high precision. (DIN Rail Mounting)
- Basic functions: • Over current • Under Current • Stall • Lock • Phase Loss/Unbalance/Reversal
- Optional: • Earth Leakage Fault (Model Dependant)

MODEL	FUNCTIONS						WIRING OF MAIN CIRCUIT	ALLOWABLE CURRENT PARTITION
	OVER CURRENT	UNDER CURRENT	PHASE FAILURE	PHASE UNBALANCE	REVERSE PHASE	LEAKAGE CURRENT	SCREW	
HIMP60KSD06	●	●	●	●	●		●	0.5 - 6 A
HIMP60KSD60	●	●	●	●	●		●	5 - 60 A
HIMP60KZD06	●	●	●	●	●	●	●	0.5 - 6 A
HIMP60KZD60	●	●	●	●	●	●	●	5 - 60 A

### HiMP ACCESSORIES

HIMP BRACKET	Bracket for Panel Mounting Digital Indicator
HIMP CBL10	1m Connection Cable for Digital Display
HIMP CBL15	1.5m Connection Cable for Digital Display
HIMP CBL20	2m Connection Cable for Digital Display
HIMP CBL40	4m Connection Cable for Digital Display
HIMP DISPLAY	Digital Display
HIMP ZCT30	Core Balance Current Transformer - 100A 30 mm ID
HIMP ZCT50	Core Balance Current Transformer - 250A 50 mm ID
HIMP ZCT65	Core Balance Current Transformer - 400A 65 mm ID
HIMP ZCT80	Core Balance Current Transformer - 600A 80 mm ID
HIMP ZCT100	Core Balance Current Transformer - 800A 100 mm ID

•625A - 5000A Range  
 •Fixed & Draw-Out Units (Cradles Ordered Separately)  
 •3 & 4 Pole



PART NUMBER	DESCRIPTION	POLE	ADJUSTABLE FROM - TO	LIST PRICE
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**AIR CIRCUIT BREAKERS - FIXED TYPE - 3 POLE**

UAN12B3HM2C2S2	Fixed Air Circuit Breaker	3 Pole	625 - 1250 A	
UAN16B3HM2C2S2	Fixed Air Circuit Breaker	3 Pole	800 - 1600 A	
UAN20B3HM2C2S2	Fixed Air Circuit Breaker	3 Pole	1000 - 2000 A	
UAN25B3HM2C2S2	Fixed Air Circuit Breaker	3 Pole	1250 - 2500 A	
UAN32B3HM2C2S2	Fixed Air Circuit Breaker	3 Pole	1600 - 3200 A	
UAN40B3HM2C2S2	Fixed Air Circuit Breaker	3 Pole	2000 - 4000 A	
UAN50C3HM2C2S2	Fixed Air Circuit Breaker	3 Pole	2500 - 5000 A	

**AIR CIRCUIT BREAKERS - FIXED TYPE - 4 POLE**

UAN12B4HM2C2S2	Fixed Air Circuit Breaker	4 Pole	625 - 1250 A	
UAN16B4HM2C2S2	Fixed Air Circuit Breaker	4 Pole	800 - 1600 A	
UAN20B4HM2C2S2	Fixed Air Circuit Breaker	4 Pole	1000 - 2000 A	
UAN25B4HM2C2S2	Fixed Air Circuit Breaker	4 Pole	1250 - 2500 A	
UAN32B4HM2C2S2	Fixed Air Circuit Breaker	4 Pole	1600 - 3200 A	
UAN40B4HM2C2S2	Fixed Air Circuit Breaker	4 Pole	2000 - 4000 A	
UAN50C4HM2C2S2	Fixed Air Circuit Breaker	4 Pole	2500 - 5000 A	

**AIR CIRCUIT BREAKERS - DRAW OUT TYPE - 3 POLE (CRADLE NOT INCLUDED)**

UAN12B3AM2C2S2	Draw Out Circuit Breaker	3 Pole	625 - 1250 A	
UAN16B3AM2C2S2	Draw Out Circuit Breaker	3 Pole	800 - 1600 A	
UAN20B3AM2C2S2	Draw Out Circuit Breaker	3 Pole	1000 - 2000 A	
UAN25B3AM2C2S2	Draw Out Circuit Breaker	3 Pole	1250 - 2500 A	
UAN32B3AM2C2S2	Draw Out Circuit Breaker	3 Pole	1600 - 3200 A	
UAN40B3AM2C2S2	Draw Out Circuit Breaker	3 Pole	2000 - 4000 A	
UAN50C3AM2C2S2	Draw Out Circuit Breaker	3 Pole	2500 - 5000 A	

\*Draw Out Cradle to be Ordered Separately - See Page 31

**AIR CIRCUIT BREAKERS - DRAW OUT TYPE - 4 POLE (CRADLE NOT INCLUDED)**

UAN12B4AM2C2S2	Draw Out Circuit Breaker	4 Pole	625 - 1250 A	
UAN16B4AM2C2S2	Draw Out Circuit Breaker	4 Pole	800 - 1600 A	
UAN20B4AM2C2S2	Draw Out Circuit Breaker	4 Pole	1000 - 2000 A	
UAN25B4AM2C2S2	Draw Out Circuit Breaker	4 Pole	1250 - 2500 A	
UAN32B4AM2C2S2	Draw Out Circuit Breaker	4 Pole	1600 - 3200 A	
UAN40B4AM2C2S2	Draw Out Circuit Breaker	4 Pole	2000 - 4000 A	
UAN50C4AM2C2S2	Draw Out Circuit Breaker	4 Pole	2500 - 5000 A	

\*Draw Out Cradle to be Ordered Separately - See Page 31

- 650A - 5000A
- 3 Pole - 4 Pole
- 220V AC/DC Motor Charging Device > Supplied Standard
- 220V AC/DC Closing Coil > Supplied Standard
- 200V AC/DC Trip Coil > Supplied Standard
- Protection Trip Relay > Supplied Standard
- Auxiliaries > Supplied Standard
- Ics/Icu 100kA@ 500VAC
- Easy Installation and Operation
- Multiple Terminal Busbar Connections
- Various Accessories Available

If alternative voltage is required please specify as below:  
**Motor Charging Device"**  
 M1 - 110 AC/DC  
 M7 - 24 VAC/DV

**Closing Coil:**  
 C1 - 110 VAC/DC  
 C3 - 380 VAC

**Tripping Coil:**  
 S1 - 110 VAC/DC  
 S3 - 380 VAC

## HYUNDAI RANGE

- AIR CIRCUIT BREAKER ACCESSORIES
- AUTOMATIC TRANSFER SWITCH
- UNDER VOLTAGE TIME DELAY CONTROLLER

- **Cradles 3 Pole & 4 Pole**
- **Motor Control & Charging Devices**
- **Closing, Under Voltage & Tripping Coils**
- **Air Circuit Breaker Interlocks, Transfer Switches**
- **Undervoltage Time Delay Controllers**

PART NUMBER	DESCRIPTION	POLE	LIST PRICE
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### CRADLES FOR DRAW OUT TYPE AIR CIRCUIT BREAKERS - 3POLE

DUN25B3AH	Cradle for 1200 - 2500 A	3 Pole	
DUN32B3AH	Cradle for 3200 A	3 Pole	
DUN40B3AH	Cradle for 4000 A	3 Pole	
DUN50B3AH	Cradle for 5000 A	3 Pole	

### CRADLES FOR DRAW OUT TYPE AIR CIRCUIT BREAKERS - 4 POLE

DUN25B4AH	Cradle for 1200 - 2500 A	4 Pole	
DUN32B4AH	Cradle for 3200 A	4 Pole	
DUN40B4AH	Cradle for 4000 A	4 Pole	
DUN50B4AH	Cradle for 5000 A	4 Pole	

### MOTOR CHARGING DEVICES

UANSM1	Motor Charging Device	110 VAC/DC	
UANSM2	Motor Charging Device	230 VAC/DC	
UANSM3	Motor Charging Device	380 VAC	
UANSM7	Motor Charging Device	24 VDC	

### MOTOR CONTROL UNIT

UANSMCU	Motor Control Unit	110 V	
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### MOTOR CHARGING DEVICE & MOTOR CONTROL UNIT

UANSMCU1	Motor Charging Device & Motor Control Unit	110 VAC/DC	
UANSMCU2	Motor Charging Device & Motor Control Unit	230 VAC/DC	
UANSMCU3	Motor Charging Device & Motor Control Unit	380 VAC	
UANSMCU7	Motor Charging Device & Motor Control Unit	24 VDC	

*\*Includes Ratchet M, Ratchet B, Spring & Bolts*

### CLOSING, UNDER VOLTAGE TRIP COIL AND TRIP COILS

UANSC1	Closing Coil	110 VAC/DC	
UANSC2	Closing Coil	220 VAC/DC	
UANSC3	Closing Coil	380 VAC	
UANSC7	Closing Coil	24 VDC	

UANSU1	Under Voltage Trip Coil	110 VAC/DC	
UANSU2	Under Voltage Trip Coil	230 VAC/DC	
UANSU3	Under Voltage Trip Coil	380 VAC	

UANSS1	Trip Coil	110 VAC/DC	
UANSS2	Trip Coil	220 VAC/DC	
UANSS3	Trip Coil	380 VAC	
UANSS7	Trip Coil	24 VDC	

### INTERLOCKS

UANSFWB1B	Interlock for Fixed Type - 2 Way		
UANSFWB2B	Interlock for Fixed Type - 3 Way		
UANSDWB1B	Interlock for Withdrawable Type - 2 Way		
UANSDWB2B	Interlock for Withdrawable Type - 3 Way		

### AUTOMATIC TRANSFER SWITCH

UANS80S	Automatic Transfer Switch & Controller		
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### UNDER VOLTAGE TIME DELAY CONTROLLER

UANSUT1	Under Voltage Time Delay Controller	110 VAC/DC	
UANSUT2	Under Voltage Time Delay Controller	220 VAC/DC	
UANSUT3	Under Voltage Time Delay Controller	380 VAC	



# OMESTO®

## ORACLE RANGE

### WIRING ACCESSORIES



## SWITCH2SLIM

### Design Specifications

European Conceptual Design - Attractive Slim Profile - Modern Italian Design - Quality Polycarbonate Finish  
Modular Versatility - Colour Decor Options - Comprehensive Range - Installation Friendly

#### COMPLIANCY SPECIFICATIONS

Tested at SABS - Manufactured to IEC Standard - Registered with NRCS RSA

Complies to SANS 0163, 0164 - SANS Approved - RCC Certificate Numbers: 1008091/2, 1008093/4

- SWITCHES
- COMMUNICATION OUTLETS

- **Durable UV Resistant Polycarbonate with Adjustable Mounting Holes**
- **16A, 20A Rated Switches - Supplied with Screws**
- **Fits standard 4 x 4 and 4 x 2 wall boxes**
- **RCC Certificate No's: (1-6 Lever 1 Way) 1008091, (1-6 Lever 2 Way) 1008092 (20A DP Switch) 1011205**

PART NUMBER	DESCRIPTION	SIZE	BOX QTY	CTN QTY	LIST PRICE
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### SWITCHES 4 X 2 COMPLETE

GL2 S2011	1 Lever 1 Way Switch	4 x 2	8	80	
GL2 S2021	2 Lever 1 Way Switch	4 x 2	8	80	
GL2 S2031	3 Lever 1 Way Switch	4 x 2	8	80	
GL2 S2041	4 Lever 1 Way Switch	4 x 2	8	80	
GL2 S2051	5 Lever 1 Way Switch	4 x 2	8	80	
GL2 S2061	6 Lever 1 Way Switch	4 x 2	8	80	
GL2 S201B	1 Lever Bell Press Switch	4 x 2	8	80	
GL2 S2012	1 Lever 2 Way Switch	4 x 2	8	80	
GL2 S201I	1 Lever Intermediate Switch	4 x 2	8	80	
GL2 S202I	1 Lever Intermediate Switch + 1 Module	4 x 2	8	80	

### SWITCHES 4 X 4 COMPLETE

GL2 S4011	1 Lever 1 Way Switch	4 x 4	5	80	
GL2 S4021	2 Lever 1 Way Switch	4 x 4	5	80	
GL2 S4031	3 Lever 1 Way Switch	4 x 4	5	80	
GL2 S4041	4 Lever 1 Way Switch	4 x 4	5	80	
GL2 S4051	5 Lever 1 Way Switch	4 x 4	5	80	
GL2 S4061	6 Lever 1 Way Switch	4 x 4	5	80	

### COMMUNICATION OUTLETS 4 X 2 COMPLETE

GL2 S201TV	Television Outlet	4 x 2	8	80	
GL2 S201SAT	Satellite Outlet	4 x 2	8	80	
GL2 S201DAT	Data Outlet RJ45	4 x 2	8	80	
GL2 S201TEL	Telephone Outlet RJ11	4 x 2	8	80	

### COMMUNICATION OUTLETS 4 X 4 COMPLETE

GL2 S401TV	Television Outlet	4 x 4	8	80	
GL2 S401SAT	Satellite Outlet	4 x 4	8	80	
GL2 S401DAT	Data Outlet RJ45	4 x 4	8	80	
GL2 S401TEL	Telephone Outlet RJ11	4 x 4	8	80	



- SWITCHED SOCKET OUTLETS
- DEDICATED SOCKET OUTLETS
- INDUSTRIAL SOCKETS
- PANEL SOCKET MODULES

- **Durable UV Resistant Polycarbonate with Adjustable Mounting Holes**
- **16A Rated Switches - Supplied with Screws**
- **Fits standard 4 x 2 and 4 x 4 Wall boxes**
- **RCC Certificate No's: Switched Sockets 1008093, Isolators 1008094**

PART NUMBER	DESCRIPTION	SIZE	BOX QTY	CTN QTY	LIST PRICE
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### SWITCHED SOCKET OUTLETS - SHAVER SOCKET - 4 X 2

GL2 P2001	Single Switched Socket 16A Horizontal	4 x 2	8	80	
GL2 P2001V	Single Switched Socket 16A Vertical	4 x 2	8	80	
GL2 PS201S	Shaver Socket	4 x 2	2	-	

### SWITCHED SOCKET OUTLETS - 4 X 4

GL2 P4001	Single Switched Socket 16A	4 x 4	5	80	
GL2 P4002	Double Switched Socket 16A	4 x 4	5	80	
GL2 P4011	Single + Euro Switched Socket 16A	4 x 4	5	80	
GL2 P4012	Single SSO + 2 USB 2 x 1A	4 x 4	5	80	

### DEDICATED SWITCHED SOCKET OUTLETS - 4 X 2 & 4 X 4

GL2 PD201	Red Dedicated Switched Socket 16A	4 x 2	8	80	
GL2 PD401	Red Dedicated Single Switched Socket 16A	4 x 4	5	80	
GL2 PD402	Red Dedicated Double Switched Socket 16A	4 x 4	5	80	



\*Specify Colour BK (Black) or BL (Blue) if required

### INDUSTRIAL SWITCHED SOCKET OUTLETS - SINGLE & DOUBLE

GL2 PI2001	Industrial Single Switched Socket 16A		8	80	
GL2 PI2002	Industrial Double Switched Socket 16A		5	80	

### ROUND 6A SOCKET TO FIT CONDUIT BOX

GL2 P1006	Round Socket 6A		20	300	
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### PANEL MOUNT SOCKET MODULES

GL2 PM001	Mini Socket Panel Mount 16A		1	1	
GL2 PMD001	Mini Socket Panel Mount Dedicated RED		1	1	

- DIMMERS - STANDARD WHITE / BLACK ON REQUEST
- BELL PRESS
- ROTARY
- L.E.D. COMPATIBLE

- **Dimmers - Pre-wired Ready to Install**
- **Conforms to SABS EMI Compliance Standards - Certificates on Request**
- **Fits standard 4 x 4 and 4 x 2 wall boxes**
- **Material: Durable UV Resistant Polycarbonate**

PART NUMBER	DESCRIPTION	LIST PRICE
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#### **DIMMER SWITCHES 4 X 2 BELL PRESS - LEADING EDGE - COMPLETE**

GL2 S2DB501	1 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S2DB502	2 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S2DB801	1 Lever Dimmer - 800W Resistive / 600W Inductive
GL2 S2DB802	2 Lever Dimmer - 800W Resistive / 600W Inductive

**\*Note: Bell Press Dimmer Switches 3 - 6 Lever, 1000W - Available on Request**

#### **DIMMER SWITCHES 4 X 2 ROTARY SWITCHED POT 500W - LEADING EDGE - COMPLETE**

GL2 S2DR501	1 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S2DR502	2 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S2DR503	3 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S2DR504	4 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S2DR505	5 Lever Dimmer - 500W Resistive / 400W Inductive

#### **DIMMER SWITCHES 4 X 4 BELL PRESS - LEADING EDGE - COMPLETE**

GL2 S4DB501	1 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S4DB502	2 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S4DB801	1 Lever Dimmer - 800W Resistive / 600W Inductive
GL2 S4DB802	2 Lever Dimmer - 800W Resistive / 600W Inductive

**\*Note: Bell Press Dimmer Switches 3 - 4 Lever, 1000W - Available on Request - L**

#### **DIMMER SWITCHES 4 X 4 ROTARY SWITCHED POT 500W - LEADING EDGE - COMPLETE**

GL2 S4DR501	1 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S4DR502	2 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S4DR503	3 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S4DR504	4 Lever Dimmer - 500W Resistive / 400W Inductive
GL2 S4DR505	5 Lever Dimmer - 500W Resistive / 400W Inductive

#### **L.E.D. DIMMER SWITCHES 4 X 2 BELL PRESS - 240W - COMPLETE**

GL2 S2DLB241	1 Lever Dimmer - 240W Maximum
GL2 S2DLB242	2 Lever Dimmer - 240W Maximum

**\*Note: L.E.D. Bell Press Dimmer Switches 3 - 6 Lever as well as 4x4 Available on Request**

**\*NB for use with DIMMABLE GU10 Type Lamps ONLY - Minimum 4W - Maximum 240W**

#### **L.E.D. DIMMER SWITCHES 4 X 2 ROTARY SWITCHED POT 120W - COMPLETE**

GL2 S2DLR121	1 Lever Dimmer - 120W Maximum
GL2 S2DLR122	2 Lever Dimmer - 120W Maximum
GL2 S2DLR123	3 Lever Dimmer - 120W Maximum
GL2 S2DLR124	4 Lever Dimmer - 120W Maximum
GL2 S2DLR125	5 Lever Dimmer - 120W Maximum

**\*Note: L.E.D. Bell Press Dimmer Switches 1 - 5 Lever 4x4 Available on Request**

**\*NB for use with DIMMABLE GU10 Type Lamps ONLY - Minimum 6W - Maximum 120W**

- ISOLATORS 4 X 2
- ISOLATORS 4 X 4
- PAINT PROTECTIVE COVERS
- DECORATIVE COLOUR SURROUNDS

- **Durable UV Resistant Polycarbonate with Adjustable Mounting Holes**
- **16A Rated Switches - Supplied with Screws**
- **Fits standard 4 x 2 and 4 x 4 Wall boxes**
- **RCC Certificate No's: Switched Sockets 1008093, Isolators 1008094**

PART NUMBER	DESCRIPTION	SIZE	BOX QTY	CTN QTY	LIST PRICE
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#### ISOLATORS 4 X 2 - COMPLETE

GL2 I2220	Isolator 2 Pole 20A	4 x 2	5	80	
GL2 I2220I	Isolator 2 Pole 20A + Indicator	4 x 2	5	80	
GL2 I2230	Isolator 2 Pole 30A	4 x 2	5	80	
GL2 I2330	Isolator 3 Pole 30A	4 x 2	5	80	
GL2 I2245	Isolator 2 Pole 45A	4 x 2	5	80	
GL2 I2345	Isolator 3 Pole 45A	4 x 2	5	80	

#### ISOLATORS 4 X 4 - COMPLETE

GL2 I4245	Isolator 2 Pole 45A	4 x 4	5	80	
GL2 I4345	Isolator 3 Pole 45A	4 x 4	5	80	
GL2 I4260	Isolator 2 Pole 60A	4 x 4	5	80	
GL2 I4360	Isolator 3 Pole 60A	4 x 4	5	80	

#### PAINT PROTECTIVE COVERS

GL2 PC2001	Protective Cover - Protects Switch against Paint Splatter	4 x 2			
GL2 PC4001	Protective Cover - Protects Socket against Paint Splatter	4 x 4			

#### COLOUR SURROUNDS - 4 x 2

GL2 S201SP	Pearl Surround Only	30	4 x 2		
GL2 S202SCH	Champagne Surround Only	30	4 x 2		
GL2 S203ST	Titanium Surround Only	30	4 x 2		
GL2 S204SC	Copper Surround Only	30	4 x 2		
GL2 S205SB	Black Surround Only	30	4 x 2		

#### COLOUR SURROUNDS - 4 x 4

GL2 S401SP	Pearl Surround Only	20	4 x 4		
GL2 S402SCH	Champagne Surround Only	20	4 x 4		
GL2 S403ST	Titanium Surround Only	20	4 x 4		
GL2 S404SC	Copper Surround Only	20	4 x 4		
GL2 S405SB	Black Surround Only	20	4 x 4		



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P

- GRIDS - WHITE - SURROUNDS INCLUDED
- BLANK COVER PLATES - WHITE
- SPARE SURROUNDS
- FAN & UNDERFLOOR HEATING CONTROLLER

- Durable UV Resistant Polycarbonate with Adjustable Mounting Holes
- Fits standard 4 x 4 and 4 x 2 wall boxes
- Fan Controllers for 1 and Multiple Installation

PART NUMBER	DESCRIPTION	SIZE	BOX QTY	CTN QTY	LIST PRICE
-------------	-------------	------	---------	---------	------------

### GRID PLATES 4 X 2

GL2 G2001	Grid Plate 1 Lever	4 x 2	15	150	
GL2 G2001I	Grid Plate 1 Lever Large (Intermediate/Isolator Modules)	4 x 2	1	1	
GL2 G2002	Grid Plate 2 Lever	4 x 2	15	150	
GL2 G2002I	Grid Plate 2 Lever (1Lrg +1Sml) (Intermediate/Isolator Modules + 1 Switch)	4 x 2	1	1	
GL2 G2003	Grid Plate 3 Lever	4 x 2	15	150	
GL2 G2004	Grid Plate 4 Lever	4 x 2	15	150	
GL2 G2005	Grid Plate 5 Lever	4 x 2	15	150	
GL2 G2006	Grid Plate 6 Lever	4 x 2	15	150	

### GRID PLATES 4 X 4

GL2 G4001	Grid Plate 1 Lever	4 x 4	10	100	
GL2 G4002	Grid Plate 2 Lever	4 x 4	10	100	
GL2 G4003	Grid Plate 3 Lever	4 x 4	10	100	
GL2 G4004	Grid Plate 4 Lever	4 x 4	10	100	
GL2 G4005	Grid Plate 5 Lever	4 x 4	10	100	
GL2 G4006	Grid Plate 6 Lever	4 x 4	10	100	

### BLANK COVER PLATES - WHITE

GL2 B2001	Blank Cover	4 x 2	20	160	
GL2 B4001	Blank Cover	4 x 4	20	160	

### COVER PLATES SURROUNDS - WHITE

GL2 S200S	Cover Plate Surround	4 x 2	20	160	
GL2 S400S	Cover Plate Surround	4 x 4	20	160	

### UNDERFLOOR HEATING THERMOSTAT - 10°C - 40°C WITH LED INDICATION

GL2 T2009	Thermostat Underfloor Heating	4 x 2	1	1	
GL2 T4009	Thermostat Underfloor Heating	4 x 4	1	1	

### FAN CONTROLLER - SILENT TYPE WITH COVER

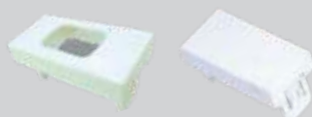
GL2 SFC201	1 Lever Fan Controller - 1 Fan	4 x 2	1		
GL2 SFC204	1 Lever Fan Controller - 4Amp	4 x 2	1		




MODULES FOR:

- STANDARD GRIDS
- DESKTOP & FLOOR BOXES
- POWER SKIRTING

- Various modules to suit all needs
- Material: UV resistant Polycarbonate
- Clip-in Modules to Suit
- Colour Surrounds



 \*Please Specify  
R=Red, BK=Black, BL=Blue

PART NUMBER	DESCRIPTION	BOX QTY	LIST PRICE
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**MODULES FOR STANDARD GRID PLATES**

GL2 MDAT	Data Module	20	
GL2 MSAT	Satellite Module	20	
GL2 MTV	Television Module	20	
GL2 MTEL	Telephone Module	20	
GL2 M001	16A 1 Way Switch Module	30	
GL2 M002	16A 2 Way Switch Module	30	
GL2 MBEL	16A Bell Press Module	30	
GL2 MDIM	Dim ON - OFF Module	30	
GL2 MBNK	Blanking Component	30	
GL2 MRED	Indicator Module Red	30	

**MODULES FOR NON-STANDARD GRID PLATES (FITS GL2 G20011 & GL2 G20021) \*SEE PAGE 37**





GL2 MISO	20A DP Switch Module	20	
GL2 MINT	Intermediate Switch Module	10	

**COMMUNICATION AND SWITCH MODULES FOR FLOOR, DESKTOP & POWER SKIRTING APPLICATIONS**

GL2 PSM01	Single Module Adaptor - Fits All Oracle Standard Modules	 S
GL2 PSBNK	Blanking Component	 S
GL2 MHDMI1	HDMI Socket - White	 S
GL2 MUSB2	Dual Port USB Charger - Twin White - 2A	 S

\*For application of Intermediate or 20A DP Module use Matrix Unit

**POWER SOCKET MODULES FOR FLOOR, DESKTOP & POWER SKIRTING APPLICATIONS**

GL2 MXMP001U	16A Single Unswitched Module	 S S
GL2 MXMP001E	16A Slimline Socket Module (new RSA Specification)	 S S
GL2 PS001	16A Single Switch Socket	 S S S
GL2 PD001*	16A Dedicated Switch Socket	 S S S

\*For application of Intermediate or 20A DP Module use Matrix Unit

**SELECT APPLICATION REQUIRED**

-  Fits Floor Carrier  Fits Desk Carrier  Fits Power Skirting

- POP-UP DESK & FLOOR HOUSINGS
- CREATE YOUR OWN COMBINATIONS

### UNPOPULATED FLUSH DESK HOUSING



#### GL2 CT8SR

Silver - 8 Way Flush Mount Housing for Desks, Counters & Cabinets

R 661.00



### SELECT MODULES BY COLOUR FROM PAGE 38

- Fits Floor Carrier
- Fits Desk Carrier
- Fits Power Skirting

### UNPOPULATED FLOOR HOUSING



#### GL2 FBAAS

Aluminium 3 Way Pop-Up - Square Housing



### UNPOPULATED FLOOR HOUSING



#### GL2 FB3BRS

Black Resin 3 Way Pop-Up - Square Housing



### UNPOPULATED FLOOR HOUSING



#### GL2 FB3WRS

White Resin 3 Way Pop-Up - Square Housing



### UNPOPULATED FLOOR HOUSING



#### GL2 FB3SSS

Stainless Steel 3 Way Pop-Up - Square Housing



### UNPOPULATED FLOOR HOUSING



#### GL2 FB3SSR

Stainless Steel 3 Way Pop-Up - Round Housing



### UNPOPULATED FLOOR HOUSING



#### GL2 FB3BRR

Black Resin 3 Way Pop-Up - Round Housing



### UNPOPULATED FLOOR HOUSING



#### GL2 FB3WRR

White Resin 3 Way Pop-Up - Round Housing



### UNPOPULATED FLOOR HOUSING

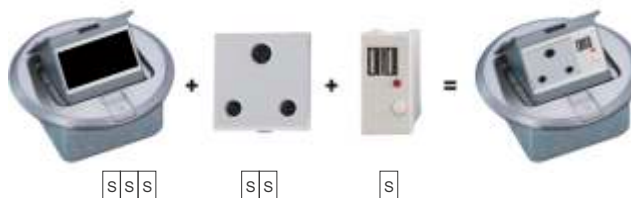


#### GL2 FB6SSR

Stainless Steel 6 Way Pop-Up - Rectangular Housing



### CREATE YOUR OWN COMBINATIONS



\*See Accessories on Page 38

### SYS45 RAPID

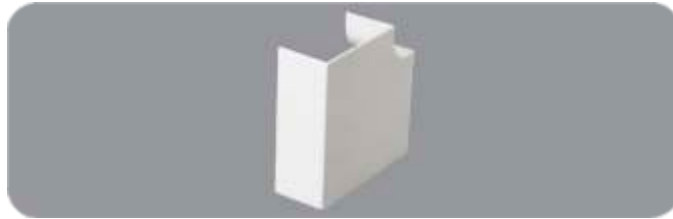
- POWER SKIRTING
- ACCESSORIES
- COMPATIBLE WITH MATRIX & ONESTO ORACLE RANGE ACCESSORIES
- DIRECT CLIP-IN FEATURE

#### POWER SKIRTING - SYS45 RAPID



**GL9 PSSYS1252**  
125 x 50 x 2  
2 Compartment Trunking White Ral9010

#### POWER SKIRTING - SYS45 RAPID



**GL9 PSLD125LBEU**  
L Joint For Flat Bend

#### POWER SKIRTING - SYS45 RAPID



**GL9 PSLD125IBEU**  
Inner Bend

#### POWER SKIRTING - SYS45 RAPID



**GL9 PSLD125EBEU**  
Outer Bend

#### POWER SKIRTING - SYS45 RAPID



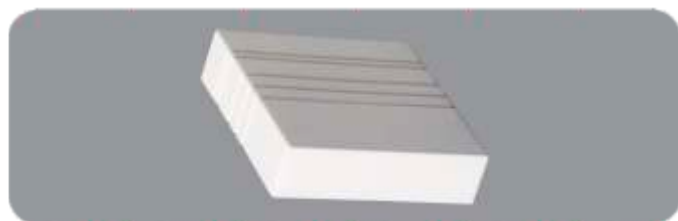
**GL9 PSLD125TBEU**  
T Joint For Wall Deviations

#### POWER SKIRTING - SYS45 RAPID



**GL9 PSSC045**  
Spare Cover

#### POWER SKIRTING - SYS45 RAPID



**GL9 PSSTT125BEU**  
End Cap For Above Trunking

#### POWER SKIRTING - SYS45 RAPID



**GL9 PSSGCOBEU**  
Cover Joint

\*COMPATIBLE WITH ONESTO ORACLE & MATRIX RANGE ACCESSORIES - DIRECT CLIP-IN

- BLACK GRAPHITE RANGE
- SWITCHES - BLACK
- SWITCHED SOCKETS - BLACK
- MODULES - BLACK

- Durable UV Resistant Polycarbonate with Adjustable Mounting Holes
- 16A, 20A Rated Switches - Supplied with Screws
- Fits standard 4 x 4 and 4 x 2 wall boxes
- RCC Certificate No's: (1-6 Lever 1 Way) 1008091, (1-6 Lever 2 Way) 1008092 (20A DP Switch) 1011205, Switched Sockets 1008093

PART NUMBER	DESCRIPTION	SIZE	BOX QTY	CTN QTY	LIST PRICE
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### SWITCHES - BLACK - 4 X 2 - COMPLETE WITH BLACK COVER PLATE

GL2 BS2011X	1 Lever 1 Way Switch	4 x 2	8	80	
GL2 BS2021X	2 Lever 1 Way Switch	4 x 2	8	80	
GL2 BS2031X	3 Lever 1 Way Switch	4 x 2	8	80	
GL2 BS2041X	4 Lever 1 Way Switch	4 x 2	8	80	
GL2 BS2051X	5 Lever 1 Way Switch	4 x 2	8	80	
GL2 BS2061X	6 Lever 1 Way Switch	4 x 2	8	80	
GL2 BS201BX	1 Lever Bell Press Switch	4 x 2	8	80	
GL2 BS2012X	1 Lever 2 Way Switch	4 x 2	8	80	
GL2 BS201IX	1 Lever Intermediate Switch	4 x 2	8	80	

NOTE: TITANIUM, PEARL, CHAMPAGNE & COPPER COVERS TO BE ORDERED SEPARATELY FROM PAGE 36

### SWITCHES - BLACK - 4 X 4 - COMPLETE WITH BLACK COVER PLATE

GL2 BS4011X	1 Lever 1 Way Switch	4 x 4	5	80	
GL2 BS4021X	2 Lever 1 Way Switch	4 x 4	5	80	
GL2 BS4031X	3 Lever 1 Way Switch	4 x 4	5	80	
GL2 BS4041X	4 Lever 1 Way Switch	4 x 4	5	80	
GL2 BS4051X	5 Lever 1 Way Switch	4 x 4	5	80	
GL2 BS4061X	6 Lever 1 Way Switch	4 x 4	5	80	

NOTE: TITANIUM, PEARL, CHAMPAGNE & COPPER COVERS TO BE ORDERED SEPARATELY FROM PAGE 36

### SWITCHED SOCKET OUTLETS - BLACK - 4 X 2 & 4 X 4 - COMPLETE WITH BLACK COVER PLATE

GL2 BP2001X	Single Switched Socket 16A Horizontal	4 x 2	5	80	
GL2 BP4001X	Single Switched Socket 16A	4 x 4	5	80	
GL2 BP4002X	Double Switched Socket 16A	4 x 4	5	80	
GL2 BP4011X	Single + Euro Switched Socket 16A	4 x 4	8	80	
GL2 BP4012X	Single SSO + 2 USB	4 x 4	5	80	

NOTE: TITANIUM, PEARL, CHAMPAGNE & COPPER COVERS TO BE ORDERED SEPARATELY FROM PAGE 36

### MODULES

GL2 BMDAT	Data Module		10	30	
GL2 BMSAT	Satellite Module		10	30	
GL2 BMTV	Television Module		10	30	
GL2 BMTEL	Telephone Module		10	30	
GL2 BM001	16A 1 Way Switch Module		10	30	
GL2 BM002	16A 2 Way Switch Module		10	30	
GL2 BMBEL	16A Bell Press Module		10	30	
GL2 BMDIM	Dim ON - OFF Module		10	30	
GL2 BMBNK	Blanking Component		10	30	
GL2 BMINT	Intermediate Module		10	30	
GL2 BMISO	20A Double Pole Isolator Module		10	30	



- ISOLATORS - BLACK
- GRIDS - BLACK
- BLANK COVER PLATES - BLACK

- **Durable UV Resistant Polycarbonate with Adjustable Mounting Holes**
- **Isolators - Supplied with Screws**
- **Fits standard 4 x 4 and 4 x 2 wall boxes**
- **RCC Certificate No's: Isolators 1008094**

PART NUMBER	DESCRIPTION	SIZE	BOX QTY	CTN QTY	LIST PRICE
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### ISOLATORS 4 X 2 & 4 X 4 - COMPLETE WITH BLACK COVER PLATE

GL2 BI2220X	Isolator 2 Pole 20A	4 x 2	5	80	
GL2 BI2245X	Isolator 2 Pole 45A	4 x 2	5	80	
GL2 BI4260X	Isolator 2 Pole 60A	4 x 4	5	80	
GL2 BI4360X	Isolator 3 Pole 60A	4 x 4	5	80	

*NOTE: TITANIUM, PEARL, CHAMPAGNE & COPPER COVERS TO BE ORDERED SEPARATELY FROM PAGE 36*

### GRID PLATES 4 X 2 - COMPLETE WITH BLACK COVER PLATE

GL2 BG2001X	Grid Plate 1 Lever	4 x 2	15	150	
GL2 BG2002X	Grid Plate 2 Lever	4 x 2	15	150	
GL2 BG2003X	Grid Plate 3 Lever	4 x 2	15	150	
GL2 BG2004X	Grid Plate 4 Lever	4 x 2	15	150	
GL2 BG2005X	Grid Plate 5 Lever	4 x 2	15	150	
GL2 BG2006X	Grid Plate 6 Lever	4 x 2	15	150	
GL2 BG2001IX	Grid Plate 1 Lever Large for 20A / Intermediate Switch				
GL2 BG2002IX	Grid Plate 2 Lever (1 Lrg + 1 Sml) for 20A / Intermediate + 1 Switch				

*NOTE: TITANIUM, PEARL, CHAMPAGNE & COPPER COVERS TO BE ORDERED SEPARATELY FROM PAGE 36*

### GRID PLATES 4 X 4 - COMPLETE WITH BLACK COVER PLATE

GL2 BG4001X	Grid Plate 1 Lever	4 x 4	10	100	
GL2 BG4002X	Grid Plate 2 Lever	4 x 4	10	100	
GL2 BG4003X	Grid Plate 3 Lever	4 x 4	10	100	
GL2 BG4004X	Grid Plate 4 Lever	4 x 4	10	100	
GL2 BG4005X	Grid Plate 5 Lever	4 x 4	10	100	
GL2 BG4006X	Grid Plate 6 Lever	4 x 4	10	100	

*NOTE: TITANIUM, PEARL, CHAMPAGNE & COPPER COVERS TO BE ORDERED SEPARATELY FROM PAGE 36*

### BLANK COVER PLATES - BLACK - COMPLETE

GL2 BB2001X	Blank Cover	4 x 2	20	160	
GL2 BB4001X	Blank Cover	4 x 4	20	160	

*NOTE: TITANIUM, PEARL, CHAMPAGNE & COPPER COVERS TO BE ORDERED SEPARATELY FROM PAGE 36*

# LUMEN 8

*Irreswitchable*

## EXCLUSIVE BESPOKE CUSTOM MADE ACCESSORIES

- SWITCHES & SOCKETS
- SMART LIGHTING CONTROL
- CLOCKS & LIGHTS



# Q-BIC

The inherent beauty and honesty of precision engineering provided the inspiration for the Q-BIC range. Form is dictated by function resulting in a no-frills design.

Crisp, clean lines give these cover plates the edge. Toggle levers and countersunk screws enhance the minimalist industrial aesthetic.

OPTIONS:	
FINISHES	STAINLESS STEEL ANODISED ALUMINIUM POWDER COATED BRASS
LEVERS	TOGGLE SPECIAL EDITION (white, black) POD (white, black) MODULAR (magnesium, white, black)
SOCKETS	COMPONENT (white, black) MODULAR (magnesium, white, black)
FIXING	SCREW (countersunk) CLIP-ON



# Q-BIC



Powder coated black with Toggle



Stainless steel with Modular



Brass with Pod



Stainless steel with Toggle, Single labels



Stainless steel with Toggle and thermostats



Stainless steel with Pod



Stainless steel with Toggle



Stainless steel with Modular



Powder coated white with Pod



Stainless steel with Special Edition and labels



Stainless steel with Special Edition



Stainless steel with Special Edition

Contact local GLOELEC Branch for pricing and assistance.



# ICE

The ICE range combines the playfulness of Pop Art with the elegance of modern design.

The cover plates appear to be encapsulated in ice cubes. A wide choice of colours is possible with white and mint being standard.

OPTIONS:	
FINISHES	WHITE MINT CUSTOM COLOURS
LEVERS	TOGGLE POD (white, black) MODULAR (magnesium, white, black)
SOCKETS	COMPONENT (white, black) MODULAR (magnesium, white, black)
FIXING	CLIP-ON



# ICE



Custom colour with Toggle  
Indicator lights and Triple label



Custom colour with Toggle



White with Toggle



Custom colour with Digital Thermostat



White with Modular



Mint with Modular



White with shaver



Custom colour with Pod and Single labels



White with Pod



Mint with Toggle



Custom colour with Modular



Custom colour with Modular

Contact local GLOELEC Branch for pricing and assistance.

# RAW

The shapes and textures of cast concrete structures provide the inspiration for this range. The refined design which incorporates bevelled edges, echoes these forms. A shadow line gives these cover plates a floating appearance.

Other materials suggestive of natural stone also lend themselves to this concept and are utilised in the RAW range.

OPTIONS:	
FINISHES	CONCRETE PEARL GREY DEEP GREY GRAPE GREEN
LEVERS	POD (white, black) MODULAR (magnesium, white, black)
SOCKETS	MODULAR (magnesium, white, black)
FIXING	CLIP-ON



# RAW



Concrete with Pod



Concrete with Pod



Deep Grey with Pod



Concrete with Modular



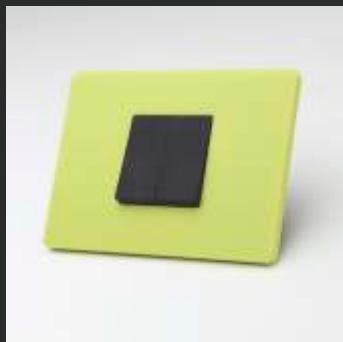
Concrete with Modular



Concrete with Modular USB chargers



Concrete with Pod



Grape Green with Modular



Concrete with Modular



Concrete with Pod, Triple labels



White with Modular



Grape Green with Pod

Contact local GLOELEC Branch for pricing and assistance.



# ELEMENT

The luxurious ELEMENT range is inspired by Art Deco elegance, a time which embraced both handcraft and machine production.

The generously rounded edges and plush finish are reminiscent of that era and require specialised hand finishing, resulting in each cover plate being slightly unique.

OPTIONS:	
FINISHES	STAINLESS STEEL BRASS
LEVERS	TOGGLE SPECIAL EDITION (white, black) POD (white, black) MODULAR (magnesium, white, black)
SOCKETS	COMPONENT (white, black) MODULAR (magnesium, white, black)
FIXING	SCREW (button-head) CLIP-ON



# ELEMENT



Stainless steel with Special Edition



Stainless steel with Pod



Stainless steel with Toggle and Double labels



Stainless steel with Special Edition



Stainless steel with Modular



Brass with Toggle



Stainless steel with Special Edition



Stainless steel with Modular



Stainless steel with Modular



Stainless steel with Pod



Stainless steel with shaver

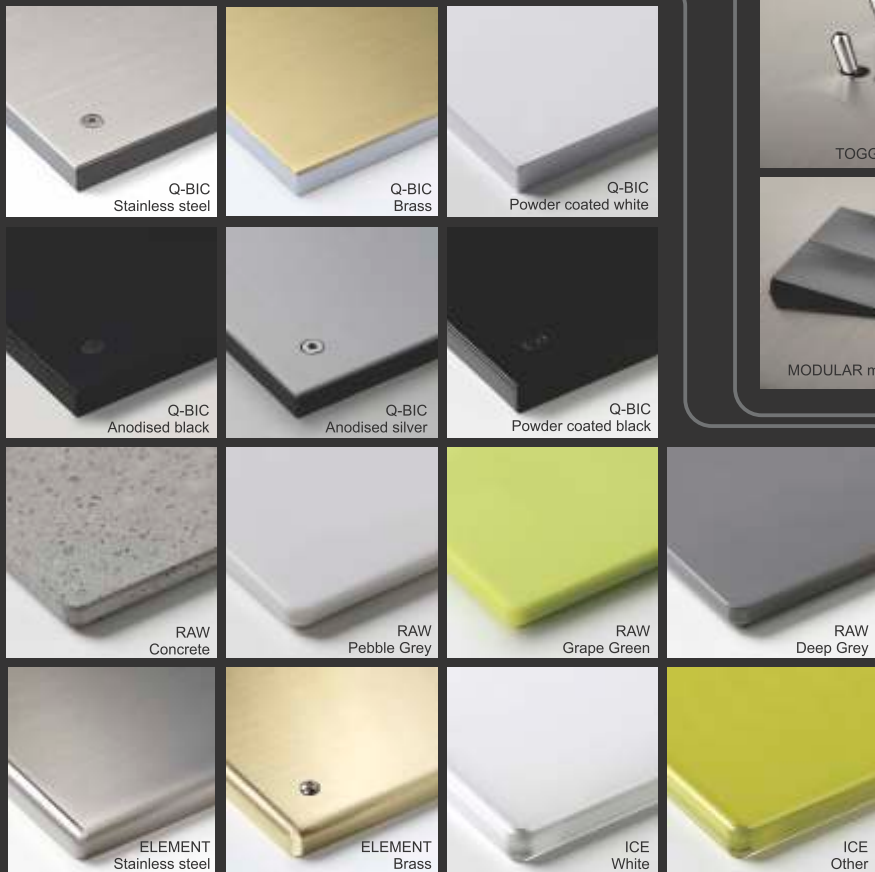


Stainless steel with Toggle and indicator light

Contact local GLOELEC Branch for pricing and assistance.

## BESPOKE SWITCHES OPTIONS SUMMARY

### COVER PLATES & FINISHES



### LEVERS



### CUSTOM SWITCHES



### OUTDOOR SOCKETS



Contact local GLOELEC Branch for pricing and assistance.

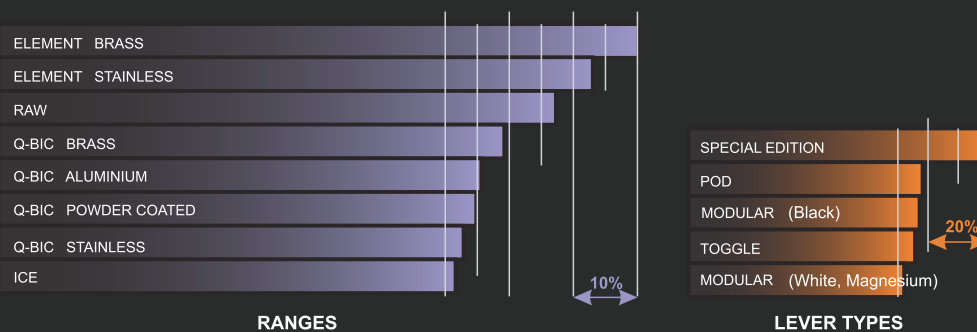
## BESPOKE SWITCHES OPTIONS SUMMARY cont.

### SOCKETS



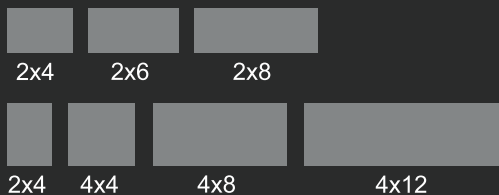
### COST COMPARISON

COMPARE how RANGE and LEVER TYPES affect order prices



### WALL BOX SIZES

#### SOUTH AFRICA



#### UK



#### GERMANY



### FIXING



SCREW fixing for Q-BIC



SCREW fixing for ELEMENT



CLIP-on

### LABELS

#### SINGLE label



#### DOUBLE label



#### TRIPLE label



Contact local GLOELEC Branch for pricing and assistance.





# SMART LIGHTING CONTROL

## MOODZONE

Simple lighting automation for use in open plan areas

The ambience created by good lighting accentuates architecture and produces a calming environment.

MOODZONE, our Smart Lighting Control System, allows light to magically transform your home interior.

Your specific pre-set MOODS are easily programmed with a wall controller. A simple press of a button then adjusts several lights to the required MOOD such as "Relax" or "Entertain". A REMOTE control lets you select MOODS from your couch.

The ZONE controller allows individual lights to be adjusted. For example, the kitchen under-counter lights can be brightened or dimmed within the current MOOD.

All the lights can be turned on or off with one press of a button. For added security, your lights can be set to activate at various times in your absence with an EVENTS MANAGER.

MOODZONE is a wired system for reliability. Let us assist in the planning of your lighting wiring layout during initial design stages and later with installation.

For complex full automation requirements, we work closely with other specialists in this field, allowing you to still have the LUMEN8 cover plates of your choice to match socket outlets.



ZONE controller on RAW



6 channel dimmer unit



MOOD & ZONE controller on Q-BIC



MOOD controller on RAW



MOOD buttons



EVENTS MANAGER and MOOD controller

Technical Wiring Diagrams on Page 199 - 200

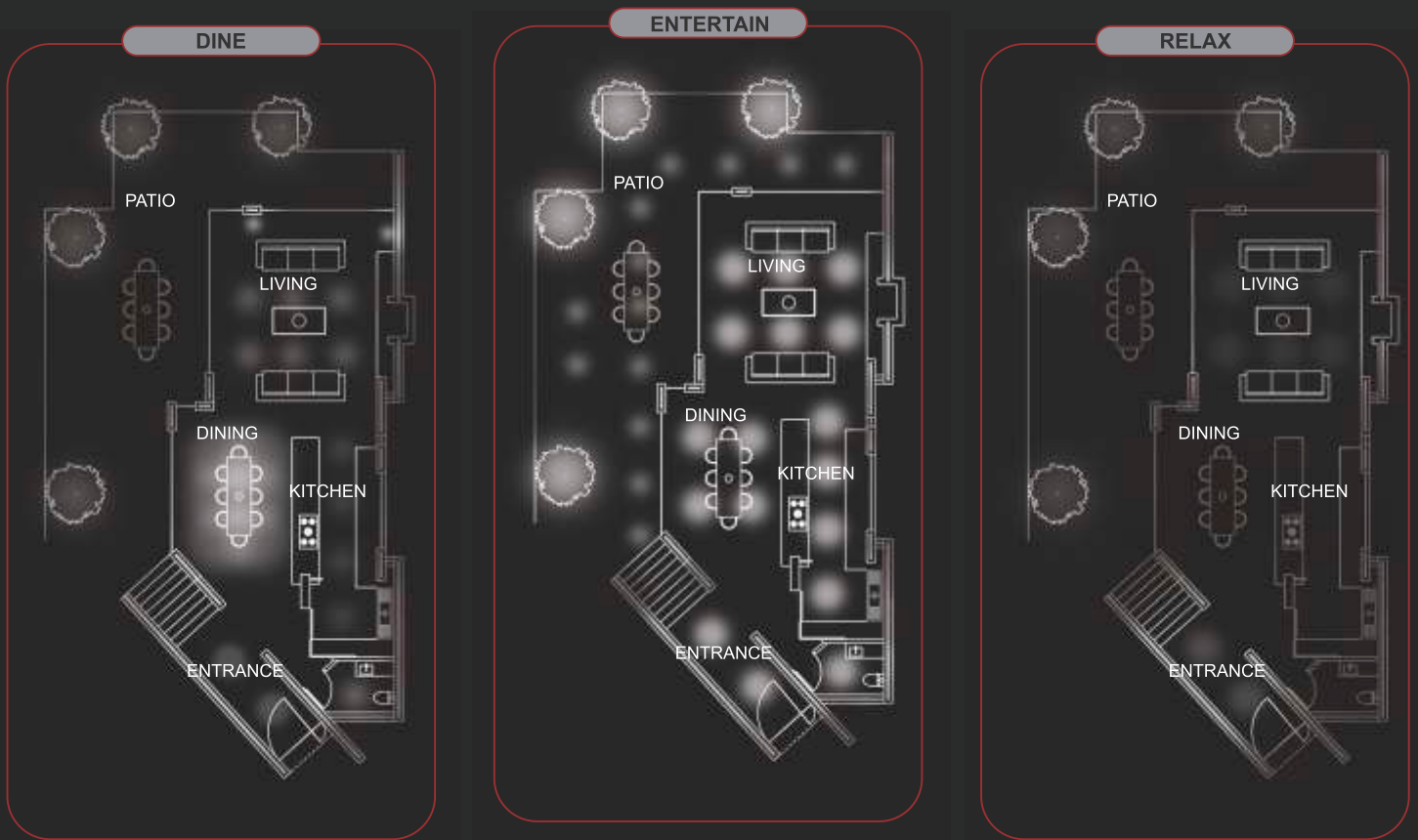
Contact local GLOELEC Branch for pricing and assistance.



## MOODZONE

Simple lighting automation for use in open plan areas

Set the scene effortlessly... one press of a button magically transforms your lighting.



Technical Wiring Diagrams on Page 199 - 200

Contact local GLOELEC Branch for pricing and assistance.

## CLOCKS & LIGHTS

LUMEN8 and ABOUT TIME have collaborated to create a unique sculptural timepiece.

### ABOUT TIME



Oak frame. Anthrasite clock face.

In our opinion clocks have remained unchanged for far too long. ABOUT TIME now displays time in a beautiful and innovative way. Every hour forms a circle of light indicating minutes past the hour, creating an ever-changing ethereal 2-dimensional sculpture.

ABOUT TIME is not just a pretty face. A gentle touch activates the back light or dims the display. The alarm with snooze function can simulate dawn by gradually brightening the back light 20 minutes before the alarm.

ABOUT TIMEs are manufactured to your personal preferences, allowing you to choose the frame, face and desk or wall mount options.

Love every minute ..... its ABOUT TIME!



Black Corian frame. Anthrasite clock face.

### ABOUT LITE



Black Corian frame. Green clock face.

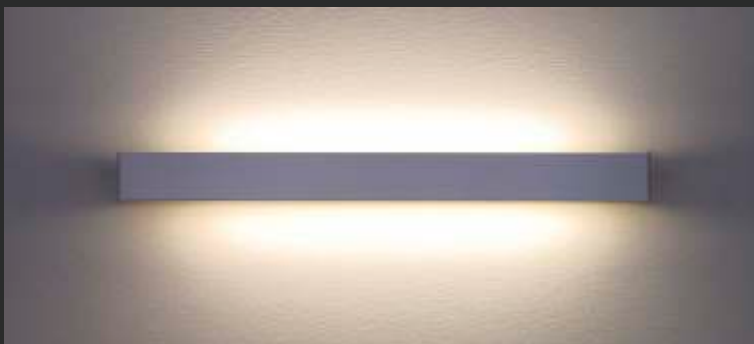
ABOUT LITES are based on the ingenious ABOUT TIME clock design. These lights have independently lit front and back panels which can be dimmed or turned off with a soft touch. Energy efficient and good looking, ABOUT LITES add a timeless element to your living space.



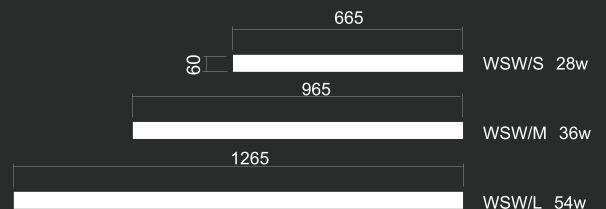
Oak frame. White light face.

### STRIPLIGHT

Our stainless steel strip lights use energy efficient, long lasting fluorescent T5 lamps. Standard endcap colours are white and silver but custom colours are also possible.



WSW 28w with silver endcaps



Contact local GLOELEC Branch for pricing and assistance.

- BRITISH STANDARD
- 10A, 13A & 16A
- SWITCHES
- SWITCHED SOCKETS

- *Durable UV resistant Polycarbonate*
- *10A, 13A & 16A Rated Switches*
- *Sizes: 86 x 86mm & 86 x 146mm*
- *Conforms to IEC/BSEN 60669, BS1363, BS546, 16A Schuko: IEC60884, 16A Universal: 5733 • For Export Only*

PART NUMBER	DESCRIPTION	LIST PRICE
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### 1 WAY SWITCHES

GL2 SES3011	10A 1 Lever 1 Way Switch	
GL2 SES3021	10A 2 Lever 1 Way Switch	
GL2 SES3031	10A 3 Lever 1 Way Switch	
GL2 SES3041	10A 4 Lever 1 Way Switch	

### 2 WAY SWITCHES

GL2 SES3012	10A 1 Lever 2 Way Switch	
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### INTERMEDIATE SWITCHES

GL2 SES301I	10A 1 Lever Intermediate Switch	
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### BELL SWITCH

GL2 SES301B	1 Lever Bell Push Switch 10 A	
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### 20A DOUBLE POLE SWITCHES

GL2 SEI3220	20A 1 Lever Double Pole Switch	
GL2 SEI3220I	20A 1 Lever Double Pole Switch with Indication	

### 32A / 45A DOUBLE POLE SWITCHES

GL2 SEI3232I	32A 1 Lever Double Pole Switch with Indication	
GL2 SEI3245I	45A 1 Lever Double Pole Switch with Indication	

### TELEPHONE, TV, DATA & FM SOCKETS

GL2 SE3TEL1	1 Gang RJ11 4 Wire American Telephone Socket	
GL2 SE3TEL2	2 Gang RJ11 4 Wire American Telephone Socket	
GL2 SE3TVFM	Single Isolated TV / FM Socket	
GL2 SE3TVFMDI	Double Isolated TV / FM Socket	
GL2 SE3TELBTM	1 Gang BT Telephone Socket (Master)	
GL2 SE3TELBTS	1 Gang BT Telephone Socket (Secondary)	

### FAN CONTROLLERS & DIMMERS

GL2 SE3F01	1 Gang 200VA Fan Regulator with 1 Lever Switch	
GL2 SED301	1 Gang 1000W/450A Dimmer with 1 Lever Switch	
GL2 SES301	Shaver Supply unit Dual Voltage 115 / 230V output 230V input	



- BRITISH STANDARD
- 10A, 13A & 16A
- SWITCHES
- SWITCHED SOCKETS

- *Durable UV resistant Polycarbonate*
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PART NUMBER	DESCRIPTION	LIST PRICE
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### 13A / 16A SWITCHES

GL2 SEP3113	13A 1 Gang Switched Socket	
GL2 SEP6313	13A 2 Gang DP Switched Socket	

### 16A SCHUKO SOCKETS

GL2 SEP3116S	16A 1 Gang Schuko Socket	
GL2 SEP6216S	16A 2 Gang Schuko Socket	

### 15A / 16A SOCKETS

GL2 SEP315	15A 1 Gang Switched Socket	
GL2 SEP31642	16A 1 Gang Switched 2 Pin Universal Socket	
GL2 SEP316V3	16A 1 Gang Switched 3 Pin Universal Socket	

### BLANK PLATES

GL2 SEB3001	1 Gang Blank	
GL2 SEB6001	2 Gang Blank	

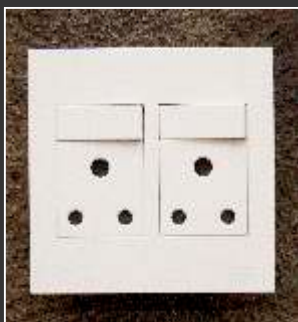
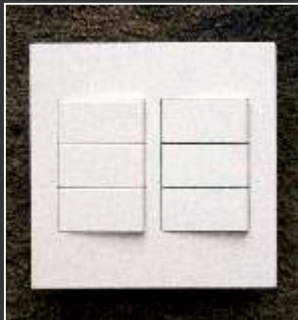
### SURROUNDS

GL2 SES300S	1 Gang Surround Only	
GL2 SES600S	2 Gang Surround Only	

### MODULES

GL2 SEMBEL	10A Bell Switch Module	
GL2 SEM001	10A 1 Lever Switch Module	
GL2 SEM002	10A 1 Lever 2 Way Switch Module	
GL2 SEMINT	10A Intermediate Switch Module	

EFFORTLESS SWITCHING  
FULLY MODULAR SYSTEM  
BREATHLESS AESTHETICS



PROJECT DESIGNER'S CHOICE



REFER TO FULL  
MATRIX CATALOGUE  
OR VISIT  
[www.gloelecportal.co.za](http://www.gloelecportal.co.za)

- SWITCHES & SOCKETS
- ENCLOSURES
- MODULES

- Flip Lid with weatherproof PVC cover
- Suitable for Workshops & Outdoor areas
- All Boxes accept Matrix Modular Accessories



PART NUMBER	DESCRIPTION	IP RATING	MODULE	LIST PRICE
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### IP55 WEATHERPROOF SURFACE MOUNT SWITCH SOCKETS AND SWITCHES

GL2 SW11	1 Lever	IP55	1 Module	
GL2 SW02	2 Lever	IP55	2 Module	
GL2 SW03	3 Lever	IP55	3 Module	
GL2 SW04	4 Lever	IP55	4 Module	
GL2 SW06	6 Lever	IP55	6 Module	
GL2 SW01B	Bell push	IP55	1 Module	
GL2 SW12	1 Lever 2 Way	IP55	1 Module	
GL2 PW01SM	Schuko Socket	IP55	1 Module	
GL2 PW01	16A Switch Socket	IP55	1 Module	
GL2 PW01E	16A Euro Socket	IP55	1 Module	
GL2 SW012	20A 2P Isolator	IP55	1 Module	

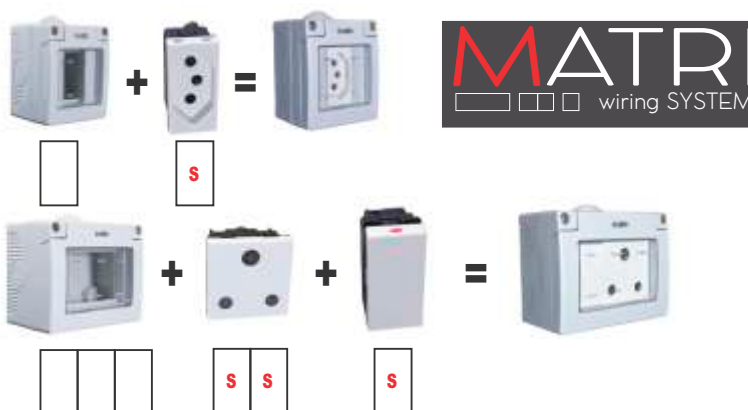
### ENCLOSURES

GL2 SW1E	1 Compartment Enclosure	IP55	1 Module	
GL2 SW2E	2 Compartment Enclosure	IP55	2 Module	
GL2 SW3E	3 Compartment Enclosure	IP55	3 Module (For Switched Socket)	
GL2 SW4E	4 Compartment Enclosure	IP55	4 Module	
GL2 SW6E	6 Compartment Enclosure	IP55	6 Module	

### MODULES

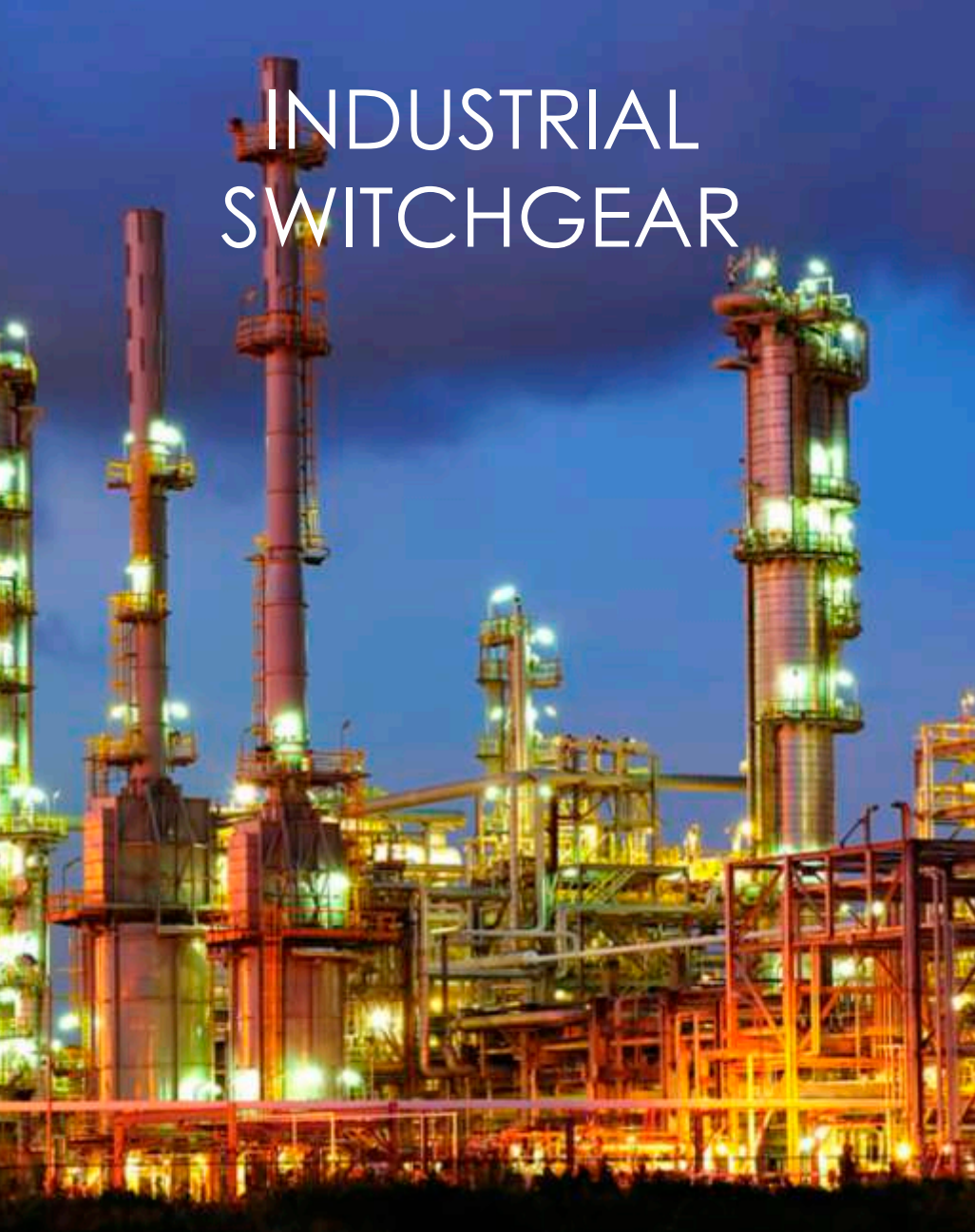
GL2 MXM001	Spare 1 Lever Switch	-	1 Module	
GL2 MXM002	Spare 1 Lever 2 Way Switch	-	1 Module	
GL2 MXMBELL	Spare Bell Push	-	1 Module	
GL2 MXMP001H	RSA SSO Module	-	2 Module	
GL2 MXMP001E	Euro SSO Module	-	1 Module	
GL2 MXMP001U	RSA Unswitched Socket Module	-	2 Module	

### CREATE YOUR OWN COMBINATION





# INDUSTRIAL SWITCHGEAR



## POWER2CONTROL

### COMPLIANCY SPECIFICATIONS

Manufactured to IEC Quality Standards - Various Approvals as per Product Group

NRCS Registered - RCC Certified: Motor Control Gear - Variable Speed Drive - Relays & Bases - DC Isolators

Timers & Process Controllers - Panel Accessories - Busbar Systems - Rotary Isolators - Rotary Changeover Switches



MORSETTITALIA





- 3 POLE
- AC COIL INCLUDED

- **DIN rail mount.**
- **Price includes coil.**
- **50-60 Hz**
- **RCC Certificate No: 1001018**

PART NUMBER	CURRENT RATING		400V		AUXILIARY CONTACT	DIMENSIONS H x W x D	LIST PRICE
	AC3	AC1	kW	HP			

### AC MINI MAGNETIC CONTACTORS - 9 Amp / 12 Amp / 18 Amp - Normally Open or Closed

GL3 M0610	6A	16A	2,2	3	1NO	55 x 44 x 44mm
GL3 M0601	6A	16A	2,2	3	1NC	55 x 44 x 44mm
GL3 M0910	9A	20A	4	5,5	1NO	55 x 45 x 50mm
GL3 M0901	9A	20A	4	5,5	1NC	55 x 45 x 50mm
GL3 M1210	12A	25A	5,5	7,5	1NO	55 x 45 x 50mm
GL3 M1201	12A	25A	5,5	7,5	1NC	55 x 45 x 50mm
GL3 M1610	16A	20A	7,5	10	1NO	55 x 45 x 50mm
GL3 M1601	16A	20A	7,5	10	1NC	55 x 45 x 50mm

### AC MAGNETIC CONTACTORS - 9 Amp / 12 Amp / 18 Amp - Normally Open or Closed

GL3 D0910	9A	20A	4	5,5	1NO	74 x 45 x 80mm
GL3 D0901	9A	20A	4	5,5	1NC	74 x 45 x 80mm
GL3 D1210	12A	25A	5,5	7,5	1NO	74 x 45 x 80mm
GL3 D1201	12A	25A	5,5	7,5	1NC	74 x 45 x 80mm
GL3 D1810	18A	35A	7,5	10	1NO	74 x 45 x 80mm
GL3 D1801	18A	32A	7,5	10	1NC	74 x 45 x 80mm

### AC MAGNETIC CONTACTORS - 25 Amp to 32 Amp - Normally Open or Closed

GL3 D2510	25A	40A	11	15	1NO	85 x 56 x 93mm
GL3 D2501	25A	40A	11	15	1NC	85 x 56 x 93mm
GL3 D3210	32A	50A	15	20	1NO	85 x 56 x 93mm
GL3 D3201	32A	50A	15	20	1NC	85 x 56 x 93mm
GL3 D3810	38A	50A	15	20	1NO	85 x 56 x 93mm
GL3 D3801	38A	50A	15	20	1NC	85 x 56 x 93mm

### AC MAGNETIC CONTACTORS - 40 Amp to 95 Amp - Normally Open & Closed

GL3 D4011	40A	60A	18,5	125	1 + 1	125 x 75 x 114mm
GL3 D5011	50A	80A	22	30	1 + 1	125 x 75 x 114mm
GL3 D6511	65A	80A	30	40	1 + 1	125 x 75 x 114mm
GL3 D8011	80A	125A	37	50	1 + 1	125 x 75 x 114mm
GL3 D9511	95A	125A	45	60	1 + 1	125 x 75 x 114mm

### AC MAGNETIC CONTACTORS - 115 Amp to 800 Amp

GL3 F115	115A	200A	55	75	-	162 x 164 x 165mm
GL3 F150	150A	250A	75	100	-	162 x 164 x 165mm
GL3 F185	185A	275A	90	125	-	174 x 169 x 176mm
GL3 F225	225A	300A	110	150	-	174 x 169 x 176mm
GL3 F265	265A	350A	132	180	-	203 x 202 x 207mm
GL3 F330	330A	400A	160	220	-	206 x 206 x 213mm
GL3 F400	400A	500A	220	300	-	206 x 206 x 213mm
GL3 F500	500A	700A	275	400	-	238 x 233 x 226mm
GL3 F630	630A	1000A	375	500	-	300 x 310 x 250mm
GL3 F800	800A	1250A	450	610	-	300 x 310 x 255mm

- 4 POLE
- AC COIL INCLUDED
- CONTROL RELAYS

- **DIN rail mount.**
- **Price includes coil.**
- **50-60 Hz**
- **RCC Certificate No: 1001018**

PART NUMBER	CURRENT RATING		400V		MAIN CONTACT	DIMENSIONS H x W x D	LIST PRICE
	AC3	AC1	kW	HP			

### AC 4 POLE CONTACTORS

GL3 D12004	12A	25A	5,5	7,5	4 NO	74 x 45 x 80mm
GL3 D12008	12A	25A	5,5	7,5	2 NO + 2 NC	74 x 45 x 80mm
GL3 D25004	25A	40A	11	15	4 NO	85 x 56 x 93mm
GL3 D25008	25A	40A	11	15	2 NO + 2 NC	85 x 56 x 93mm
GL3 D40004	40A	60A	18,5	25	4 NO	125 x 80 x 114mm
GL3 D40008	40A	60A	18,5	25	2 NO + 2 NC	125 x 80 x 125mm
GL3 D50004	50A	80A	22	30	4 NO	125 x 85 x 114mm
GL3 D50008	50A	80A	22	30	2 NO + 2 NC	125 x 85 x 125mm
GL3 D65004	65A	80A	30	40	4 NO	125 x 85 x 114mm
GL3 D65008	65A	80A	30	40	2 NO + 2 NC	125 x 75 x 128mm
GL3 D80004	80A	125A	37	50	4 NO	125 x 95 x 120mm
GL3 D80008	80A	125A	37	50	2 NO + 2 NC	125 x 95 x 135mm
GL3 D95004	95A	125A	45	60	4 NO	125 x 95 x 120mm
GL3 D95008	95A	125A	45	60	2 NO + 2 NC	125 x 95 x 135mm

### AC 4 POLE CONTACTORS

GL3 F1154	115A	200A	55	75	-	162 x 200 x 170mm
GL3 F1504	150A	250A	75	100	-	170 x 200 x 170mm
GL3 F1854	185A	275A	90	125	-	175 x 210 x 185mm
GL3 F2254	225A	300A	110	150	-	200 x 210 x 185mm
GL3 F2654	265A	350A	132	180	-	205 x 245 x 215mm
GL3 F3304	330A	400A	160	220	-	210 x 260 x 220mm
GL3 F4004	400A	500A	220	300	-	210 x 260 x 220mm
GL3 F5004	500A	700A	275	400	-	240 x 280 x 230mm
GL3 F6304	630A	1000A	375	500	-	300 x 380 x 250mm

### CONTROL RELAYS

GL3 JZC422	10A	CONTROL RELAY	2 NO + 2 NC
GL3 JZC431	10A	CONTROL RELAY	3 NO + 1 NC
GL3 JZC440	10A	CONTROL RELAY	4 NO

Available in voltages: 12V, 24V, 48V, 110V, 230V, 415V, 525VAC

- COILS
- INTERLOCKS
- AUXILIARIES
- PNEUMATIC TIMERS

- **Coils operate at 50-60Hz**
- **Various sizes and voltages available**
- **Clip-on auxiliary blocks**
- **Delay-On and Off timers**

PART NUMBER	DESCRIPTION	TO FIT CONTACTOR	LIST PRICE
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### COILS

GL3 0612*	AC Magnetic Coil	GL3 MO6-12
GL3 0918*	AC Magnetic Coil	GL3 D09-18
GL3 2532*	AC Magnetic Coil	GL3 D25-32
GL3 4095*	AC Magnetic Coil	GL3 D40-95
GL3 4095B	Base for Coil	GL3 D40-95
GL3 115150*	AC Magnetic Coil	GL3 F115-150
GL3 185225*	AC Magnetic Coil	GL3 F185-225
GL3 265330*	AC Magnetic Coil	GL3 F265-330
GL3 400*	AC Magnetic Coil	GL3 F400
GL3 500*	AC Magnetic Coil	GL3 F500
GL3 630*	AC Magnetic Coil	GL3 F630

Available voltages: (\*) 12V, 24V, 48V, 110V, 230V, 415V, 525V AC Only

### AUXILIARY CONTACT BLOCKS

GL3 F402	Top Mount Clip-on Auxiliary Block	0 NO & 2 NC
GL3 F411	Top Mount Clip-on Auxiliary Block	1 NO & 1 NC
GL3 F420	Top Mount Clip-on Auxiliary Block	2 NO & 0 NC
GL3 F422	Top Mount Clip-on Auxiliary Block	2 NO & 2 NC
GL3 F440	Top Mount Clip-on Auxiliary Block	4 NO & 0 NC
GL3 F404	Top Mount Clip-on Auxiliary Block	0 NO & 4 NC
GL3 F413	Top Mount Clip-on Auxiliary Block	1 NO & 3 NC
GL3 F431	Top Mount Clip-on Auxiliary Block	3 NO & 1 NC

Suitable for Contactors **GL3 D09 - F630**

GL3 LA8DN11	Side Mount Clip-On Auxiliary Block	1 NO & 1 NC
GL3 LA8DN20	Side Mount Clip-On Auxiliary Block	2 NO & 0 NC

Suitable for Contactors **GL3 D09 - D65**

### PNEUMATIC TIMERS

GL3 LA2D22	Clip-on Pneumatic Timer - Delay On	0 - 30 seconds
GL3 LA2D44	Clip-on Pneumatic Timer - Delay On	10 - 180 seconds
GL3 LA2D66	Clip-on Pneumatic Timer - Delay Off	0 - 30 seconds

Suitable for Contactors **GL3 D09 - F630**

### MECHANICAL INTERLOCK

GL3 MID01	Mechanical Interlock	GL3 D09-32
GL3 MID02	Mechanical Interlock	GL3 D40-65
GL3 MID03	Mechanical Interlock	GL3 D80-95
GL3 MIF01	Mechanical Interlock	GL3 F115-150
GL3 MIF02	Mechanical Interlock	GL3 F185-225
GL3 MIF03	Mechanical Interlock	GL3 F265-330
GL3 MIF04	Mechanical Interlock	GL3 F400
GL3 MIF05	Mechanical Interlock	GL3 F500
GL3 MIF06	Mechanical Interlock	GL3 F630

### CONTACTOR KITS

GL3 MA5F115	Spare Fixed & Moving Contact Tips
GL3 MA5F150	Spare Fixed & Moving Contact Tips
GL3 MA5F185	Spare Fixed & Moving Contact Tips
GL3 MA5F225	Spare Fixed & Moving Contact Tips
GL3 MA5F265	Spare Fixed & Moving Contact Tips
GL3 MA5F330	Spare Fixed & Moving Contact Tips
GL3 MA5F400	Spare Fixed & Moving Contact Tips
GL3 MA5F500	Spare Fixed & Moving Contact Tips



## OVERLOADS

- THERMAL BI-METAL
- OVERLOAD ACCESSORIES

- Thermal Bi-metal
- Available in Small, Medium, Large & Extra Large Frame.
- RCC Certificate No: 1001017

PART NUMBER	CURRENT RATING AMPS	400V kW	HP	DIMENSIONS H x W x D	LIST PRICE
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### SMALL FRAME - SUITABLE FOR GL3 D09 - D32 CONTACTORS

GL3 D13025	0.16 - 0.25	0.06	-	90 x 44 x 60 mm	
GL3 D1304	0.25 - 0.40	0.09	1/8	90 x 44 x 60 mm	
GL3 D1306	0.40 - 0.63	0.20	1/4	90 x 44 x 60 mm	
GL3 D1310	0.63 - 1.0	0.37	1/2	90 x 44 x 60 mm	
GL3 D1316	1.0 - 1.6	0.55	3/4	90 x 44 x 60 mm	
GL3 D1325	1.6 - 2.5	0.75	1	90 x 44 x 60 mm	
GL3 D1340	2.5 - 4.0	1.5	2	90 x 44 x 60 mm	
GL3 D1360	4.0 - 6.0	2.2	3	90 x 44 x 60 mm	
GL3 D1380	5.5 - 8	3.0	4	90 x 44 x 60 mm	
GL3 D13100	7 - 10	4.0	5	90 x 44 x 60 mm	
GL3 D13130	9 - 13	5.5	7.5	90 x 44 x 60 mm	
GL3 D13180	12 - 18	7.5	10	90 x 44 x 60 mm	
GL3 D13250	17 - 25	11	15	90 x 44 x 60 mm	
GL3 D13320	23 - 32	15	20	90 x 44 x 60 mm	

### MEDIUM FRAME - SUITABLE FOR GL3 D25 - D38 CONTACTORS

GL3D23320	23 - 32	15	20	90 x 54 x 70 mm	
GL3D23400	30 - 40	18.5	25	90 x 54 x 70 mm	

### LARGE FRAME - SUITABLE FOR GL3 D40 - D95 CONTACTORS

GL3 D33320	23 - 32	15	20	112 x 74 x 80 mm	
GL3 D33360	28 - 36	18.5	25	112 x 74 x 80 mm	
GL3 D33400	30 - 40	18.5	25	112 x 74 x 80 mm	
GL3 D33500	37 - 50	22	30	112 x 74 x 80 mm	
GL3 D33650	48 - 65	30	40	112 x 74 x 80 mm	
GL3 D33700	55 - 70	30	40	112 x 74 x 80 mm	
GL3 D33800	63 - 80	37	50	112 x 74 x 80 mm	
GL3 D33930	80 - 93	45	60	112 x 74 x 80 mm	
GL3 D43120	95 - 120	55	75	112 x 95 x 135 mm	
GL3 D43140	110 - 140	70	100	112 x 95 x 135 mm	

### EXTRA LARGE FRAME - SUITABLE FOR F RANGE CONTACTORS

GL3 F200150	90 - 150	75	100	112 x 95 x 135 mm	
GL3 F200220	132 - 220	110	150	112 x 95 x 135 mm	
GL3 F630330	200 - 330	160	220	155 x 140 x 135 mm	
GL3 F630500	300 - 500	250		155 x 140 x 135 mm	
GL3 F630630	380 - 630	315		155 x 140 x 135 mm	

### OVERLOAD ACCESSORIES

GL3 CA7D13	Free Standing Base Small for Overloads GL3 D13				
GL3 CA7D23	Free Standing Base Medium for Overloads GL3 D23				
GL3 CA7D33	Free Standing Base Large for Overloads GL3 D33/D43				



- EMPTY ENCLOSURES
- ENCLOSED
- ENCLOSED WITH ISOLATOR

- **IP65 Rating**
- **Available with or without overload**
- **Suitable for Motor starting, Pumps, etc**
- **RCC Certificate No: 1001018, 1001017**



PART NUMBER	DESCRIPTION	OVERLOAD REFERENCE	LIST PRICE
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### DOL STARTER IP65 ENCLOSURE ONLY

GL3 D123EH	DOL Empty Housing - With pushbuttons		
GL3 D185EH	DOL Empty Housing - With pushbuttons		
GL3 D255EH	DOL Empty Housing - With pushbuttons		

### DOL STARTER - NO OVERLOAD IP65 ENCLOSURE

GL3 D123	5.5 kW	7.5 HP	DOL - No O/Load
GL3 D185	7.5 kW	10 HP	DOL - No O/Load
GL3 D255	11 kW	15 HP	DOL - No O/Load
GL3 D323	15 kW	20 HP	DOL - No O/Load

### DOL STARTER - WITH OVERLOAD IP65 ENCLOSURE

GL3 D123010	0.37 kW	1/2 HP	0.63 - 1 A
GL3 D123016	0.55 kW	3/4 HP	1.0 - 1.6 A
GL3 D123020	0.75 kW	1 HP	1.25 - 2.0 A
GL3 D123025	1.1 kW	1.5 HP	1.6 - 2.5 A
GL3 D123040	1.5 kW	2 HP	2.5 - 4.0 A
GL3 D123060	2.2 kW	3 HP	4.0 - 6.0 A
GL3 D123080	3.0 kW	4 HP	5.5 - 8 A
GL3 D123100	4 kW	5 HP	7 - 10 A
GL3 D123130	5.5 kW	7.5 HP	9 - 13 A
GL3 D123180	7.5 kW	10 HP	12 - 18 A
GL3 D123250	11 kW	15 HP	17 - 25 A
GL3 D123320	15 kW	20 HP	23 - 32 A

### DOL STARTER - WITH OVERLOAD IP41 ENCLOSURE

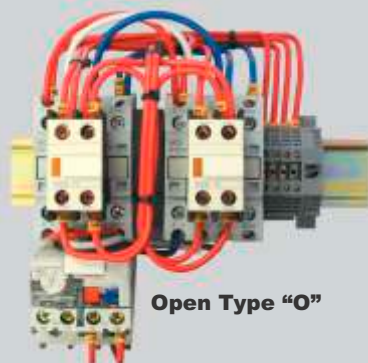
GL3 D401400	18.5 kW	25 HP	30 - 40 A
GL3 D501500	22 kW	30 HP	37 - 50 A
GL3 D651650	30 kW	45 HP	48 - 65 A

### DOL STARTER - WITH OVERLOAD AND ISOLATOR IP65 ENCLOSURE

GL3 D123I010	0.37 kW	1/2 HP	0.63 - 1 A
GL3 D123I016	0.55 kW	3/4 HP	1.0 - 1.6 A
GL3 D123I020	0.75 kW	1 HP	1.25 - 2.0 A
GL3 D123I025	1.1 kW	1.5 HP	1.6 - 2.5 A
GL3 D123I040	1.5 kW	2 HP	2.5 - 4.0 A
GL3 D123I060	2.2 kW	3 HP	4.0 - 6.0 A
GL3 D123I080	3.0 kW	4 HP	5.5 - 8 A
GL3 D123I100	4.0 kW	5 HP	7 - 10 A
GL3 D123I130	5.5 kW	7.5 HP	9 - 13 A
GL3 D125I180	7.5 kW	10 HP	12 - 18 A
GL3 D255I250	11 kW	15 HP	17 - 25 A
GL3 D325I320	15 kW	20 HP	23 - 32 A
GL3 D400I400	18.5 kW	25 HP	30 - 40 A
GL3 D500I500	22 kW	30 HP	37 - 50 A
GL3 D651I650	30 kW	40 HP	48 - 65 A
GL3 D801I800	37 kW	50 HP	63 - 80 A

18.5kW and above in IP65 Steel Enclosures

- OPEN TYPE
- CUSTOMISED OPTIONS



Open Type "O"



Enclosed with Push Buttons Type "EP"



Enclosed, Push Buttons & Isolator Type "EPI"

PART NUMBER	kW RATING at 400V	TYPE
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\*Add Symbol: O - Open, E - Enclosed, P - Pushbuttons, I - Isolator

		"O" LIST PRICE	"EP" LIST PRICE	"EPI" LIST PRICE
GL3 RS0055*	Up to 5.5kW			
GL3 RS0075*	7.5kW			
GL3 RS0110*	11kW			
GL3 RS0150*	15kW			
GL3 RS0185*	18.5kW			
GL3 RS0220*	22kW			
GL3 RS0300*	30kW			
GL3 RS0370*	37kW			

- Pre-wired. 400VAC available - Other Voltages made up to order.
- Enclosed types in IP55 PVC Enclosure or Orange Mild Steel Enclosures (except Open Type)
- Complete with Switchgear, Thermal Overload Mechanical Interlock and Control devices (except Open type - No control devices, only wired to terminals).
- Can be fitted with **Hyundai Electronic overload (Optional)**. Confirm for Pricing

### RATED MOTOR CURRENT CONVERSION TABLE

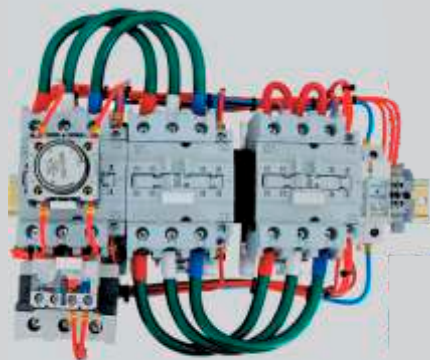
The values as indicated below are for 3 Phase, 4 Pole Motors 50/60Hz in general use. The motor power rating of Contactors, Starters and Overloads are based on the values of this table.

RATED kW	RATED HP	AMPS 230V	AMPS 400V	AMPS 440V	AMPS 500V	STAR DELTA		
						400V	440V	500V
0.37	1/2	2.9	0.98	0.9	0.79	-	-	-
0.55	3/4	4.6	1.5	1.4	1.2	-	-	-
0.75	1	5.7	1.9	1.7	1.5	-	-	-
1.1	1.5	7.3	2.4	2.4	2.1	-	-	-
1.5	2	9.9	3.3	3.1	2.7	-	-	-
2.2	3	14.4	4.7	4.4	4.8	-	-	-
3	4	19.1	6.2	5.8	5.1	-	-	-
3.7	5	23.4	7.3	7.1	6.2	-	-	-
4	5.5	24	8.1	7.3	6.4	4.6	4.3	3.78
5.5	7.5	33	10.9	10.4	9.1	6.4	6.1	5.37
7.5	10	44.7	14.7	13.4	11.7	6.8	7.8	6.8
9	12	53.5	17.5	16.9	14.8	10.2	9.8	8.6
10	13.5	57.3	19	17.3	15.2	10.9	10	8.8
11	15	65	20.9	20.1	17.7	12.2	11.7	10.3
15	20	86.1	28.5	26.5	23.3	16.5	15.4	13.5
18.5	25	106.1	35.5	32.8	28.8	20.4	19	16.7
22	30	124.3	41.8	39	34.3	24.2	22.6	19.8
25	35	141.5	49.4	45.3	39.8	28.5	26.2	23
30	40	170.3	57	55	48.4	33	31.9	28
37	50	208.5	68.4	64	56.3	39.5	37	32.5
45	60	242.9	80.7	76	66.8	46.6	43.9	38.6
55	75	301.3	99.7	90	79.2	57.6	52	45.7
75	100	396	131.1	125	110	76	72.2	63.5
90	125	-	161.5	146	128.4	93	84	73.9
110	150	-	194.7	178	156.6	112.1	102	89.7
132	180	-	232.7	215	189.2	134.4	124	109.1
160	220	-	285	256	225.2	164.5	147.8	130
185	250	-	324.9	295	259.6	187.6	170.3	149.8
200	270	-	351.5	321	282.4	203	185	162.8

STAR DELTA RATINGS ARE CALCULATED AT FULL LOAD CURRENT X 0.58

These values are given as a guide only. They may vary depending on the type of motor and the manufacturer.

- OPEN TYPE
- CUSTOMISED OPTIONS



Open Type "O"

PART NUMBER	kW RATING at 400V	TYPE
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\*Add Symbol: O - Open, E - Enclosed, P - Pushbuttons, A - Ammeter, I - Isolator

		"O" LIST PRICE	"EP" LIST PRICE	"EPA" LIST PRICE	"EPIA" LIST PRICE
GL3 SD0055*	5.5 kW				
GL3 SD0075*	7.5 kW				
GL3 SD0110*	11 kW				
GL3 SD0150*	15 kW				
GL3 SD0185*	18.5 kW				
GL3 SD0220*	22 kW				
GL3 SD0300*	30 kW				
GL3 SD0370*	37 kW				
GL3 SD0450*	45 kW				
GL3 SD0550*	55 kW				
GL3 SD0750*	75 kW				
GL3 SD0900*	90 kW				
GL3 SD1100*	110 kW				
GL3 SD1320*	132 kW				
GL3 SD1600*	160 kW				
GL3 SD2000*	200 kW				

- Pre-wired. Available in 400VAC - Other Voltages made up to order.
- Enclosed types in IP55 Orange Mild Steel Enclosures (except Open Type)
- Complete with Contactors, Thermal overload relay, Mechanical Interlock, Timer and Control devices (except Open type - No control devices, only wired to terminals).
- Can be fitted with Hyundai Electronic overload (Optional).
- Available with Hands-Off-Auto, Remote Start, Phase Failure, Pump Protection & Surge Protection on Request - Confirm Pricing.



Enclosed with Push Buttons Type "EP"



Enclosed with Push Buttons & Ammeter Type "EPA"



Enclosed, Push Buttons, Isolator & Ammeter - Type "EPIA"



**NEW**



**NEW**



**NEW**



PART NUMBER	KW	AMPS	DIMENSIONS W x H x D	WEIGHT KG	LIST PRICE
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### N700E - SINGLE PHASE VARIABLE SPEED DRIVE - (VECTOR INVERTOR) - 230V

N700E 007SF	0.75 KW	5	68 x 128 x 128	1.2	
N700E 015SF	1.5 KW	7	108 x 142 x 128	1.5	
N700E 022SF	2.2 KW	11	108 x 142 x 128	1.5	

#### FEATURES:

- 200% Torque at speeds > 1 Hz - Momentary Current Suppression
- RS485 Modbus Standard - 0 - 400 Hz - Manual Torque Boost - Compact Size

#### TYPICAL APPLICATIONS

- Conveyors, Treadmills, Washing Machines, Waste Heat Recovery Equipment, Automatic Doors & Extruders

### N700E - THREE PHASE SMALL SIZE VARIABLE SPEED DRIVE - (VECTOR INVERTOR) - 400V

N700E 007HF	0.75 KW	3.4	108 x 142 x 128	1.5	
N700E 015HF	1.5 KW	4.8	108 x 142 x 128	1.5	
N700E 022HF	2.2 KW	7.2	108 x 142 x 128	2.0	
N700E 037HF	3.7 KW	9.2	140 x 147 x 128	2.0	

#### FEATURES:

- 200% Torque at speeds > 1 Hz - Advanced Sensorless Vector Control
- Momentary Current Suppression
- RS485 Modbus Standard - 0 - 400 Hz - Manual Torque Boost - Compact Size

#### TYPICAL APPLICATIONS

- Conveyors, Fans & Pumps

### N700E - THREE PHASE SENSORLESS VARIABLE SPEED DRIVE - (VECTOR INVERTOR) - 400V

N700E 055HF	5.5 KW	12	210 x 168 x 275	4.2	
N700E 075HF	7.5 KW	16	210 x 168 x 275	4.5	
N700E 110HF	11 KW	23	210 x 168 x 275	4.5	
N700E 150HF	15 KW	32	250 x 188 x 390	7	
N700E 185HF	18.5 KW	38	250 x 188 x 390	7	
N700E 220HF	22 KW	45	250 x 188 x 390	7.5	
N700E 300HF	30 KW	58	312 x 270 x 530	22	
N700E 370HF	37 KW	75	312 x 270 x 530	22	
N700E 450HF	45 KW	90	342 x 280 x 548	27	
N700E 550HF	55 KW	110	342 x 280 x 548	30	
N700E 750HF	75 KW	149	396 x 280 x 698	50	

#### FEATURES:

- 150% Torque at speeds > 1 Hz - High Torque Performance by Sensorless Vector
- Fan On / Off Function • Built-in BRD (5.5 - 22 kW) {Built-in regenerative braking system}
- Improved PID Control Options
- Compact size
- Ease of maintenance

#### TYPICAL APPLICATIONS

- Fans, Pumps, Conveyors & Extruders

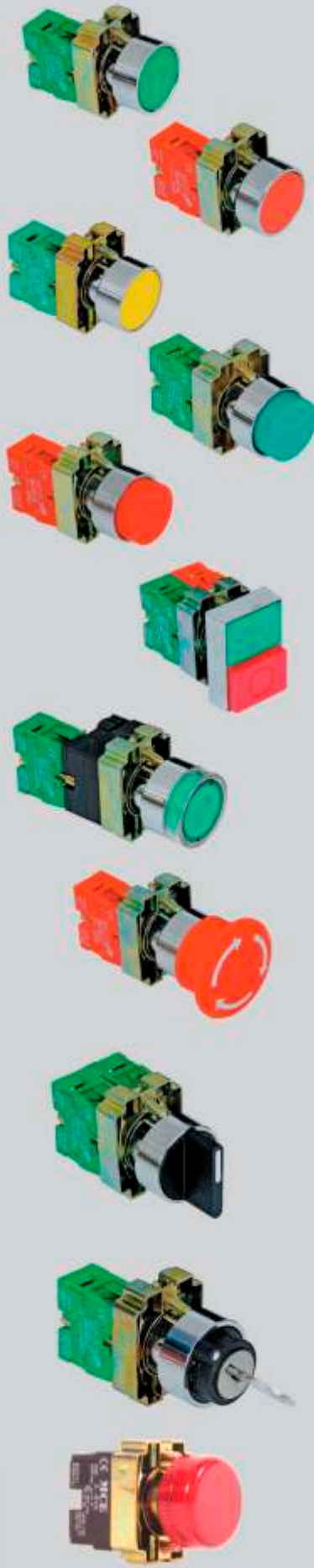
### N700E - ACCESSORIES

N7EROP7	Panel Mount Controller / Operator
NOP13A	3m Comm Cable



- PUSHBUTTONS
- PILOT LIGHTS
- SELECTOR SWITCHES
- KEY SWITCHES
- EMERGENCY STOPS

- Suitable for 22mm diameter hole
- Panel Mounted
- Suitable for all control panel applications



PART NUMBER	DESCRIPTION	CONTACT BLOCK	COLOUR	LIST PRICE
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### PUSHBUTTONS

GL3 XB2BA11	Flat Head Pushbutton	1 NO	White	
GL3 XB2BA21	Flat Head Pushbutton	1 NO	Black	
GL3 XB2BA31	Flat Head Pushbutton	1 NO	Green	
GL3 XB2BA42	Flat Head Pushbutton	1 NC	Red	
GL3 XB2BA51	Flat Head Pushbutton	1 NO	Yellow	
GL3 XB2BA61	Flat Head Pushbutton	1 NO	Blue	
GL3 XB2BL8425	Non-Illuminated On-Off Pushbutton	1 NO + 1 NC	Red / Green	

### EXTENDED HEAD PUSHBUTTONS

GL3 XB2BL11	Extended Head Pushbutton	1 NO	White	
GL3 XB2BL21	Extended Head Pushbutton	1 NO	Black	
GL3 XB2BL31	Extended Head Pushbutton	1 NO	Green	
GL3 XB2BL42	Extended Head Pushbutton	1 NC	Red	
GL3 XB2BL51	Extended Head Pushbutton	1 NO	Yellow	
GL3 XB2BL61	Extended Head Pushbutton	1 NO	Blue	

### L.E.D. ILLUMINATED PUSHBUTTONS

GL3 XB2BW8465	Illuminated On-Off Pushbutton 230V	1 NO + 1 NC	Red/Green LED	
GL3 XB2BW31	Illuminated Pushbutton 230V	1 NO	White LED	
GL3 XB2BW33	Illuminated Pushbutton 230V	1 NO	Green LED	
GL3 XB2BW34	Illuminated Pushbutton 230V	1 NC	Red LED	
GL3 XB2BW35	Illuminated Pushbutton 230V	1 NO	Yellow LED	
GL3 XB2BW36	Illuminated Pushbutton 230V	1 NO	Blue LED	

Illuminated Pushbuttons Voltages available: 24V - 110V - 230V LED

### EMERGENCY STOPS

GL3 XB2BC42	Non-Latching E/Stop - 40mm	1 NC	Red	
GL3 XB2BS442	Latching E/Stop-Twist to release - 30mm	1 NC	Red	
GL3 XB2BT42	Push - Pull E/Stop - 40mm	1 NC	Red	
GL3 XB2BS542	Latching E/Stop-Twist to release - 40mm	1 NC	Red	
GL3 XB2BS542G	Latching E/Stop-Twist to release - 40mm	1 NO	Green	
GL3 XB2BS142	Latching E/Stop-Key Operated - 40mm	1 NC	Red	

### SELECTOR SWITCHES

GL3 XB2BD21	2 Pos. Selector Switch - Short Handle	1 NO	Black	
GL3 XB2BD41	2 Pos. Selector Switch - Spring Return	1 NO	Black	
GL3 XB2BJ21	2 Pos. Selector Switch - Long Handle	1 NO	Black	
GL3 XB2BD33	3 Pos. Selector Switch - Short Handle	2 NO	Black	
GL3 XB2BD53	3 Pos. Selector Switch - Spring Return	2 NO	Black	
GL3 XB2BJ33	3 Pos. Selector Switch - Long Handle	2 NO	Black	

### KEY SWITCHES

GL3 XB2BG41	2 Pos. Key Switch - Remove in 2 Pos.	1 NO	Black	
GL3 XB2BG03	3 Pos. Key Switch - Remove in 3 Pos.	2 NO	Black	
GL3 XB2BG21	2 Pos. Key Switch - Remove in Off	1 NO	Black	
GL3 XB2BG33	3 Pos. Key Switch - Remove in Off	2 NO	Black	
GL3 XB2BG61	2 Pos. Spring Key Switch - Rem. in Off	1 NO	Black	
GL3 XB2BG73	3 Pos. Spring Key Switch - Rem. in Off	2 NO	Black	

### L.E.D. PILOT LIGHTS

GL3 XB2BV71	Pilot Lights	24V - 400VAC	White	LED
GL3 XB2BV73	Pilot Lights	24V - 400VAC	Green	LED
GL3 XB2BV74	Pilot Lights	24V - 400VAC	Red	LED
GL3 XB2BV75	Pilot Lights	24V - 400VAC	Yellow	LED
GL3 XB2BV76	Pilot Lights	24V - 400VAC	Blue	LED

- Ø 16mm & 22mm
- VANDAL PROOF CONTROL DEVICES

- **Stainless Steel**
- **Low profile - not easily damaged**
- **Available in Illuminated, Non-Illuminated, Latching & Momentary**
- **Various Voltages Available**

PART NUMBER	DESCRIPTION	CONTACT	TERMINAL	LIST PRICE
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### VANDAL PROOF STAINLESS STEEL PUSHBUTTONS - Ø16mm - 5A @ 250VAC - IP65

GL3 XVP16CH	Convex Head Pushbutton	1 NO	Screw	
GL3 XVP16RH	Raised Head Pushbutton	1 NO	Screw	
GL3 XVP16FH	Flat Head Pushbutton	1 NO	Screw	

### VANDAL PROOF STAINLESS STEEL PUSHBUTTONS - Ø22mm - 5A @ 250VAC - IP65

#### NON-ILLUMINATED

GL3 XVP22MP	Momentary Pushbutton	1 NO+1 NC	Pin	
GL3 XVP22LP	Latching Pushbutton	1 NO+1 NC	Pin	

### VANDAL PROOF STAINLESS STEEL PUSHBUTTONS - Ø22mm - 5A @ 250VAC - IP65

#### MOMENTARY - ILLUMINATED

GL3 XVP2211EGB	Illuminated Mom. P/Button 24VAC	Green	1 NO+1 NC	Pin
GL3 XVP2211ERB	Illuminated Mom. P/Button 24VAC	Red	1 NO+1 NC	Pin
GL3 XVP2211EBB	Illuminated Mom. P/Button 24VAC	Blue	1 NO+1 NC	Pin
GL3 XVP2211EWB	Illuminated Mom. P/Button 24VAC	White	1 NO+1 NC	Pin
GL3 XVP2211EYB	Illuminated Mom. P/Button 24VAC	Yellow	1 NO+1 NC	Pin

GL3 XVP2211EGF	Illuminated Mom. P/Button 110VAC	Green	1 NO+1 NC	Pin
GL3 XVP2211ERF	Illuminated Mom. P/Button 110VAC	Red	1 NO+1 NC	Pin
GL3 XVP2211EBF	Illuminated Mom. P/Button 110VAC	Blue	1 NO+1 NC	Pin
GL3 XVP2211EWF	Illuminated Mom. P/Button 110VAC	White	1 NO+1 NC	Pin
GL3 XVP2211EYF	Illuminated Mom. P/Button 110VAC	Yellow	1 NO+1 NC	Pin

GL3 XVP2211EGM	Illuminated Mom. P/Button 230VAC	Green	1 NO+1 NC	Pin
GL3 XVP2211ERM	Illuminated Mom. P/Button 230VAC	Red	1 NO+1 NC	Pin
GL3 XVP2211EBM	Illuminated Mom. P/Button 230VAC	Blue	1 NO+1 NC	Pin
GL3 XVP2211EWM	Illuminated Mom. P/Button 230VAC	White	1 NO+1 NC	Pin
GL3 XVP2211EYM	Illuminated Mom. P/Button 230VAC	Yellow	1 NO+1 NC	Pin

### VANDAL PROOF STAINLESS STEEL PUSHBUTTONS - Ø22mm - 5A @ 250VAC - IP65

#### LATCHING - ILLUMINATED

GL3 XVP2211ZEGB	Illuminated Latch. P/Button 24VAC	Green	1 NO+1 NC	Pin
GL3 XVP2211ZERB	Illuminated Latch. P/Button 24VAC	Red	1 NO+1 NC	Pin
GL3 XVP2211ZEBB	Illuminated Latch. P/Button 24VAC	Blue	1 NO+1 NC	Pin
GL3 XVP2211ZEWB	Illuminated Latch. P/Button 24VAC	White	1 NO+1 NC	Pin
GL3 XVP2211ZEYB	Illuminated Latch. P/Button 24VAC	Yellow	1 NO+1 NC	Pin

GL3 XVP2211EZGF	Illuminated Latch. P/Button 110VAC	Green	1 NO+1 NC	Pin
GL3 XVP2211EZRF	Illuminated Latch. P/Button 110VAC	Red	1 NO+1 NC	Pin
GL3 XVP2211EZBF	Illuminated Latch. P/Button 110VAC	Blue	1 NO+1 NC	Pin
GL3 XVP2211EZWF	Illuminated Latch. P/Button 110VAC	White	1 NO+1 NC	Pin
GL3 XVP2211EZYF	Illuminated Latch. P/Button 110VAC	Yellow	1 NO+1 NC	Pin

GL3 XVP2211EZGM	Illuminated Latch. P/Button 230VAC	Green	1 NO+1 NC	Pin
GL3 XVP2211EZRM	Illuminated Latch. P/Button 230VAC	Red	1 NO+1 NC	Pin
GL3 XVP2211EZBM	Illuminated Latch. P/Button 230VAC	Blue	1 NO+1 NC	Pin
GL3 XVP2211EZWM	Illuminated Latch. P/Button 230VAC	White	1 NO+1 NC	Pin
GL3 XVP2211EZYM	Illuminated Latch. P/Button 230VAC	Yellow	1 NO+1 NC	Pin

- PILOT LIGHTS
- AUXILIARIES
- LOCK OUT DEVICES
- LAMPS

- **PVC Control Devices**
- **Suitable for 22mm hole diameter**
- **Panel mounted**
- **Suitable for all control panel applications**

PART NUMBER	DESCRIPTION	VOLTAGE	COLOUR	LIST PRICE
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### L.E.D. PILOT LIGHTS

GL3 AD2222DSG	One Piece Multi Clip LED Pilot Light	24V / 110V / 230V	Green	
GL3 AD2222DSR	One Piece Multi Clip LED Pilot Light	24V / 110V / 230V	Red	
GL3 AD2222DSY	One Piece Multi Clip LED Pilot Light	24V / 110V / 230V	Yellow	
GL3 AD2222DSB	One Piece Multi Clip LED Pilot Light	24V / 110V / 230V	Blue	
GL3 AD2222DSW	One Piece Multi Clip LED Pilot Light Alternating Current and Direct Current	24V / 110V / 230V	White	

### ECONOMY PILOT LIGHTS

GL3 XB7EV43	Economy Pilot Light 230V		Green	
GL3 XB7EV44	Economy Pilot Light 230V		Red	
GL3 XB7EV45	Economy Pilot Light 230V		Yellow	
GL3 XB7EV46	Economy Pilot Light 230V		Blue	

Voltages available: 12V to 400V to be specified (BA-9)

### ECONOMY PUSHBUTTONS

GL3 XB7EA21	Economy Pushbutton	1 NO	Black	
GL3 XB7EA31	Economy Pushbutton	1 NO	Green	
GL3 XB7EA42	Economy Pushbutton	1 NC	Red	
GL3 XB7EA61	Economy Pushbutton	1 NO	Blue	

### ACCESSORIES

GL3 ZB2BE101	Contact / Adder Blocks	NO	-	
GL3 ZB2BE102	Contact / Adder Blocks	NC	-	
GL3 ZB2BASE	Fixing Ring for Pushbuttons	-	-	
GL3 PDEVICEEH	Padlock Device for Extended Pushbutton	-	-	
GL3 PDEVICEES	Padlock Device for Emergency Stop	-	-	
GL3 PBOOTG	Protective Neoprene Boot	-	Green	
GL3 PBOOTR	Protective Neoprene Boot	-	Red	
GL3 PBOOTC	Protective Neoprene Boot	-	Clear	
GL3 PBOOTEC	Protective Neoprene Boot for Illum. & Ext Head P/Button	-	Clear	
GL3 PBOOT8465	Protective Neoprene Boot for Illum. On-Off P/Button	-	Clear	
GL3 PBOOT 8425	Protective Neoprene Boot for On - Off Pushbutton	-	Clear	

### BUZZERS / FLASHERS

GL3 04309	230V Panel Mount Buzzer		22mm	
GL3 04319	230V Panel Mount LED Flasher/Buzzer		22mm	
GL3 04307	24V AC/DC Panel Mount Buzzer		22mm	
GL3 04317	24V Panel Mount LED Flasher/Buzzer		22mm	

### NEON, INCANDESCENT & LED LAMPS - BA9 TYPE

GL3 BA92NG	Neon Bulb	230V	Green	
GL3 BA92NR	Neon Bulb	230V	Red	
GL3 BA93NG	Neon Bulb	400V	Green	
GL3 NA93NR	Neon Bulb	400V	Red	
GL3 BA9I	Incandescent Bulb	12V TO 400V	Clear	
GL3 LEDG	8 Pin Cluster Type LED	24V/48V/110V/230V	Green	
GL3 LEDR	8 Pin Cluster Type LED	24V/48V/110V/230V	Red	
GL3 LEDY	8 Pin Cluster Type LED	24V/48V/110V/230V	Yellow	
GL3 LEDB	8 Pin Cluster Type LED	24V/48V/110V/230V	Blue	
GL3 LEDW	8 Pin Cluster Type LED	24V/48V/110V/230V	White	



- LATCHING CONTROL STATIONS
- TOGGLE SWITCHES

- **P.V.C. Control Stations**
- **Suitable for remote control**
- **Available in various configurations**
- **Toggle Switches - 16A**

PART NUMBER	DESCRIPTION	COLOUR	LIST PRICE
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### EMPTY CONTROL STATIONS

GL3 CS1EY	1 Hole Empty Station	Yellow	
GL3 CS1E	1 Hole Empty Station	Grey	
GL3 CS2E	2 Hole Empty Station	Grey	
GL3 CS3E	3 Hole Empty Station	Grey	
GL3 CS4E	4 Hole Empty Station	Grey	
GL3 CS5E	5 Hole Empty Station	Grey	
GL3 CS6E	6 Hole Empty Station	Grey	

### 1 WAY CONTROL STATIONS

GL3 CS1	Start - Green Pushbutton	1 N/O	Grey
GL3 CS2	Stop - Red Pushbutton	1 N/C	Grey
GL3 CS3	E/Stop - Non Latching Mushroom Head	1 N/C	Grey
GL3 CS4	E/Stop - Twist to release Mushroom Head	1 N/C	Grey
GL3 CS5	E/Stop - Key to release Mushroom Head	1 N/C	Grey

### 2 WAY CONTROL STATIONS

GL3 CS6	Start/Stop - Green & Red Pushbutton	1 N/O + 1 N/C	Grey
GL3 CS6A	Start/Emergency Stop (Non-Latching)	1 N/O + 1 N/C	Grey
GL3 CS7	Start/Emergency Stop(Latching)	1 N/O + 1 N/C	Grey

### 3 WAY CONTROL STATIONS

GL3 CS8	Forward / Stop / Reverse		Grey
GL3 CS9	Up / Stop / Down		Grey
GL3 CS10	Start / Stop / Red Pilot Light		Grey
GL3 CS11	3 x Illuminated Pushbuttons		Grey

### EMERGENCY STOP LABEL AND SHROUD

GL3 ESL	22mm Emergency Stop Label	Yellow	
GL3 ESPC	22mm Emergency Stop Protection Cover	Yellow	

### PANEL PLUGS & AND REDUCING RING

GL3 PP16	16mm Panel Plug	Black	
GL3 PP22	22mm Panel Plug	Black	
GL3 R3022	30mm to 22mm Reducing Ring	Black	

### LATCHING TRIPLE POLE PUSHBUTTON STATION - SURFACE MOUNTING

GL3 BS210	10A Latching Pushbutton - 3 Pole	Grey	
GL3 BS215	15A Latching Pushbutton - 3 Pole	Grey	
GL3 BS230	30A Latching Pushbutton - 3 Pole	Grey	

### LATCHING TRIPLE POLE PUSHBUTTON STATION - FLUSH MOUNTING

GL3 BS215F	15A Latching Pushbutton - 3 Pole	Grey	
GL3 BS230F	30A Latching Pushbutton - 3 Pole	Grey	

### TOGGLE SWITCHES - 12mmØ - 16A @ 250VAC - SCREW TERMINALS

GL3 T1021	Toggle Switch - Single Pole	On / Off	
GL3 T1121	Toggle Switch - Single Pole	On / On	
GL3 T1122	Toggle Switch - Single Pole	On / Off / On	
GL3 T1122B	Toggle Switch - Spring Return Single Pole	On / Off / On	
GL3 T1221	Toggle Switch - Double Pole	On / Off	
GL3 T1321	Toggle Switch - Double Pole	On / On	
GL3 T1322	Toggle Switch - Double Pole	On / Off / On	
GL3 T1121A	Toggle Switch - Spring Return Single Pole	On / On	
GL3 TBOOT	Toggle Switch Rubber Boot		



## Ø16mm MINI PUSHBUTTONS

- PILOT LIGHTS
- SELECTOR SWITCHES
- KEY SWITCHES
- EMERGENCY STOPS
- BUZZERS



- **PIN terminal**
- **Available in various colours & voltages**
- **Suitable for 16mm Diameter hole**
- **Panel Mounted**

PART NUMBER	DESCRIPTION	CONTACT BLOCK	COLOURS	LIST PRICE
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### ILLUMINATED NON-LATCHING PUSHBUTTONS

GL3 AD16Y11S**	Round Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 AD16F11S**	Square Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 AD16J11S**	Rectangular Head Pushbutton	1 NO + 1 NC	●●●●○

\* Add colour of lens: Red, Green, Yellow, White or Blue \* Add Voltage: 12V, 24V, 110V 230V or 400V

### NON-ILLUMINATED NON-LATCHING PUSHBUTTONS

GL3 A16Y11S**	Round Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 A16F11S**	Square Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 A16J11S**	Rectangular Head Pushbutton	1 NO + 1 NC	●●●●○

\* Add colour of lens: Red, Green, Yellow, White or Blue \* Add Voltage: 12V, 24V, 110V 230V or 400V

### ILLUMINATED LATCHING PUSHBUTTONS

GL3 AD16Y11Z**	Round Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 AD16F11Z**	Square Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 AD16J11Z**	Rectangular Head Pushbutton	1 NO + 1 NC	●●●●○

\* Add colour of lens: Red, Green, Yellow, White or Blue \* Add Voltage: 12V, 24V, 110V 230V or 400V

### NON-ILLUMINATED LATCHING PUSHBUTTONS

GL3 A16Y11Z**	Round Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 A16F11Z**	Square Head Pushbutton	1 NO + 1 NC	●●●●○
GL3 A16J11Z**	Rectangular Head Pushbutton	1 NO + 1 NC	●●●●○

\* Add colour of lens: Red, Green, Yellow, White or Blue \* Add Voltage: 12V, 24V, 110V 230V or 400V

### PILOT LIGHTS

GL3 DX16Y**	Round Head Pilot Light	1 NO + 1 NC	●●●●○
GL3 DX16F**	Square Head Pilot Light	1 NO + 1 NC	●●●●○
GL3 DX16J**	Rectangular Head Pilot Light	1 NO + 1 NC	●●●●○

\* Add colour of lens: Red, Green, Yellow, White or Blue \* Add Voltage: 12V, 24V, 110V 230V or 400V

### EMERGENCY STOPS

GL3 ZS16V1R	Latching E/Stop - Twist to release	1 NC	● Red
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### BUZZER

GL3 AD16YU	24V Buzzer		● Black
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### SELECTOR SWITCHES

GL3 X16Y11Z2	2 Pos. Selector Switch	1 NO	● Black
GL3 X16Y22Z3	3 Pos. Selector Switch	2 NO	● Black

### KEY SWITCHES

GL3 Y1611Z2	2 Pos. Key Switch - Remove in Off	1 NO	● Black
GL3 Y1622Z3	3 Pos. Key Switch - Remove in Off	2 NO	● Black

### LED PILOT LIGHTS

GL3 ND16**	16mm LED Pilot Light	1 NO	●●●●○
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\* Add colours of lens: Red, Green, Yellow, White or Blue \* Add Voltage: 12V, 24V, 110V 230V or 400V

### PROTECTIVE COVERS

GL3 AD16SC	Square Protective Cover	-	
GL3 AD16RC	Rectangular Protective Cover	-	

### SPARE LAMPS - DO NOT APPLY TO GL3 ND16 PILOT LIGHTS

GL3 ADA	12 V Miniature Lamp	-
GL3 ADB	24 V Miniature Lamp	-
GL3 ADF	110 V Miniature Lamp	-
GL3 ADM	230 V Miniature Lamp	-
GL3 ADQ	400 V Miniature Lamp	-

- ACCESSORIES
- ENCLOSURE



- **DIN Mount**
- **Adjustable Overload Setting**
- **Lockable in Off Position**



PART NUMBER	DESCRIPTION	400V kW	CURRENT RATING	LIST PRICE
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### MANUAL MOTOR STARTERS

GL3 GV2M05	Manual Motor Starter	0.37 kW	0.63 - 1.0 A	
GL3 GV2M06	Manual Motor Starter	0.55 kW	1.0 - 1.6 A	
GL3 GV2M07	Manual Motor Starter	0.75 kW	1.6 - 2.5 A	
GL3 GV2M08	Manual Motor Starter	1.5 kW	2.5 - 4.0 A	
GL3 GV2M10	Manual Motor Starter	2.2 kW	4.0 - 6.3 A	
GL3 GV2M14	Manual Motor Starter	4.0 kW	6 - 10 A	
GL3 GV2M16	Manual Motor Starter	5.5 kW	9 - 14 A	
GL3 GV2M20	Manual Motor Starter	7.5 kW	13 - 18 A	
GL3 GV2M21	Manual Motor Starter	10 kW	17 - 23 A	
GL3 GV2M22	Manual Motor Starter	11 kW	20 - 25 A	
GL3 GV2M32	Manual Motor Starter	15 kW	24 - 32 A	
GL3 GV3M40	Manual Motor Starter	18.5 kW	25 - 40 A	
GL3 GV3M63	Manual Motor Starter	30 kW	40 - 63 A	
GL3 GV3M80	Manual Motor Starter	37 kW	56 - 80 A	

### MANUAL MOTOR STARTER ACCESSORIES FOR GL3 M05 - M32

GL3 GV2AN11	1 N/O + 1 N/C Auxiliary (Side Mount)			
GL3 GV2AE11	1 N/O + 1 N/C Auxiliary (Top Mount)			
GL3 GV2AN20	2 N/O Auxiliary			
GL3 GV2AU115	110V Under Voltage Trip			
GL3 GV2AS115	110V Shunt Trip			
GL3 GV2AU225	230V Under Voltage Trip			
GL3 GV2AS225	230V Shunt Trip			
GL3 GV2AU385	380V Under Voltage Trip			
GL3 GV2AS385	380V Shunt Trip			
GL3 GV2ES	IP55 Transparent Enclosure Cover			

## PENDANT STATIONS

- 1 SPEED, 2 SPEED & D.O.L.
- SINGLE OR DOUBLE DEPRESSION
- JOYSTICKS

- *Suitable for Crane Applications*
- *Available in various formats*
- *IP65*

PART NUMBER	DESCRIPTION	LIST PRICE
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### PENDANT CONTROLS FOR 1 SPEED CRANE APPLICATION

GL3 ACA271	2 Pushbuttons Single Depression	1 NO
GL3 ACA2713	2 Pushbuttons + E/Stop Single Dep	1 NO
GL3 ACA471	4 Pushbuttons Single Depression	1 NO
GL3 ACA4713	4 Pushbuttons + E/Stop Single Dep	1 NO
GL3 ACA671	6 Pushbuttons Single Depression	1 NO
GL3 ACA6713	6 Pushbuttons + E/Stop Single Dep	1 NO
GL3 ACA871	8 Pushbuttons Single Depression	1 NO
GL3 ACA8713	8 Pushbuttons + E/Stop Single Dep	1 NO

### PENDANT CONTROLS FOR 1 SPEED CRANE APPLICATION + CONTACT

GL3 ACA281	2 Pushbuttons Single Depression	1 NO + 1 NC
GL3 ACA2813	2 Pushbuttons + E/Stop Single Dep	1 NO + 1 NC
GL3 ACA481	4 Pushbuttons Single Depression	1 NO + 1 NC
GL3 ACA4813	4 Pushbuttons + E/Stop Single Dep	1 NO + 1 NC
GL3 ACA681	6 Pushbuttons Single Depression	1 NO + 1 NC
GL3 ACA6813	6 Pushbuttons + E/Stop Single Dep	1 NO + 1 NC
GL3 ACA881	8 Pushbuttons Single Depression	1 NO + 1 NC
GL3 ACA8813	8 Pushbuttons + E/Stop Single Dep	1 NO + 1 NC

### PENDANT CONTROLS FOR 2 SPEED CRANE APPLICATION

GL3 ACA291	2 Pushbuttons Double Depression	1 NO + 1 NC + 1 NO
GL3 ACA2913	2 Pushbuttons + E/Stop Double Dep	1 NO + 1 NC + 1 NO
GL3 ACA491	4 Pushbuttons Double Depression	1 NO + 1 NC + 1 NO
GL3 ACA4913	4 Pushbuttons + E/Stop Double Dep	1 NO + 1 NC + 1 NO
GL3 ACA691	6 Pushbuttons Double Depression	1 NO + 1 NC + 1 NO
GL3 ACA6913	6 Pushbuttons + E/Stop Double Dep	1 NO + 1 NC + 1 NO
GL3 ACA891	8 Pushbuttons Double Depression	1 NO + 1 NC + 1 NO
GL3 ACA8913	8 Pushbuttons + E/Stop Double Dep	1 NO + 1 NC + 1 NO

### ALL PUSHBUTTONS MECHANICALLY INTERLOCKED

### DIRECT ON LINE PENDANT CONTROL - 16A @ 400V

GL3 CODA	2 Pushbuttons + E/Stop	Single Depression
GL3 CODB	2 Pushbuttons + E/Stop	Double Depression

### PENDANT ACCESSORIES

GL3 EN81191	Double Depression Contact Block	1 NO + 1 NC + 1 NO
GL3 AC941	White Pushbutton Head	
GL3 AC942	Black Pushbutton Head	
GL3 ACES14	Emergency Stop Key Release Head	
GL3 ACES44	Emergency Stop Twist to Release Head	
GL3 ACSL	Direction Labels	

### JOYSTICKS

GL3 XD4PA12	2 Direction - Stay Put Joystick	2 NO
GL3 XD4PA22	2 Direction - Spring Return Joystick	2 NO
GL3 XD4PA14	4 Direction - Stay Put Joystick	4 NO
GL3 XD4PA24	4 Direction - Spring Return Joystick	4 NO

- Ø 90mm
- STACKABLE
- STEADY OR FLASHING



- Dip Switch Selectable - Steady or Flashing
- Stackable Modules
- LED
- IP55



PART NUMBER	DESCRIPTION	VOLTAGE	COLOUR	LIST PRICE
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### STEADY LIGHT MODULES - COMPLETE WITH LED

GL3 OT901LTR	Steady light module	230V	Red	
GL3 OT901LTG	Steady light module	230V	Green	
GL3 OT901LTA	Steady light module	230V	Amber	
GL3 OT901LTB	Steady light module	230V	Blue	
GL3 OT901LTW	Steady light module	230V	White	



### FLASHING LIGHT MODULES - COMPLETE WITH LED

GL3 OT901LWR	Flashing light module	230V	Red	
GL3 OT901LWG	Flashing light module	230V	Green	
GL3 OT901LWA	Flashing light module	230V	Amber	
GL3 OT901LWB	Flashing light module	230V	Blue	
GL3 OT901LWW	Flashing light module	230V	White	



### BUZZER MODULE

GL3 OT90J	100 Decibel Buzzer	230V	-	
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### MOUNTING BASE

GL3 OT90B	Base	-	-	
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### STROBE LIGHT

GL3 LTE3072*	COLOURS:	Red, Green, Yellow, Blue
	DIMENSIONS:	75mm Ø 80mm Height
	VOLTAGES AVAILABLE:	12VDC, 24VAC, 110VAC & 230VAC

\* = G - Green, R - Red, Y -Yellow, B - Blue



### O-LITE WIRING OF SIGNAL TOWERS



\*IP55 RATED  
ONCE INSTALLED





- BUZZERS
- SIRENS

- Audible Buzzers and Sirens suitable for warning signals
- Sirens are motor driven
- Robust steel sirens
- IP44

PART NUMBER	DESCRIPTION	LIST PRICE
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### BUZZERS

GL3 TBY30	<b>PANEL MOUNT BUZZER:</b> <b>VOLTAGES AVAILABLE:</b> <b>dB RATING @ 30CM</b> <b>IP RATING:</b> Time Period must not exceed 5 minutes per operation *Please Specify Voltage	30mm Ø Mounting 24VAC, 110VAC & 230VAC 85 dB IP 44
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### SIRENS

GL3 BJ1	<b>MINI SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 24VAC, 110VAC & 230VAC 80 dB 100 Metres IP 44
GL3 BJ2	<b>MINI SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 24VAC, 110VAC & 230VAC 90 dB 100 Metres IP 44
GL3 MS190	<b>MINI MOTOR SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 24VAC, 110VAC & 230VAC 100 dB 250 Metres IP 44
GL3 MS290	<b>MOTOR DRIVEN SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 24VAC, 110VAC & 230VAC 115 dB 500 Metres IP 44
GL3 MS390	<b>MOTOR DRIVEN SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 24VAC, 110VAC & 230VAC 120 dB 750 Metres IP 44
GL3 MS490	<b>DOUBLE MOTOR DRIVEN SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 24VAC, 110VAC & 230VAC 125 dB 1000 Metres IP 44
GL3 MS590	<b>DOUBLE MOTOR DRIVEN SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 230VAC 130 dB 1500 Metres IP 44
GL3 MS690	<b>DOUBLE MOTOR DRIVEN SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 230VAC 135 dB 2000 Metres IP 44
GL3 MS790	<b>DOUBLE MOTOR DRIVEN SIREN:</b> <b>VOLTAGE:</b> <b>dB RATING @ 1 METRE:</b> <b>AUDIBLE RATING:</b> <b>IP RATING</b>	Surface Mounting 230VAC 140 dB 3000 Metres IP 44

### PLEASE NOTE

Motor Sirens are not continuously rated and should be used with an equal repeating timer

## FLOAT SWITCHES

- PROBES, PROBE HOLDERS
- FIREMAN SWITCHES

- *Float switches used for Tank, Reservoir Applications - Water Applications*
- *Probes & Probe Holders to Monitor Liquid Levels in tanks, reservoirs.*
- *Fireman switches suitable for emergency cut-off of outdoor signage & lighting in the event of fire*

PART NUMBER	DESCRIPTION	SWITCH TYPE	VOLTAGE
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### PROBE HOLDERS & ACCESSORIES

GL3 PS3	Probe Holder		
GL3 SSP3	1m Stainless Steel Probe - 5mmØ		
GL3 PSPACER	Probe Spacer		
GL3 PEXTEN	Probe Extension - locknut		

### FLOAT SWITCHES

GL3 STM00	Float Switch + Weights	Micro Switch	250V AC
GL3 STM05	Float Switch + 5m Cable + Weight	Micro Switch	250V AC
GL3 STM10	Float Switch + 10m Cable + Weight	Micro Switch	250V AC

### FIREMAN SWITCHES

The switch is activated by a pole operated ring-handle that locks automatically in the OFF position. A spring-loaded locking pin prevents the unit being switched on accidentally.

#### SPECIFICATIONS

<b>Aluminium enclosure</b>	<b>Size: 156 x 106 x 81mm</b>
<b>Colour: Red</b>	<b>IP65CE</b>
<b>Handle: Galvanised Steel</b>	<b>Earth Screw Provided</b>
<b>Screws: Stainless Steel</b>	<b>5 x 15mm</b>
<b>Properties of the aluminium alloy:</b> ALSi9Cu EN-47100 Cu<1% (ex UNI 5079)	
<b>Specific Weight:</b> 2.65kg/dm <sup>3</sup>	
<b>Ultimate Tensile Strength:</b> 23 + 27 Kg/mm <sup>2</sup>	
<b>Brinell Hardness:</b> 75 + 95	
<b>Heat Conductivity at 20°C:</b> 0.37cal/cm sec°C	
<b>Heat Resistance °C:</b> +300	
<b>Cold Resistance °C:</b> -100	

PART NUMBER	CURRENT	VOLTAGE	RATING
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### 2 POLE FIREMAN SWITCH

GL3 SFS220	20 Amps	230V	AC23
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### 3 POLE FIREMAN SWITCH

GL3 SFS316	16 Amps	400V	AC23
GL3 SFS325	25 Amps	400V	AC23

## TIME SWITCHES

- DIGITAL COUNTERS
- TEMPERATURE CONTROLLERS
- THERMOCOUPLES

- **DIN Rail Mounting Time Switches**
- **Plug in type Time Switch**
- **Digital Counters**
- **Temperature Controllers**
- **Thermocouples**



PART NUMBER	DESCRIPTION	LIST PRICE
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### TIME SWITCHES

GL3 TS18A	Program dial: 24 h Programmable every: 30 min Amperage: 16A@250V (Resistive)	Power Reserve: 200 hours Switching Contacts: 1 Changeover DIN Mount
GL3 PTS20A	Program: 7 day digital timer Min. Switching time: 1 min Amperage: 20A@250V (Resistive) 1 Channel with 8 On and 8 Off Operations	Power Reserve: 150 hours Switching Contacts: 1 Changeover DIN Mount LCD Display
GL3 PTAHC810	24 Hour 7 day digital timer Min. Switching time: 1 min Amperage: 16A@250V (Resistive) 1 Channel with 22 On and 22 Off Operations	Power Reserve: 150 hours Switching Contacts: 1 Changeover DIN Mount LCD Display
GL3 PTAHC812	24 Hour 7 day digital timer Min. Switching time: 1 min Amperage: 16A@250V (Resistive) 2 Channel with 22 On and 22 Off Operations	Power Reserve: 150 hours Switching Contacts: 2 Changeover DIN Mount LCD Display
GL3 MC3RA8	Multi Function - Multi Range Time Range: 0-30 sec/min/hrs Size: 48 x 48 - 230VAC	Operation: Delay-On, Delay-Off (interval) Relay Contacts: 3 Changeover 5A @ 230VAC (Resistive) 8 Pin Base Mount

### AUTO CONTROL DISTRIBUTION BOARD - IP41

GL3 ACDB	<ul style="list-style-type: none"> <li>• Ideally suited to any device that requires Automatic Control, for example: <b>Geyser / Pump / Fan / Irrigation / Lights</b>, etc.</li> <li>• Surface Mounted 6 Way IP41 Plastic DB</li> <li>• Pre-fitted with <b>GL3 PTS20A</b> Timer (see above) &amp; 12A mini contactor (230V or 400V)</li> <li>• The timer can be set to operate the On / Off functions of the contactor.</li> <li>• It may also be "By-passed" if manual intervention is required.</li> <li>• The <b>GL3 ACDB</b> <b>does not include</b> any protective device.</li> <li>• An Over / Fault current device suitable for the protection of the switched equipment <b>must be provided for separately</b></li> </ul>
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### TEMPERATURE CONTROLLERS & THERMOCOUPLES

GL3 STG8000	Temperature Controller 48 x 48 mm Range: 0 - 999°C	Supply: 230VAC Alarm: 1 set point
OR		
GL3 STG8000J	Output: 1 changeover - N/O - N/C - Common Probe Excluded	
GL3 TYPEJ	Thermo Couple	2m Cable
GL3 PT100	Thermo Couple	2m Cable



- MULTI FUNCTION
- ON DELAY
- STAR DELTA
- PHASE SEQUENCE

- DIN Mount - Slim Compact Design - 1 Module
- RoHS Compliant
- Material: Self Extinguishing VO
- Made in Italy

**NEW**



MICROIDEA

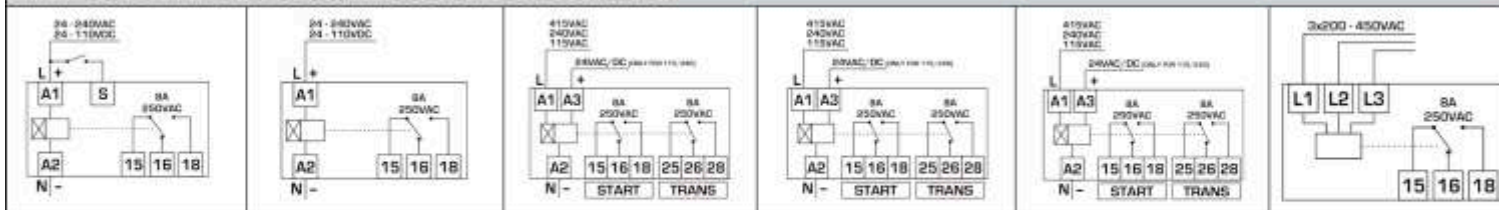


GL3CM DTMSMM1M	GL3CM DTMSLD1M	GL3CM DTMVCD2F	GL3CM DTMUCD2M	GL3CM DTMOCD2Q	GL3CM FSTKII1SQ
Multi-Function Timer	Timer 0,1s - 10d (On Delay)	Star Delta Timer 24VAC / DC, 115VAC	Star Delta Timer 24VAC / DC, 240VAC	Star Delta Timer 415VAC	Phase Sequence Relay

### FEATURES

<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 1 Contact SPDT</li> <li>- Time Range 0,1s - 10 days</li> <li>- 10 Functions Selectable</li> <li>- Universal Supply</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 1 Contact SPDT</li> <li>- Time Range 0,1s - 10 days</li> <li>- Energize after delay</li> <li>- Universal Supply</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 2 Contact SPDT</li> <li>- Time Range: ST: 6 - 60 sec. TR: 20 - 300 ms</li> <li>- Energize after delay</li> <li>- Universal Supply</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 2 Contact SPDT</li> <li>- Time Range: ST: 6 - 60 sec. TR: 20 - 300 ms</li> <li>- Energize after delay</li> <li>- Universal Supply</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 2 Contact SPDT</li> <li>- Time Range: ST: 6 - 60 sec. TR: 20 - 300 ms</li> <li>- Energize after delay</li> <li>- Universal Supply</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 1 Contact SPDT</li> <li>- Rotation control</li> <li>- Loss control</li> <li>- Energize after delay</li> <li>- Universal Supply</li> <li>- Din Rail EN50.022</li> </ul>
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### TYPICAL WIRING & CONNECTION DIAGRAMS



### TECHNICAL SPECIFICATIONS

<b>Power Supply:</b> AC: 24V to 240 Hz: 47-63 DC: 24V to 110 <b>Max Consumption:</b> 8,5VA <b>Time Range:</b> 0,1s to 10 days <b>Min S Impulse:</b> 25ms <b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC <b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 65g <b>Dimensions:</b> 98x17,5x64mm	<b>Power Supply:</b> AC: 24V to 240 Hz: 47-63 DC: 24V to 110 <b>Max Consumption:</b> 8,5VA <b>Time Range:</b> 0,1s to 10 days <b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC <b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 60g <b>Dimensions:</b> 98x17,5x64mm	<b>Power Supply:</b> AC: 24V to 115 Hz: 47-63 AC/DC: 24V <b>Max Consumption:</b> 3,9VA <b>Time Range:</b> ST: 6 - 60 sec TR: 20 - 300ms <b>Output Relay (x2):</b> Contact: SPDT Current: 8A Voltage: 250VAC <b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 65g <b>Dimensions:</b> 98x17,5x64mm	<b>Power Supply:</b> AC: 24V to 240 Hz: 47-63 AC/DC: 24V <b>Max Consumption:</b> 3,9VA <b>Time Range:</b> ST: 6 - 60 sec TR: 20 - 300ms <b>Output Relay (x2):</b> Contact: SPDT Current: 8A Voltage: 250VAC <b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 65g <b>Dimensions:</b> 98x17,5x64mm	<b>Power Supply:</b> AC: 415 Hz: 47-63 AC/DC: 24V <b>Max Consumption:</b> 3,9VA <b>Time Range:</b> ST: 6 - 60 sec TR: 20 - 300ms <b>Output Relay (x2):</b> Contact: SPDT Current: 8A Voltage: 250VAC <b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 65g <b>Dimensions:</b> 98x17,5x64mm	<b>Power Supply:</b> AC: 3x200 to 450 Hz: 47-63 <b>Max Consumption:</b> 8VA (L1/L2)_1,2VA (L3) <b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC <b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 60g <b>Dimensions:</b> 98x17,5x64mm
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- OVER & UNDER VOLTAGE RELAYS
- PHASE FAILURE
- LIQUID LEVEL RELAYS

- **DIN Mount - Slim Compact Design - 1 Module**
- **RoHS Compliant**
- **Material: Self Extinguishing VO**
- **Made in Italy**

**NEW**



MICROIDEA

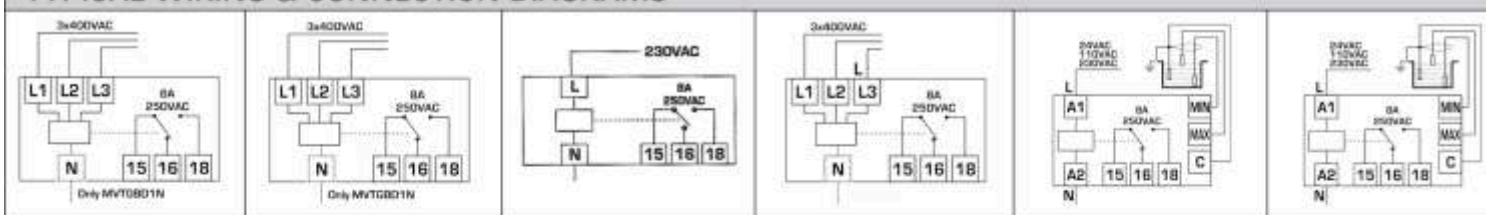


GL3CMMVTGBD1SQ	GL3CMMVTGBD1NQ	GL3CMMVMFBD1M	GL3CMMVTGBD1Q	GL3CMLRMFII1M	GL3CMLRMGII1Q
Under / Over Relay Phase Failure Phase Sequence	Under / Over Relay Phase Failure Phase Sequence + N	Over / Under Relay 1 Phase, 230VAC	Over / Under Relay 3 Phase, 415VAC	Liquid Level Control Relay, 230VAC	Liquid Level Control Relay, 415VAC

### FEATURES

<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 1 Contact SPDT</li> <li>- Adj. Under: 75 - 95% Vn</li> <li>- Adj. Over: 105 - 125% Vn</li> <li>- Time Range 0,2 - 10 sec</li> <li>- De-energize after delay</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 1 Contact SPDT</li> <li>- Adj. Under: 75 - 95% Vn</li> <li>- Adj. Over: 105 - 125% Vn</li> <li>- Time Range 0,2 - 10 sec</li> <li>- De-energize after delay</li> <li>- N loss</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 1 Contact SPDT</li> <li>- Adj. Under: 75 - 95% Vn</li> <li>- Adj. Over: 105 - 125% Vn</li> <li>- Time Range 0,2 - 10 sec</li> <li>- De-energize after delay</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Size - 1 Module</li> <li>- Out 1 Contact SPDT</li> <li>- Adj. Under: 75 - 95% Vn</li> <li>- Adj. Over: 105 - 125% Vn</li> <li>- Time Range 0,2 - 10 sec</li> <li>- De-energize after delay</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Out 1 Contact SPDT</li> <li>- For all Conductive Liquid</li> <li>- Automatic Resetting</li> <li>- Adj. Sens. 2,5K to 100K</li> <li>- Din Rail EN50.022</li> </ul>	<ul style="list-style-type: none"> <li>- Out 1 Contact SPDT</li> <li>- For all Conductive Liquid</li> <li>- Automatic Resetting</li> <li>- Adj. Sens. 2,5K to 100K</li> <li>- Din Rail EN50.022</li> </ul>
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### TYPICAL WIRING & CONNECTION DIAGRAMS



### TECHNICAL SPECIFICATIONS

<b>Power Supply:</b> AC: 3 x 400 Hz: 47-63 Max Consumption: 15VA	<b>Power Supply:</b> AC: 3 x 400+N Hz: 47-63 Max Consumption: 15VA	<b>Power Supply:</b> AC: 230V Hz: 47-63 Max Consumption: 15VA	<b>Power Supply:</b> AC: 3 x 400V Hz: 47-63 Max Consumption: 3,9VA	<b>Power Supply:</b> AC: 230 Hz: 47-63 Max Consumption: 6,5VA Max Cable Length: 100m Isolation Input Probe: 3kV	<b>Power Supply:</b> AC: 415 Hz: 47-63 Max Consumption: 6,5VA Max Cable Length: 100m Isolation Input Probe: 3kV
<b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC	<b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC	<b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC	<b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC	<b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC	<b>Output Relay:</b> Contact: SPDT Current: 8A Voltage: 250VAC
<b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 65g <b>Dimensions:</b> 98x17,5x64mm	<b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 65g <b>Dimensions:</b> 98x17,5x64mm	<b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 60g <b>Dimensions:</b> 98x17,5x64mm	<b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 60g <b>Dimensions:</b> 98x17,5x64mm	<b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 120g <b>Dimensions:</b> 98x36x64mm	<b>Temperature:</b> Work: -10/+50°C <b>Electrical Strength:</b> 4kV <b>Protection Degree:</b> IP40 <b>Relative Humidity:</b> 95 RH% <b>Weight:</b> 120g <b>Dimensions:</b> 98x36x64mm

- PIN TYPE
- DIN MOUNT

### PLUG IN RELAY - 12V, 24V AC



**GL3 RJQX14FCA/B**  
2 C/Over PCB 8 Pin Relay  
Contact Rating: 5 Amps  
12V, 24V AC\*

12V  
24V *\*Specify*

### PLUG IN RELAY - 110V AC



**GL3 RJQX14FCF**  
2 C/Over PCB 8 Pin Relay  
Contact Rating: 5 Amps  
110V AC

### PLUG IN RELAY - 230V AC



**GL3 RJQX14FCM**  
2 C/Over PCB 8 Pin Relay  
Contact Rating: 5 Amps  
230V AC

### PLUG IN RELAY - 12V, 24V DC



**GL3 RJQX14FCADC/BDC**  
2 C/Over PCB 8 Pin Relay  
Contact Rating: 5 Amps  
12V, 24V DC\*

12V  
24V *\*Specify*

### PLUG IN RELAY - 110V DC



**GL3 RJQX14FCF**  
2 C/Over PCB 8 Pin Relay  
Contact Rating: 5 Amps  
110V DC

### GL3 JQX14FC TERMINAL BASE



**GL3 RBSRB08E**  
Surf/Din Mounting Screw  
Terminal Base for  
**GL3 JQX14FC**  
Complete with Relay  
Holding Clips

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX13FLY2C**  
2 C/Over 8 Pin Plug-in Relay 10 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC  
*\*Please Specify*

### GL3 JQX13FLY2C TERMINAL BASE



**GL3 RBPTF08A**  
Surf / Din Mounting Screw  
Terminal Base for  
**GL3 JQX13FLY2C**

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX13FLY3C**  
3 C/Over 11 Pin Plug-in Relay 10 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC  
*\*Please Specify*

### GL3 JQX13FLY3C TERMINAL BASE



**GL3 RBPTF11A**  
Surf / Din Mounting Screw  
Terminal Base for  
**GL3 JQX13FLY3C**

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX13FLY4C**  
4 C/Over 14 Pin Plug-in Relay 10 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC  
*\*Please Specify*

### GL3 JQX13FLY4C TERMINAL BASE



**GL3 RBPTF14A**  
Surf / Din Mounting Screw  
Terminal Base for  
**GL3 JQX13FLY4C**

## RELAYS AND BASES

- PIN TYPE
- DIN MOUNT

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX76FTU2A**  
2 x N/O 6 Pin Plug-in Relay 25 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC  
400VAC

**\*Please Specify**

### GL3 JQX76FTU2A TERMINAL BASE



**GL3 RBP76F06**  
Square 6 Pin Base for  
GL3 JQX76FTU2A

### DIN MOUNT RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX76FBLD2**  
2 x N/O **Din Mount** Relay 25 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC  
400VAC

**\*Please Specify**

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX10F2**  
2 C/Over 8 Pin Plug-in Relay 10 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC

**\*Please Specify**

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX10F3**  
3 C/Over 11 Pin Plug-in Relay 10 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC

**\*Please Specify**

### BASE



**GL3 RBPF083A**  
8 Pin Base for **GL3 JQX10F2**  
Screw Terminal

### BASE



**GL3 RB10FF8**  
8 Pin Base for **GL3 JQX10F2**  
Screw Terminal

### BASE



**GL3 RBPF113A**  
11 Pin Base for **GL3 JQX10F3**  
Screw Terminal

### BASE



**GL3 RB10FF11**  
11 Pin Base for **GL3 JQX10F3**  
Screw Terminal

### RELAYS WITH LED, TEST BUTTON AND FLAG INDICATOR

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX13FKF2CL**  
2 C/Over 8 Pin Plug-in Relay 5 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC

**\*Please Specify**

### GL3 JQX13FKF2CL TERMINAL BASE



**GL3 RBSKB08E**  
Surf/Din Mounting Screw Terminal Base  
for **GL3 JQX13FKF2CL**  
Complete with Relay Holding Clips

### PLUG IN RELAY - AVAILABLE IN AC OR DC



**GL3 RJQX13FKF4CL**  
4 C/Over 14 Pin Plug-in Relay 5 Amps  
Available in AC or DC

**\*Voltages Available**  
12, 24, 48, 110 & 230VAC  
12, 24, 48, 110 VDC

**\*Please Specify**

### GL3 JQX13FKF4CL TERMINAL BASE



**GL3 RBSKB14E**  
Surf/Din Mounting Screw Terminal Base  
for **GL3 JQX13FKF4CL**  
Complete with Relay Holding Clips



## SOLID STATE RELAYS

- SINGLE POLE WITH INDICATION
- THREE POLE WITH INDICATION

### SINGLE POLE SOLID STATE RELAYS WITH INDICATION

•NOTE: Rated Load current is for Resistive Load only

•For Capacitive or Inductive Load the Solid State Relay must be Rated accordingly

#### SINGLE POLE SOLID STATE RELAY



##### GL3 RSSRD4810

Related Load Current:  
10A @ 480VAC

Operating Voltage:  
3 to 32VDC

#### SINGLE POLE SOLID STATE RELAY



##### GL3 RSSRD4825

Related Load Current:  
25A @ 480VAC

Operating Voltage:  
3 to 32VDC

#### SINGLE POLE SOLID STATE RELAY



##### GL3 RSSRD4840

Related Load Current:  
40A @ 480VAC

Operating Voltage:  
3 to 32VDC

#### SINGLE POLE SOLID STATE RELAY



##### GL3 RSSRD4860

Related Load Current:  
60A @ 480VAC

Operating Voltage:  
3 to 32VDC

#### SINGLE POLE SOLID STATE RELAY



##### GL3 RSSRD4880

Related Load Current:  
80A @ 480VAC

Operating Voltage:  
3 to 32VDC

#### SINGLE POLE SOLID STATE RELAY



##### GL3 RSSRD48100

Related Load Current:  
100A @ 480VAC

Operating Voltage:  
3 to 32VDC

#### SINGLE POLE SOLID STATE RELAY

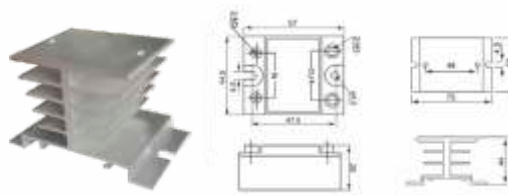


##### GL3 RSSRD48120

Related Load Current:  
120A @ 480VAC

Operating Voltage:  
3 to 32VDC

#### HEAT SINK FOR SINGLE POLE STATE RELAYS



GL3 RSSR1HS  
Heat Sinks

### THREE POLE SOLID STATE RELAYS WITH INDICATION

•NOTE: Rated Load current is for Resistive Load only

•For Capacitive or Inductive Load the Solid State Relay must be Rated accordingly

#### THREE POLE SOLID STATE RELAY



##### GL3 RSSR3P4810

Related Load Current:  
10A @ 480VAC

Operating Voltage:  
4 to 32VDC

#### THREE POLE SOLID STATE RELAY



##### GL3 RSSR3P4825

Related Load Current:  
25A @ 480VAC

Operating Voltage:  
4 to 32VDC

#### THREE POLE SOLID STATE RELAY



##### GL3 RSSR3P4840

Related Load Current:  
40A @ 480VAC

Operating Voltage:  
4 to 32VDC

#### THREE POLE SOLID STATE RELAY



##### GL3 RSSR3P4860

Related Load Current:  
60A @ 480VAC

Operating Voltage:  
4 to 32VDC

#### THREE POLE SOLID STATE RELAY



##### GL3 RSSR3P4880

Related Load Current:  
80A @ 480VAC

Operating Voltage:  
4 to 32VDC

#### THREE POLE SOLID STATE RELAY



##### GL3 RSSR3P48100

Related Load Current:  
100A @ 480VAC

Operating Voltage:  
4 to 32VDC

#### THREE POLE SOLID STATE RELAY

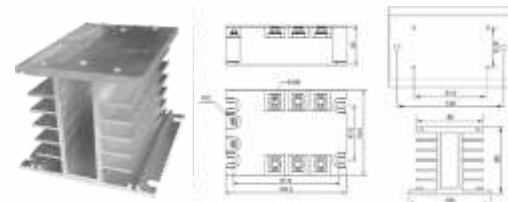


##### GL3 RSSR3P48120

Related Load Current:  
120A @ 480VAC

Operating Voltage:  
4 to 32VDC

#### HEAT SINK FOR THREE POLE STATE RELAYS



GL3 RSSR4HS  
Heat Sinks



- POLYAMIDE 6.6
- BRIDGE BARS & ACCESSORIES

- **DIN rail Terminals**
- **Made of Polyamide 6.6 - Self Extinguishing**
- **Approvals**



PART NUMBER	DESCRIPTION	WIRE SIZE	TERMINAL WIDTH	RATED CURRENT	LIST PRICE
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### STANDARD TERMINALS - (POLYAMIDE 6.6)

GL3 TST025	2.5 mm Terminal	0.5 - 2.5mm	5 mm	24 Amps	
GL3 TST040	4 mm Terminal	0.5 - 4 mm	6 mm	32 Amps	
GL3 TST060	6 mm Terminal	0.5 - 6 mm	7 mm	41 Amps	
GL3 TST100	10 mm Terminal	1.5 - 10 mm	9 mm	57 Amps	
GL3 TST160	16 mm Terminal	2.5 - 25 mm	12 mm	101 Amps	
GL3 TST350	35 mm Terminal	6 - 50 mm	16 mm	150 Amps	
GL3 TST700	70 mm Terminal	16 - 70 mm	26 mm	192 Amps	

\* Fully Insulated (No end plate required)

### END PLATES FOR STANDARD TERMINALS - (POLYAMIDE 6.6)

GL3 TEP025	2.5 & 4 mm	End Plate			
GL3 TEP100	6 & 10 mm	End Plate			
GL3 TEP160	16 mm	End Plate			
GL3 TEP350	35 mm	End Plate			

### DIVISION PLATES FOR STANDARD TERMINALS (POLYAMIDE 6.6)

GL3 TDP040	2.5 - 4 mm	Division Plate			
GL3 TDP100	6 - 10 mm	Division Plate			

### END STOPS FOR ALL TERMINALS (POLYAMIDE 6.6)

GL3 TES		Terminal End Stop (Metallic Clamp)			
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### PROTECTIVE COVERS FOR STANDARD TERMINALS - (POLYCARBONATE)

GL3 TPC025	2.5 - 4 mm	Protective Cover			
GL3 TPC040	4 mm	Protective Cover			
GL3 TPC100	6 - 10 mm	Protective Cover			
GL3 TPC160	16 mm	Protective Cover			
GL3 TPC350	35 mm	Protective Cover			

### TWO TIER TERMINALS - (POLYAMIDE 6.6)

GL3 T2T040	4 mm	Two Tier Terminal	10.5 - 4 mm	6 mm	32 Amps
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### END PLATES FOR TWO TIER TERMINALS - (POLYAMIDE 6.6)

GL3 T2EP040	4 mm	End Plate			
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### PROTECTIVE COVERS FOR TWO TIER TERMINALS - (POLYCARBONATE)

GL3 T2PC040	4 mm	Protective Cover			
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### THREE TIER TERMINALS - (POLYAMIDE 6.6)

GL3 T3T025	2.5mm	Three Tier Terminal		5.3mm	10 Amps
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### END PLATES FOR THREE TIER TERMINALS - (POLYAMIDE 6.6)

GL3 T3EP025	2.5mm	End Plate			
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### FUSED TERMINALS - (POLYAMIDE 6.6)

GL3 TFT040	4 mm	Fused Terminal		10 mm	Excl. 5x20 Fuse
GL3 TFT040D	4 mm	Disconnecting Terminal		10 mm	Including Link

### EARTH TERMINALS (GREEN / YELLOW) - (POLYAMIDE 6.6)

GL3 TET040	4 mm	Earth Terminal	0.5 - 4 mm	7 mm	
GL3 TET060	6 mm	Earth Terminal	0.5 - 6 mm	8 mm	
GL3 TET100	10 mm	Earth Terminal	1.5 - 10 mm	10 mm	
GL3 TET250	25 mm	Earth Terminal	1.5 - 25 mm	12 mm	
GL3 TET500	50 mm	Earth Terminal	2.5 - 50 mm	16 mm	

### BRIDGE BAR PACKAGES - (ELECTROLYTIC COPPER - NICKEL PLATED)

GL3 TBB025	2.5mm	Bridge Bar	24 Pole	98 -	
GL3 TBB040	4 mm	Bridge Bar	24 Pole	82 -	
GL3 TBB100	10 mm	Bridge Bar	0.5 m length	55 screws	
GL3 TBB160	16 mm	Bridge Bar	0.5 m length	41 screws	
GL3 TBB350	35 mm	Bridge Bar	0.5 m length	32 screws	



- TERMINAL MARKERS
- DIN TERMINAL BLOCKS WITH COVERS

- **Terminal Markers - Polyamide 6.6**
- **To be used with Morsettitalia Terminals**
- **DIN and Base Mount Terminals with Covers**

PART NUMBER	DESCRIPTION	SIZE
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### TERMINAL NUMBER MARKERS - 10 MARKERS PER STRIP

GL3 T43060/*	Terminal Number Marker	2.5 - 70 mm
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\* = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

### TERMINAL ALPHABET MARKERS - 10 MARKERS PER STRIP

GL3 T43060/*	Terminal Alphabet Marker	2.5 - 70 mm
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\* = A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

### TERMINAL MARKERS - 10 MARKERS PER STRIP

GL3 T43060/*	Terminal Marker	2.5 - 70 mm
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\* = +, -, ER (Earth Symbol)

GL3 T43094	Marking Tag Adaptor	6 slots for tags
GL3 T43192	Blank Marking Tag	2.5 mm
GL3 T43196	Blank Marking Tag	4 - 70 mm
GL3 T43541	Three Tier Blank Marking Tag	

### TERMINAL NUMBER MARKERS

GL3 T43300	Terminal Number Marker	1 - 10	2.5 - 70 mm
GL3 T43301	Terminal Number Marker	11 - 20	2.5 - 70 mm
GL3 T43302	Terminal Number Marker	21 - 30	2.5 - 70 mm
GL3 T43303	Terminal Number Marker	31 - 40	2.5 - 70 mm
GL3 T43304	Terminal Number Marker	41 - 50	2.5 - 70 mm
GL3 T43305	Terminal Number Marker	51 - 60	2.5 - 70 mm
GL3 T43306	Terminal Number Marker	61 - 70	2.5 - 70 mm
GL3 T43307	Terminal Number Marker	71 - 80	2.5 - 70 mm
GL3 T43308	Terminal Number Marker	81 - 90	2.5 - 70 mm
GL3 T43309	Terminal Number Marker	91 - 100	2.5 - 70 mm

PART NUMBER	DESCRIPTION	WIRE SIZE	POLES	RATED CURRENT
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### DIN RAIL TERMINAL BLOCKS WITH COVERS

GL3 TIN12BK	Terminal Block	2.5 mm	2 pole	20 Amps
GL3 TIN13SBK	Terminal Block	2.5 mm	3 pole	15 Amps
GL3 TIN20BK	Terminal Block	4.0 mm	3 pole	30 Amps
GL3 TIN30BK	Terminal Block	10 mm	3 pole	50 Amps
GL3 TIN411S	Terminal Block	16 mm	1 pole	60 Amps
GL3 TIN60BK	Terminal Block	25 mm	1 pole	90 Amps
GL3 TIN100K	Terminal Block	35 mm	1 pole	130 Amps
GL3 TIN200K	Terminal Block	95 mm	1 pole	240 Amps
GL3 TIN400K	Terminal Block	195 mm	1 pole	370 Amps



- For neat and professional termination
- Un-insulated
- Insulated



NEW

NEW

NEW

PART NUMBER	DESCRIPTION	TERMINALS	FIXING	LIST PRICE
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### UN-INSULATED TERMINAL BAR + SUPPORTS

GL3 TBU9604	9 x 6 mm Terminal Bar	4 Way	Screw On	
GL3 TBU9606	9 x 6 mm Terminal Bar	6 Way	Screw On	
GL3 TBU9608	9 x 6 mm Terminal Bar	8 Way	Screw On	
GL3 TBU9610	9 x 6 mm Terminal Bar	10 Way	Screw On	
GL3 TBU9612	9 x 6 mm Terminal Bar	12 Way	Screw On	

### UN-INSULATED TERMINAL BAR + SUPPORTS

GL3 TBUI2804	12 x 8 mm Terminal Bar	4 Way	Screw On	
GL3 TBUI2806	12 x 8 mm Terminal Bar	6 Way	Screw On	
GL3 TBUI2808	12 x 8 mm Terminal Bar	8 Way	Screw On	
GL3 TBUI2810	12 x 8 mm Terminal Bar	10 Way	Screw On	
GL3 TBUI2812	12 x 8 mm Terminal Bar	12 Way	Screw On	

### TERMINAL BAR WITH COVER

GL3 TBUC6810	6 x 8 mm Terminal Bar + Cover	10 Way	Screw On	
GL3 TBUC6815	6 x 8 mm Terminal Bar + Cover	15 Way	Screw On	
GL3 TBUC81205	8 x 12 mm Terminal Bar + Cover	5 Way	Screw On	
GL3 TBUC81210	8 x 12 mm Terminal Bar + Cover	10 Way	Screw On	
GL3 TBUC81215	8 x 12 mm Terminal Bar + Cover	15 Way	Screw On	

### UN-INSULATED PLATED BRASS TERMINAL BAR

GL3 TUB184	8 x 12 mm (2 x 6mm and 21 x 4.5mm connections)		Screw On	
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### UN-INSULATED BRASS TERMINAL BAR

GL3 TUB230	9 x 19 mm (2 x 10mm and 24 x 5mm double connections)		Screw On	
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### FULLY INSULATED EARTH BAR & STUD - GREEN

GL3 TIEB8124	8 x 12 mm Insulated Earth Terminal	4 Way	Screw On	
GL3 TIEB8126	8 x 12 mm Insulated Earth Terminal	6 Way	Screw On	
GL3 TIEB8128	8 x 12 mm Insulated Earth Terminal	8 Way	Screw On	
GL3 TIEB81210	8 x 12 mm Insulated Earth Terminal	10 Way	Screw On	
GL3 TIEB81212	8 x 12 mm Insulated Earth Terminal	12 Way	Screw On	

### FULLY INSULATED NEUTRAL BAR - BLUE

GL3 TINB8124	8 x 12 mm Insulated Neutral Terminal	4 Way	Screw On	
GL3 TINB8126	8 x 12 mm Insulated Neutral Terminal	6 Way	Screw On	
GL3 TINB8128	8 x 12 mm Insulated Neutral Terminal	8 Way	Screw On	
GL3 TINB81210	8 x 12 mm Insulated Neutral Terminal	10 Way	Screw On	
GL3 TINB81212	8 x 12 mm Insulated Neutral Terminal	12 Way	Screw On	





- **SU Busbar Material: Thermo Plastic Polyester**
- **Rated Voltage up to 1000V, 50 - 60Hz**
- **Inserts may be used to facilitate the use of smaller Busbar**



GL3 SU1

GL3 SU2



GL3 SU3

GL3 SU31



GL3 SUA3

GL3 SU3A



GL3 SU3ACOVER

GL3 SU4



INSERTS FOR BUSBAR HOLDERS



BUSBAR CONNECTORS

PART NUMBER	DESCRIPTION	MAXIMUM SIZE	LIST PRICE
<b>SU BUSBAR HOLDERS - RATED UP TO 800A</b>			
GL3 SU1	1 Pole Busbar Holder - Vertical	30 x 10	
GL3 SU2	2 Pole Busbar Holder - Stepped - Vertical	30 x 10	
GL3 SU3	3 Pole Busbar Holder - Straight - Vertical	30 x 10	
GL3 SU31	3 Pole Busbar Holder - Stepped - Vertical	30 x 10	
GL3 SUA3	3 Pole Busbar Holder - Stepped - Horizontal	30 x 10	
GL3 SU3A	3 Pole Busbar Holder - Straight - Vertical	30 x 10	
GL3 SU4	4 Pole Busbar Holder - Straight - Vertical	30 x 10	

#### ADJUSTABLE SU BUSBAR COVERS

GL3 SU3ACOVER Cover for **SU3A** Adjustable 3 Pole Busbar Holder

#### INSERTS FOR BUSBAR HOLDERS

GL3 SU30X5	Busbar Size	30 x 5	SU1, SU2, SU3, SU3-1 & SU4
GL3 SU30X5	Busbar Size	20 x 5	SU1, SU2, SU3, SU3-1 & SU4
GL3 SU20X10	Busbar Size	20 x 10	SU1, SU2, SU3, SU3-1 & SU4
GL3 SU25X5	Busbar Size	25 x 5	SU1, SU2, SU3, SU3-1 & SU4

#### BUSBAR CONNECTOR - FOR DIRECT CLAMPING ONTO BUSBAR

GL3 SU201	Wire Size:	1 - 4 mm	Busbar Thickness:	4 - 5 mm
GL3 SU202	Wire Size:	2,5 - 16 mm	Busbar Thickness:	4 - 5 mm
GL3 SU203	Wire Size:	16 - 50 mm	Busbar Thickness:	4 - 5 mm
GL3 SU204	Wire Size:	35 - 70 mm	Busbar Thickness:	4 - 5 mm
GL3 SU206	Wire Size:	1 - 4 mm	Busbar Thickness:	9 - 10 mm
GL3 SU207	Wire Size:	2,5 - 16 mm	Busbar Thickness:	9 - 10 mm
GL3 SU208	Wire Size:	16 - 50 mm	Busbar Thickness:	9 - 10 mm
GL3 SU209	Wire Size:	35 - 70 mm	Busbar Thickness:	9 - 10 mm
GL3 SU300	Wire Size:	70 - 185 mm	Busbar Thickness:	9 - 10 mm



- DIN MOUNT
- BOLT MOUNT



- **Terminal Material: Polyimide 6.6 Self-extinguishing**
  - **DIN Rail Mounting**
  - **Transparent Cover for Viewing Terminations**
- EN60947-1, Ipk 20kA - Ui500V**

PART NUMBER	DESCRIPTION	TERMINALS PER POLE	DIMENSIONS L x D x W		LIST PRICE
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### MULTI POLE DISTRIBUTION BLOCK - DIN RAIL MOUNT

GL3 UK207	2 Pole 100A	1 x 25 mm	1 x 16 mm	5 x 6 mm	94 x 50 x 44
GL3 UK407	4 Pole 125A	1 x 25 mm	1 x 16 mm	5 x 6 mm	109 x 50 x 85
GL3 UK411	4 Pole 125A	1 x 25 mm	3 x 25 mm	7 x 6 mm	147 x 50 x 85
GL3 UK415	4 Pole 125A	1 x 25 mm	3 x 16 mm	11 x 6 mm	182 x 50 x 85

### MULTI POLE DISTRIBUTION BLOCK - DIN RAIL OR BOLT DOWN MOUNT

PART NUMBER	AMP RATING	UI	INPUT mm <sup>2</sup>	OUTPUT mm <sup>2</sup>	DIMENSIONS L x H x W
GL3 FJ63	63A	600V	1 x 16 mm	2 x 16 mm 3 x 6 mm	69 x 46 x 30
GL3 FJ80	80A	600V	1 x 16 mm	2 x 16 mm 3 x 6 mm	69 x 46 x 30
GL3 FJ100	100A	600V	1 x 35 mm 1 x 16 mm	6 x 16 mm	77 x 46 x 29
GL3 FJ125	125A	600V	1 x 35 mm 1 x 16 mm	6 x 16 mm	77 x 46 x 29
GL3 FJ160	160A	600V	1 x 70 mm 1 x 16 mm	6 x 16 mm	69 x 46 x 30
GL3 FJ250	250A	600V	1 x 120mm	4 x 10 mm 5 x 16 mm 2 x 35 mm	96 x 50 x 49
GL3 FJ400	400A	600V	1 x 185mm	4 x 10 mm 5 x 16 mm 2 x 35 mm	96 x 50 x 49



- FUSE HOLDERS
- FUSES
- LEGEND HOLDERS
- DIN RAIL
- PANEL FANS

- **DIN Mount Fuse Holders to fit 10 x 38 Ceramic Cylindrical Fuse**
- **Panel Mount Fuse Holders to fit 5 x 20 & 6.3 x 30 Glass fuses**
- **22mm Legend Plate Holders for 22mm Control Devices**
- **DIN Rail for Panel Applications**
- **Panel Fans for Panel Ventilation**

PART NUMBER	DESCRIPTION	AMPS	LIST PRICE
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### FUSE HOLDER & FUSES

GL3 FH10381P	DIN Mount + LED Indication 10 x 38mm Fuse Holder 1 Pole		
GL3 FH10382P	DIN Mount + LED Indication 10 x 38mm Fuse Holder 2 Pole		
GL3 FH10382NP	DIN Mount 1P + N 10 x 38mm Fuse Holder 2 Pole		
GL3 FH10383P	DIN Mount + LED Indication 10 x 38mm Fuse Holder 3 Pole		
GL3 F103801	10 x 38mm Ceramic Fuse	1 Amp	
GL3 F103802	10 x 38mm Ceramic Fuse	2 Amps	
GL3 F103804	10 x 38mm Ceramic Fuse	4 Amps	
GL3 F103806	10 x 38mm Ceramic Fuse	6 Amps	
GL3 F103810	10 x 38mm Ceramic Fuse	10 Amps	
GL3 F103816	10 x 38mm Ceramic Fuse	16 Amps	
GL3 F103820	10 x 38mm Ceramic Fuse	20 Amps	
GL3 F103825	10 x 38mm Ceramic Fuse	25 Amps	
GL3 F1038NL	10 x 38mm Cylindrical Neutral Link		

### GLASS FUSES

GL3 FM500	5 x 20 Glass Fuse 1,2,3,4,5,6,8,10,15,20A
GL3 FM600	6.3 x 30 Glass Fuse 1,2,3,4,5,6,8,10,15,20A

### PANEL MOUNT FUSE HOLDER

GL3 FHPM113	13mm Panel Mount Fuse Holder (Stove) 5 x 20	250V
GL3 FHPM115	15mm Panel Mount Fuse Holder (Stove) 6 x 32	250V

### LEGEND PLATES - PLASTIC WITH INSERT

GL3 ZB2LH	Legend Plate Holder	Black
GL3 ZB2AH	Auto - Hand	White
GL3 ZB2AOH	Auto - O - Hand	White
GL3 ZB2BL	Blank	White
GL3 ZB2D	Down	White
GL3 ZB2ES	Emergency Stop	Red
GL3 ZB2F	Forward	White
GL3 ZB2I	Inch	White
GL3 ZB2O	Off	White
GL3 ZB2OO	Off - On	White
GL3 ZB2ON	On	White
GL3 ZB2RES	Re-set	White
GL3 ZB2REV	Reverse	White
GL3 ZB2SRT	Start	White
GL3 ZB2STP	Stop	White
GL3 ZB2UP	Up	White

Customised Labels can be made **ON REQUEST**

### DIN RAIL

GL3 DR35P1	Plain DIN Rail	1m per length
GL3 DR25S1	Slotted DIN Rail	1m per length
GL3 TSS	Bolt-on Angled Support for DIN Rail	1m per length
GL3 TSF	Bolt-on Flat Support for DIN Rail	1m per length

**DIN Rail Pre-cut - Suited to Customers Requirements**  
**- Stainless Steel Available on Request**

PART NUMBER	DESCRIPTION	SIZE	WATTS-VOLTS	AIR FLOW
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### PANEL FANS

GL3 100FZYS	Panel Fan with Grill	100mm	18W - 230V	1.4m <sub>3</sub> /min
GL3 125FZYS	Panel Fan with Grill	125mm	25W - 230V	2.5m <sub>3</sub> /min

Available in 110VAC and 230VAC

## PANEL ACCESSORIES

- BUSBAR INSULATORS
- DOUGH MOULDED COMPOUND (DMC)
- SLOTTED & FLEXIBLE TRUNKING
- SPIRAL WRAPPING BANDS



- **Robust Dough Moulded Compound for high tensile strength**
- **Various colours**
- **Available with or without studs**
- **Ideal for separating Busbars**

PART NUMBER	TENSILE STRENGTH	STUDS	VOLTAGE WITHSTAND	TORQUE STRENGTH	SCREW SIZE/DEPTH	LIST PRICE
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### BUS BAR INSULATORS

GL3 BBIS8421*	700 lbs	No Studs	8 kV	11 Nm	8 mm	
GL3 BBIS8423*	700 lbs	Studs	8 kV	11 Nm	8 mm	
GL3 BBISM25*	500 lbs	No Studs	6 kV	7 Nm	6 mm / 9 mm	
GL3 BBISM30*	550 lbs	No Studs	8 kV	9 Nm	8 mm / 11 mm	
GL3 BBISM35*	600 lbs	No Studs	10 kV	11 Nm	8 mm / 11 mm	
GL3 BBISM40*	650 lbs	No Studs	12 kV	13 Nm	8 mm / 11 mm	
GL3 BBISM51*	1000 lbs	No Studs	15 kV	23 Nm	8 mm / 14 mm	
GL3 BBISM60*	1200 lbs	No Studs	20 kV	40 Nm	10 mm / 15 mm	
GL3 BBISM76*	1500 lbs	No Studs	25 kV	46 Nm	10 mm / 20 mm	

\*ABOVE AVAILABLE IN THE FOLLOWING COLOURS R - ● W - ○ B - ● BK - ●

PART NUMBER	DIMENSIONS W X H X L	COLOUR
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### NARROW SLOT (4MM SLOT / 6MM TONGUE) - 2M LENGTHS

GL3 ST2525	25 x 25 x 2000 mm	Grey
GL3 ST2540	25 x 40 x 2000 mm	Grey
GL3 ST2560	25 x 60 x 2000 mm	Grey
GL3 ST2580	25 x 80 x 2000 mm	Grey
GL3 ST4040	40 x 40 x 2000 mm	Grey
GL3 ST4060	40 x 60 x 2000 mm	Grey
GL3 ST4080	40 x 80 x 2000 mm	Grey
GL3 ST6040	60 x 40 x 2000 mm	Grey
GL3 ST6060	60 x 60 x 2000 mm	Grey
GL3 ST6080	60 x 80 x 2000 mm	Grey
GL3 ST10040	100 x 40 x 2000 mm	Grey
GL3 ST10060	100 x 60 x 2000 mm	Grey
GL3 ST10080	100 x 80 x 2000 mm	Grey
GL3 ST12060	120 x 60 x 2000 mm	Grey
GL3 ST12080	120 x 80 x 2000 mm	Grey

### FLEXIBLE WIRING DUCT (7,5mm SLOT / 5mm TONGUE - 500mm LENGTHS)

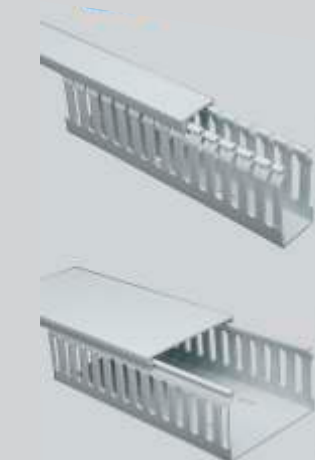
GL3 STFLX10	12,5 x 12,5 mm	Flexible Wiring Ducting
GL3 STFLX20	20 x 20 mm	Flexible Wiring Ducting
GL3 STFLX30	30 x 30 mm	Flexible Wiring Ducting



- **No Cover Required**
- **Fasten by Screw, Rivets or Self Adhesive Double Sided Tape (Supplied)**
- **For Connecting between Panels & Doors for Cables subject to Bending & Twisting**
- **Colour RAL7040 Grey**

### PLASTIC SPIRAL WRAPPING BANDS - 10M LENGTH

GL3 SB06	Inner Diameter 4 mm	Bundle Diameter 4 - 50 mm
GL3 SB08	Inner Diameter 6 mm	Bundle Diameter 6 - 60 mm
GL3 SB10	Inner Diameter 7.5 mm	Bundle Diameter 7.5 - 60 mm
GL3 SB12	Inner Diameter 9 mm	Bundle Diameter 9 - 65 mm
GL3 SB15	Inner Diameter 12 mm	Bundle Diameter 12 - 75 mm
GL3 SB19	Inner Diameter 15 mm	Bundle Diameter 15 - 100 mm
GL3 SB24	Inner Diameter 20 mm	Bundle Diameter 20 - 130 mm





## SWITCHES

- MICRO SWITCHES
- MINI MICRO SWITCHES

- 15A Rated
- Various types for all applications



GL3 MJ21300  
Pin Micro Switch



GL3 MJ21301  
Lever Micro  
Switch



GL3 MJ21303  
Roller Lever  
Micro Switch



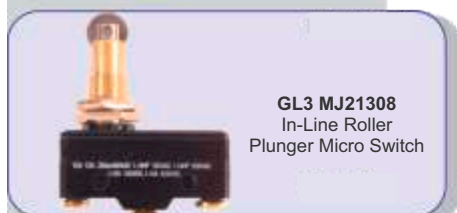
GL3 MJ21305  
Thin Plunger  
Micro Switch



GL3 MJ21306  
Plunger Micro  
Switch



GL3 MJ21307  
Ext. Plunger  
Micro Switch



GL3 MJ21308  
In-Line Roller  
Plunger Micro Switch



GL3 MJ21318  
90-Roller Plunger  
Micro Switch



GL3 MJ21701  
Long Arm  
Micro Switch



GL3 MJ21702  
Short Arm  
Micro Switch



GL3 MJ21703  
Long Arm Roller  
Micro Switch



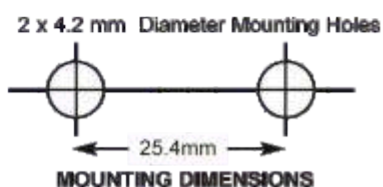
GL3 MJ21704  
Short Arm  
Roller Micro Switch



GL3 MJ21705  
Whisker Micro Switch



GL3 MJCB1  
Plastic Terminal Guard  
for Micro Switches



GL3 V151C25



GL3 V1511C25



GL3 V1521C25



GL3 V1531C25



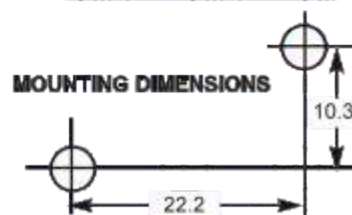
GL3 V1541C25



GL3 V1551C25



GL3 V1561C25





## SWITCHES

- MICRO SWITCHES - MAXI
- SEALED LIMIT SWITCHES
- WATER & OIL RESISTANT

- 1 NO + 1 NC contacts
- 10A @ 250VAC Micro Switches Maxi
- 15A @ 250VAC Limit Switches

### MICRO SWITCHES MAXI - 10A @ 250VAC



**GL3 ME7100**  
Plunger Micro Switch



**GL3 ME7110**  
Extended  
Plunger  
Micro Switch



**GL3 ME7120**  
Long Lever  
Micro Switch



**GL3 ME7121**  
Long Roller  
Lever  
Micro Switch

**NEW**



**GL3 ME7124**  
Long Double  
Roller Lever  
Micro Switch



**GL3 ME7140**  
Short Lever  
Micro Switch



**GL3 ME7141**  
Short Roller  
Lever  
Micro Switch



**GL3 ME7144**  
Short  
Double Roller  
Lever  
Micro Switch



**GL3 ME7166**  
Long Coil  
Spring  
Micro Switch



**GL3 ME7310**  
Plunger  
Micro Switch



**GL3 ME7311**  
Roller Plunger  
Micro Switch



**GL3 ME7312**  
90° Roller  
Plunger  
Micro Switch

### SEALED LIMIT SWITCHES - ALUMINIUM CASTING - WATER & OIL RESISTANT - 15A @ 250VAC



**GL3 ME6001**  
Plunger Limit Switch



**GL3 ME6002**  
Roller Plunger Limit Switch



**GL3 ME6004**  
Roller Lever Plunger Limit Switch



**GL3 ME6101**  
Short Plunger Limit Switch

**NEW**



**GL3 ME6102**  
Roller Plunger Limit Switch



**GL3 ME6104**  
Roller Lever  
Plunger Limit Switch



**GL3 ME6106**  
Coil Spring  
Limit Switch



**GL3 ME6143**  
Roller Lever  
Plunger Limit Switch

## SWITCHES

- LIMIT SWITCHES
- SAFETY KEY INTERLOCK LIMIT SWITCHES

- 1 NO + 1 NC contacts
- 10A @ 250VAC Limit Switches

### 28mm LIMIT SWITCHES - 10A @ 250VAC



**GL3 ME8111**  
Plunger  
Limit Switch



**GL3 ME8112**  
Roller Plunger  
Limit Switch



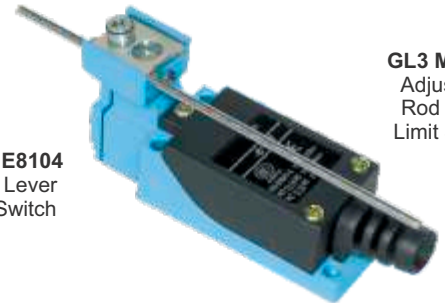
**GL3 ME8122**  
90° Roller Plunger  
Limit Switch



**GL3 ME8108**  
Adjustable  
Roller Lever  
Limit Switch



**GL3 ME8104**  
Roller Lever  
Limit Switch



**GL3 ME8107**  
Adjustable  
Rod Lever  
Limit Switch



**GL3 ME8166**  
Plastic Tipped Coil  
Limit Switch



**GL3 ME8167**  
Coil Limit Switch



**GL3 ME8168**  
Steel Tipped  
Coil Limit Switch



**GL3 ME8169**  
Cat's Whisker  
Limit Switch

### SAFETY - KEY INTERLOCK LIMIT SWITCHES - 10A @ 250VAC



**GL3 ME93CPG**  
Safety Key Interlock  
Limit Switch  
1 NO + 1 NC



**GL3 ME93BPG**  
Safety Key Interlock  
Limit Switch  
2 NC



**GL3 ME93K1**  
Horizontal  
Actuating Key



**GL3 ME93K2**  
Vertical  
Actuating Key



**GL3 ME93K3**  
Adjustable  
Actuating Key

**NEW**

**PLEASE NOTE**  
Actuating Key  
to be ordered  
seperately

- 1 NO + 1 NC contacts
- 10A @ 250VAC

40mm LIMIT SWITCHES - 10A @ 250VAC



**GL3 MED**  
Plunger Limit Switch



**GL3 MED1**  
In-Line Roller  
Plunger  
Limit Switch



**GL3 MED2**  
90° In-Line  
Roller Plunger  
Limit Switch



**GL3 MED3**  
Bullet Head  
Plunger  
Limit Switch



**GL3 MECA290**  
**GL3 MECA22180**  
Roller Lever  
Limit Switch



**GL3 MECA1290**  
**GL3 MECA122180**  
Adjustable Roller  
Lever Limit Switch



**GL3 MECA3241**  
Forked Roller  
Lever  
Limit Switch



**GL3 MECL**  
Adjustable  
Rod Lever  
Limit Switch



**GL3 MENJ**  
Coil  
Limit Switch



**NEW**

**GL3 MENJ30**  
Steel Tipped  
Coil  
Limit Switch



**NEW**

**GL3 MENJ2**  
Plastic Tipped  
Coil  
Limit Switch



**NEW**

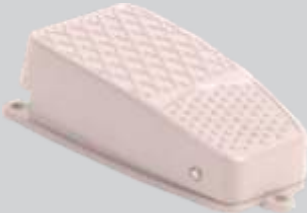
**GL3 MENJS2**  
Cat's Whisker  
Coil  
Limit Switch



- STEEL FOOT SWITCHES
- PRE WIRED LIMIT SWITCHES

- **Foot Switch with 16A 1 x Change Over Contact**
- **IP67 Pre-Wired Limit Switches with 10A 1 x NO + 1 NC @ 250VAC**

### FOOT SWITCHES



**GL3 FS3**  
Light Duty Steel Mini Foot Switch  
16A @ 250VAC  
Contacts 1 C/O Contact



**GL3 FS4**  
Heavy Duty Steel Mini Foot Switch  
16A @ 250VAC  
Contacts 1 C/O Contact  
No Cover



**GL3 FS5**  
Heavy Duty Steel Foot Switch  
with Foot Guard  
16A @ 250VAC  
Contacts 1 C/O Contact



**NEW**

**GL3 FS7**  
Heavy Duty Steel Dual Foot Switch  
with Foot Guard  
16A @ 250VAC  
Contacts 1 C/O Contact

### PRE WIRED LIMIT SWITCHES - IP67 - CABLE LENGTH 2M



**GL3 ME3101**  
Plunger Limit Switch



**GL3 ME3102**  
In Line Roller Limit Switch



**GL3 ME3101**  
90 Roller Limit Switch



**GL3 ME3104**  
Roller Arm Limit Switch



**GL3 ME3108**  
Adjustable Roller Arm Switch



**GL3 ME3110**  
Plunger Chamfer Limit Switch



**GL3 ME3111**  
Plunger with Rubber Boot  
Limit Switch



**GL3 ME3112**  
In Line Roller with  
Rubber Boot Limit Switch



**GL3 ME3113**  
90 Roller with Rubber Boot  
Limit Switch



**GL3 ME3167**  
Coil Spring with  
Rubber Boot Limit Switch



**GL3 ME3169**  
Cats Whisker with  
Rubber Boot Limit Switch



- FLUSH & EXTENDED HEAD
- CYLINDRICAL TYPE

**NEW**



FLUSH HEAD

- 2 & 8mm Diameter
- Sensing Distance 1 - 8mm Range
- Operating Voltage: 10 To 30VDC
- Maximum Capacity: 200mA

PART NUMBER	DIAMETER (mm)	SENSING DISTANCE	CONNECTION	NO/NC	FLUSH / EXTENDED HEAD	LIST PRICE
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**INDUCTIVE (METAL) M J Y CYLINDRICAL TYPE**

GL3 MJY0801LA	8mm	1mm	DC. 2 Wire	NO	Flush	
GL3 MJY0802LA	8mm	2mm	DC. 2 Wire	NO	Extended	
GL3 MJY0801NA	8mm	1mm	NPN	NO	Flush	
GL3 MJY0801PA	8mm	1mm	PNP	NO	Flush	
GL3 MJY0802NA	8mm	2mm	NPN	NO	Extended	
GL3 MJY0802PA	8mm	2mm	PNP	NO	Extended	
GL3 MJY0801LB	8mm	1mm	DC. 2 WIRE	NC	Flush	
GL3 MJY0802LB	8mm	2mm	DC. 2 WIRE	NC	Extended	
GL3 MJY0801NB	8mm	1mm	NPN	NC	Flush	
GL3 MJY0801PB	8mm	1mm	PNP	NC	Flush	
GL3 MJY0802NB	8mm	2mm	NPN	NC	Extended	
GL3 MJY0802PB	8mm	2mm	PNP	NC	Extended	
GL3 MJY1204LA	12mm	4mm	DC. 2 WIRE	NO	Extended	
GL3 MJY1204LB	12mm	4mm	DC. 2 WIRE	NC	Extended	
GL3 MJY1204NA	12mm	4mm	NPN	NO	Extended	
GL3 MJY1204PA	12mm	4mm	PNP	NO	Extended	
GL3 MJY1204NB	12mm	4mm	NPN	NC	Extended	
GL3 MJY1204PB	12mm	4mm	PNP	NC	Extended	
GL3 MJY1805LA	18mm	5mm	DC. 2 WIRE	NO	Flush	
GL3 MJY1808LA	18mm	8mm	DC. 2 WIRE	NO	Extended	
GL3 MJY1805NA	18mm	5mm	NPN	NO	Flush	
GL3 MJY1805PA	18mm	5mm	PNP	NO	Flush	
GL3 MJY1808NA	18mm	8mm	NPN	NO	Extended	
GL3 MJY1808PA	18mm	8mm	PNP	NO	Extended	
GL3 MJY1805LB	18mm	5mm	DC. 2 WIRE	NC	Flush	
GL3 MJY1808LB	18mm	8mm	DC. 2 WIRE	NC	Extended	
GL3 MJY1805NB	18mm	5mm	NPN	NC	Flush	
GL3 MJY1808NB	18mm	8mm	NPN	NC	Extended	
GL3 MJY1805PB	18mm	5mm	PNP	NC	Flush	
GL3 MJY1808PB	18mm	8mm	PNP	NC	Extended	

**NEW**



EXTENDED HEAD

- SQUARE TYPE
- CYLINDRICAL TYPE

- 25 x 25; 30 x 30 & 40 x 40mm - Square Type
- 18 & 30mm Diameter - Cylindrical Type
- Sensing Distance 5 - 15mm Range
- Operating Voltage: 24 to 250VAC (Square Type)
- Operating Voltage: 10 to 30VDC (Cylindrical Type)

PART NUMBER	SIZE (a x b)	SENSING DISTANCE	CONNECTION	NO/NC	LIST PRICE
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### INDUCTIVE (METAL) MJF - SQUARE TYPE

GL3 MJF2508KA	25 x 25 mm	8 mm	AC. 2 Wire	NO	
GL3 MJF2508KB	25 x 25 mm	8 mm	AC. 2 Wire	NC	
GL3 MJF3012KA	30 x 30 mm	12 mm	AC. 2 Wire	NO	
GL3 MJF3012KB	30 x 30 mm	12 mm	AC. 2 Wire	NC	
GL3 MJF4015KA	40 x 40 mm	15 mm	AC. 2 Wire	NO	
GL3 MJF4015KB	40 x 40 mm	15 mm	AC. 2 Wire	NC	

**OPERATING VOLTAGE: 24 to 250VAC**

**MAXIMUM SWITCHING CAPACITY: 200mA**

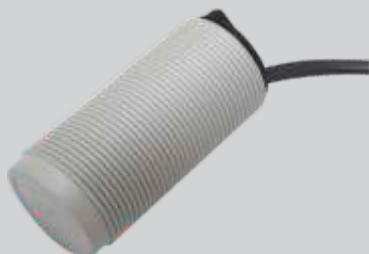
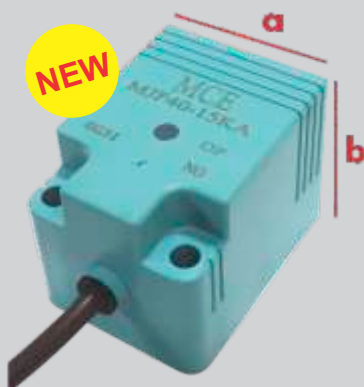
PART NUMBER	DIAMETER (mm)	SENSING DISTANCE	CONNECTION	NO/NC
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### CAPACITIVE MRY CYLINDRICAL TYPE

GL3 MRY1805NA	18mm	5 mm	NPN	NO
GL3 MRY1808NA	18mm	8 mm	NPN	NO
GL3 MRY1805NB	18mm	5 mm	NPN	NC
GL3 MRY1808NB	18mm	8 mm	NPN	NC
GL3 MRY1805PA	18mm	5 mm	PNP	NO
GL3 MRY1808PA	18mm	8 mm	PNP	NO
GL3 MRY1805PB	18mm	5 mm	PNP	NC
GL3 MRY1808PB	18mm	8 mm	PNP	NC
GL3 MRY3010NA	30mm	10 mm	NPN	NO
GL3 MRY3015NA	30mm	15 mm	NPN	NO
GL3 MRY3010NB	30mm	10 mm	NPN	NC
GL3 MRY3015NB	30mm	15 mm	NPN	NC
GL3 MRY3010PA	30mm	10 mm	PNP	NO
GL3 MRY3015PA	30mm	15 mm	PNP	NO
GL3 MRY3010PB	30mm	10 mm	PNP	NC
GL3 MRY3015PB	30mm	15 mm	PNP	NC

**OPERATING VOLTAGE: 10 to 30VDC**

**MAXIMUM SWITCHING CAPACITY: 200mA**



- PRIMARY WOUND
- RING TYPE



- *Hinged Terminal Covers*
- *Can be mounted directly onto panel or DIN Rail mounted*
- *Supplied with DIN Rail Mounting bracket for horizontal or vertical mounting*

PART NUMBER	DESCRIPTION	VA	CLASS	LIST PRICE
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### CURRENT TRANSFORMERS - PRIMARY WOUND

GL3 CTPW055	5/5 A	1.5	3.0	
GL3 CTPW105	10/5 A	1.5	3.0	
GL3 CTPW155	15/5 A	1.5	1.0	
GL3 CTPW205	20/5 A	2.5	1.0	
GL3 CTPW255	25/5 A	2.5	1.0	

### CURRENT TRANSFORMERS - 14mm I.D. RING TYPE

GL3 CT14305	30/5 A	2.5	1.0	
GL3 CT14405	40/5 A	2.5	1.0	

### CURRENT TRANSFORMERS - 30mm I.D. RING TYPE

GL3 CT30505	50/5 A	2.5	1.0	
GL3 CT30605	60/5 A	2.5	1.0	
GL3 CT30755	75/5 A	2.5	1.0	
GL3 CT301005	100/5 A	2.5	1.0	
GL3 CT301255	125/5 A	5	1.0	
GL3 CT301505	150/5 A	5	1.0	

### CURRENT TRANSFORMERS - 40mm I.D. RING TYPE

GL3 CT401505	150/5 A	5	1.0	
GL3 CT402005	200/5 A	5	1.0	
GL3 CT402505	250/5 A	5	1.0	
GL3 CT403005	300/5 A	5	1.0	

### CURRENT TRANSFORMERS - 50mm I.D. RING TYPE

GL3 CT503005	300/5 A	5	1.0	
GL3 CT504005	400/5 A	5	1.0	

### CURRENT TRANSFORMERS - 60mm I.D. RING TYPE

GL3 CT605005	500/5 A	5	1.0	
GL3 CT606005	600/5 A	5	1.0	
GL3 CT607505	750/5 A	5	1.0	
GL3 CT608005	800/5 A	5	1.0	
GL3 CT6010005	1000/5 A	5	1.0	
GL3 CT6012505	1250/5 A	5	1.0	

### CURRENT TRANSFORMERS - 80mm I.D. RING TYPE

GL3 CT807505	750/5 A	15	1.0	
GL3 CT808005	800/5 A	15	1.0	
GL3 CT8010005	1000/5 A	15	1.0	
GL3 CT8012005	1200/5 A	15	1.0	
GL3 CT8020005	2000/5 A	15	1.0	

### CURRENT TRANSFORMERS - 100mm I.D. RING TYPE

GL3 CT10012005	1200/5 A	15	1.0	
GL3 CT10015005	1500/5 A	15	1.0	
GL3 CT10016005	1600/5 A	15	1.0	
GL3 CT10020005	2000/5 A	15	1.0	
GL3 CT10025005	2500/5 A	15	1.0	
GL3 CT10030005	3000/5 A	15	1.0	



## PANEL ACCESSORIES

- ANALOGUE PANEL METERS
- AMMETERS (CT & DIRECT READING)
- AMMETER SWITCHES

- Meters are available in 48mm<sup>2</sup>, 72mm<sup>2</sup> & 96mm<sup>2</sup>
- Coloured bezels are available in red, white, black & blue ●○●●
- Moving Iron or Shunt Connected Moving Coil
- Standard Overscale 100%



PART NUMBER	DESCRIPTION	DIMENSIONS	LIST PRICE
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### AMMETERS - (DIRECT READING) MOVING IRON - STANDARD OVERSCALE 100% - ACCURACY CLASS 1.5%

GL3 A48DR*	5, 10, 15, 20, 30	48 x 48 mm	
GL3 A72DR*	5, 10, 15, 20, 30, 40, 50	72 x 72 mm	
GL3 A96DR*	5, 10, 15, 20, 30, 40, 50	96 x 96 mm	

### AMMETERS - (CT OPERATED 5A) MOVING IRON - STANDARD OVERSCALE 100% - ACCURACY CLASS 1.5%

GL3 A48CT*	CT Operated AC Ammeter	48 x 48 mm	
GL3 A72CT*	CT Operated AC Ammeter	72 x 72 mm	
GL3 A96CT*	CT Operated AC Ammeter	96 x 96 mm	

\* Scales available from 30/5, 40/5, 50/5, 60/5, 75/5, 100/5, 150/5, 200/5, 250/5, 300/5, 400/5 & 500/5

### DC AMMETERS - (SHUNT CONNECTED) MOVING COIL

GL3 A72DC*	DC Ammeter	72 x 72 mm	
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\* Available up to 200A DC

PART NUMBER	DESCRIPTION	kW AC3	CURRENT RATING
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### AMMETER SWITCH 1 POLE - FOR 3CT OPERATION

GL3 AC112211	1P Ammeter Switch	2.7kW	10 Amps
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### AMMETER SWITCH 3 POLE - DIRECT READING

GL3 AC1411	3P Ammeter Switch	2.7kW	10 Amps
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## PANEL ACCESSORIES

- ANALOGUE PANEL METERS
- VOLTMETERS
- MAXIMUM DEMAND METERS
- RUNNING HOUR METERS
- VOLTMETER SWITCHES



- **Meters are available in 48mm<sup>2</sup>, 72mm<sup>2</sup> & 96mm<sup>2</sup>**
- **Coloured bezels are available in Red, White, Black & Blue** ●○●●
- **Moving Iron or Shunt Connected Moving Coil**
- **Standard Overscale 100%**

PART NUMBER	DESCRIPTION	DIMENSIONS	LIST PRICE
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### AC VOLTMETERS - MOVING IRON

GL3 V48AC*	AC Voltmeter	48 x 48 mm	
GL3 V72AC*	AC Voltmeter	72 x 72 mm	
GL3 V96AC*	AC Voltmeter	96 x 96 mm	

\* Available in the following voltages: 300, 400, 500 & 600V AC

### DC VOLTMETERS - MOVING IRON

GL3 V72DC*	DC Voltmeter	72 x 72 mm	
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\* Available from and up to 15, 30, 50, 60, 100, 150 and 200 V DC. Please Specify.

### RUNNING HOUR METERS

GL3 RH48*	Running Hour Meter	48 x 48mm or 72 x 72 mm	
GL3 RHD48*	Running Hour Meter - 12VDC, 24VDC	48 x 48mm or 72 x 72 mm	

### MAXIMUM DEMAND AMMETERS - CT OPERATED - 15 MIN / 5A

GL3 MD72*	2 Needle (No Instantaneous)	72 x 72 mm	
GL3 MD96*	2 Needle (No Instantaneous)	96 x 96 mm	

### MAXIMUM DEMAND AMMETERS + INSTANTANEOUS - CT OPERATED - 15 MIN / 5A

GL3 MDI72*	3 Needle with Instantaneous	72 x 72 mm	
GL3 MDI96*	3 Needle with Instantaneous	96 x 96 mm	

\* Available in: 100/5, 150/5, 200/5, 300/5, 400/5, 500/5, 600/5, 750/5, 800/5, 1000/5, 1200/5, 1500/5, 1600/5, 2000/5, 2500/5 & 3000/5

### FREQUENCY METER - POINTER TYPE - ACCURACY CLASS 1.0%

GL3 FP72*	45 - 55Hz Pointer Type Frequency Meter	72 x 72 mm	
GL3 FP96*	45 - 55Hz Pointer Type Frequency Meter	96 x 96 mm	

\* Available in the following voltages: 110VAC, 230VAC & 380VAC

PART NUMBER	DESCRIPTION	kW AC3	CURRENT RATING
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### VOLTMETER SWITCH 3 PHASE - (OFF - RW - WB - BR)

GL3 VC111611	3P Voltmeter Switch	2.7kW	10 Amps
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### VOLTMETER SWITCH 3 PHASE TO NEUTRAL - (OFF - RN - WN - BN)

GL3 VC111511	3P Voltmeter Switch	2.7kW	10 Amps
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### VOLTMETER SWITCH 7 POSITION 3 PHASE TO PHASE AND PHASE TO NEUTRAL + OFF

GL3 VC111811N	3P Voltmeter Switch	2.7kW	10 Amps
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## ISOLATORS

- SURFACE MOUNTED
- PADLOCKABLE
- WEATHERPROOF
- SS SERIES STANDARD & MINI



- **Enclosed Weatherproof Isolators**
- **Surface mounting**
- **All models are padlockable**
- **RCC Certificate No: (HSP3) 1001022, 1004054 (UKP)**

PART NUMBER	AMPS	POLES	LIST PRICE
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### SS SERIES IP66 WEATHERPROOF SURFACE MOUNTING LOCKABLE ISOLATOR

GL3 IELSS220	20 A	2 Pole	Weatherproof Isolator
GL3 IELSS220M	20 A	2 Pole	Weatherproof Isolator <i>Mini</i>
GL3 IELSS235	35 A	2 Pole	Weatherproof Isolator
GL3 IELSS235M	35 A	2 Pole	Weatherproof Isolator <i>Mini</i>
GL3 IELSS263	63 A	2 Pole	Weatherproof Isolator
GL3 IELSS320	20 A	3 Pole	Weatherproof Isolator
GL3 IELSS320M	20 A	3 Pole	Weatherproof Isolator <i>Mini</i>
GL3 IELSS335	35 A	3 Pole	Weatherproof Isolator
GL3 IELSS335M	35 A	3 Pole	Weatherproof Isolator <i>Mini</i>
GL3 IELSS363	63 A	3 Pole	Weatherproof Isolator
GL3 IELSS420	20 A	4 Pole	Weatherproof Isolator
GL3 IELSS435	35 A	4 Pole	Weatherproof Isolator
GL3 IELSS463	63 A	4 Pole	Weatherproof Isolator

PART NUMBER	AMPS	POLES	kW RATING
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### LOCKABLE ISOLATORS MOUNTED IN ENCLOSURES (IP65)

GL3 IEL216	16 A	2 Pole	Surface Mount	5.5 kW
GL3 IEL220	20 A	2 Pole	Surface Mount	7.5 kW
GL3 IEL225	25 A	2 Pole	Surface Mount	11 kW
GL3 IEL232	32 A	2 Pole	Surface Mount	15 kW
GL3 IEL240	40 A	2 Pole	Surface Mount	18 kW
GL3 IEL263	63 A	2 Pole	Surface Mount	30 kW
GL3 IEL316	16 A	3 Pole	Surface Mount	5.5 kW
GL3 IEL320	20 A	3 Pole	Surface Mount	7.5 kW
GL3 IEL325	25 A	3 Pole	Surface Mount	11 kW
GL3 IEL332	32 A	3 Pole	Surface Mount	15 kW
GL3 IEL340	40 A	3 Pole	Surface Mount	18 kW
GL3 IEL363	63 A	3 Pole	Surface Mount	30 kW
GL3 IEL380	80 A	3 Pole	Surface Mount	37 kW
GL3 IEL3100	100 A	3 Pole	Surface Mount	45 kW
GL3 IEL416	16 A	4 Pole	Surface Mount	5.5 kW
GL3 IEL420	20 A	4 Pole	Surface Mount	7.5 kW
GL3 IEL425	25 A	4 Pole	Surface Mount	11 kW
GL3 IEL432	32 A	4 Pole	Surface Mount	15 kW
GL3 IEL440	40 A	4 Pole	Surface Mount	18 kW
GL3 IEL463	63 A	4 Pole	Surface Mount	30 kW
GL3 IEL480	80 A	4 Pole	Surface Mount	37 kW
GL3 IEL4100	100 A	4 Pole	Surface Mount	45 kW

## ISOLATORS

- BASE MOUNTED
- PANEL MOUNTED (BLOCK TYPE)

- **Padlockable handles**
- **Complete with shaft**
- **DIN rail mount or Bolt-on mount**
- **Red / Yellow handles and Aluminium shaft**

PART NUMBER	AMPS	POLES		kW RATING	LIST PRICE
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### BLOCK TYPE ISOLATORS, BASE MOUNTING + EXTENSION SHAFT + LOCKABLE HANDLES

GL3 IBL316	16 A	3 Pole	Base Mount	5.5 kW
GL3 IBL320	20 A	3 Pole	Base Mount	7.5 kW
GL3 IBL325	25 A	3 Pole	Base Mount	11 kW
GL3 IBL332	32 A	3 Pole	Base Mount	15 kW
GL3 IBL340	40 A	3 Pole	Base Mount	18.5kW
GL3 IBL363	63 A	3 Pole	Base Mount	30 kW
GL3 IBL380	80 A	3 Pole	Base Mount	37 kW
GL3 IBL3100	100 A	3 Pole	Base Mount	45 kW
GL3 IBL416	16 A	4 Pole	Base Mount	5.5 kW
GL3 IBL420	20 A	4 Pole	Base Mount	7.5 kW
GL3 IBL425	25 A	4 Pole	Base Mount	11 kW
GL3 IBL432	32 A	4 Pole	Base Mount	15 kW
GL3 IBL440	40 A	4 Pole	Base Mount	18.5kW
GL3 IBL463	63 A	4 Pole	Base Mount	30 kW
GL3 IBL480	80 A	4 Pole	Base Mount	37 kW
GL3 IBL4100	100 A	4 Pole	Base Mount	45 kW

### BLOCK TYPE ISOLATORS, PANEL MOUNTING + LOCKABLE HANDLES

GL3 IPL216	16 A	2 Pole	Panel Mount	5.5 kW
GL3 IPL220	20 A	2 Pole	Panel Mount	7.5 kW
GL3 IPL225	25 A	2 Pole	Panel Mount	11 kW
GL3 IPL232	32 A	2 Pole	Panel Mount	15 kW
GL3 IPL240	40 A	2 Pole	Panel Mount	18.5kW
GL3 IPL263	63 A	2 Pole	Panel Mount	30 kW
GL3 IPL316	16 A	3 Pole	Panel Mount	5.5 kW
GL3 IPL320	20 A	3 Pole	Panel Mount	7.5 kW
GL3 IPL325	25 A	3 Pole	Panel Mount	11 kW
GL3 IPL332	32 A	3 Pole	Panel Mount	15 kW
GL3 IPL340	40 A	3 Pole	Panel Mount	18.5kW
GL3 IPL363	63 A	3 Pole	Panel Mount	30 kW
GL3 IPL380	80 A	3 Pole	Panel Mount	37 kW
GL3 IPL3100	100 A	3 Pole	Panel Mount	45 kW
GL3 IPL416	16 A	4 Pole	Panel Mount	5.5 kW
GL3 IPL420	20 A	4 Pole	Panel Mount	7.5 kW
GL3 IPL425	25 A	4 Pole	Panel Mount	11 kW
GL3 IPL432	32 A	4 Pole	Panel Mount	15 kW
GL3 IPL440	40 A	4 Pole	Panel Mount	18.5kW
GL3 IPL463	63 A	4 Pole	Panel Mount	30 kW
GL3 IPL480	80 A	4 Pole	Panel Mount	37 kW
GL3 IPL4100	100 A	4 Pole	Panel Mount	45 kW



## ISOLATORS

- ROTARY
- CAM SWITCH TYPE
- TEAR DROP HANDLE

- **Panel Mount Isolator**
- **Various Amperages and Poles**
- **Cam Type Switch**
- **Tear drop handle - *NOT LOCKABLE***



PART NUMBER	DESCRIPTION	kW AC3	CURRENT RATING	LIST PRICE
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### 2 POLE (OFF - ON) ISOLATOR - PANEL MOUNTING

GL3 IP216	2P Panel Mount Isolator	5.5 kW	16 Amps	
GL3 IP220	2P Panel Mount Isolator	7.5 kW	20 Amps	
GL3 IP225	2P Panel Mount Isolator	11 kW	25 Amps	
GL3 IP232	2P Panel Mount Isolator	15 kW	32 Amps	
GL3 IP240	2P Panel Mount Isolator	18.5kW	40 Amps	
GL3 IP250	2P Panel Mount Isolator	22 kW	50 Amps	
GL3 IP263	2P Panel Mount Isolator	30 kW	63 Amps	
GL3 IP280	2P Panel Mount Isolator	37 kW	80 Amps	

### 3 POLE (OFF - ON) ISOLATOR - PANEL MOUNTING

GL3 IP316	3P Panel Mount Isolator	5.5 kW	16 Amps	
GL3 IP320	3P Panel Mount Isolator	7.5 kW	20 Amps	
GL3 IP325	3P Panel Mount Isolator	11 kW	25 Amps	
GL3 IP332	3P Panel Mount Isolator	15 kW	32 Amps	
GL3 IP340	3P Panel Mount Isolator	18.5kW	40 Amps	
GL3 IP350	3P Panel Mount Isolator	22 kW	50 Amps	
GL3 IP363	3P Panel Mount Isolator	30 kW	63 Amps	
GL3 IP380	3P Panel Mount Isolator	37 kW	80 Amps	
GL3 IP3100	3P Panel Mount Isolator	45 kW	100Amps	
GL3 IP3125	3P Panel Mount Isolator	55 kW	125Amps	

### 4 POLE (OFF - ON) ISOLATOR - PANEL MOUNTING

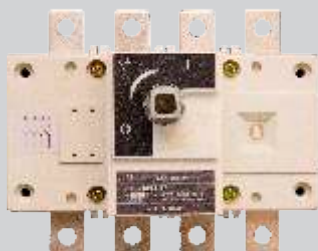
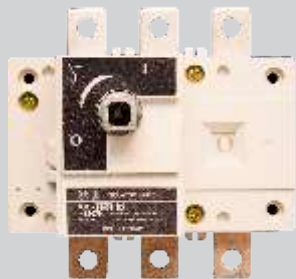
GL3 IP416	4P Panel Mount Isolator	5.5 kW	16 Amps	
GL3 IP420	4P Panel Mount Isolator	7.5 kW	20 Amps	
GL3 IP425	4P Panel Mount Isolator	11 kW	25 Amps	
GL3 IP432	4P Panel Mount Isolator	15 kW	32 Amps	
GL3 IP440	4P Panel Mount Isolator	18.5kW	40 Amps	
GL3 IP450	4P Panel Mount Isolator	22 kW	50 Amps	
GL3 IP463	4P Panel Mount Isolator	30 kW	63 Amps	
GL3 IP480	4P Panel Mount Isolator	37 kW	80 Amps	
GL3 IP4100	4P Panel Mount Isolator	45 kW	100Amps	
GL3 IP4125	4P Panel Mount Isolator	55 kW	125Amps	



## LOAD BREAK ISOLATORS

- BASE MOUNT
- SHAFT
- PADLOCKABLE HANDLE

- **415V**
- **Bolt-on Base Mounting**
- **Complete with Shaft and Padlockable Handle**



PART NUMBER	DESCRIPTION	CURRENT RATING	LIST PRICE
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### 3 POLE LOAD BREAK ISOLATORS - COMPLETE WITH DOOR INTERLOCKED HANDLE 415V

GL3 IBL3125	Base Mount Lockable Isolator	125 Amps	
GL3 IBL3160	Base Mount Lockable Isolator	160 Amps	
GL3 IBL3200	Base Mount Lockable Isolator	200 Amps	
GL3 IBL3250	Base Mount Lockable Isolator	250 Amps	
GL3 IBL3300	Base Mount Lockable Isolator	300 Amps	
GL3 IBL3400	Base Mount Lockable Isolator	400 Amps	
GL3 IBL3500	Base Mount Lockable Isolator	500 Amps	
GL3 IBL3630	Base Mount Lockable Isolator	630 Amps	
GL3 IBL3800	Base Mount Lockable Isolator	800 Amps	
GL3 IBL31000	Base Mount Lockable Isolator	1000 Amps	

### 4 POLE LOAD BREAK ISOLATORS - COMPLETE WITH DOOR INTERLOCKED HANDLE 415V

GL3 IBL4125	Base Mount Lockable Isolator	125 Amps	
GL3 IBL4160	Base Mount Lockable Isolator	160 Amps	
GL3 IBL4200	Base Mount Lockable Isolator	200 Amps	
GL3 IBL4250	Base Mount Lockable Isolator	250 Amps	
GL3 IBL4300	Base Mount Lockable Isolator	300 Amps	
GL3 IBL4400	Base Mount Lockable Isolator	400 Amps	
GL3 IBL4500	Base Mount Lockable Isolator	500 Amps	
GL3 IBL4630	Base Mount Lockable Isolator	630 Amps	
GL3 IBL4800	Base Mount Lockable Isolator	800 Amps	
GL3 IBL41000	Base Mount Lockable Isolator	1000 Amps	

### SPARE HANDLES FOR 3 POLE & 4 POLE ISOLATORS

GL3 IH3125	Spare Handle ONLY for	125 A	3/4 Pole	Isolator
GL3 IH3160	Spare Handle ONLY for	160 A	3/4 Pole	Isolator
GL3 IH3200	Spare Handle ONLY for	200 A	3/4 Pole	Isolator
GL3 IH3400	Spare Handle ONLY for	400 A	3/4 Pole	Isolator
GL3 IH3630	Spare Handle ONLY for	630 A	3/4 Pole	Isolator
GL3 IH31000	Spare Handle ONLY for	1000 A	3/4 Pole	Isolator
GL3 IH4125	Spare Handle + Shaft for	125 A	4 Pole	Isolator
GL3 IH4160	Spare Handle + Shaft for	160 A	4 Pole	Isolator
GL3 IH4200	Spare Handle + Shaft for	200 A	4 Pole	Isolator
GL3 IH4400	Spare Handle + Shaft for	400 A	4 Pole	Isolator
GL3 IH4630	Spare Handle + Shaft for	630 A	4 Pole	Isolator
GL3 IH41000	Spare Handle + Shaft for	1000 A	4 Pole	Isolator

- 3 OR 4 POLE
- 125A - 1000A

- **From 125A - 1000A**
- **Enclosed in mild steel, UV resistant, powder coated enclosure**
- **Available in 3 or 4 Pole variants**



PART NUMBER	DESCRIPTION	ENCLOSURE SIZE	LIST PRICE
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### 3 POLE LOAD BREAK ISOLATORS ENCLOSED IN MILD STEEL ENCLOSURE

GL3 IEL3125	125 A Enclosed Lockable Isolator	400 x 400 x 250	
GL3 IEL3160	160 A Enclosed Lockable Isolator	400 x 400 x 250	
GL3 IEL3200	200 A Enclosed Lockable Isolator	500 x 400 x 250	
GL3 IEL3250	250 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL3300	300 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL3400	400 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL3500	500 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL3630	630 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL3800	800 A Enclosed Lockable Isolator	1200 x 800 x 350	
GL3 IEL31000	1000A Enclosed Lockable Isolator	1200 x 800 x 350	

### 4 POLE LOAD BREAK ISOLATORS ENCLOSED IN MILD STEEL ENCLOSURE

GL3 IEL4125	125 A Enclosed Lockable Isolator	400 x 400 x 250	
GL3 IEL4160	160 A Enclosed Lockable Isolator	400 x 400 x 250	
GL3 IEL4200	200 A Enclosed Lockable Isolator	500 x 400 x 250	
GL3 IEL4250	250 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL4300	300 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL4400	400 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL4500	500 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL4630	630 A Enclosed Lockable Isolator	600 x 500 x 250	
GL3 IEL4800	800 A Enclosed Lockable Isolator	1200 x 800 x 350	
GL3 IEL41000	1000A Enclosed Lockable Isolator	1200 x 800 x 350	

## DC ISOLATORS

- 2 OR 4 POLE
- DIN MOUNT
- PANEL MOUNT
- ENCLOSED

- **Standard: IEC60947-3, Applicable to DC21B**
- **Maximum isolation voltage 1000VDC**
- **Rated impulse withstand voltage 8kV**



PART NUMBER	DESCRIPTION	LIST PRICE
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### DC DOUBLE POLE ISOLATORS - DIN RAIL MOUNT

GL3 IDC2010	10 A 2 Pole	1000 VDC Din Rail Mount Isolator
GL3 IDC2012	12 A 2 Pole	1000 VDC Din Rail Mount Isolator
GL3 IDC2013	13 A 2 Pole	1000 VDC Din Rail Mount Isolator

### DC 4 POLE ISOLATORS - DIN RAIL MOUNT

GL3 IDC4016	16 A 4 Pole	1000 VDC Din Rail Mount Isolator
GL3 IDC4025	25 A 4 Pole	1000 VDC Din Rail Mount Isolator
GL3 IDC4032	32 A 4 Pole	1000 VDC Din Rail Mount Isolator
GL3 IDC4010	10 A 4 Pole	1000 VDC Din Rail Mount Isolator 2 + 2 Pole
GL3 IDC4032	12 A 4 Pole	1000 VDC Din Rail Mount Isolator 2 + 2 Pole
GL3 IDC4032	13 A 4 Pole	1000 VDC Din Rail Mount Isolator 2 + 2 Pole



### DC ISOLATORS - PANEL MOUNT

GL3 IPDC2010	10 A 2 Pole	1000 VDC Panel Mount Isolator
GL3 IPDC2012	12 A 2 Pole	1000 VDC Panel Mount Isolator
GL3 IPDC2013	13 A 2 Pole	1000 VDC Panel Mount Isolator
GL3 IPDC4016	16 A 4 Pole	1000 VDC Panel Mount Isolator
GL3 IPDC4025	25 A 4 Pole	1000 VDC Panel Mount Isolator
GL3 IPDC4032	32 A 4 Pole	1000 VDC Panel Mount Isolator
GL3 IPDC4010	10 A 4 Pole	1000 VDC Panel Mount Isolator 2 + 2 Pole
GL3 IPDC4012	12 A 4 Pole	1000 VDC Panel Mount Isolator 2 + 2 Pole
GL3 IPDC4013	13 A 4 Pole	1000 VDC Panel Mount Isolator 2 + 2 Pole



### DC ISOLATORS - SURFACE MOUNT

GL3 IELDC210	10 A 2 Pole	1000 VDC Surface Mount Isolator
GL3 IELDC212	12 A 2 Pole	1000 VDC Surface Mount Isolator
GL3 IELDC213	13 A 2 Pole	1000 VDC Surface Mount Isolator
GL3 IELDC416	16 A 4 Pole	1000 VDC Surface Mount Isolator
GL3 IELDC425	25 A 4 Pole	1000 VDC Surface Mount Isolator
GL3 IELDC432	32 A 4 Pole	1000 VDC Surface Mount Isolator
GL3 IELDC410	10 A 4 Pole	1000 VDC Surface Mount Isolator 2 + 2 Pole
GL3 IELDC412	12 A 4 Pole	1000 VDC Surface Mount Isolator 2 + 2 Pole
GL3 IELDC413	13 A 4 Pole	1000 VDC Surface Mount Isolator 2 + 2 Pole

			500V	600V	800V	1000V
Standard	2P		16A	16A	16A	10A
Standard	4P		16A	16A	16A	16A
4 Pole (2+2)	2+2P		30A	30A	16A	10A

- ROTARY PANEL MOUNTING
- CAM TYPE
- TEAR DROP HANDLE

- **Panel Mounting**
- **Available in 2, 3 and 4 Pole variants**
- **Suitable for Generator sets**
- **Tear Drop handle - *Not Lockable***



PART NUMBER	DESCRIPTION	kW AC3	CURRENT RATING	LIST PRICE
<b>2 POLE (MAINS - OFF - GEN) CHANGE OVER SWITCH - PANEL MOUNTING</b>				
GL3 COP210	2P Panel Mount Change Over	2.7 kW	10 Amps	
GL3 COP216	2P Panel Mount Change Over	5.5 kW	16 Amps	
GL3 COP220	2P Panel Mount Change Over	7.5 kW	20 Amps	
GL3 COP225	2P Panel Mount Change Over	11 kW	25 Amps	
GL3 COP232	2P Panel Mount Change Over	15 kW	32 Amps	
GL3 COP240	2P Panel Mount Change Over	18.5kW	40 Amps	
GL3 COP250	2P Panel Mount Change Over	22 kW	50 Amps	
GL3 COP263	2P Panel Mount Change Over	30 kW	63 Amps	
GL3 COP280	2P Panel Mount Change Over	37 kW	80 Amps	

### 3 POLE (MAINS - OFF - GEN) CHANGE OVER SWITCH - PANEL MOUNTING

GL3 COP310	3P Panel Mount Change Over	2.7 kW	10 Amps	
GL3 COP316	3P Panel Mount Change Over	5.5 kW	16 Amps	
GL3 COP320	3P Panel Mount Change Over	7.5 kW	20 Amps	
GL3 COP325	3P Panel Mount Change Over	11 kW	25 Amps	
GL3 COP332	3P Panel Mount Change Over	15 kW	32 Amps	
GL3 COP340	3P Panel Mount Change Over	18.5kW	40 Amps	
GL3 COP350	3P Panel Mount Change Over	22 kW	50 Amps	
GL3 COP363	3P Panel Mount Change Over	30 kW	63 Amps	
GL3 COP380	3P Panel Mount Change Over	37 kW	80 Amps	
GL3 COP3100	3P Panel Mount Change Over	45 kW	100Amps	
GL3 COP3125	3P Panel Mount Change Over	55 kW	125Amps	

### 4 POLE (MAINS - OFF - GEN) CHANGE OVER SWITCH - PANEL MOUNTING

GL3 COP410	4P Panel Mount Change Over	2.7 kW	10 Amps	
GL3 COP416	4P Panel Mount Change Over	5.5 kW	16 Amps	
GL3 COP420	4P Panel Mount Change Over	7.5 kW	20 Amps	
GL3 COP425	4P Panel Mount Change Over	11 kW	25 Amps	
GL3 COP432	4P Panel Mount Change Over	15 kW	32 Amps	
GL3 COP440	4P Panel Mount Change Over	18.5kW	40 Amps	
GL3 COP450	4P Panel Mount Change Over	22 kW	50 Amps	
GL3 COP463	4P Panel Mount Change Over	30 kW	63 Amps	
GL3 COP480	4P Panel Mount Change Over	37 kW	80 Amps	
GL3 COP4100	4P Panel Mount Change Over	45 kW	100Amps	
GL3 COP4125	4P Panel Mount Change Over	55 kW	125Amps	



- PVC SURFACE MOUNTED
- ENCLOSED
- IP65

- **Enclosed, Weatherproof Change-Over Switch - IP65**
- **Available in 2, 3 and 4 Pole variants**
- **Indication Lights Fitted on Request - *Optional***
- **Manually operated**



PART NUMBER	DESCRIPTION	kW AC3	CURRENT RATING	LIST PRICE
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### 2 POLE (1 - OFF - 2) CHANGE OVER SWITCH - SURFACE MOUNTING PVC IP65

GL3 COE220	2P Surface Mount Change Over	7.5 kW	20 Amps	
GL3 COE225	2P Surface Mount Change Over	11 kW	25 Amps	
GL3 COE232	2P Surface Mount Change Over	15 kW	32 Amps	
GL3 COE240	2P Surface Mount Change Over	18.5kW	40 Amps	
GL3 COE250	2P Surface Mount Change Over	22 kW	50 Amps	
GL3 COE263	2P Surface Mount Change Over	30 kW	63 Amps	
GL3 COE280	2P Surface Mount Change Over	37 kW	80 Amps	
GL3 COE2100	2P Surface Mount Change Over	45 kW	100Amps	

**ALL PRICES EXCLUDE INDICATION LIGHTS  
PRICE ON REQUEST FOR CHANGE OVER WITH INDICATION LIGHTS**

### 3 POLE (1 - OFF - 2) CHANGE OVER SWITCH - SURFACE MOUNTING PVC IP65

GL3 COE320	3P Surface Mount Change Over	7.5 kW	20 Amps	
GL3 COE325	3P Surface Mount Change Over	11 kW	25 Amps	
GL3 COE332	3P Surface Mount Change Over	15 kW	32 Amps	
GL3 COE340	3P Surface Mount Change Over	18.5kW	40 Amps	
GL3 COE350	3P Surface Mount Change Over	22 kW	50 Amps	
GL3 COE363	3P Surface Mount Change Over	30 kW	63 Amps	
GL3 COE380	3P Surface Mount Change Over	37 kW	80 Amps	
GL3 COE3100	3P Surface Mount Change Over	45 kW	100Amps	

**ALL PRICES EXCLUDE INDICATION LIGHTS  
PRICE ON REQUEST FOR CHANGE OVER WITH INDICATION LIGHTS**

### 4 POLE (1 - OFF - 2) CHANGE OVER SWITCH - SURFACE MOUNTING PVC IP65

GL3 COE420	4P Surface Mount Change Over	7.5 kW	20 Amps	
GL3 COE425	4P Surface Mount Change Over	11 kW	25 Amps	
GL3 COE432	4P Surface Mount Change Over	15 kW	32 Amps	
GL3 COE440	4P Surface Mount Change Over	18.5kW	40 Amps	
GL3 COE450	4P Surface Mount Change Over	22 kW	50 Amps	
GL3 COE463	4P Surface Mount Change Over	30 kW	63 Amps	
GL3 COE480	4P Surface Mount Change Over	37 kW	80 Amps	
GL3 COE4100	4P Surface Mount Change Over	45 kW	100Amps	

**ALL PRICES EXCLUDE INDICATION LIGHTS  
PRICE ON REQUEST FOR CHANGE OVER WITH INDICATION LIGHTS**

## CHANGE-OVER SWITCHES

- DIN MOUNT
- AUTOMATIC
- BASE MOUNT LOAD BREAK
- ACCESSORIES

- **DIN Rail type**
- **Automatic Change-over with starting contact**
- **Base Mount type - 3 & 4 Pole variations**
- **Links & Spare handles**



PART NUMBER	DESCRIPTION	CURRENT RATING	LIST PRICE
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### CHANGE OVER DISCONNECTOR - DIN MOUNT

GL3 COD240	2 Pole Change Over Switch + Links	40 Amps	
GL3 COD340	3 Pole Change Over Switch + Links	40 Amps	

### AUTOMATIC CHANGE OVER SWITCH - DIN MOUNT

#### GL3 COA240 Automatic Change Over Switch

A Micro-processor controlled change over switch that automatically changes over to generator supply in the event of a power failure. A volt free signal is activated to engage the ignition circuit of the generator. On return of the main supply, the ACS will change back and de-activate the generator ignition signal.

Rated current of ACS on the mains side is 40Amp. Adjustable from 20% to 100%. Rated Current of the ACS on the generator side is 30Amp. Adjustable from 20% to 100%. In the case of a overload condition the ACS will disconnect the load for +/- 10 seconds as a warning of overload condition and reconnect the load. The user will then reduce the load by switching off the non-essential equipment. The Automatic overload warning will be repeated (5) five times and will then remain disconnected. Restoration of Supply can be done by pressing the reset button.

### 3 POLE C TYPE CHANGE OVER SWITCHES CENTRE OFF 1-0-2

#### SINGLE BODY, BASE MOUNT + PADLOCKABLE HANDLE - 415VAC

GL3 COBL3125	C Type Change Over Switch + Links	125 Amps
GL3 COBL3160	C Type Change Over Switch + Links	160 Amps
GL3 COBL3200	C Type Change Over Switch + Links	200 Amps
GL3 COBL3250	C Type Change Over Switch + Links	250 Amps
GL3 COBL3300	C Type Change Over Switch + Links	300 Amps
GL3 COBL3400	C Type Change Over Switch + Links	400 Amps
GL3 COBL3500	C Type Change Over Switch + Links	500 Amps
GL3 COBL3630	C Type Change Over Switch + Links	630 Amps

\*Complete with Links & Flash Barriers

### 4 POLE C TYPE CHANGE OVER SWITCHES CENTRE OFF 1-0-2

#### SINGLE BODY, BASE MOUNT + PADLOCKABLE HANDLE - 415VAC

GL3 COBL4125	C Type Change Over Switch + Links	125 Amps
GL3 COBL4160	C Type Change Over Switch + Links	160 Amps
GL3 COBL4200	C Type Change Over Switch + Links	200 Amps
GL3 COBL4250	C Type Change Over Switch + Links	250 Amps
GL3 COBL4300	C Type Change Over Switch + Links	300 Amps
GL3 COBL4400	C Type Change Over Switch + Links	400 Amps
GL3 COBL4500	C Type Change Over Switch + Links	500 Amps
GL3 COBL4630	C Type Change Over Switch + Links	630 Amps

\*Complete with Links & Flash Barriers

### SPARE CHANGE OVER HANDLES + SHAFT

GL3 COH125	Change Over Handle for 125 A	3 / 4 Pole	Switch Unit
GL3 COH160	Change Over Handle for 160 A	3 / 4 Pole	Switch Unit
GL3 COH200	Change Over Handle for 200 A	3 / 4 Pole	Switch Unit
GL3 COH250	Change Over Handle for 250 A	3 / 4 Pole	Switch Unit
GL3 COH300	Change Over Handle for 300 A	3 / 4 Pole	Switch Unit
GL3 COH400	Change Over Handle for 400 A	3 / 4 Pole	Switch Unit
GL3 COH500	Change Over Handle for 500 A	3 / 4 Pole	Switch Unit
GL3 COH630	Change Over Handle for 630 A	3 / 4 Pole	Switch Unit

### 3 POLE CHANGE OVER LINKS

GL3 COL125	Links for 125 A	3 Pole	Switch
GL3 COL160	Links for 160 A	3 Pole	Switch
GL3 COL200	Links for 200 A	3 Pole	Switch
GL3 COL250	Links for 250 A	3 Pole	Switch
GL3 COL300	Links for 300 A	3 Pole	Switch
GL3 COL400	Links for 400 A	3 Pole	Switch
GL3 COL500	Links for 500 A	3 Pole	Switch
GL3 COL630	Links for 630 A	3 Pole	Switch

- STEEL ENCLOSED
- SURFACE MOUNTED

- *Change-over Enclosed in Mild Steel, Powder Coated Enclosure*
- *Padlockable Handle*
- *Available in 3 and 4 Pole Variants*
- *Surface Mounted*



PART NUMBER	DESCRIPTION	ENCLOSURE DIMENSION	LIST PRICE
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### 3 POLE CHANGE OVER SWITCHES - ENCLOSED IN MILD STEEL ENCLOSURE

<b>GL3 COEL3125</b>	125 A 3P Enclosed Change Over Switch	500 x 400 x 250	
<b>GL3 COEL3160</b>	160 A 3P Enclosed Change Over Switch	500 x 400 x 250	
<b>GL3 COEL3200</b>	200 A 3P Enclosed Change Over Switch	600 x 400 x 250	
<b>GL3 COEL3250</b>	250 A 3P Enclosed Change Over Switch	600 x 400 x 250	
<b>GL3 COEL3300</b>	300 A 3P Enclosed Change Over Switch	700 x 500 x 250	
<b>GL3 COEL3400</b>	400 A 3P Enclosed Change Over Switch	800 x 600 x 350	
<b>GL3 COEL3500</b>	500 A 3P Enclosed Change Over Switch	1000 x 800 x 350	
<b>GL3 COEL3630</b>	630 A 3P Enclosed Change Over Switch	1000 x 800 x 350	

**PRICE ON REQUEST FOR CHANGE OVER WITH INDICATION LIGHTS**

### 4 POLE CHANGE OVER SWITCHES - ENCLOSED IN MILD STEEL ENCLOSURE

<b>GL3 COEL4125</b>	125 A 4P Enclosed Change Over Switch	500 x 400 x 250	
<b>GL3 COEL4160</b>	160 A 4P Enclosed Change Over Switch	500 x 400 x 250	
<b>GL3 COEL4200</b>	200 A 4P Enclosed Change Over Switch	600 x 400 x 250	
<b>GL3 COEL4250</b>	250 A 4P Enclosed Change Over Switch	600 x 400 x 250	
<b>GL3 COEL4300</b>	300 A 4P Enclosed Change Over Switch	700 x 500 x 250	
<b>GL3 COEL4400</b>	400 A 4P Enclosed Change Over Switch	800 x 600 x 350	
<b>GL3 COEL4500</b>	500 A 4P Enclosed Change Over Switch	1000 x 800 x 350	
<b>GL3 COEL4630</b>	630 A 4P Enclosed Change Over Switch	1000 x 800 x 350	

**PRICE ON REQUEST FOR CHANGE OVER WITH INDICATION LIGHTS**

## ROTARY SWITCHES

- FORWARD / REVERSE SWITCHES
- 2 SPEED SWITCHES
- STAR DELTA SWITCHES

- Panel mount Rotary Cam type switches
- Various amperages
- Available in all popular configurations
- Tear drop handle - not lockable



PART NUMBER	DESCRIPTION	KW RATING	CURRENT RATING	LIST PRICE
		AC-23A	AC-22A	

### (FOR-OFF-REV) 1 PHASE MOTOR AUXILIARY WINDING

GL3 RSP110	1P Reversing Switch	2.2 kW	10 Amps	
GL3 RSP116	1P Reversing Switch	5.5 kW	16 Amps	
GL3 RSP120	1P Reversing Switch	7.5 kW	20 Amps	
GL3 RSP125	1P Reversing Switch	11 kW	25 Amps	

### (FOR-OFF-REV) 1 PHASE MOTOR WITH CAPACITOR

GL3 RSPC110	1P Reversing Switch	2.2 kW	10 Amps	
GL3 RSPC116	1P Reversing Switch	5.5 kW	16 Amps	
GL3 RSPC120	1P Reversing Switch	7.5 kW	20 Amps	
GL3 RSPC125	1P Reversing Switch	11 kW	25 Amps	

### (FOR-OFF-REV) 3 PHASE MOTOR

GL3 RSP310	3P Reversing Switch	2.2 kW	10 Amps	
GL3 RSP312	3P Reversing Switch	4 kW	12 Amps	
GL3 RSP316	3P Reversing Switch	5.5 kW	16 Amps	
GL3 RSP320	3P Reversing Switch	7.5 kW	20 Amps	
GL3 RSP325	3P Reversing Switch	11 kW	25 Amps	
GL3 RSP332	3P Reversing Switch	15 kW	32 Amps	
GL3 RSP340	3P Reversing Switch	18.5 kW	40 Amps	
GL3 RSP350	3P Reversing Switch	22 kW	50 Amps	
GL3 RSP363	3P Reversing Switch	30 kW	63 Amps	

### 2 SPEED SWITCH 3 POLE (POLE CHANGING)

GL3 SSP310	3P 2 Speed Switch	2.2 kW	10 Amps	
GL3 SSP312	3P 2 Speed Switch	4 kW	12 Amps	
GL3 SSP316	3P 2 Speed Switch	5.5 kW	16 Amps	
GL3 SSP320	3P 2 Speed Switch	7.5 kW	20 Amps	
GL3 SSP325	3P 2 Speed Switch	11 kW	25 Amps	
GL3 SSP332	3P 2 Speed Switch	15 kW	32 Amps	
GL3 SSP340	3P 2 Speed Switch	18.5 kW	40 Amps	
GL3 SSP350	3P 2 Speed Switch	22 kW	50 Amps	
GL3 SSP363	3P 2 Speed Switch	30 kW	63 Amps	

### 2 SPEED FORWARD REVERSE SWITCH 3 POLE (POLE CHANGING)

GL3 FRP310	3P 2 Speed For / Rev	2.2 kW	10 Amps	
GL3 FRP312	3P 2 Speed For / Rev	4 kW	12 Amps	
GL3 FRP316	3P 2 Speed For / Rev	5.5 kW	16 Amps	
GL3 FRP320	3P 2 Speed For / Rev	7.5 kW	20 Amps	
GL3 FRP325	3P 2 Speed For / Rev	11 kW	25 Amps	
GL3 FRP332	3P 2 Speed For / Rev	15 kW	32 Amps	

### STAR DELTA SWITCH 3 POLE

GL3 SDP310	3P Star Delta Switch	2.2 kW	10 Amps	
GL3 SDP312	3P Star Delta Switch	4 kW	12 Amps	
GL3 SDP316	3P Star Delta Switch	5.5 kW	16 Amps	
GL3 SDP320	3P Star Delta Switch	7.5 kW	20 Amps	
GL3 SDP325	3P Star Delta Switch	11 kW	25 Amps	
GL3 SDP332	3P Star Delta Switch	15 kW	32 Amps	
GL3 SDP340	3P Star Delta Switch	18.5 kW	40 Amps	
GL3 SDP350	3P Star Delta Switch	22 kW	50 Amps	
GL3 SDP363	3P Star Delta Switch	30 kW	63 Amps	



## PLASTIC SURFACE ENCLOSURES

- STEPPED GLAND JUNCTION BOXES
- SCREW LID ABS - NO CHASSIS PLATE
- SCREW LID WITH CHASSIS PLATE
- IP56 & 66

- **Plastic - ABS, Polycarbonate & PVC**
- **IP56 & IP66 types**
- **Suitable for use as junction boxes, control boxes, etc**
- **Accessories come complete on IP66 type enclosures**



PART NUMBER	DESCRIPTION	DIMENSIONS	LIST PRICE
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### STEPPED GLAND JUNCTION BOXES - NO TERMINALS

GL4 JBR50	Round stepped gland junction box	∅ 50 x 50 mm	
GL4 JBR80	Round stepped gland junction box	∅ 80 x 80 mm	
GL4 JBS885	Square stepped gland junction box	80 x 80 x 50 mm	
GL4 BJS117	Sqaure stepped gland junction box	100 x 100 x 70 mm	

### PLASTIC ENCLOSURES - GREY LID - IP56 - NO CHASSIS PLATE

GL4 EPBX001	ABS Enclosure Standard Grey Lid	100 x 100 x 70 mm	
GL4 EPBX002	ABS Enclosure Standard Grey Lid	100 x 100 x 90 mm	
GL4 EPBX003	ABS Enclosure Standard Grey Lid	190 x 140 x 90 mm	
GL4 EPBX004	ABS Enclosure Deep Grey Lid	190 x 140 x 135 mm	
GL4 EPBX005	ABS Enclosure Standard Grey Lid	240 x 190 x 100 mm	
GL4 EPBX006	ABS Enclosure Deep Grey Lid	240 x 190 x 155 mm	

### PLASTIC ENCLOSURES - TRANSPARENT LID - IP56 - NO CHASSIS PLATE

GL4 EPBX001T	ABS Enclosure Standard Transparent Lid	100 x 100 x 70 mm	
GL4 EPBX002T	ABS Enclosure Standard Transparent Lid	100 x 100 x 90 mm	
GL4 EPBX003T	ABS Enclosure Standard Transparent Lid	190 x 140 x 90 mm	
GL4 EPBX004T	ABS Enclosure Deep Transparent Lid	190 x 140 x 135 mm	
GL4 EPBX005T	ABS Enclosure Standard Transparent Lid	240 x 190 x 100 mm	

### CHASSIS PLATES FOR ABS ENCLOSURES (BX TYPE)

GL4 EPCP003	Galvanised Chassis Plate	190 x 140mm	
GL4 EPCP005	Galvanised Chassis Plate	240 x 190mm	


### PVC ENCLOSURES - GREY LID - IP66

GL4 EP808060	PVC Enclosure Standard Grey	80 x 80 x 60 mm	
GL4 EP101075	PVC Enclosure Standard Grey	100 x 100 x 75 mm	

### PLASTIC ENCLOSURES - GREY LID - IP66 COMPLETE WITH CHASSIS PLATE

GL4 EP138070	Plastic Enclosure Standard Grey	130 x 80 x 70 mm	
GL4 EP168090	Plastic Enclosure Standard Grey	160 x 80 x 90 mm	
GL4 EP121275	Plastic Enclosure Standard Grey	120 x 120 x 75 mm	
GL4 EP121210	Plastic Enclosure Standard Grey	125 x 125 x 100 mm	
GL4 EP201510	Plastic Enclosure Standard Grey	200 x 150 x 100 mm	
GL4 EP201513	Plastic Enclosure Standard Grey	200 x 150 x 130 mm	
GL4 EP202095	Plastic Enclosure Standard Grey	200 x 200 x 95 mm	
GL4 EP202013	Plastic Enclosure Standard Grey	200 x 200 x 130 mm	

- STANDARD GREY LID ENCLOSURES
- TRANSPARENT LID ENCLOSURES
- IP44 & IP65

- *Made from halogen free ABS*
- *Conforms to CSN EN 60670-1:05*
- *Enclosures for electrical installation for domestic and factory use*
- *Double insulated* 

PART NUMBER	DESCRIPTION	IP RATING	DIMENSIONS	LIST PRICE
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### JUNCTION BOX - GREY LID - IP44

GL4 EPGR8345	Round Junction Box	IP44	Ø 83 x 45 mm	
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### ENCLOSURES - GREY LID - IP65

GL4 EPG101060	Enclosure Grey Lid	IP65	100 x 100 x 60 mm	
GL4 EPG151075	Enclosure Grey Lid	IP65	150 x 110 x 75 mm	
GL4 EPG191475	Enclosure Grey Lid	IP65	190 x 140 x 75 mm	
GL4 EPG171712	Enclosure Grey Lid	IP65	170 x 170 x 120 mm	
GL4 EPG191414	Enclosure Grey Lid	IP65	190 x 140 x 140 mm	
GL4 EPG241912	Enclosure Grey Lid	IP65	240 x 190 x 120 mm	
GL4 EPG312412	Enclosure Grey Lid	IP65	310 x 240 x 120 mm	
GL4 EPG383012	Enclosure Grey Lid	IP65	380 x 300 x 120 mm	
GL4 EPG383018	Enclosure Grey Lid	IP65	380 x 300 x 180 mm	
GL4 EPG463818	Enclosure Grey Lid	IP65	460 x 380 x 180 mm	

### ENCLOSURES - TRANSPARENT LID - IP65

GL4 EPG191475T	Enclosure + Transparent Lid	IP65	190 x 140 x 75 mm	
GL4 EPG171775T	Enclosure + Transparent Lid	IP65	170 x 170 x 75 mm	
GL4 EPG191414T	Enclosure + Transparent Lid	IP65	190 x 140 x 140 mm	
GL4 EPG383012T	Enclosure + Transparent Lid	IP65	380 x 300 x 120 mm	
GL4 EPG383018T	Enclosure + Transparent Lid	IP65	380 x 300 x 180 mm	
GL4 EPG463818T	Enclosure + Transparent Lid	IP65	460 x 380 x 180 mm	

- SCREW LID WITH CHASSIS PLATE
- HINGED LID WITH STANDARD OR PLEXI - GLASS DOORS
- SOLID INNER DOOR KITS

**NEW**



- *Plastic & Polyester*
- *IP65 & IP66 types*
- *Suitable for use as control boxes, etc*
- *Inner Doors for Polyester Enclosures*

PART NUMBER	DESCRIPTION	DIMENSIONS	LIST PRICE
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**PLASTIC ENCLOSURES - GREY LID - IP66 - COMPLETE WITH CHASSIS PLATE**

GL4 EP281913	Plastic Enclosure Standard Grey	280 x 190 x 130 mm	
GL4 EP281918	Plastic Enclosure Standard Grey	280 x 190 x 180 mm	
GL4 EP282813	Plastic Enclosure Standard Grey	280 x 280 x 130 mm	
GL4 EP282818	Plastic Enclosure Standard Grey	280 x 280 x 180 mm	
GL4 EP342813	Plastic Enclosure Standard Grey	340 x 280 x 130 mm	
GL4 EP342818	Plastic Enclosure Standard Grey	340 x 280 x 180 mm	
GL4 EP382813	Plastic Enclosure Standard Grey	380 x 280 x 130 mm	
GL4 EP382818	Plastic Enclosure Standard Grey	380 x 280 x 180 mm	
GL4 EP563818	Plastic Enclosure Standard Grey	560 x 380 x 180 mm	

**POLYESTER SURFACE MOUNTING ENCLOSURE - COMPLETE WITH CHASSIS PLATE**

GL4 EPH403020	Polyester Enclosure Standard Grey	400 x 300 x 200 mm	
GL4 EPH504020	Polyester Enclosure Standard Grey	500 x 400 x 200 mm	
GL4 EPH605023	Polyester Enclosure Standard Grey	600 x 500 x 230 mm	
GL4 EPH806030	Polyester Enclosure Standard Grey	800 x 600 x 300 mm	

**POLYESTER SURFACE MOUNTING ENCLOSURE - IP65 - COMPLETE WITH CHASSIS PLATE & PLEXI GLASS DOOR**

GL4 EPHW403020	Standard Grey & Plexi Glass Door	400 x 300 x 200 mm	
GL4 EPHW504020	Standard Grey & Plexi Glass Door	500 x 400 x 200 mm	
GL4 EPHW605023	Standard Grey & Plexi Glass Door	600 x 500 x 230 mm	
GL4 EPHW806030	Standard Grey & Plexi Glass Door	800 x 600 x 300 mm	

*\*Please see below for Solid Inner Door Kits*

**SOLID INNER DOOR KITS FOR ABOVE ENCLOSURES**

GL4 EPHSID403020	Solid Inner Door Kit	400 x 300 mm	
GL4 EPHSID504020	Solid Inner Door Kit	500 x 400 mm	
GL4 EPHSID605023	Solid Inner Door Kit	600 x 500 mm	
GL4 EPHSID806030	Solid Inner Door Kit	800 x 600 mm	

## TERMINAL JUNCTION BOXES

- SURFACE MOUNTING
- COMPLETE WITH TERMINAL BLOCKS
- IP66 / IP55



- *Impact resistant Engineering plastic*
- *Corrosion resistive metric screws on lid*
- *Flexible configuration of cable entries for ease of use (Metric)*
- *Terminals already fitted inside of Junction Box*
- *Suitable for Indoor & Outdoor Applications*

PART DESCRIPTION  
NUMBER

TERMINAL JUNCTION BOXES - IP66 / IP55 - 230VAC / 400VAC

GL4 JB7025	<p>7 Entry Junction box</p> <p>2,5mm<sup>2</sup> - 20A and 4mm<sup>2</sup> - 25A</p> <p>Conductor Ø 6 -13mm</p>			LIST PRICE R
GL4 JB7040	<p>7 Entry Junction box</p> <p>4mm<sup>2</sup> - 25A and 6mm<sup>2</sup> - 32A</p> <p>Conductor Ø 8 -17mm</p>			LIST PRICE R
GL4 JB6060	<p>6 Entry Junction box</p> <p>6mm<sup>2</sup> - 32A and 10mm<sup>2</sup> - 50A</p> <p>Conductor Ø 8 -23mm</p>			LIST PRICE R
GL4 JB1010	<p>10 Entry Junction box</p> <p>10mm<sup>2</sup> - 50A and 16mm<sup>2</sup> - 65A</p> <p>Conductor Ø 8 -23mm</p>			LIST PRICE R
GL4 JB1025	<p>10 Entry Junction box</p> <p>25mm<sup>2</sup> - 85A and 35mm<sup>2</sup> - 100A</p> <p>Conductor Ø 17 -30mm</p>			LIST PRICE R

NEW

NEW

NEW





- MILD STEEL ENCLOSURES - POWDER COATED
- KEMA APPROVED
- COMPLETE WITH CHASSIS PLATE, PANEL KEY, MOUNTING BRACKET & GLAND PLATE



GL4 ESS302520



GL4 ESS504025



GL4 ESS400



GL4 ESSPD

- Powder coated, UV resistant Mild Steel Enclosures
- 1.6mm Steel thickness
- Available in Orange or Grey
- Spare Chassis Plate & Spare Outer Doors
- Inner Door Kits & Carriers available. See Page 119.

PART NUMBER	DIMENSIONS	COLOURS	LIST PRICE
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#### MILD STEEL SURFACE MOUNTING ENCLOSURES - IP56

GL4 ESS252015	250 x 200 x 150	Orange / Grey
GL4 ESS302515	300 x 250 x 150	Orange / Grey
GL4 ESS302520	300 x 250 x 200	Orange / Grey
GL4 ESS303015	300 x 300 x 150	Orange / Grey
GL4 ESS303020	300 x 300 x 200	Orange / Grey
GL4 ESS403020	400 x 300 x 200	Orange / Grey
GL4 ESS404020	400 x 400 x 200	Orange / Grey
GL4 ESS504025	500 x 400 x 250	Orange / Grey
GL4 ESS604025	600 x 400 x 250	Orange / Grey
GL4 ESS605025	600 x 500 x 250	Orange / Grey
GL4 ESS705025	700 x 500 x 250	Orange / Grey
GL4 ESS806025	800 x 600 x 250	Orange / Grey
GL4 ESS806035	800 x 600 x 350	Orange / Grey
GL4 ESS106025	1000 x 600 x 250	Orange / Grey
GL4 ESS106030	1000 x 600 x 300	Orange / Grey
GL4 ESS108025	1000 x 800 x 250	Orange / Grey
GL4 ESS108030	1000 x 800 x 300	Orange / Grey
GL4 ESS108035	1000 x 800 x 350	Orange / Grey
GL4 ESS128035	1200 x 800 x 350	Orange / Grey

\*COMPLETE WITH CHASSIS AND WALL BRACKETS

#### MILD STEEL SURFACE MOUNTING ISOLATOR ENCLOSURE - IP65

GL4 ESS100	300 x 250 x 150	Orange / Grey
GL4 ESS200	400 x 250 x 150	Orange / Grey
GL4 ESS400	600 x 400 x 200	Orange / Grey
GL4 ESS630	700 x 500 x 200	Orange / Grey

\*COMPLETE WITH CHASSIS AND WALL BRACKETS

#### SPARE CHASSIS PLATE - GALVANISED STEEL

GL4 ESSC3025	Spare Chassis Plate	300 x 250	Fitment
GL4 ESSC3030	Spare Chassis Plate	300 x 300	Fitment
GL4 ESSC4030	Spare Chassis Plate	400 x 300	Fitment
GL4 ESSC4040	Spare Chassis Plate	400 x 400	Fitment
GL4 ESSC5040	Spare Chassis Plate	500 x 400	Fitment
GL4 ESSC6040	Spare Chassis Plate	600 x 400	Fitment
GL4 ESSC6050	Spare Chassis Plate	600 x 500	Fitment
GL4 ESSC7050	Spare Chassis Plate	700 x 500	Fitment
GL4 ESSC8060	Spare Chassis Plate	800 x 600	Fitment
GL4 ESSC1060	Spare Chassis Plate	1000 x 600	Fitment
GL4 ESSC1080	Spare Chassis Plate	1000 x 800	Fitment
GL4 ESSC1280	Spare Chassis Plate	1200 x 800	Fitment

#### SPARE OUTER DOOR - ORANGE

GL4 ESSOD3025	Spare Outer Door	300 x 250	Fitment
GL4 ESSOD3030	Spare Outer Door	300 x 300	Fitment
GL4 ESSOD4030	Spare Outer Door	400 x 300	Fitment
GL4 ESSOD4040	Spare Outer Door	400 x 400	Fitment
GL4 ESSOD5040	Spare Outer Door	500 x 400	Fitment
GL4 ESSOD6040	Spare Outer Door	600 x 400	Fitment
GL4 ESSOD6050	Spare Outer Door	600 x 500	Fitment
GL4 ESSOD7050	Spare Outer Door	700 x 500	Fitment
GL4 ESSOD8060	Spare Outer Door	800 x 600	Fitment
GL4 ESSOD1060	Spare Outer Door	1000 x 600	Fitment
GL4 ESSOD1080	Spare Outer Door	1000 x 800	Fitment
GL4 ESSOD1280	Spare Outer Door	1200 x 800	Fitment

#### KEYS & LOCKS

GL4 ESSPD	Padlockable device for door + key
GL4 ESSPK	Spare Panel Key for Enclosure
GL4 ESSPL	Spare Panel Lock for Enclosure

## SURFACE MOUNT ENCLOSURE OPTIONS

- ENCLOSURE CONVERSION KITS TO DB BOARDS
- DIN RAIL FORMAT
- UV POWDER COATED
- SURFACE SIDE MOUNT ISOLATOR BOARDS



- Powder coated, UV resistant Mild Steel Kits
- 1.6mm Wall thickness
- Available in Orange - DIN Rail
- Inner door kits only - Enclosures to be ordered separately.
- KEMA Approved

PART NUMBER	DESCRIPTION	DIMENSIONS	COLOURS	LIST PRICE
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### INNER DOORS & INNER CARRIERS - IP65 - FOR PREMIER RANGE ONLY

GL4 ESSIC103	Inner Carrier 8 Way	300 x 250	Orange	
GL4 ESSID103	Internal Door	300 x 250	Orange	
GL4 ESSIC105	Inner Carrier 8 Way	300 x 300	Orange	
GL4 ESSID105	Internal Door	300 x 300	Orange	
GL4 ESSIC107	Inner Carrier 20 Way (2 x 10)	400 x 300	Orange	
GL4 ESSID107	Internal Door	400 x 300	Orange	
GL4 ESSIC108	Inner Carrier 20 Way (2 x 10)	400 x 400	Orange	
GL4 ESSID108	Internal Door	400 x 400	Orange	
GL4 ESSIC111	Inner Carrier 48 Way (3 x 16)	500 x 400	Orange	
GL4 ESSID111	Internal Door	500 x 400	Orange	
GL4 ESSIC114	Inner Carrier 48 Way (3 x 16)	600 x 400	Orange	
GL4 ESSID114	Internal Door	600 x 400	Orange	
GL4 ESSIC117	Inner Carrier 48 Way (3 x 16)	600 x 500	Orange	
GL4 ESSID117	Internal Door	600 x 500	Orange	
GL4 ESSIC119	Inner Carrier 84 Way (4 x 21)	700 x 500	Orange	
GL4 ESSID119	Internal Door	700 x 500	Orange	
GL4 ESSIC122	Inner Carrier 130 Way (5 x 26)	800 x 600	Orange	
GL4 ESSID122	Internal Door	800 x 600	Orange	
GL4 ESSIC124	Inner Carrier 156 Way (6 x 26)	1000 x 600 x 250	Orange	
GL4 ESSID124	Internal Door	1000 x 600 x 250	Orange	
GL4 ESSIC126	Inner Carrier 228 Way (6 x 38)	1000 x 800 x 250	Orange	
GL4 ESSID126	Internal Door	1000 x 800 x 250	Orange	
GL4 ESSIC129	Inner Carrier 304 Way (8 x 38)	1000 x 800 x 300	Orange	
GL4 ESSID129	Internal Door	1000 x 800 x 300	Orange	

\*FITS ONESTO PREMIER RANGE ONLY

\*NOTE: EARTH & NEUTRAL BARS NOT SUPPLIED

### SURFACE MOUNT SIDE ISOLATOR BOARD - DOUBLE DOOR - ONESTO PREMIER TYPE - IP65

GL8 DBSSI20048	48 Way Surface + Isolator	(4 x 12 W)	1015 x 670 x 205
GL8 DBSSI40072	72 Way Surface + Isolator	(4 x 18 W)	1015 x 880 x 205
GL8 DBSSI63096	96 Way Surface + Isolator	(4 x 24 W)	1020 x 1100 x 205

- GRADE 304 STAINLESS STEEL
- COMPLETE WITH CHASSIS PLATE & STEEL PANEL KEY

**NEW**



All enclosures come with protective wrapping to prevent scratches.



**NEW**

**NEW**



- **Steel Thickness 1.6mm**
- **Complete with accessories & protective wrapping to prevent scratches**
- **KEMA Approved**
- **Stainless Steel Grade 304**

PART NUMBER	DIMENSIONS H x W x D	LIST PRICE
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### IP56 STAINLESS STEEL SURFACE MOUNTING ENCLOSURES

GL4 ESSS101 250 x 200 x 150 mm

GL4 ESSS102 300 x 250 x 150 mm

GL4 ESSS103 300 x 250 x 200 mm

GL4 ESSS104 300 x 200 x 150 mm

GL4 ESSS105 300 x 300 x 200 mm

GL4 ESSS107 400 x 300 x 200 mm

GL4 ESSS108 400 x 400 x 200 mm

GL4 ESSS111 500 x 400 x 250 mm

GL4 ESSS114 600 x 400 x 250 mm

GL4 ESSS117 600 x 500 x 250 mm

GL4 ESSS119 700 x 500 x 250 mm

GL4 ESSS122 800 x 600 x 250 mm

GL4 ESSS123 800 x 600 x 350 mm

GL4 ESSS124 1000 x 600 x 250 mm

GL4 ESSS125 1000 x 600 x 300 mm

GL4 ESSS126 1000 x 800 x 250 mm

GL4 ESSS127 1000 x 800 x 300 mm

GL4 ESSS128 1000 x 800 x 350 mm

GL4 ESSS129 1200 x 800 x 350 mm

COMPLETE WITH CHASSIS PLATE & PANEL KEY

## MILD STEEL ENCLOSURES - ECONOMY

- IP 66
- POWDER COATED
- COMPLETE WITH CHASSIS PLATE & PANEL KEY
- AVAILABLE WITH STANDARD DOORS, PLEXI-GLASS DOORS, INNER DOORS & CANOPY ACCESSORIES
- COMPLETE WITH GLAND PLATE

- Powder coated, UV resistant Mild Steel
- Available in Orange / Grey
- Surface Mount
- IP66

PART NUMBER	DESCRIPTION	COLOURS	DIMENSIONS	LIST PRICE
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### MILD STEEL SURFACE MOUNTING ENCLOSURES - ECONOMY

GL4 ESSE252015O	Steel Enclosure	Orange	250 x 200 x 150	
GL4 ESSE252015G	Steel Enclosure	Grey	250 x 200 x 150	
GL4 ESSE302515O	Steel Enclosure	Orange	300 x 250 x 150	
GL4 ESSE302515G	Steel Enclosure	Grey	300 x 250 x 150	

### MILD STEEL SURFACE MOUNTING ENCLOSURES - ECONOMY

GL4 ESSE107O	Steel Enclosure	Orange	400 x 300 x 200	
GL4 ESSE107G	Steel Enclosure	Grey	400 x 300 x 200	

### MILD STEEL SURFACE MOUNTING ENCLOSURES - ECONOMY

GL4 ESSE504025O	Steel Enclosure	Orange	500 x 400 x 250	
GL4 ESSE504025G	Steel Enclosure	Grey	500 x 400 x 250	
GL4 ESSE604025O	Steel Enclosure	Orange	600 x 400 x 250	
GL4 ESSE604025G	Steel Enclosure	Grey	600 x 400 x 250	
GL4 ESSE605025O	Steel Enclosure	Orange	600 x 500 x 250	
GL4 ESSE605025G	Steel Enclosure	Grey	600 x 500 x 250	
GL4 ESSE705025O	Steel Enclosure	Orange	700 x 500 x 250	
GL4 ESSE705025G	Steel Enclosure	Grey	700 x 500 x 250	
GL4 ESSE806025O	Steel Enclosure	Orange	800 x 600 x 250	
GL4 ESSE806025G	Steel Enclosure	Grey	800 x 600 x 250	

### MILD STEEL SURFACE MOUNTING ENCLOSURES - ECONOMY

GL4 ESSE108030O	Steel Enclosure	Orange	1000 x 800 x 300	
GL4 ESSE108030G	Steel Enclosure	Grey	1000 x 800 x 300	
GL4 ESSE128030O	Steel Enclosure	Orange	1200 x 800 x 300	
GL4 ESSE128030G	Steel Enclosure	Grey	1200 x 800 x 300	

### MILD STEEL SURFACE MOUNTING ENCLOSURES - ECONOMY

GL4 ESSE128040O	Steel Enclosure	Orange	1200 x 800 x 400	
GL4 ESSE128040G	Steel Enclosure	Grey	1200 x 800 x 400	



## MILD STEEL ENCLOSURES - ECONOMY

- IP 66
- FLOOR STANDING & WALL MOUNT
- COMPLETE WITH CHASSIS PLATE & PANEL KEY
- AVAILABLE WITH STANDARD DOORS, PLEXI-GLASS DOORS, INNER DOORS & CANOPY ACCESSORIES
- COMPLETE WITH GLAND PLATE

- Powder coated, UV resistant Mild Steel
- Available in Orange / Grey
- Surface Mount
- IP66

PART NUMBER	DESCRIPTION	COLOURS	DIMENSIONS	LIST PRICE
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### MILD STEEL FLOOR STANDING STEEL ENCLOSURE - ECONOMY

GL4 ESSEFS18640	Floor Stand Enclosure	Orange	1800 x 600 x 400	
GL4 ESSEFS18840	Floor Stand Enclosure	Orange	1800 x 800 x 400	
GL4 ESSEFS20640	Floor Stand Enclosure	Orange	2000 x 600 x 400	
GL4 ESSEFS20840	Floor Stand Enclosure	Orange	2000 x 800 x 400	
GL4 ESSEFS22860	Floor Stand Enclosure	Orange	2200 x 800 x 600	

### MILD STEEL DOUBLE DOOR STEEL ENCLOSURE - ECONOMY

GL4 ESSED68250	Double Door Enclosure	Orange	600 x 800 x 250	
GL4 ESSED61030	Double Door Enclosure	Orange	600 x 1000 x 300	
GL4 ESSED61230	Double Door Enclosure	Orange	600 x 1200 x 300	
GL4 ESSED81230	Double Door Enclosure	Orange	800 x 1200 x 300	
GL4 ESSED121030	Double Door Enclosure	Orange	1200 x 1000 x 300	

### MILD STEEL DOUBLE DOOR ENCLOSURE CANOPY - ECONOMY

GL4 EACD68250	Canopy for Double Door Enclosure for	GL4 ESSED68250
GL4 EACD61030	Canopy for Double Door Enclosure for	GL4 ESSED61030/121030
GL4 EACD61230	Canopy for Double Door Enclosure for	GL4 ESSED61230/81230

### MILD STEEL ENCLOSURES WITH PLEXI GLASS DOOR - ECONOMY - ORANGE

GL4 ESSEP302015	Enclosure with Plexi Glass Door - Orange	300 x 200 x 150
GL4 ESSEP403020	Enclosure with Plexi Glass Door - Orange	400 x 300 x 200
GL4 ESSEP504025	Enclosure with Plexi Glass Door - Orange	500 x 400 x 250
GL4 ESSEP604025	Enclosure with Plexi Glass Door - Orange	600 x 400 x 250
GL4 ESSEP705025	Enclosure with Plexi Glass Door - Orange	700 x 500 x 250
GL4 ESSEP806025	Enclosure with Plexi Glass Door - Orange	800 x 600 x 250
GL4 ESSEP108030	Enclosure with Plexi Glass Door - Orange	1000 x 800 x 300
GL4 ESSEP128030	Enclosure with Plexi Glass Door - Orange	1200 x 800 x 300

### STEEL ENCLOSURES WITH PLEXI GLASS DOOR & SOLID INNER DOOR - ECONOMY - ORANGE

GL4 ESSEPI403020	With Plexi Glass Door & Solid Inner Door	400 x 300 x 200
GL4 ESSEPI504025	With Plexi Glass Door & Solid Inner Door	500 x 400 x 250
GL4 ESSEPI604025	With Plexi Glass Door & Solid Inner Door	600 x 400 x 250
GL4 ESSEPI705025	With Plexi Glass Door & Solid Inner Door	700 x 500 x 250
GL4 ESSEPI806025	With Plexi Glass Door & Solid Inner Door	800 x 600 x 250
GL4 ESSEPI108030	With Plexi Glass Door & Solid Inner Door	1000 x 800 x 300
GL4 ESSEPI128030	With Plexi Glass Door & Solid Inner Door	1200 x 800 x 300

### MILED STEEL ENCLOSURE CANOPY - ECONOMY - ORANGE

GL4 ESSC2015	Canopy for Enclosure	GL4 ESSE302115
GL4 ESSC3020	Canopy for Enclosure	GL4 ESSE403020 / PI403020
GL4 ESSC4025	Canopy for Enclosure	GL4 ESSE504025/PI504025/P604025/PI604025
GL4 ESSC5025	Canopy for Enclosure	GL4 ESSE705025 / PI705025
GL4 ESSC6025	Canopy for Enclosure	GL4 ESSE806025 / PI806025
GL4 ESSC8030	Canopy for Enclosure	GL4 ESSE108030/PI108030/P128030/PI128030

- **IP65 Aluminium Enclosures**
- **IP65 Aluminium Control Stations**

PART NUMBER	DIMENSIONS & DESCRIPTION	LIST PRICE
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### IP65 ALUMINIUM ENCLOSURES

GL4 EAS01	87 x 87 x 61 mm	Enclosure Surface
GL4 EAS02	102 x 102 x 61 mm	Enclosure Surface
GL4 EAS03	102 x 102 x 81 mm	Enclosure Surface
GL4 EAS04	122 x 75 x 75 mm	Enclosure Surface
GL4 EAS05	152 x 102 x 81 mm	Enclosure Surface
GL4 EAS06	202 x 102 x 81 mm	Enclosure Surface
GL4 EAS07	202 x 102 x 114 mm	Enclosure Surface
GL4 EAS08	245 x 210 x 102 mm	Enclosure Surface
GL4 EAS09	295 x 255 x 130 mm	Enclosure Surface

### IP65 ALUMINIUM CONTROL STATIONS

GL3 CSA1E	87 x 87 x 61 mm	1 Hole Empty Station
GL3 CSA2E	122 x 75 x 75 mm	2 Hole Empty Station
GL3 CSA3E	122 x 75 x 75 mm	3 Hole Empty Station
GL3 CSA4E	252 x 87 x 75 mm	4 Hole Empty Station
GL3 CSA5E	252 x 87 x 75 mm	5 Hole Empty Station

ALL COMPLETE WITH EARTH STUD

### TYPICAL EXAMPLE OF MCE ONESTO INSTALLED PRODUCTS



- ENLEC RANGE
- SOCKET OUTLET BOXES
- SURFACE EXTENSION BOXES

## ENLEC

Modern Polycarbonate general purpose electronic enclosures



### ACCESSORIES

Part Number	Description
ENL-H	ENL- Hinges
ENL-M	ENL- Mounting Feet
ENL-4	ENL-4SET 4 Screw Combo
ENL-6	ENL-6SET 6 Screw Combo

Dimensions			Part Number		Pack Size	Device Plate
H	W	D	Clear Lid IP 65	Grey Lid IP 65		Sold Separately
80	80	55	ENL080806C	ENL080806P	20	ENL0808DP
120	80	55	ENL120806C	ENL120806P	20	ENL1208DP
120	80	90	ENL120809C	ENL120809P	20	ENL1208DP
120	120	55	ENL121206C	ENL121206P	10	ENL1212DP
120	120	90	ENL121209C	ENL121209P	8	ENL1212DP
160	80	55	ENL160806C	ENL160806P	12	ENL1608DP
160	80	90	ENL160809C	ENL160809P	15	ENL1608DP
160	120	90	ENL161209C	ENL161209P	8	ENL1612DP
160	160	90	ENL161609C	ENL161609P	10	ENL1616DP
200	120	90	ENL201209C	ENL201209P	10	ENL2012DP
200	150	90	ENL201509C	ENL201509P	10	ENL2015DP
240	120	100	ENL241210C	ENL241210P	4	ENL2412DP
240	160	100	ENL241610C	ENL241610P	5	ENL2416DP
240	160	130	ENL241613C	ENL241613P	5	ENL2416DP
300	230	100	ENL302310C	ENL302310P	2	ENL3023DP
300	230	130	ENL302313C	ENL302313P	2	ENL3023DP
360	200	150	ENL362015C	ENL362015P	2	ENL3620DP

## GENERAL CONTRACTING ENCLOSURES

Enclosures generally used in residential and commercial buildings.



### SOCKET OUTLET BOXES

Dimensions			Code	Descriptions	QTY
H	W	D			
85	130	70	040-609	PSO-1 (S15)	24
130	173	88	040-610	PSO-2 (F010)	12
85	130	70	040-662	PSO-1/A with single socket outlet	24
130	173	88	040-663	PSO-2/A with double socket outlet	12
130	173	88	040-754	S15- Duo Double socket outlet	12
130	173	88	040-770	S15/A- Duo with Double socket outlet	12



### SURFACE EXTENSION BOXES

Dimensions			Code	Descriptions	QTY
H	W	D			
118	70	36	040-723	A-42 Single surface mount socket outlet box	20
118	118	36	040-724	A-44 Single surface mount socket outlet box	20

**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**

## ALLBRO SELECTION CHART

- FITTED POOL BOXES
- EMPTY POOL BOXES
- SURFACE DISTRIBUTION BOXES
- WEATHERPROOF DB BOXES - HINGED LIDS



### FITTED POOL BOXES

Dimensions			Code	Descriptions	QTY	
H	W	D				
315	185	120	040-659	WP-1 with 125VA & Dial Timer	4	Pool-Fit
315	185	120	040-660	WP-1 with 125VA & Panasonic Timer	4	Pool-Fit
315	185	120	040-683	WP-1 with 300VA & Dial Timer	4	Pool-Fit
315	185	120	040-684	WP-1 with 300VA & Panasonic Timer	4	Pool-Fit



### EMPTY POOL BOXES

Dimensions			Code	Descriptions	QTY	
H	W	D				
315	185	120	040-617	WP-1Din E+N Bar	4	Pool -Din
315	185	120	040-667	WP-1Sam E+N Bar	4	Pool - Sam
315	185	120	040-668	WP-1 Din+Wood Block	4	Pool- 5way Din
315	185	120	040-669	WP-1 Sam+Wood Block	4	Pool- 6way Sam
315	185	120	040-689	WP-1 Din + Raised wooden block	4	Pool-Din wood



### SURFACE DISTRIBUTION BOXES

Dimensions			Code	Descriptions	IP	QTY
H	W	D				
170	106	78	040-744	YB4 Din	31	20
200	110	60	040-758	YB5 Sam	31	4
240	190	70	040-759	YB6/11 Sam	31	10
365	255	73	040-363	MP-16 with E/N Bar Sam or Din	31	5
365	255	73	040-704	MP-16 Srew on Lid	31	5



### WEATHER PROOF DISTRIBUTION BOXES-HINGED LIDS

Dimensions			Code	Descriptions	IP	QTY
H	W	D				
200	110	60	040-760	WDB5- B 5 Way Sam Surface	65	4
350	250	160	040-745	WDB8- B 8 Way Din Surface	65	2
350	250	160	040-746	WDB12-B 12 Way Sam Surface		2
400	300	140	040-747	WDB20-B 20 Way Din Surface	65	2
400	300	140	040-743	WDB24-B 24 Way Sam Surface		2
220	250	100	040-711	DBH-1 Outdoor DB without Circuit Breakers	65	1

**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**



## ALLBRO SELECTION CHART

- WEATHERPROOF DB BOXES - SLIDE LIDS
- FLUSH MOUNT FOLD UP DB'S WITH METAL TRAY
- AP HINGED LOCKABLE RANGE
- OTHER ITEMS



### WEATHER PROOF DISTRIBUTION BOXES-SLIDE LIDS

Dimensions			Code	Descriptions	IP
H	W	D			
215	150	80	040-690	F081-SAM	8
215	150	80	040-621	F081-DIN	54



### FLUSH MOUNT FOLD UP DISTRIBUTION BOARDS WITH METAL TRAY

Dimensions			Code	Descriptions	IP	QTY
H	W	D				
275	275	70	1062 P/C	12 Way Db with plain door & chassis	40	1
275	275	70	1062 S/C	12 Way Db with smokey door & chassis	40	1
275	275	70	1062 /T	12 Way fold up metal tray	40	1
370	275	70	1063 S/C	16 Way Db with smokey door & chassis	40	1
370	275	70	1063 /T	16 Way fold up metal tray	40	1
370	275	70	1064 P/C	24 Way Db with plain door & chassis	40	1
370	275	70	1064 S/C	24 Way Db with smokey door & chassis	40	1
370	275	70	1064 /T	24 Way fold up metal tray	40	1



### AP RANGE

Dimensions			Code	Descriptions	QTY
H	W	D			
600	450	165	040-631	AP2-A (DB-1 Shallow )	1
600	450	260	040-632	AP3-A (DB-1 Deep )	1
600	450	75	040-675	AP3-S (DB-1T Box - Thin )	1

## OTHER ITEMS



BOM	Code & Descriptions	QTY
L-S	Stainless Steel Lockable Latch	1
HIN-E	Stainless Steel Hinges	1
LUM	Luminair c/w 5M Cord + Plug Top	20
M/KEY	Multipurpose Key (8mm)	1
BUL-100W	100watt Bulkhead Ventilated	20
BUL-60W	60watt Bulkhead Ventilated	-
GLA-1	Nº 0/1 Nylon Gland (UV)	100

**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**

## ALLBRO SELECTION CHART

- OKARI MODULAR INDUSTRIAL ENCLOSURES
- UTILEC MODERN GENERAL PURPOSE ENCLOSURES

### OKARI

Modular Industrial Enclosures

Dimensions			Grey Base		Orange Base		QTY per box	Device Plate	
H	W	D	Grey Lid IP 66	Clear Lid IP 66	Orange Lid IP 66	Clear Lid IP 66		DMC version	Powder Coated Mild Steel
260	165	160	OK1-G	OK1-GC	OK1-O	OK1-OC	4	OKM-1	OKM-1M
260	260	160	OK2-G	OK2-GC	OK2-O	OK2-OC	2	OKM-2	OKM-2M
340	260	160	OK3-G	OK3-GC	OK3-O	OK3-OC	2	OKM-3	OKM-3M
530	340	160	OK4-G	OK4-GC	OK4-O	OK4-OC	1	OKM-4	OKM-4M



Part Number	Description
OKPH-G	Hinge Set -Grey
OKPH-O	Hinge Set -Orange
OKM-MS	Mounting Brackets
OK-BP	Blind Plug
OK-G/SCREWS	Cover Sealing Screws
OKARI-HAND	Handle

### UTILEC Modern General Purpose enclosures for Industrial or Domestic applications



Dimensions			Product Name	Part Number		QTY per box	Device Plate	
H	W	D		Screw Lid Ip66	Slide Lid Ip54		Sold Separately	
80	80	60	UT1	040-751	040-752	10	DEV-UT1	
110	110	90	UT2	040-655	040-714	9	DEV-UT2	
160	110	90	UT3	040-670	040-715	8	DEV-UT3	
210	160	90	UT4	040-656	040-716	8	DEV-UT4	
211	160	180	UT4-D	040-753	040-761	6	DEV-UT4	
210	210	125	UT5	040-657	040-717	6	DEV-UT5	
260	210	125	UT6	040-658	040-718	4	DEV-UT6	
310	210	125	UT7	040-671	040-719	4	DEV-UT7	
310	260	165	UT8	040-672	040-720	2	DEV-UT8	
310	310	165	UT9	040-672	040-721	2	DEV-UT9	
410	410	165	UT10	040-674	040-722	2	DEV-UT10	

Descriptions	Part Number
UT Mounting Feet	UT-MF
UT4 Shroud Kit	UT4-DIN
UT4 Shroud 6 Way Samite	UT4-SAM
UT6 Shroud 8 Way Din	UT6-DIN
UT6 Shroud 11 Way Samite	UT6-SAM
UT10 Shroud 24 Way Din	UT10-DIN
UT10 Shroud 32 Way Samite	UT10-SAM

**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**

- RL RANGE - GENERAL PURPOSE ENCLOSURES
- METERING & DISTRIBUTION ENCLOSURES

# RL -RANGE

General Purpose enclosures



## ACCESSORIES

Description	Name	Part No
Device Plate RL2	DEV-D	020-081
Device Plate RL1	DEV-C	020-082
Device Plate RL3A	DEV-G	020-083
Device Plate RL3A	DEV-H	020-084
Device Plate RL4	DEV-O	020-085
Device Plate RL5	DEV-Q	020-086

Dimensions			Plain		Hinged		Hinged with Window		Qty
H	W	D	Name	Part No	Name	Part No	Name	Part No	
150	150	100	RL-1P	040-727	RL-1HP	040-725	RL-1HW	040-726	20
200	145	100	RL-2P	040-730	RL-2HP	040-728	RL-2HW	040-729	4
200	145	165	RL-2CP	040-766	RL-2CHP	040-764	RL-2CHW	040-765	4
260	220	230	RL-3P	040-769	RL-3HP	040-767	RL-3HW	040-768	3
350	250	160	RL-4P	040-733	RL-4HP	040-731	RL-4HW	040-732	2
350	250	200			RL-4DHP	040-734	RL-4DHW	040-735	4
390	300	200	RL-5P	040-738	RL-5HP	040-736	RL-5HW	040-737	3
390	300	141	RL-5BP	040-741	RL-5BHP	040-739	RL-5BHW	040-740	3
480	315	200			RL-6D-P	040-640			1

# METERING AND DISTRIBUTION ENCLOSURES FOR UTILITIES

## READY BOARDS

There are endless variations on ready boards as the specifications of different utility companies varies greatly. The variations below are more common and some are available from stock. Please consult with our technical department for any variations you may require.

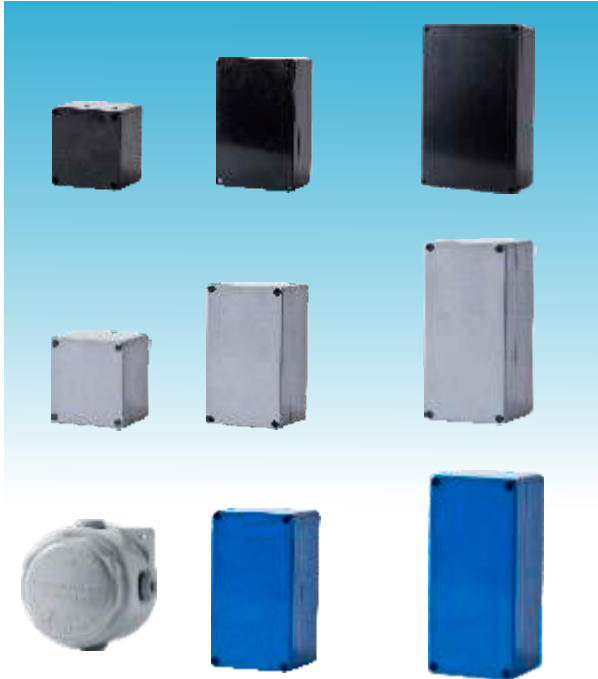


**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**

- TERMINAL BOXES
- METER BOXES
- POLE MOUNTED ENCLOSURES

## TERMINAL BOXES

High impact enclosures for quality termination in tough environments



Dimensions			Part Number			Qty per box
H	W	D	Black (Eex)	Grey	IP Level	
80	80	60	0808KE/I	0808POK/I	68	10
80	110	60	0811KE/I	0811POK/I	68	10
80	160	60	0816KE/I	0816POK/I	68	10
80	190	60	0819KE/I	0819POK/I	68	10
80	230	60	0823KE/I	0823POK/I	68	10
120	125	90	1212KE/I	1212POK/I	68	10
120	220	95	1222KE/I	1222POK/I	68	10
160	160	95	1616KE/I	1616POK/I	68	10
160	260	95	1626KE/I	1626POK/I	68	10
160	360	95	1636KE/I	1636POK/I	68	10
160	560	95	1656KE/I	1656POK/I	68	10
250	255	125	2526KE/I	2526POK/I	68	10
250	400	125	2540KE/I	2540POK/I	68	10
250	600	125	2560KE/I	2560POK/I	68	10
405	400	125	4140KE/I	4140POK/I	68	10
250	255	165	2526KE/DI	2526POK/DI	68	10
250	400	165	2540KE/DI	2540POK/DI	68	10
108	Round	68	040-702		68	20

## METER BOXES



Dimensions			Name	Code	Descriptions	QTY
H	W	D				
315	225	155	SMB-1	040-611	SMB-1 with gland plate	2
315	225	155	SMB-1	040-612	SMB-1 without g/plate	2
445	465	200	DMB-B	040-697	TMB-3B Blank Lid	2
445	465	210	DMB-A1	040-698	TMB-3 with 1 windows	2
445	465	210	DMB- A2	040-781	TMB-3 with 2 windows	2
445	465	210	DMB-A3	040-782	TMB-3 with 3 windows	2
315	225	155	WC1	040-664	WC1 for KWH meters	3
315	225	155	WC1-P	040-665	WC1-P for Pre Paid Meters	2
445	465	200	WC111	040-699	WC-3 for KWH meters	2
445	465	200	WC111-P	040-700	WC3-P for Pre Paid Meters	2
450	320	210	M1 B	040-763	M1 B Blank Box	

## POLE MOUNTED ENCLOSURES



### POLE MOUNTING BRACKETS

code	Description	Size
020-291	PB-Large B-C	27x250x55
020-292	PB Medium B-B	31x147x30
020-293	PB-Small B-A	27x124x22

Dimensions			Code	Descriptions	QTY per box
H	W	D			
255	185	120	040-637	CB1 slide lid	6
255	185	120	040-676	CB-1 Box - DIN + SAMITE	5
410	300	200	040-636	CB2 slide lid	2
325	200	110	040-638	CB3 14 way sam E+N bars	6
203	175	100	040-639	CB4 (ESKOM SPEC 1 X120A)	-
295	140	85	040-643	CB9 sliding lid	10
235	105	120	040-645	CB44	10
200	100	90	040-644	CB11 (1-2 way bundle box)	15
200	100	90	040-677	CB21 (2-4 way bundle box)	15
203	175	100	040-682	CB458 (5-8 way bundle box)	6

**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**



# JUNCTION BOXES - SCREW LIDS



Dimensions			Code	Descriptions	Qty per box
H	W	D			
170	106	78	040-601	MPAbox (S10)	20
205	155	70	040-602	MPBbox (S12)	20
305	205	110	040-603	MPCbox (U3S)	6
87	87	50	040-626	MPEbox (J1)	54
160	110	92	040-622	MPFbox (J3)	12
120	80	55	040-600	MPXbox (S5B)	10
110	70	80	040-755	MPXDeep (S5DEEP)	10
200	110	40	040-756	S11	5
230	130	120	040-653	MPS13box (S13)	12
230	130	160	040-757	MPS13D (S13Deep)	4
260	160	93	040-654	MPS14box (S14)	12
100	97	77	040-605	PB-1box	45
141	97	77	040-606	PB-2box	32
149	109	55	040-633	ST-1box (S64)	40
315	185	120	040-630	UB-4Ascrew-onlid (U2-S1)	6
400	300	100	040-762	EMB1-BTelephoneDBwithBoard (UB5-B)	1
93	93	68	040-742	JB-1/20	20
65	108		040-703	RF-1RooftopBox	20

**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**

## JUNCTION BOXES - SLIDE LIDS



Dimensions			Code	Descriptions	Qty per box
H	W	D			
190	170	157	040-607	UB-1	4
310	335	100	040-608	UB-2	4
315	185	120	040-615	UB-4boxs/lid (U2 )	4
315	185	120	040-666	UB-4s/lidwithwood (U2-M )	4
305	305	155	040-661	UB-7boxs/lid Trilock (U7-S1 )	2
305	305	155	040-623	UB-7boxs/lidCOMPLETE (U7-A )	2
195	245	216	040-624	UB-8Telkomsmalls/lid	2
212	365	250	040-625	UB-9Telkomlarges/lid	2
350	350	130	040-646	LC42Hingedlid	3
160	140	60	040-701	CB60 (S60 )	20

**PLEASE NOTE: CONTACT LOCAL GLOELEC BRANCH FOR PRICING**

# ALLBROX SMC ENCLOSURES

A modern range of enclosures brought to you by



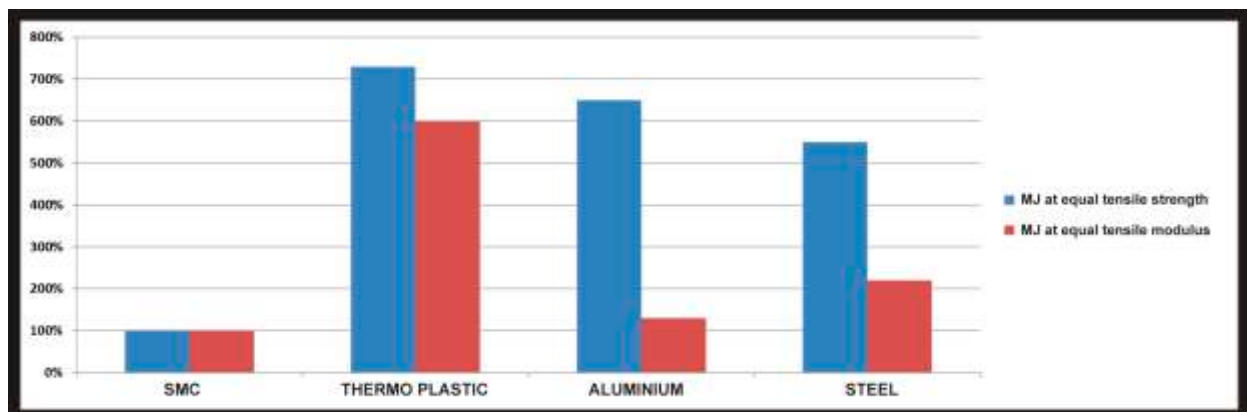
SHEET MOLDED COMPOUND IS

**GREEN**

AND ENVIRONMENTALLY FRIENDLY

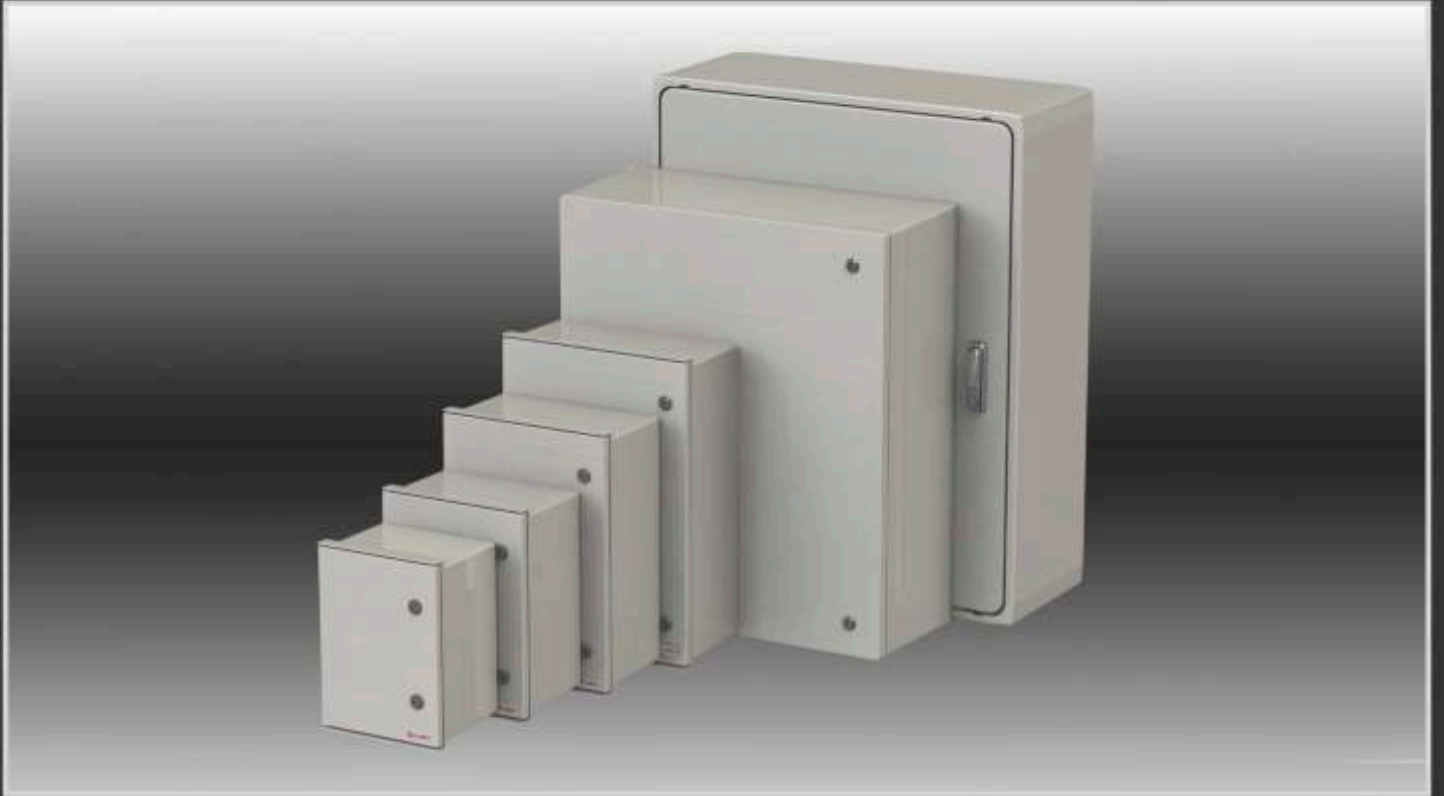


Energy use is an important element in the total environmental impact of a product. Producing materials from base materials requires energy in each step of the process. A way to compare the energy use for the production of a part is to calculate back to equal properties. In the graph below the relative use for producing a part with equal tensile strength and equal tensile modulus is represented:



**A part produced in SMC requires 5-7 times less energy to be produced than producing the same part in steel, aluminium or thermoplastic materials at equal strength.**

# ALLBROX SMC ENCLOSURES



Allbrox 7.1 and 8 available in landscape and Portrait



**Allbrox 7.1 Landscape** (Horizontal)  
(Standard Lid)

**Allbrox 7.1 Portrait** (Vertical)  
(Standard Lid)



**Allbrox 8 Landscape** (Horizontal)  
(Recessed Lid)

(Recessed Lid)  
**Allbrox 8 Portrait** (Vertical)



# ACCESSORIES FOR ALLBROX 4, 5 & 6



## Allbrox Distribution Board Kit

Part Number	Description	No. of Rows	MCB's Per Row	No. of Neutral Bars	No. of Earth Bars
ALL-004/DBK-A	Allbrox 4 Distribution Board Kit Assembled	2	10	3	2
ALL-004/DBK-F	Allbrox 4 Distribution Board Kit Flat Packed	2	10	3	2
ALL-005/DBK-A	Allbrox 5 Distribution Board Kit Assembled	3	13	4	4
ALL-005/DBK-F	Allbrox 5 Distribution Board Kit Flat Packed	3	13	4	4
ALL-006/DBK-A	Allbrox 6 Distribution Board Kit Assembled	4	15	3 and 1	10 and 30
ALL-006/DBK-F	Allbrox 6 Distribution Board Kit Flat Packed	4	15	3 and 1	10 and 30

## Allbrox with Inner Door

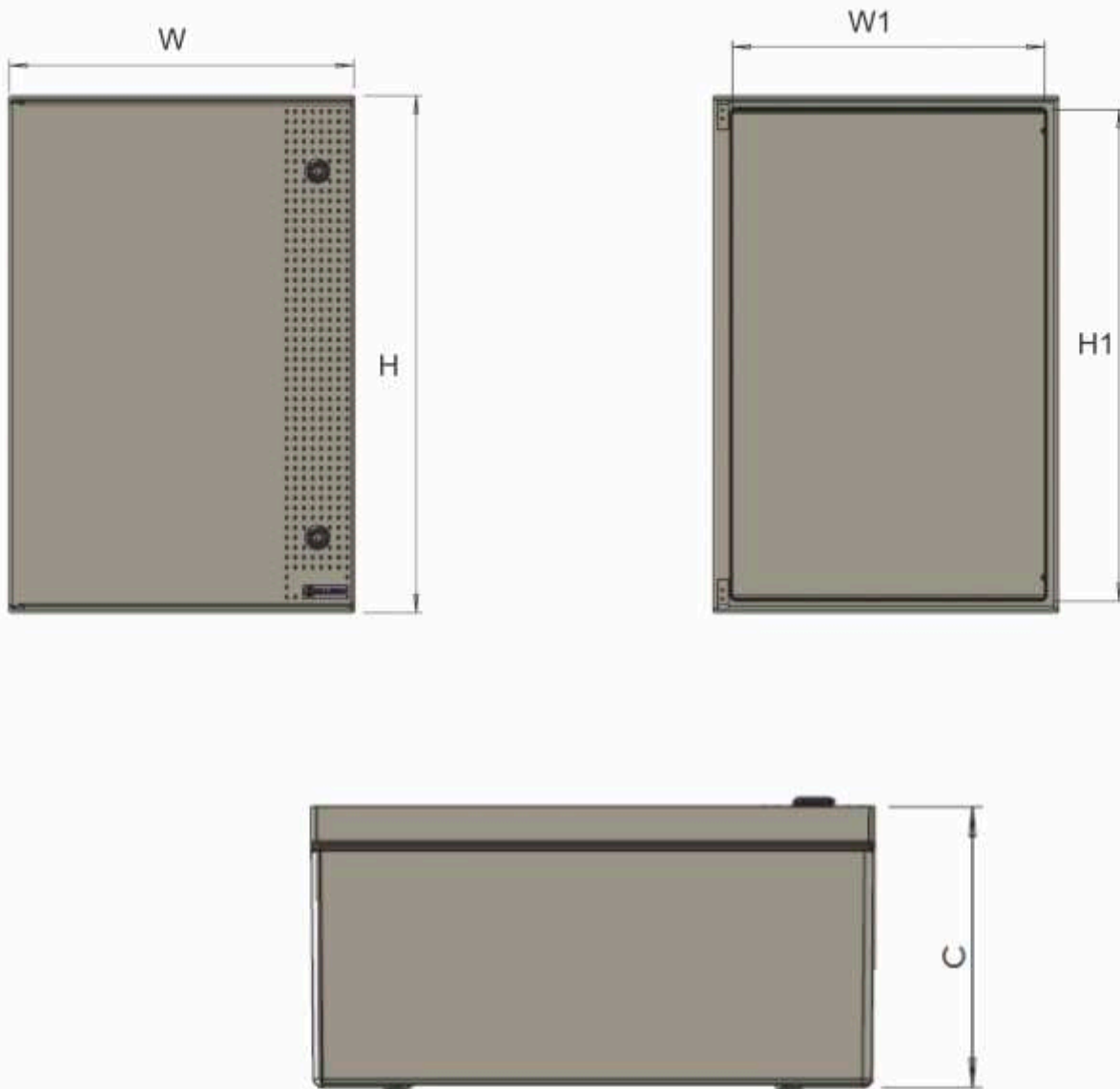
Part Number	Description
ALL-004/IN/DOOR	Allbrox 4 Inner Door
ALL-005/IN/DOOR	Allbrox 5 Inner Door
ALL-006/IN/DOOR	Allbrox 6 Inner Door

## Allbrox with Glass or PC Door

Part Number	Description
ALL-004/CLEARPC	Allbrox 4 with clear Polycarbonate door
ALL-004/CLEARGL	Allbrox 4 with glass door
ALL-005/CLEARPC	Allbrox 5 with clear Polycarbonate door
ALL-005/CLEARGL	Allbrox 5 with glass door
ALL-006/CLEARPC	Allbrox 6 with clear Polycarbonate door
ALL-006/CLEARGL	Allbrox 6 with glass door



# ACCESSORIES FOR ALLBROX 4, 5 & 6



Part Number	Description	W	H	D	W1	H1
ALL-003	Allbrox 3 with SMC Device plate	250	350	200	235	310
ALL-004	Allbrox 4 with SMC Device plate	300	400	200	285	360
ALL-005	Allbrox 5 with SMC Device plate	350	500	200	335	460
ALL-006	Allbrox 6 with SMC Device plate	400	600	200	385	560
ALL-007.1-L	Allbrox 7.1 Landscape with SMC Device plate	828	709	287	754	634
ALL-007.1-P	Allbrox 7.1 Portrait with SMC Device plate	709	828	287	754	634
ALL-008-P	Allbrox 8 Portrait with SMC Device plate	800	1000	320	706	906
ALL-008-L	Allbrox 8 Landscape SMC Device plate	1000	800	320	906	706



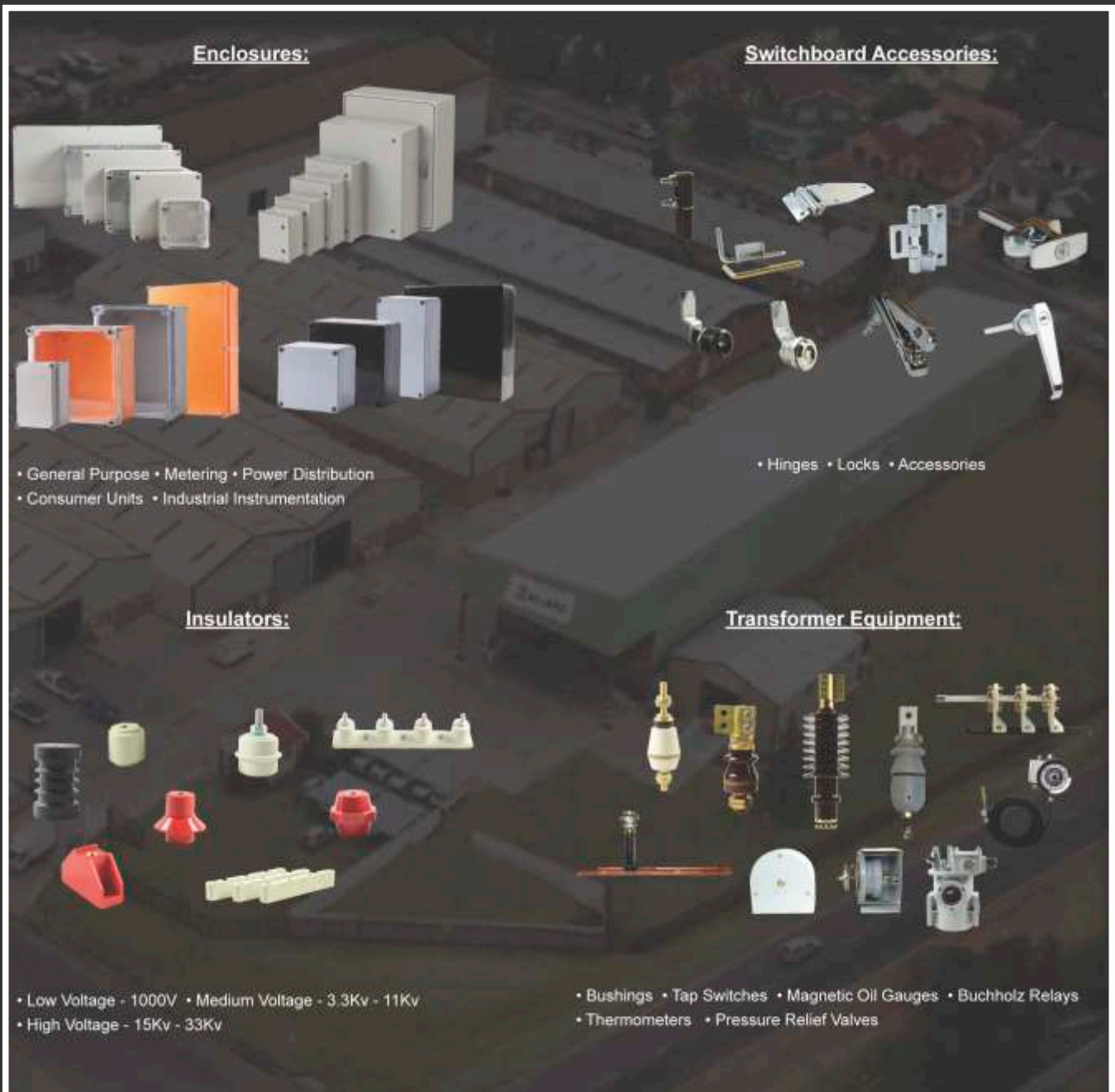
SHEET MOLDED COMPOUND IS



AND ENVIRONMENTALLY FRIENDLY



# ALLBRO PRODUCT RANGES



Established in 1978 Allbro is a South African company with more than 600 employees and has 12000 sqm of production facility. Allbro supplies key components that are used in almost every locally made transformer. With the acquisition of ABB's African enclosure operation (York) in 2011, Allbro also became a leading supplier of non-metallic enclosures to the industrial and residential contracting trade. Brands like York, Okari, Enlec, Utilec, PSO1 and PSO2 are well known in the South African market and are all solely manufactured by Allbro in South Africa. Local manufacture to international standards means that products are suited to the rigors of a tough local environment. Over the last 3 years Allbro has invested heavily into modern Non-metallic enclosure systems for international markets. This has been on a level unprecedented in South African history. Local manufacturing of Buchholz Relays and Pressure Relief Valves is another first for South Africa.



SHEET MOLDED COMPOUND IS

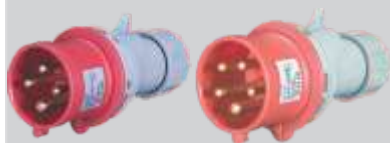


AND ENVIRONMENTALLY FRIENDLY

- CEE INDUSTRIAL PLUGS
- PLUG TOPS IP44 & IP67
- COUPLERS IP44 & IP67

•Protection Degree IP44 or IP67

•Cable inlet: Gland type



PART NUMBER	AMPS	PINS	IP RATING	DESCRIPTION	VOLTAGE	LIST PRICE
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### PLUG TOPS - ECONOMY RANGE - IP44

GL5 PTE4316M	16 A	3 Pin	IP44	Male Plug Top	230V	
GL5 PTE4416Q	16 A	4 Pin	IP44	Male Plug Top	415V	
GL5 PTE4516Q	16 A	5 Pin	IP44	Male Plug Top	415V	
GL5 PTE4332M	32 A	3 Pin	IP44	Male Plug Top	230V	
GL5 PTE4432Q	32 A	4 Pin	IP44	Male Plug Top	415V	
GL5 PTE4532Q	32 A	5 Pin	IP44	Male Plug Top	415V	
GL5 PTE4363M	63 A	3 Pin	IP44	Male Plug Top	230V	
GL5 PTE4463Q	63 A	4 Pin	IP44	Male Plug Top	415V	
GL5 PTE4563Q	63 A	5 Pin	IP44	Male Plug Top	415V	

### PLUG TOPS - ECONOMY RANGE - IP67

GL5 PTE6316M	16 A	3 Pin	IP67	Male Plug Top	230V	
GL5 PTE6416Q	16 A	4 Pin	IP67	Male Plug Top	415V	
GL5 PTE6516Q	16 A	5 Pin	IP67	Male Plug Top	415V	
GL5 PTE6332M	32 A	3 Pin	IP67	Male Plug Top	230V	
GL5 PTE6432Q	32 A	4 Pin	IP67	Male Plug Top	415V	
GL5 PTE6532Q	32 A	5 Pin	IP67	Male Plug Top	415V	

### PLUG TOPS - ECONOMY RANGE - IP67 - FOR SHIPPING CONTAINERS

GL5 PTE6432H	32 A	4 Pin	IP67 3HR	Male Plug Top Container Type	415V	
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### COUPLERS - ECONOMY RANGE - IP44

GL5 CE4316M	16 A	3 Pin	IP44	Male Plug Top	230V	
GL5 CE4416Q	16 A	4 Pin	IP44	Male Plug Top	415V	
GL5 CE4516Q	16 A	5 Pin	IP44	Male Plug Top	415V	
GL5 CE4332M	32 A	3 Pin	IP44	Male Plug Top	230V	
GL5 CE4432Q	32 A	4 Pin	IP44	Male Plug Top	415V	
GL5 CE4532Q	32 A	5 Pin	IP44	Male Plug Top	415V	

### COUPLERS - ECONOMY RANGE - IP67

GL5 CE6316M	16 A	3 Pin	IP67	Coupler	230V	
GL5 CE6416Q	16 A	4 Pin	IP67	Coupler	415V	
GL5 CE6516Q	16 A	5 Pin	IP67	Coupler	415V	
GL5 CE6332M	32 A	3 Pin	IP67	Coupler	230V	
GL5 CE6432Q	32 A	4 Pin	IP67	Coupler	415V	
GL5 CE6532Q	32 A	5 Pin	IP67	Coupler	415V	

### COUPLERS - ECONOMY RANGE - IP67 - FOR SHIPPING CONTAINERS

GL5 CE64323HR	32 A	4 Pin	IP67 3HR	Male Coupler Container Type	415V	
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- PANEL SOCKETS
- UNSWITCHED SOCKETS
- APPLIANCE INLETS IP44 & IP67

- **Protection Degree IP44 or IP67**
- **Impact resistant engineering plastic**

PART NUMBER	AMPS	PINS	IP RATING	DESCRIPTION	VOLTAGE	LIST PRICE
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### SOCKETS (ANGLED PANEL MOUNT WITH FLANGE) - IP44

GL5 SPE4316M	16 A	3 Pin	IP44	Panel Socket	230V	
GL5 SPE4416Q	16 A	4 Pin	IP44	Panel Socket	415V	
GL5 SPE4516Q	16 A	5 Pin	IP44	Panel Socket	415V	
GL5 SPE4332M	32 A	3 Pin	IP44	Panel Socket	230V	
GL5 SPE4432Q	32 A	4 Pin	IP44	Panel Socket	415V	
GL5 SPE4532Q	32 A	5 Pin	IP44	Panel Socket	415V	

### APPLIANCE INLETS - PANEL MOUNTING- IP44

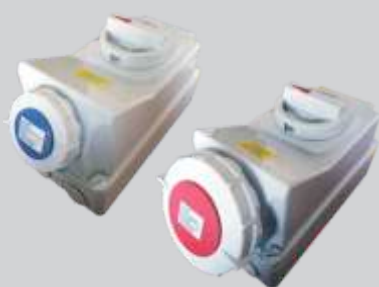
GL5 AIPE4316M	16 A	3 Pin	IP44	Appliance Inlet	230V	
GL5 AIPE4416Q	16 A	4 Pin	IP44	Appliance Inlet	415V	
GL5 AIPE4516Q	16 A	5 Pin	IP44	Appliance Inlet	415V	
GL5 AIPE4332M	32 A	3 Pin	IP44	Appliance Inlet	230V	
GL5 AIPE4432Q	32 A	4 Pin	IP44	Appliance Inlet	415V	
GL5 AIPE4532Q	32 A	5 Pin	IP44	Appliance Inlet	415V	

### APPLIANCE INLETS - PANEL MOUNTING- IP67

GL5 AIPE6316M	16 A	3 Pin	IP67	Appliance Inlet	230V	
GL5 AIPE6416Q	16 A	4 Pin	IP67	Appliance Inlet	415V	
GL5 AIPE6516Q	16 A	5 Pin	IP67	Appliance Inlet	415V	
GL5 AIPE6332M	32 A	3 Pin	IP67	Appliance Inlet	230V	
GL5 AIPE6432Q	32 A	4 Pin	IP67	Appliance Inlet	415V	
GL5 AIPE6532Q	32 A	5 Pin	IP67	Appliance Inlet	415V	
GL5 AIPE6363M	63 A	3 Pin	IP67	Appliance Inlet	230V	
GL5 AIPE6463Q	63 A	4 Pin	IP67	Appliance Inlet	415V	
GL5 AIPE6563Q	63 A	5 Pin	IP67	Appliance Inlet	415V	
GL5 AIPE63125M	125A	3 Pin	IP67	Appliance Inlet	230V	
GL5 AIPE64125Q	125A	4 Pin	IP67	Appliance Inlet	415V	
GL5 AIPE65125Q	125A	5 Pin	IP67	Appliance Inlet	415V	

- UNSWITCHED SURFACE APPLIANCE INLETS
- INTERLOCKED SWITCHED SOCKETS
- IP44 & IP67

- Protection Degree IP44 OR IP67
- Impact resistant engineering plastic



PART NUMBER	AMPS	PINS	IP RATING	DESCRIPTION	VOLTAGE	LIST PRICE
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### APPLIANCE INLETS - SURFACE MOUNTING- IP67

GL5 SAIE6316M	16 A	3 Pin	IP67	Appliance Inlet	230V	
GL5 SAIE6416Q	16 A	4 Pin	IP67	Appliance Inlet	415V	
GL5 SAIE6516Q	16 A	5 Pin	IP67	Appliance Inlet	415V	
GL5 SAIE6332M	32 A	3 Pin	IP67	Appliance Inlet	230V	
GL5 SAIE6432Q	32 A	4 Pin	IP67	Appliance Inlet	415V	
GL5 SAIE6532Q	32 A	5 Pin	IP67	Appliance Inlet	415V	
GL5 SAIE6363M	63 A	3 Pin	IP67	Appliance Inlet	230V	
GL5 SAIE6463Q	63 A	4 Pin	IP67	Appliance Inlet	415V	
GL5 SAIE6563Q	63 A	5 Pin	IP67	Appliance Inlet	415V	

### APPLIANCE INLETS - SURFACE MOUNTING- IP44

GL5 SAIE4316M	16 A	3 Pin	IP44	Appliance Inlet	230V	
GL5 SAIE4416Q	16 A	4 Pin	IP44	Appliance Inlet	415V	
GL5 SAIE4516Q	16 A	5 Pin	IP44	Appliance Inlet	415V	
GL5 SAIE4332M	32 A	3 Pin	IP44	Appliance Inlet	230V	
GL5 SAIE4432Q	32 A	4 Pin	IP44	Appliance Inlet	415V	
GL5 SAIE4532Q	32 A	5 Pin	IP44	Appliance Inlet	415V	

### SWITCHED SOCKETS - INTERLOCKED - SURFACE MOUNTING - IP44

GL5 SSOE4316M	16 A	3 Pin	IP44	Switched Socket	230V	
GL5 SSOE4416Q	16 A	4 Pin	IP44	Switched Socket	415V	
GL5 SSOE4516Q	16 A	5 Pin	IP44	Switched Socket	415V	
GL5 SSOE4332M	32 A	3 Pin	IP44	Switched Socket	230V	
GL5 SSOE4432Q	32 A	4 Pin	IP44	Switched Socket	415V	
GL5 SSOE4532Q	32 A	5 Pin	IP44	Switched Socket	415V	

### SWITCHED SOCKETS - INTERLOCKED - SURFACE MOUNTING - IP67

GL5 SSOE6316M	16 A	3 Pin	IP67	Switched Socket	230V	
GL5 SSOE6416Q	16 A	4 Pin	IP67	Switched Socket	415V	
GL5 SSOE6516Q	16 A	5 Pin	IP67	Switched Socket	415V	
GL5 SSOE6332M	32 A	3 Pin	IP67	Switched Socket	230V	
GL5 SSOE6432Q	32 A	4 Pin	IP67	Switched Socket	415V	
GL5 SSOE6532Q	32 A	5 Pin	IP67	Switched Socket	415V	

### SWITCHED SOCKET - INTERLOCKED- SURFACE MOUNTING - IP67 - FOR SHIPPING CONTAINERS

GL5 SSOE64323HR	32 A	4 Pin	IP67 3HR	Switched Socket Container Type	415V	
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- INDUSTRIAL PLUGS
- INDUSTRIAL COUPLERS
- IP44 & IP67

- **IP44 and IP67**
- **Cable entry: Screw type- can be tightened by hand**
- **Material: Engineering plastic**



**NEW**



**NEW**



PART NUMBER	AMPS	PINS	IP RATING	DESCRIPTION	VOLTAGE	LIST PRICE
-------------	------	------	-----------	-------------	---------	------------

**PLUG TOPS- PREMIER RANGE - IP44**

GL5 PTO4316M	16 A	3 Pin	IP44	Plug Top	230V	
GL5 PTO4416Q	16 A	4 Pin	IP44	Plug Top	415V	
GL5 PTO4516Q	16 A	5 Pin	IP44	Plug Top	415V	
GL5 PTO4332M	32 A	3 Pin	IP44	Plug Top	230V	
GL5 PTO4432Q	32 A	4 Pin	IP44	Plug Top	415V	
GL5 PTO4532Q	32 A	5 Pin	IP44	Plug Top	415V	

**PLUG TOPS- PREMIER RANGE - IP67**

GL5 PTO6316M	16 A	3 Pin	IP67	Male Plug Top	230V	
GL5 PTO6416Q	16 A	4 Pin	IP67	Male Plug Top	415V	
GL5 PTO6516Q	16 A	5 Pin	IP67	Male Plug Top	415V	
GL5 PTO6332M	32 A	3 Pin	IP67	Male Plug Top	230V	
GL5 PTO6432Q	32 A	4 Pin	IP67	Male Plug Top	415V	
GL5 PTO6532Q	32 A	5 Pin	IP67	Male Plug Top	415V	
GL5 PTO6363M	63 A	3 Pin	IP67	Male Plug Top	230V	
GL5 PTO6463Q	63 A	4 Pin	IP67	Male Plug Top	415V	
GL5 PTO6563Q	63 A	5 Pin	IP67	Male Plug Top	415V	
GL5 PTO63125M	125A	3 Pin	IP67	Male Plug Top	230V	
GL5 PTO64125Q	125A	4 Pin	IP67	Male Plug Top	415V	
GL5 PTO65125Q	125A	5 Pin	IP67	Male Plug Top	415V	

**PLUG TOPS - PREMIER RANGE - IP67 - FOR SHIPPING CONTAINERS**

GL5 PTO64323HR	32 A	4 Pin	IP67	3HR Male Plug Top Container Type	415V	
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**COUPLER- PREMIER RANGE - IP44**

GL5 CO4316M	16 A	3 Pin	IP44	Female Coupler	230V	
GL5 CO4416Q	16 A	4 Pin	IP44	Female Coupler	415V	
GL5 CO4516Q	16 A	5 Pin	IP44	Female Coupler	415V	
GL5 CO4332M	32 A	3 Pin	IP44	Female Coupler	230V	
GL5 CO4432Q	32 A	4 Pin	IP44	Female Coupler	415V	
GL5 CO4532Q	32 A	5 Pin	IP44	Female Coupler	415V	

**COUPLERS - PREMIER RANGE - IP67**

GL5 CO6316M	16 A	3 Pin	IP67	Female Coupler	230V	
GL5 CO6416Q	16 A	4 Pin	IP67	Female Coupler	415V	
GL5 CO6516Q	16 A	5 Pin	IP67	Female Coupler	415V	
GL5 CO6332M	32 A	3 Pin	IP67	Female Coupler	230V	
GL5 CO6432Q	32 A	4 Pin	IP67	Female Coupler	415V	
GL5 CO6532Q	32 A	5 Pin	IP67	Female Coupler	415V	
GL5 CO6363M	63 A	3 Pin	IP67	Female Coupler	230V	
GL5 CO6463Q	63 A	4 Pin	IP67	Female Coupler	415V	
GL5 CO6563Q	63 A	5 Pin	IP67	Female Coupler	415V	
GL5 CO63125M	125A	3 Pin	IP67	Female Coupler	230V	
GL5 CO64125Q	125A	4 Pin	IP67	Female Coupler	415V	
GL5 CO65125Q	125A	5 Pin	IP67	Female Coupler	415V	

**COUPLERS - PREMIER RANGE - IP67 - FOR SHIPPING CONTAINERS**

GL5 CO64323HR	32A	4 Pin	IP67	3HR Male Coupler Container Type	415V	
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## ONESTO - PREMIER RANGE

- INDUSTRIAL PANEL SOCKETS
- SURFACE UNSWITCHED SOCKETS
- IP44 & IP67

- IP44 and IP67
- Gland cable entry (PG Gland) on unswitched sockets
- Impact resistant Engineering Plastic



**NEW**



**NEW**



PART NUMBER	AMPS	PINS	IP RATING	DESCRIPTION	VOLTAGE	LIST PRICE
-------------	------	------	-----------	-------------	---------	------------

### SOCKETS - (PANEL MOUNT WITH FLANGE) - PREMIER RANGE - IP44

GL5 SPO4316M	16 A	3 Pin	IP44	Panel Mount Socket	230V	
GL5 SPO4416Q	16 A	4 Pin	IP44	Panel Mount Socket	415V	
GL5 SPO4516Q	16 A	5 Pin	IP44	Panel Mount Socket	415V	
GL5 SPO4332M	32 A	3 Pin	IP44	Panel Mount Socket	230V	
GL5 SPO4432Q	32 A	4 Pin	IP44	Panel Mount Socket	415V	
GL5 SPO4532Q	32 A	5 Pin	IP44	Panel Mount Socket	415V	

### SOCKETS - (PANEL MOUNT WITH FLANGE) - PREMIER RANGE - IP67

GL5 SPO6316M	16 A	3 Pin	IP67	Female Coupler	230V	
GL5 SPO6416Q	16 A	4 Pin	IP67	Female Coupler	415V	
GL5 SPO6516Q	16 A	5 Pin	IP67	Female Coupler	415V	
GL5 SPO6332M	32 A	3 Pin	IP67	Female Coupler	230V	
GL5 SPO6432Q	32 A	4 Pin	IP67	Female Coupler	415V	
GL5 SPO6532Q	32 A	5 Pin	IP67	Female Coupler	415V	
GL5 SPO6363M	63 A	3 Pin	IP67	Female Coupler	230V	
GL5 SPO6463Q	63 A	4 Pin	IP67	Female Coupler	415V	
GL5 SPO6563Q	63 A	5 Pin	IP67	Female Coupler	415V	
GL5 SPO63125M	125A	3 Pin	IP67	Female Coupler	230V	
GL5 SPO64125Q	125A	4 Pin	IP67	Female Coupler	415V	
GL5 SPO65125Q	125A	5 Pin	IP67	Female Coupler	415V	

### SOCKET OUTLETS - UNSWITCHED - (SURFACE MOUNT) - PREMIER RANGE - IP44 COMPLETE WITH GLAND

GL5 SEO4316M	16 A	3 Pin	IP44	Socket Outlet	230V	
GL5 SEO4416Q	16 A	4 Pin	IP44	Socket Outlet	415V	
GL5 SEO4516Q	16 A	5 Pin	IP44	Socket Outlet	415V	
GL5 SEO4332M	32 A	3 Pin	IP44	Socket Outlet	230V	
GL5 SEO4432Q	32 A	4 Pin	IP44	Socket Outlet	415V	
GL5 SEO4532Q	32 A	5 Pin	IP44	Socket Outlet	415V	

### SOCKET OUTLETS - UNSWITCHED - (SURFACE MOUNT) - PREMIER RANGE - IP67 COMPLETE WITH GLAND

GL5 SEO6316M	16 A	3 Pin	IP67	Socket Outlet	230V	
GL5 SEO6416Q	16 A	4 Pin	IP67	Socket Outlet	415V	
GL5 SEO6516Q	16 A	5 Pin	IP67	Socket Outlet	415V	
GL5 SEO6332M	32 A	3 Pin	IP67	Socket Outlet	230V	
GL5 SEO6432Q	32 A	4 Pin	IP67	Socket Outlet	415V	
GL5 SEO6532Q	32 A	5 Pin	IP67	Socket Outlet	415V	
GL5 SEO6363M	63 A	3 Pin	IP67	Socket Outlet	230V	
GL5 SEO6463Q	63 A	4 Pin	IP67	Socket Outlet	415V	
GL5 SEO6563Q	63 A	5 Pin	IP67	Socket Outlet	415V	
GL5 SEO63125M	125A	3 Pin	IP67	Socket Outlet	230V	
GL5 SEO64125Q	125A	4 Pin	IP67	Socket Outlet	415V	
GL5 SEO65125Q	125A	5 Pin	IP67	Socket Outlet	415V	



## ONESTO - PREMIER RANGE

- 7 PIN PLUG TOPS & COUPLERS
- UNSWITCHED SOCKETS & INLETS
- PHASE INVERTER PLUG TOPS
- SCHUKO PLUG TOPS, SOCKETS & COUPLERS

- **IP44 and IP67**
- **Impact resistant Engineering Plastic**
- **Cable Entry: Screw Type - Can be Tightened by Hand**

PART NUMBER	AMPS	PINS	IP RATING	DESCRIPTION	VOLTAGE	LIST PRICE
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### PLUG TOP - PREMIER RANGE

GL5 PTO4716	16 A	7 Pin	IP44	Male Plug Top	415 V	
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### COUPLER - PREMIER RANGE

GL5 CO4716	16 A	7 Pin	IP44	Coupler	415 V	
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### UNSWITCHED SOCKET & APPLIANCE INLET - PREMIER RANGE

GL5 SO4716	16A	7 Pin	IP44	Unswitched Socket	415 V	
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GL5 SEAIO4716	16A	7 Pin	IP44	Appliance Inlet	415 V	
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### PHASE INVERTER PLUG TOPS - PREMIER RANGE

GL5 PTOI4716	16A	3P+N+E	IP44	Plug + Phase Inverter	415 V	
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GL5 PTOI6716	16A	3P+N+E	IP67	Plug + Phase Inverter	415 V	
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GL5 PTOI4732	32A	3P+N+E	IP44	Plug + Phase Inverter	415 V	
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GL5 PTOI6732	32A	3P+N+E	IP67	Plug + Phase Inverter	415 V	
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### MULTI OUTLETS IP67 - PREMIER RANGE

GL5 MO6316	16A	2 P+E	IP67	Multi Outlet	415 V	
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GL5 MO6416	16A	3 P+E	IP67	Multi Outlet	415 V	
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GL5 MO6516	16	3 P+N+E	IP67	Multi Outlet	415 V	
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GL5 MO6332	32	2 P+E	IP67	Multi Outlet	415 V	
------------	----	-------	------	--------------	-------	--

GL5 MO6432	32	3 P+N	IP67	Multi Outlet	415 V	
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### SCHUKO PLUG TOP, COUPLER & SOCKET - (STRAIGHT PANEL MOUNT WITH FLANGE) - EXPORT ONLY!

GL5 SCS4216	16 A	2 Pin	IP44	Schuko Panel Socket	230 V	
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GL5 PS4216	16 A	2 Pin	IP44	Schuko Plug Top	230 V	
------------	------	-------	------	-----------------	-------	--

GL5 SPS4216	16 A	2 Pin	IP44	Schuko Coupler	230 V	
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- COMPLETE SURFACE MOUNT
- MODULAR ASSEMBLY



- Option of IP44 or IP67
- Modular System - Create your own combination to suit your needs
- Impact resistant Engineering Plastic

PART NUMBER	DESCRIPTION	LIST PRICE
-------------	-------------	------------

**SURFACE MOUNT ADD ON PORTABLE DISTRIBUTION BOARDS - EXCL. SOCKETS & CIRCUIT BREAKERS**

**GL5 SMDB1006** DB for Modular System (Excl. MCB's)

**GL5 SMDB16** 3 x 16A CEE Angled Socket Modular System 3 x Module  
Board Only, No Sockets

**GL5 SMDB32** 2 x 32A CEE Angled Socket Modular System 2 x Module  
Board Only, No Sockets

**CREATE YOUR OWN COMBINATION TO SUIT YOUR NEEDS**



GL5 SMDB1006



KC3 CIRCUIT BREAKERS



KC3 CIRCUIT BREAKERS



GL5 SMDB32



2 X 32 AMP CEE SOCKETS



GL5 SMDB16



3 X 16 AMP CEE SOCKETS



**CREATE YOUR OWN COMBINATION TO SUIT YOUR NEEDS**

- SURFACE MOUNT
- MODULAR ASSEMBLY



- **Modular System - Create your own combination to suit your needs**
- **Impact resistant Engineering Plastic**

PART NUMBER	DESCRIPTION
-------------	-------------

**SURFACE MOUNT - ADD ON - PORTABLE DISTRIBUTION BOARDS - EXCL. SOCKETS & CIRCUIT BREAKERS**

**GL5 PDBM01** Portable Distirbution Board - Excludes MCB's

**GL5 PDBMS01** Portable Distribution Board with Handle - Excludes MCB's & Sockets

**Build to Suit Your Needs - Specify with Sockets - See Page 141**

**CREATE YOUR OWN COMBINATIONS TO SUIT YOUR NEEDS**



**GL5 PDBM01**  
**FITS 16A ONLY - IP67**  
**SURFACE MOUNT SOCKETS**



**3 x ONESTO ONYX**  
**FITS 16A ONLY - IP67 (PG 138)**  
**CEE SOCKETS**



**KC3 CIRCUIT BREAKERS**



**GL5 PDBMS01**  
**CAN FIT ANY SOCKET**



**MULTIPLE SOCKETS**



**CIRCUIT BREAKERS**



**CREATE YOUR OWN COMBINATION TO SUIT YOUR NEEDS**

- INDUSTRIAL SWITCHED SOCKETS
- INTERLOCKED & NON-INTERLOCKED
- IP44 & IP67

- **Material: Engineering Plastic**
- **Impact resistant**
- **Interlocked for safety. *Plug must be inserted before turning switch on.***
- **Pre-formed threaded holes with blanking plugs**

PART NUMBER	AMPS	PINS	IP RATING	DESCRIPTION	VOLTAGE	LIST PRICE
-------------	------	------	-----------	-------------	---------	------------

### ONYX SWITCHED SOCKETS WITH INTERLOCK - (SURFACE MOUNTING) - IP44

GL5 SSEI4316M	16 A	3 Pin	IP44	Switched Socket	230 V	
GL5 SSEI4416Q	16 A	4 Pin	IP44	Switched Socket	415 V	
GL5 SSEI4516Q	16 A	5 Pin	IP44	Switched Socket	415 V	
GL5 SSEI4332M	32 A	3 Pin	IP44	Switched Socket	230 V	
GL5 SSEI4432Q	32 A	4 Pin	IP44	Switched Socket	415 V	
GL5 SSEI4532Q	32 A	5 Pin	IP44	Switched Socket	415 V	

### ONYX SWITCHED SOCKETS WITH INTERLOCK - (SURFACE MOUNTING)- IP67

GL5 SSEI6316M	16 A	3 Pin	IP67	Switched Socket	230 V	
GL5 SSEI6416Q	16 A	4 Pin	IP67	Switched Socket	415 V	
GL5 SSEI6516Q	16 A	5 Pin	IP67	Switched Socket	415 V	
GL5 SSEI6332M	32 A	3 Pin	IP67	Switched Socket	230 V	
GL5 SSEI6432Q	32 A	4 Pin	IP67	Switched Socket	415 V	
GL5 SSEI6532Q	32 A	5 Pin	IP67	Switched Socket	415 V	
GL5 SSEI6363M	63 A	3 Pin	IP67	Switched Socket	230 V	
GL5 SSEI6463Q	63 A	4 Pin	IP67	Switched Socket	415 V	
GL5 SSEI6563Q	63 A	5 Pin	IP67	Switched Socket	415 V	

### PLUG TOPS - PREMIUM RANGE - IP67 - FOR SHIPPING CONTAINERS

GL5 SSEI6432Q3	32 A	4 Pin	IP67	3HR Switched Socket Container Type	415V	
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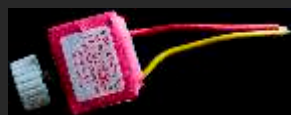
### SWITCHED SOCKETS - NON INTERLOCKED - (SURFACE MOUNTING) - IP67

GL5 SSE6316M	16 A	3 Pin	IP67	Switched Socket	230 V	
GL5 SSE6416Q	16 A	4 Pin	IP67	Switched Socket	415 V	
GL5 SSE6516Q	16 A	5 Pin	IP67	Switched Socket	415 V	
GL5 SSE6332M	32 A	3 Pin	IP67	Switched Socket	230 V	
GL5 SSE6432Q	32 A	4 Pin	IP67	Switched Socket	415 V	
GL5 SSE6532Q	32 A	5 Pin	IP67	Switched Socket	415 V	



- ROTARY SWITCHED POT
- FITS 4 x 2 WALL BOX
- SPARE MODULES

- 3 Year Warranty
- Rotary
- Standard Leading & Trailing Edge
- Steel Covers



PART NUMBER	DESCRIPTION	PACK	LIST PRICE
-------------	-------------	------	------------

### ROTARY DIMMERS - 500 WATT 4 X 2 - STANDARD LEADING EDGE

GL6 D25001S	500 W 1 Lever Switch Pot	"RED"	10
GL6 D25002S	500 W 2 Lever Switch Pot	"RED"	10
GL6 D25003S	500 W 3 Lever Switch Pot	"RED"	10
GL6 D25004S	500 W 4 Lever Switch Pot	"RED"	10
GL6 D25005SD	500 W 2 Lever Double Pot	"RED"	1

\* Maximum 500 W Resistive - 400W Inductive - Min 35W

\* Un-switched Pot Dimmers for all variants available on request

### ROTARY DIMMERS - 1000 WATT 4 X 2 - STANDARD LEADING EDGE

GL6 D210001S	1000 W 1 Lever Switch Pot	"RED"	10
GL6 D210002S	1000 W 2 Lever Switch Pot	"RED"	10
GL6 D210003S	1000 W 3 Lever Switch Pot	"RED"	10
GL6 D210004S	1000 W 4 Lever Switch Pot	"RED"	10

\* Maximum 1000 W Resistive - 800W Inductive - Min 50W

\* Un-switched Pot Dimmers for all variants available on request

### ROTARY DIMMERS - 1500 WATT 4 X 2 - STANDARD LEADING EDGE

GL6 D215001S	1500 W 1 Lever Switch Pot	"RED"	10
GL6 D215002S	1500 W 2 Lever Switch Pot	"RED"	10
GL6 D215003S	1500 W 3 Lever Switch Pot	"RED"	10
GL6 D215004S	1500 W 4 Lever Switch Pot	"RED"	10

\* Maximum 1500 W Resistive - 800W Inductive - Min 120W

\* Un-switched Pot Dimmers for all variants available on request

### ROTARY DIMMER MODULES - SWITCHED POT

GL6 DM500S	500 W Dimmer Module	Standard	RED
GL6 DM1000S	1000 W Dimmer Module	Standard	RED
GL6 DM120S	120 W Dimmer Module	LED with Minimum Output Adjuster	RED
GL6 DMR350TES	350 W Dimmer Module	Trailing Edge for Electronic Transformer only	RED
GL6 DMR250CFLS	250 W Dimmer Module	CFL	YELLOW

### ROTARY DIMMER MODULES - UNSWITCHED POT

GL6 DM500	500 W Dimmer Module	Standard	BLUE
GL6 DM1000	1000 W Dimmer Module	Standard	BLUE
GL6 DM120	120 W Dimmer Module	LED with Minimum Output Adjuster	BLUE
GL6 DMR350TE	350 W Dimmer Module	Trailing Edge for Electronic Transformer only	BLUE
GL6 DMR250CFL	250 W Dimmer Module	CFL	BLUE

TECHNICAL DATA & WIRING DIAGRAMS - REFER TO PAGE 148 & 204

- FLUORESCENT DIMMERS
- HEAVY DUTY DIMMERS
- ROTARY SWITCHED POT - TRAILING EDGE



- 3 Year Warranty
- Rotary Switched & Unswitched Pot
- Standard Leading Edge
- Trailing Edge
- Steel Covers

PART NUMBER	DESCRIPTION	PACK	LIST PRICE
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### ROTARY FLUORESCENT DIMMERS - 1000 WATT 4 X 2

GL1 000/1FL	1000 W	1 Lever Un-Switched Pot	"BLUE"	1
GL1 000/2FL	1000 W	2 Lever Un-Switched Pot	"BLUE"	1
GL1 000/3FL	1000 W	3 Lever Un-Switched Pot	"BLUE"	1

\* Compatible with all fluorescent 1 to 10V Ballasts

\* Min 1 Ballast - Maximum 60 x Osram Ballasts

### HEAVY DUTY DIMMERS - INDUSTRIAL - STANDARD LEADING EDGE

GL6 DSR2000S	2 kW	Resistive	Pot Control	1.6 kW	Inductive	1
GL6 DSR3000S	3 kW	Resistive	Pot Control	3 kW	Inductive	1
GL6 DSR4000S	4 kW	Resistive	Pot Control	2.4 kW	Inductive	1
GL6 DSR10000S	10 kW	Resistive	Pot Control	8 kW	Inductive	1
GL6 DSR2000B	2 kW	Resistive	Push Button	1.6 kW	Inductive	1
GL6 DSR3000B	3 kW	Resistive	Push Button	2.4 kW	Inductive	1
GL6 DSR4000B	4 kW	Resistive	Push Button	3 kW	Inductive	1

\* Complete in Surface Box for either Surface OR Remote Mounting

### HEAVY DUTY DIMMERS SLIM - STANDARD LEADING EDGE - 4 x 4

GL6 DR2000S	2 kW	Resistive	Remote Pot Control	1.6 kW	Inductive
GL6 DR3000B	2 kW	Resistive	Remote Push Button	3 kW	Inductive

\* Complete in 4 x 4 Extension Box + 4 x 2 Remote Pot on Plate

### HEAVY DUTY DIMMERS SLIM - TRAILING EDGE - REMOTE ONLY - 4 x 4

GL6 DR1000ST	1 kW	Remote Pot Control	Trailing Edge Dimmer	4 x 4
--------------	------	--------------------	----------------------	-------

\* Complete in 4 x 4 Extension Box + 4 x 2 Remote Pot on Plate

\* N.B. For use with ELECTRONIC Transformers ONLY

### ROTARY TRAILING EDGE DIMMERS - 350W 4 X 2

GL6 D215001S	350 W	1 Lever Switch Pot	"RED"	10
GL6 D215002S	350 W	2 Lever Switch Pot	"RED"	10
GL6 D215003S	350 W	3 Lever Switch Pot	"RED"	10
GL6 D215004S	350 W	4 Lever Switch Pot	"RED"	10

\* N.B. For use with ELECTRONIC Transformers ONLY - Minimum 35W



- LED DIMMERS
- FAN CONTROLLERS
- BELL PRESS MODULES

- 3 Year Warranty
- Rotary Switched & Unswitched Pot
- Trailing Edge
- LED Dimmers with minimum output adjustment
- Voltage Stabilisers

PART NUMBER	DESCRIPTION	PACK	LIST PRICE
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### ROTARY L.E.D. DIMMER WITH MINIMUM OUTPUT ADJUSTER - 4 X 2

GL6 D21201L	120 W 1 Lever Switch Pot "RED"	10	
GL6 D21202L	120 W 2 Lever Switch Pot "RED"	10	
GL6 D21203L	120 W 3 Lever Switch Pot "RED"	10	
GL6 D21204L	120 W 4 Lever Switch Pot "RED"	10	

\* NB for use with DIMMABLE GU10 Type Lamps ONLY - Minimum 6W - Maximum 120W

### FAN CONTROLLERS & VOLTAGE STABILISERS

GL6 FC201	1 Lever Fan Controller - 1 Fan - 4 x 2 Complete on Cover with 4 Speed Settings - Silent Type	1	
GL6 FC204	1 Lever Fan Controller - 4 Amp - 4 x 2 Complete on Cover - Silent Type	1	
GL6 VS	Voltage Stabiliser 1 Per 4 Transformers if required	1	

### LED DIMMER (12 - 24V DC) - SUITABLE FOR DIMMING LED STRIP

GL6 DM5APWMM	Master Control Module 5A		
GL6 DM5APWMS	Slave Control Module 5A		

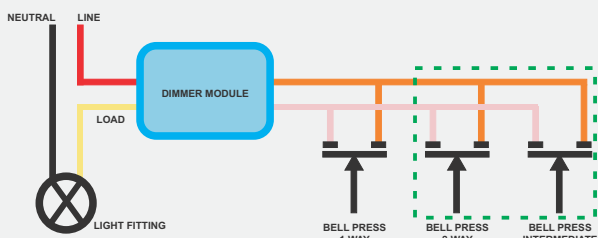
\* Dimmers may be combined to control multiple LED Strips

### BELL PRESS DIMMER MODULES (EXCLUDING SWITCH)

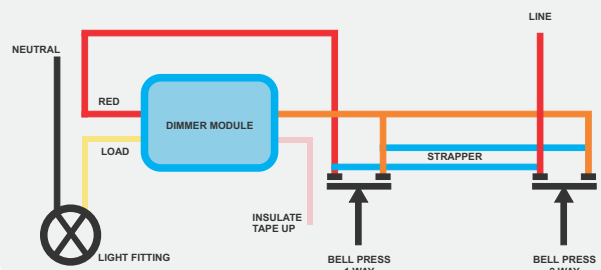
GL6 DMBP240BL	240 W LED Dimmer Module "RED"	20	
* NB for use with DIMMABLE GU10 Type Lamps ONLY - Minimum 4W - Maximum 240W			
GL6 DMBP250CFL	250 W CFL Dimmer Module "GREEN/YELLOW"	20	
GL6 DMBP350BETA	350 W LED Dimmer Module (5.3) "YELLOW"	20	
GL6 DMBP350TE	350 W Trailing Edge Module "RED"	20	
GL6 DMBP500	500 / 400W Dimmer Module "BLUE"	20	
GL6 DMBP800	800 / 600W Dimmer Module "BLUE"	20	
GL6 DMBP1000	1000 / 800W Dimmer Module "BLUE"	10	

TECHNICAL DATA - REFER TO PAGE 204

#### FOR STANDARD INSTALLATIONS Bell Press Dimmer Drawing for Single & Multiple Units



#### FOR NON-STANDARD INSTALLATIONS In Event The Live Conductor Is In A Remote Box



## TOOLS

- CRIMPERS
- CABLE CUTTERS
- WIRE STRIPPERS
- DIN RAIL CUTTER

## TOOLS



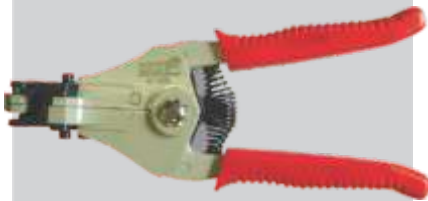
**GL7 CC325 - HAND-HELD CABLE CUTTER**  
Up to 150mm Copper and Aluminium Cable



**GL7 HS250 - HAND-HELD CABLE CUTTER**  
Up to 240mm Copper and Aluminium Cable



**GL7 HS700D - WIRE STRIPPER**  
For wire size: 1mm up to 3.2mm



**GL7 HY369B - WIRE STRIPPER**  
For wire size: 1mm up to 3.2mm



**GL7 HS30J - INSULATED CRIMPING PLIERS**  
For wire size: 0.5mm, 1mm, 1.5mm, 2.5mm, 4mm, 6mm, 10mm



**GL7 DG1 - UNINSULATED CRIMPING PLIERS**  
For wire size 0.5mm, 1mm, 1.5mm, 2.5mm, 4mm, 6mm, 10mm



**GL7 HD25L - CRIMPING PLIERS**  
For wire size 5.5mm up to 25mm



**GL7 JY16120 - MECHANICAL CRIMPING PLIERS**  
For wire size: 16mm - 120mm Hexagonal Crimp



**GL7 YQK240 - HYDRAULIC CRIMPING PLIERS**  
For wire size: 16mm - 240mm Hexagonal Crimp  
Complete with dies



**NEW**

### GL7 TSKY14 - HYDRAULIC PUNCH & DIE SET

This hand operated punch and die set is complete in a sheet steel case. A set of round and square punches is included in the set. Suitable for cutting Mild Steel of up to 3mm thick.

#### Square Punch & Die

45 x 45 for 48<sup>2</sup> Instruments  
68 x 68 for 72<sup>2</sup> Instruments  
92 x 92 for 96<sup>2</sup> Instruments

#### Round Punch Die

Diameter 22 mm  
35 mm  
40 mm  
50 mm



**TOOLS**

- PREMIER SCREW DRIVERS
- MINI, SUPER BRIGHT & HEADLAMP TORCHES
- NEON & AUTOMOTIVE TESTERS

**PREMIUM  
QUALITY**

**MAXTORQUE**<sup>®</sup>  
*Supreme*







High Mode



- Aircraft aluminium body, drop resistant with type II anodizing finish to protect surface
- 5mm LED, up to 100000 hours life time
- Head rotation switch
- IPX4 water resistant
- Length: 70mm
- Weight: 18g (excl Battery)



\* Battery not included



High Mode



Intensity



\* Batteries not included

- USA 3W CREE LED, up to 50000 hours lifetime
- Tail on/off switch with 10000 cycle lifetime
- IPX4 water resistant and impact resistant lens
- Aircraft aluminium body, drop resistant with type II anodizing finish to protect surface
- Length: 126.5mm
- Weight: 124.5g (excl batteries)



High Mode



Low Mode



Water Resistant



Drop Resistant



Beam Distance



Intensity

- 1 x AA Battery
- Multi lighting modes
- Mini size, very light weight and easy to carry
- Head switch
- IPX4 water resistant and impact resistant lens
- Aircraft aluminium body, drop resistant with type II anodizing finish to protect surface
- Length: 89mm
- Weight: 30g (excl Battery)



\* Battery not included





- Comfortable grip with rotary basecap
- CRV material 50~55 HRC black tip
- Handle ABS & TPE
- ABS Case
- Ideal for use with glasses, cameras, watches, electronics, computers and small appliances

Included in the set:  
Slotted: 1.4mm, 2.0mm, 2.4mm, 3.0mm  
Philips: PH0, PH1

- Comfortable handle with rotary base
- Convenient storage case with rotatable hanger
- Premium quality CRV material 54 ~ 58 HRC and rotary cap

Included in the set:  
Slotted 1.4mm, 2.0mm, 3.0mm  
Torx T4, T5, T6, T8  
Philips PH0, PH00, PH000



- Includes Stubby handle, 33 bit set and a Magnetic extension bit holder

Included in the set:  
Torx: T4, T5, T6, T7, T8, T9, T10, T15, T20, T25, T30  
Philips: PH0, PH1, PH2, PH3  
Slotted: 3.0, 4.0, 5.0, 6.0  
Y: 1, 2, 3  
■ : S1, S2  
U : 2, 4, 6  
Hex: H2, H2.5, H3.0, H4.0; H5.0, H6.0





**1000V certified**

- Superior slip resistant "Tyre-Grip" handle
- Premium Quality CRV Blade
- 54~58 HRC
- Black magnetic tip
- 23% strength saving

Included in the set:  
 3 x Slotted 3.0mm x 75mm  
 3 x Philips PH2 x 100mm



## 7 Piece "Tyre-Grip" 1000V Insulated Screwdriver Set

**1000V certified**

- 1000V certification
- Superior slip resistant "Tyre-Grip" handle
- Includes Multifunctional Neon tester (SDVT1)
- CRV material 54 ~ 58HRC
- Black magnetic tip
- 23% Strength saving

Included in the set:  
 Slotted: 3.0 x 75mm, 4.0 x 100mm,  
 5.5 x 125mm  
 Philips: PH0 x 60mm, PH1 x 75mm,  
 PH2 x 100mm  
 Neon Tester



## - 8 Piece "Tyre-Grip" Engineering Screwdriver Set

- Slip resistant "Tyre-Grip" handle
- Premium Quality SVCM blade 58~61 HRC
- Strong magnetic black tip
- 23% Strength saving

Included in the set:  
 Slotted: 3.0 x 150mm, 5.0 x 100mm,  
 6.5 x 100mm, 8.0 x 150mm  
 Philips: PH1, PH2  
 POZI: PZ1, PZ2







\* ATTENTION: Product with sharp point, please be careful.  
Keep out of reach of children

- Neon Indicator testing > 30 000 times
- 6 - 24 V DC
- Anti rust tip
- One piece molded insulated blade sheath and transparent plastic handle for maximum safety
- Good quality mini-clip
- Quality insulation AS body
- Length: 145mm - 50~58 HRC

- CE Approved
- Neon lamp 30 000 Times
- Quality insulation AS body
- AS/CRV blade 50~55 HRC
- 100-500 V AC
- 3.0 x 145mm Long



- CE Approved
- CRV material 54~58 HRC
- Neon lamp testing more than 30 000 times
- Length: 4mm x 190mm
- 100-500 V AC
- Quality insulation AS body

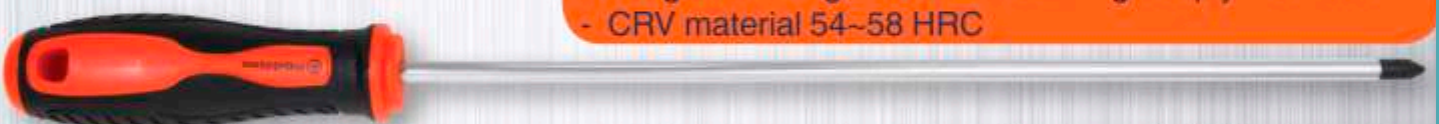


- Steel core transfers strike force from strike cap to Tip
- Slip resistant design handle
- 100% oil resistant

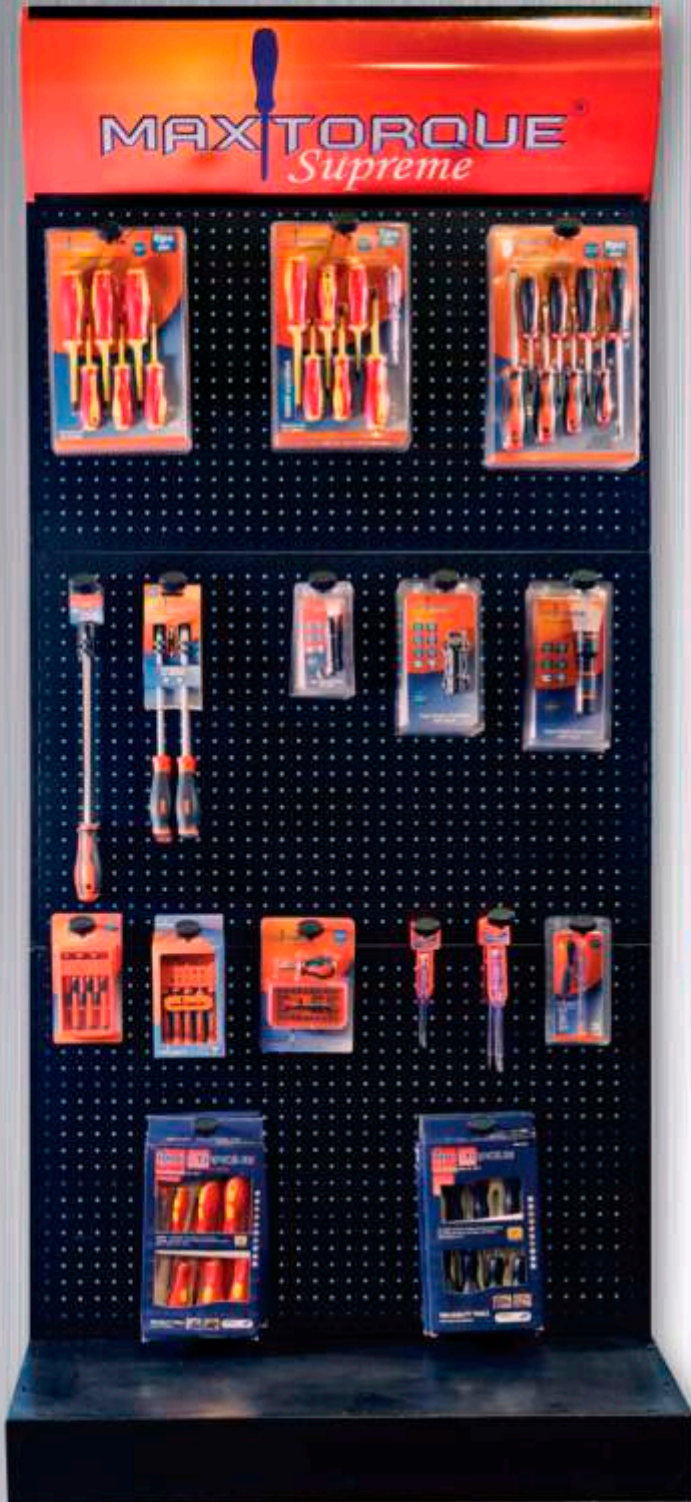
Included in the set:  
Slotted: 8 x 200mm  
Philips: PH2 x 200mm



- PH2 x 300mm Long
- Long blade length ideal for reaching deeply inset screw
- CRV material 54~58 HRC







CODE	DESCRIPTION	QTY
	6 PC 1000V Electrical Screwdriver Set	3
	7 PC 1000V Insulated Screwdriver Set	3
	8 PC Engineering Screwdriver Set	3
	300mm Engineering Screwdriver	4
	2 PC Demolition Screwdriver Set	3
	6 PC Precision Screwdriver Set	3
	10 PC Professional Precision Screwdriver Set	2
	35 PC Multi-Bit Stubby Screwdriver set	3
	DC Automotive Voltage Tester	4
	Neon Voltage Tester 145mm	4
	Neon Voltage Tester 190mm	4
	7 PC 1000V Electrical Screwdriver Set	3
	Professional 7 Piece Engineering Screwdriver Set	3
	Mini-Keyring LED Torch	5
	3W CREE LED High Brightness Torch	3
	2 in 1 LED Head Lamp and Torch	3

POA

**MAX TORQUE Supreme Display Stand  
Complete with Stock Available on Request**

## STANLEY TOOLS

- VDE PLIERS
- RETRACTABLE & MULTI FUNCTIONAL KNIVES
- MEASURING TAPES



### FEATURES

- Safe live line working to 1000V
- Compliant to En60900, IEC/CEI900, VDE 0680
- DIN / ASO / ANSI Compliant

PRODUCT CODE	DESCRIPTION
GL7 TP084002	VDE Combination Pliers 200mm



### FEATURES

- Safe live line working to 1000V
- Compliant to En60900, IEC/CEI900, VDE 0680
- DIN / ASO / ANSI Compliant

PRODUCT CODE	DESCRIPTION
GL7 TP084007	VDE Long Nose Plier 210mm



### FEATURES

- Safe live line working to 1000V
- Compliant to En60900, IEC/CEI900, VDE 0680
- DIN / ASO / ANSI Compliant

PRODUCT CODE	DESCRIPTION
GL7 TP084004	VDE Diagonal Cut Plier 195mm



### FEATURES

- Safe live line working to 1000V
- Compliant to En60900, IEC/CEI900, VDE 0680
- DIN / ASO / ANSI Compliant

PRODUCT CODE	DESCRIPTION
GL7 TP084009	VDE Narrow Nose Cut Plier 160mm



### FEATURES

- Original Retractable Knife



PRODUCT CODE	DESCRIPTION
GL7 TSK210099	Original Retractable Knife



### FEATURES

- Multi-blade and multi-function knife
- 75mm serrated sport blade ideal for home, garden and leisure applications
- Standard utility blade for multi-purpose cutting
- One handed operation blade slide extends the blade easily and quickly
- For security the blades cannot be used simultaneously

PRODUCT CODE	DESCRIPTION
GL7 TQSS10813	Quick Slide Sport Utility Knife



### FEATURES

- Folding lockback design with belt clip to suit
- Ergonomic, rugged design for heavy duty use
- Retractable blade for safety and convenience
- Instant blade change - no tools needed
- Internal blade storage for convenience

PRODUCT CODE	DESCRIPTION
GL7 TS10825	FATMAX Retractable Folding Knife



### FEATURES

- Nylon coating for extra durability
- Bi-material case provide comfortable, anti-slip hold
- Easy to lock with ergonomic designed slider

PRODUCT CODE	DESCRIPTION
GL7 TT301308	Measuring Tape White Series 3M x 13mm
GL7 TT301328	Measuring Tape White Series 5M x 19mm
GL7 TT301418	Measuring Tape White Series 8M x 25mm



## STANLEY TOOLS

- MULTI TOOL
- INSULATED SCREWDRIVER SET
- CLAW HAMMERS
- HACKSAW & SPIRIT LEVELS
- TOOL & COMPUTER BAG



### FEATURES

- Long Nose Pliers, Curve Jaw Pliers, Wire Cutter, Saw, Phillips Screwdriver, Standard Screwdrivers (1/4", 5/16", 1/8"), Small Knife, Large Knife, Bottle Opener, File & Pliers

PRODUCT CODE	DESCRIPTION
GL7 TSTMT084519	Multi-Tool 12-1



### FEATURES

- Offering a practical mini version of Multi-Tool: Saw, Knife, Ph1 Screwdriver, Flat Screwdriver, Can Opener, File & Pliers

PRODUCT CODE	DESCRIPTION
GL7 TSTHT07648	Mini Multi-Tool 7-1



### FEATURES

- 100% individually tested to 1000 Volts reduced fatigue
- Chrome vanadium steel bar allows for high torque and reduces the chance of tip breakage
- Handle moulded direct onto bar to form a virtually un-breakable bond
- 6 Pieces: 3 x Phillips Torque 3 x Flat

PRODUCT CODE	DESCRIPTION
GL7 TSDF06544	FATMAX Insulated Screwdriver Set



### FEATURES

- Pushlock adjustment button
- Drop forged construction for added strength
- 17 Button locked positions for precision

PRODUCT CODE	DESCRIPTION
GL7 TGJP084649	FATMAX Groove Joint Plier 300mm



### FEATURES

- Hacksaw as aluminium, capable of 90 / 55 blade angle installation of two
- Blade size 300mm
- Strong Locking Device

PRODUCT CODE	DESCRIPTION
GL7 THS15166	Pro Steel-Frame Hacksaw



### FEATURES

- I-beam profile
- Injection moulded ABS body lightweight and shock resistant
- 3 high visibility tubular vials level, plumb and 45
- Metric graduation on bottom face for convenience
- Accuracy +/- 2mm

PRODUCT CODE	DESCRIPTION
GL7 TSL42475	Spirit Level ABS Foam - Cast 450mm

### FEATURES

- Tool back pack
- 600 x 600 denier fabric
- Detachable divider
- Padded back
- Separate Compartment
- For ergonomic, convenient carriage
- Keeps Power Tools and Laptop safe



PRODUCT CODE	DESCRIPTION
GL7 TBP195611	FATMAX Backpack Toolbag



### FIBRE GLASS

#### FEATURES

- Forged Hi-Carbon Steel heads, fully heat treated and polished bell face
- Different materials and grips to suit a variety of users and jobs

### ANTIVIBE FEATURES

- 1 Piece forged steel hammer - with proprietary tuning form technology
- 25% larger strike face - reduced for balance and feel
- New soft grip design for better grip, comfort and vibration absorption
- Nail Leader Pre Strike Feature

PRODUCT CODE	DESCRIPTION
GL7 TH51164	FATMAX Claw Hammer Extreme Antivibe 570g LIST PRICE: R778.00
GL7 TH51071	Claw Hammer (Fibre Glass) 450g



- CORDLESS DRILL
- HAMMER DRILL
- SDS HAMMER DRILL
- ANGLE GRINDER



### FEATURES

- 40min Charger
- Magnetic Storage bits
- 2 x Batteries
- Belt Hook
- Kit Box
- 1 x Screwdriver Bit

VOLTAGE	18v
BATTERY CAPACITY	Li-Ion 1.5Ah
NO LOAD SPEED	0-350/0-1500rpm
IMPACTS PER MINUTE	6000/25,500 ipm
MAX. DRILLING CAPACITY (WOOD)	38mm
MAX. DRILLING CAPACITY (METAL)	13mm
MAX. DRILLING CAPACITY (MASONARY)	13mm
CHARGE TIME	40min

PRODUCT CODE	DESCRIPTION
GL7 TFCM620LB	FATMAX Hammer Drill 18V Lithium Cordless



POWER	750w
CHUCK CAPACITY	1.5 - 13mm
NO LOAD SPEED	0-3, 100rpm
IMPACTS PER MINUTE	52, 700ipm
MAX. DRILLING CAPACITY (WOOD)	32mm
MAX. DRILLING CAPACITY (METAL)	13mm
MAX. DRILLING CAPACITY (MASONARY)	16mm

### FEATURES

- Side Handle with depth stop
- 4m Rubber Cable
- Kit Box

PRODUCT CODE	DESCRIPTION
GL7 TFME140K	FATMAX 1 Gear Hammer Drill 750W



POWER	750w
CHUCK CAPACITY	1.5 - 13mm
NO LOAD SPEED	0 - 1050rpm
IMPACTS PER MINUTE	0-5200ipm
MAX. DRILLING CAPACITY (WOOD)	30mm
MAX. DRILLING CAPACITY (METAL)	13mm
MAX. DRILLING CAPACITY (MASONARY)	26mm
TOOL HOLDER	SDS Plus

### FEATURES

- Side Handle with depth stop
- 1 x 8mm & 1 x 10mm x 110mm SDS + Bits
- 14mm x 250mm SDS + Chisel
- Chuck & SDS + Rotary Drilling
- 4M Rubber Cable
- Kit Box

PRODUCT CODE	DESCRIPTION
GL7 TFME500K	FATMAX SDS Plus Hammer Drill 750w



POWER	2200w
MAX. DISC	230mm
NO LOAD SPEED	6500rpm
ADDITIONAL FEATURE	Safety Switch

### FEATURES

- Side Handle with Spanner
- Carry Case
- 3 x Grinding Discs

PRODUCT CODE	DESCRIPTION
GL7 TFME841K	FATMAX Angle Grinder 230mm - 2200W

- DIGITAL MULTIMETERS
- POCKET SIZE
- DIY
- ECONOMY & PROFESSIONAL



**NEW** POCKET SIZE DIGITAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- Resistance ( $\Omega$ )
- Capacitance (F)
- Frequency (Hz)
- Auto Range

ce

CAT II 600V

EN: 61010-1  
EN: 61326-1



DIY MULTIMETER PALM SIZE DIGITAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- DC Current (A)
- Resistance ( $\Omega$ )
- Temperature ( $^{\circ}$ C)
- Temperature ( $^{\circ}$ F)

ce

CAT I 600V

CAT II 300V

EN: 61010-1  
EN: 61326-1



ECONO ELECTRICIANS AUTO RANGE DIGITAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- DC Current (A)
- AC Current (A)
- Resistance ( $\Omega$ )
- Temperature ( $^{\circ}$ C)
- Frequency (Hz)

ce

CAT II 500V

EN: 61010-1  
EN: 61326-1



ECONO ELECTRICIANS MODERN DIGITAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- DC Current (A)
- AC Current (A)
- Resistance ( $\Omega$ )
- Capacitance (F)
- Temperature ( $^{\circ}$ C)
- Temperature ( $^{\circ}$ F)
- Frequency (Hz)
- **Auto Sensor Backlight**

ce

CAT I 1000V

CAT II 600V

EN: 61010-1  
EN: 61326-1



ECONO ELECTRICIANS GENERAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- DC Current (A)
- AC Current (A)
- Resistance ( $\Omega$ )
- Capacitance (F)
- Frequency (Hz)
- Temperature ( $^{\circ}$ C)
- Full Icon Display
- Input Impedance for DCV

ce

CAT II 1000V

CAT III 600V

EN: 61010-1  
EN: 61326-1



PROFESSIONAL MULTIMETER MODERN DIGITAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- DC Current (A)
- AC Current (A)
- Resistance ( $\Omega$ )
- Capacitance (F)
- Temperature ( $^{\circ}$ C)
- Temperature ( $^{\circ}$ F)
- Frequency (Hz)
- RS232 Interface Cable
- PC Software CD
- Point Contact Temp. Probe

ce

CAT III 1000V

CAT IV 600V

EN: 61010-1  
EN: 61326-1



ECONO ELECTRICIANS GENERAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- DC Current (A)
- AC Current (A)
- Resistance ( $\Omega$ )
- Capacitance (F)
- Frequency (Hz)
- Temperature ( $^{\circ}$ C)

ce

CAT I 1000V

CAT II 600V

EN: 61010-1  
EN: 61326-1



PROFESSIONAL MULTIMETER HIGH ACCURACY DIGITAL MULTIMETER

**SPECIFICATIONS:**

- DC Voltage (V)
- AC Voltage (V)
- DC Current (A)
- AC Current (A)
- Resistance ( $\Omega$ )
- True RMS
- Capacitance (F)
- Temperature ( $^{\circ}$ C)
- Temperature ( $^{\circ}$ F)
- Frequency (Hz)
- Power (W)
- PC Software CD

**Smart phone application:**

iDMM-work with UT-D07A Smart Bluetooth Adaptor  
Download at both Apple & Android Stores

GL7 MUT71E

ce

CAT II 1000V

CAT III 600V

EN: 61010-1  
EN: 61326-1

- INSULATION RESISTANCE
- MULTI FUNCTION INSULATION
- LUX METER
- VOLTAGE DETECTORS



### INSULATION RESISTANCE HANDHELD MULTIMETER

#### SPECIFICATIONS:

- DC Voltage 1kV (V)
- AC Voltage 1kV (V)
- Ins. Resistance 40MΩ
- Test Voltage 1kV
- Capacitance (F)
- Frequency (Hz)
- Temperature (-40 - 537°C)
- Temperature (-40 - 998°F)
- Auto Range
- True RMS
- Data Logging

GL7 MUT533



EN: 61010-1  
EN: 61326-1



### INSULATION RESISTANCE TESTER

#### SPECIFICATIONS:

- DC Voltage 1kV (V)
- AC Voltage 750v (V)
- Ins. Resistance 20GΩ
- Test Voltage 2.5kV
- Auto Range

GL7 MUT502



EN: 61010-1  
EN: 61326-1



### INSULATION RESISTANCE TESTER

#### SPECIFICATIONS:

- DC Voltage 600v (V)
- AC Voltage 600v (V)
- Ins. Resistance 1000GΩ
- Test Voltage 5kV
- Auto Range
- Data Logging
- USB Interface
- Timer (15min)
- PC Software + Cable

GL7 MUT513



EN: 61010-1  
EN: 61326-1



### MULTI FUNCTION INSULATION TESTER

Insulation Resistance + Earth Ground Tester  
Combined in One Unit

#### SPECIFICATIONS:

- DC Voltage 600v (V)
- AC Voltage 600v (V)
- Ins. Resistance 1GΩ
- Ground Resistance 4MΩ
- Test Voltage 1kV
- Capacitance (F)
- Frequency (Hz)
- Auto Range
- Data Logging

GL7 MUT529C



EN: 61010-1  
EN: 61326-1



### MULTI FUNCTION INSULATION TESTER

Insulation Resistance + Loop Impedance + ELU Tester  
Combined in One Unit

#### SPECIFICATIONS:

- AC Voltage 440v (V)
- Ins. Resistance 1MΩ
- Loop Impedance 2KΩ
- Loop PFC Range 26kA
- Line Impedance 2KΩ
- Line PFC Range 26kA
- RCD Range 10-500mA
- Phase Seq. Test
- Data Logging

GL7 MUT593



EN: 61010-1  
EN: 61326-1



### LUX METER ILLUMINOMETER

#### SPECIFICATIONS:

- Illuminance Measurement (LUX) 20-20 000 LUX
- Illuminance Measurement (FC) 2-2000 FC
- Auto Range
- Data Hold
- Data Logging - USB Cable + PC Software
- USB Interface - Auto Record - Real Time Clock

GL7 MUT382



EN: 61326-1



### AC VOLTAGE DETECTOR NON-CONTACT

#### SPECIFICATIONS:

- AC Voltage 1kV (V)
- Frequency (Hz)
- Flashing LED Light Indicator
- Beeper Indicator (Audio)
- Pocket Size

GL7 MUT12A



EN: 61010-1  
EN: 61326-1  
EN: 61243-3



### VOLTAGE DETECTOR WATERPROOF TYPE

#### SPECIFICATIONS:

- DC Voltage 48v (V)
- AC Voltage 520v (V)
- Phase Rotation Test
- Single Lead Voltage Detection
- Continuity Test - Beeper & LED Indicator
- Polarity Detection
- Waterproof Ip65
- Auto Range
- Working Light

GL7 MUT15C



EN: 61010-1  
EN: 61326-1  
EN: 61243-3





### DIGITAL CLAMP METER HANDHELD 400 - 600A

#### SPECIFICATIONS:

- DC Voltage 600v (V)
- AC Voltage 600v (V)
- AC Current 20-600A
- Resistance 20MΩ
- Data Hold
- Jaw Capacity 28mm
- Max/Min Mode

■ GL7 MUT202A

ce

CAT II  
600V

CAT III  
300V

EN: 61010-1  
EN: 61326-1  
EN: 61010-2-032



### DIGITAL CLAMP METER HANDHELD 400 - 600A

#### SPECIFICATIONS:

- DC Voltage 600v (V)
- AC Voltage 600v (V)
- DC Current 400A (A)
- AC Current 400A (A)
- Resistance 40MΩ
- Relative Mode
- Capacitance (F)
- Frequency (Hz)
- Auto Range
- True RMS
- Data Hold
- Jaw Capacity 28mm

■ GL7 MUT204

ce

CAT II  
600V

CAT III  
300V

EN: 61010-1  
EN: 61326-1  
EN: 61010-2-032



### DIGITAL CLAMP METER HANDHELD 1000A

#### SPECIFICATIONS:

- DC Voltage 600v (V)
- AC Voltage 600v (V)
- AC Current 1000A (A)
- Resistance 40MΩ
- Temperature (-40°-1000°C)
- Frequency (Hz)
- Auto Range
- Data Hold
- Jaw Capacity 40mm
- Relative Mode

■ GL7 MUT206A

ce

CAT II  
600V

CAT III  
300V

EN: 61010-1  
EN: 61326-1  
EN: 61010-2-032



### DIGITAL CLAMP METER HANDHELD 1000A

#### SPECIFICATIONS:

- DC Voltage 600v (V)
- AC Voltage 600v (V)
- DC Current 1000A (A)
- AC Current 1000A (A)
- Resistance 66MΩ
- Temperature (-40 -1000°C)
- Temperature (-40 -1832°F)
- Frequency (Hz)
- Auto Range
- True RMS
- Data Hold
- Jaw Capacity 55mm
- Max/Min Mode

■ GL7 MUT208

ce

CAT II  
600V

CAT III  
300V

EN: 61010-1  
EN: 61326-1  
EN: 61010-2-032

**NEW**



### DIGITAL CLAMP METER POWER & HARMONICS

#### SPECIFICATIONS:

- AC Voltage 600v (V)
- AC Current 1000A (A)
- Frequency (Hz)
- Active Power 600kW (W)
- Apparent Power 600kVA (VA)
- Reactive Power 600 KVA (Var)
- Power Factor 0.3-1
- Harmonic Analysis
- Phase Rotation Test
- Phase Angle 0-360°
- Active Energy 1-999KWh
- Auto Range
- Jaw Capacity 50mm
- True RMS
- Data Hold - Data Logging
- USB Interface+PC Software
- Max/Min Mode

■ GL7 MUT243

ce

CAT III  
600V

CAT IV  
300V

EN: 61010-1  
EN: 61326-1  
EN: 61010-2-032

**NEW**



### DIGITAL MINI CLAMP METER HANDHELD 200A

#### SPECIFICATIONS:

- AC Current Range: 2A/20A/200A
- Jaw 17mm
- Data Storage
- LCD Back Light
- Auto Power Off
- Low Battery Indication
- Input Protection

■ GL7 MUT210A

CAT II  
600V

CAT III  
300V

EN: 61326-1

ce

**NEW**



### DIGITAL CLAMP METER HANDHELD 600A TRUE RMS

#### SPECIFICATIONS:

- DC Voltage 1000v (V)
- AC Voltage 750v (V)
- DC Current 600A (A)
- AC Current 600A (A)
- Resistance 60MΩ
- Relative Mode
- Capacitance (60mF)
- Frequency (1 MHz)
- Auto Range
- True RMS
- Data Hold
- Jaw Capacity 28mm
- Temperature (-40°-1000°C)
- Temperature (-40°-1832°F)
- Non Contact Voltage Feature

■ GL7 MUT216C

ce

CAT II  
1000V

CAT III  
600V

EN: 61010-1  
EN: 61326-1  
EN: 61010-2-032

**NEW**



### DIGITAL MINI CLAMP METER HANDHELD 200A

#### SPECIFICATIONS:

- AC Current Range: 2A/20A/200A
- Jaw 17mm
- True RMS
- Non Contact Voltage Feature
- Data Storage
- LCD Back Light
- Auto Power Off
- Low Battery Indication
- Input Protection

■ GL7 MUT210B

CAT II  
600V

CAT III  
300V

EN: 61326-1

ce



**NEW**

### DIGITAL MINI CLAMP METER HANDHELD 100A



**SPECIFICATIONS:**

- AC Current Range: 2A/10A/100A
- Jaw 17mm
- DC Current 100 A (A)
- AC Voltage 600V (V)
- DC Voltage 600V (V)
- Resistance 20MΩ
- Capacitance 20 Mf
- True RMS
- Continuity Buzzer

■ GL7 MUT210E

ce

CAT II  
600V

CAT III  
300V

EN: 61010-1

**NEW**

### DIGITAL MINI CLAMP METER HANDHELD 60A



**SPECIFICATIONS:**

- AC Current Range: 60A
- Jaw 17mm
- DC Current 100 A (A)
- AC Voltage 600V (V)
- DC Voltage 600V (V)
- Resistance 20MΩ
- Capacitance 60 Mf
- True RMS
- Continuity Buzzer
- Non-Contact Voltage Feature

■ GL7 MUT211A

ce

CAT II  
600V

CAT III  
300V

EN: 61010-1



### INFRARED THERMOMETER METERS

**SPECIFICATIONS:**

- Temperature Range (-20 - 400°C)
- Temperature Range (-4 - 752°F)
- Distance to Spot Size 12:1
- Emissivity 0.10-1.0 Adjustable
- Laser Type Class 2 (II)
- Laser Power <1mW
- Laser Wavelength 630 - 670nm
- Data Hold
- Display Hold - 8seconds
- Max/Min Mode
- High Alarm
- Low Alarm

■ GL7 MUT300C

ce

EN: 61326-1



### INFRARED THERMAL IMAGING METERS

**SPECIFICATIONS:**

- Resolution 160x120 pixels
- Field of View /Minimum Focus Distance 20°x15°/0.1m
- Temperature Range -20°C - 300°C
- 2.8" TFT Rotatable LCD Display
- Image Adjustment: Auto/Manual
- Image Storage: 2GB SD Card (Support up to 16GB)
- Includes standard accessories & software CD

■ GL7 MUTi160A

ce

EN: 61326-1



### INFRARED THERMOMETER METERS

**SPECIFICATIONS:**

- Temperature Range (-18 - 350°C)
- Temperature Range (0 - 662°F)
- Distance to Spot Size 12:1
- Emissivity 0.10-1.0 Adjustable
- Laser Type Class 2 (II)
- Laser Power <1mW
- Laser Wavelength 630 - 670nm
- Data Hold
- Display Hold - 8seconds
- Max/Min Mode
- DIFF Mode
- AVG Mode
- Electricity Cut-Off Memory

■ GL7 MUT301A

ce

EN: 61326-1



### INFRARED THERMAL IMAGING METERS

**SPECIFICATIONS:**

- Resolution 160x120 pixels
- Field of View /Minimum Focus Distance 20°x15°/0.1m
- Temperature Range -20°C - 300°C
- 3.5" TFT Rotatable LCD Display
- Image Adjustment: Auto/Manual
- Image Storage: 2GB SD Card (Support up to 16GB)
- Includes standard accessories & software CD

■ GL7 MUTi160B

ce

EN: 61326-1

### SOUND LEVEL METER AUDIO METER

**SPECIFICATIONS:**

- Range 30 - 130dB
- Frequency (Hz)
- Sample Rate: Fast-8times/s  
Slow-1times/s
- Max/Min Mode
- Data Logging
- Alarm Higher/Lower



■ GL7 MUT352

ce

EN: 61326-1

**APPLICABLE INDUSTRIES**

Electric Power, Construction, Electronics, Smelting, Energy, Railway, Automobile, Petrochemical, etc.



Infrared Thermograph for exterior building walls' heat leakage



Infrared Thermograph for Power Circuit Board



## POWER ANALYSER GL7 MUT285A

The UNI-T Three Phase Power Quality Analyser is a new product specially designed for power quality analysis. It adopts latest microprocessor technology and digital signal processing technology, which can provide safer, more convenient, and more accurate measurement to troubleshoot power supply networks. A portable design enables the user to approach a series of parameters of characterization of power quality, including voltage deviation, frequency deviation, harmonics and inter harmonics, unbalance, swell and sag, flicker as well as transient and surge signals. This data can help users to locate and eliminate existing or potential problems and assist in improving power quality.

## FEATURES

- Conforms to IEC and GB series of national power quality standards.
- The accuracy of power quality conforms to DL/T1028-2006 Verification Regulation of Power Quality Testing and Analysis.
- 85 - 400V AC power supply or built-in Lithium batteries.
- Automatically capture various events. Threshold setting, detailed trigger waveform and event feature record.
- Transient data recording, interval setting. Maximum, minimum and average value saving.
- Offline task setting, and advanced multiple task information and content of different testing points setting.
- Keyboard can assist to capture information of monitoring points more conveniently. Easy dial wheel operation.
- Auto range.
- Standard computer client power quality analysis platform provides excellent follow-up analysis function.

SEE TECHNICAL SPECIFICATIONS ON PAGE 201





## THERMAL IMAGER GL7 FLIRC2

The FLIR C2 is the world's first full-featured, pocket-sized thermal camera designed for building industry experts and contractors. Keep it on you so you're ready anytime to find hidden heat patterns that signal energy waste, structural defects, plumbing issues and more. The C2's must-have features include MSX® real time image enhancement, high sensitivity, a wide field of view, and fully radiometric imagery to clearly show where problems are and verify the completion of repairs.

### POCKET PORTABLE

*Keep it on you and at your side, ready for immediate use so you don't miss an opportunity*

- Light, slim profile fits comfortably in any work pocket
- Brilliant 3" intuitive touch screen with auto orientation for easy viewing
- Built-in LED spotlight you can use as a flashlight and for photo illumination

### FEATURES

*Save thermal image JPEGs instantly, then conveniently adjust and analyze them later with FLIR Tools to isolate temperature measurements on any pixel and create convincing reports*

- MSX-enhanced thermal images provide stunning detail to help you identify problem areas easier
  - Radiometric image stores 4800 pixels capable of capturing thermal measurements from -10°C to 150°C
  - A wide FOV frames what professionals need to see and high thermal sensitivity detects subtle temperature differences common in building applications
  - FLIR Tools professional reporting software included – the industry standard in thermal image post analysis
  - Streaming video via FLIR Tools, a feature not usually available on low-cost thermal camera systems
- FLIR's unique 2-10 warranty, covering parts and labor for two years and the detector for ten



Warm Drain Pipe in Wall

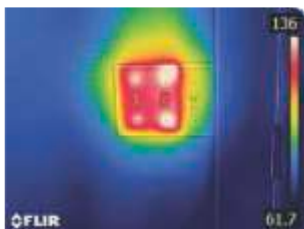
## MSX THERMAL IMAGER GL7 FLIRE4

### WHAT IS MSX?

Multi-Spectral Dynamic Imaging (MSX) for easier interpretation of an image - adds visible spectrum definition to IR images by detecting the edges of objects and including that detail in the thermal image. Text becomes clearly visible so that you can read a label or identifier within the IR image. This exclusive function provides extraordinary thermal detail that instantly highlights and orients problem locations and eliminates the need to refer back to a visual image for detail.

### FEATURES

- Display: 3" color LCD
- On-board 640 x 480 Digital Camera
- Easy-to-use, weighs only 1.2lbs
- Accuracy +/- 2% or 2°C
- File format: Radiometric jpg
- Swappable Li-ion Battery with 4 hour life
- Spot Measurement mode
- Simultaneous storage of IR/Visual/MSX images



Hot Overloaded Dimmer Switch



Uninsulated Outside Wall



**SEE TECHNICAL  
SPECIFICATIONS  
FOR C2 & E4  
ON PAGE 202 & 203**



## DISTRIBUTION BOARDS - FLUSH DIN

- FLUSH DIN DOMESTIC TYPE - STEEL TRAY
- FLUSH DIN DOMESTIC TYPE - PVC TRAY
- FLUSH SU ARCHITRAVE TYPE
- ACCESSORIES

- **Material: Polycarbonate & Galvanised Steel**
- **Available in Adjustable & Non-Adjustable Flush DIN**
- **Ideal for Domestic, Commercial and Industrial installations**

### FLUSH DIN DISTRIBUTION BOARDS

PART NUMBER	DESCRIPTION	TRAY	COVER	DIMENSIONS (H) x (W) x (D)	IP RATE	LIST PRICE
-------------	-------------	------	-------	----------------------------	---------	------------

#### ONESTO - FULLY ADJUSTABLE - STEEL GALVANISED TRAY - PVC COVER - FLUSH DIN

GL8 DBFSP0112	12 Way Flush (1 x 12 W)	Steel	PVC	250 x 185 x 70	IP41	
GL8 DBFSP0115	15 Way Flush (1 x 15 W)	Steel	PVC	310 x 190 x 70	IP41	
GL8 DBFSP0118	18 Way Flush (1 x 18 W)	Steel	PVC	360 x 220 x 80	IP41	

#### ONESTO - SPARE FRONT COVERS FOR ABOVE

GL8 DBFSP0112C	12 Way Flush (1 x 12 W)	Steel	PVC	250 x 185 x 70	IP41	
GL8 DBFSP0115C	15 Way Flush (1 x 15 W)	Steel	PVC	310 x 190 x 70	IP41	
GL8 DBFSP0118C	18 Way Flush (1 x 18 W)	Steel	PVC	360 x 220 x 80	IP41	

#### SEMI-ADJUSTABLE - STEEL TRAY - PVC COVER - FLUSH DIN

GL8 DBFSP112	12 Way Flush (1 x 12 W)	Steel	PVC	250 x 185 x 70	IP41	
GL8 DBFSP115	15 Way Flush (1 x 15 W)	Steel	PVC	310 x 190 x 70	IP41	
GL8 DBFSP118	18 Way Flush (1 x 18 W)	Steel	PVC	360 x 220 x 80	IP41	
GL8 DBFSP212	24 Way Flush (2 x 12 W)	Steel	PVC	300 x 345 x 85	IP41	
GL8 DBFSP312	36 Way Flush (3 x 12 W)	Steel	PVC	340 x 500 x 90	IP41	

#### SEMI-ADJUSTABLE - PVC TRAY - PVC COVER - FLUSH DIN

GL8 DBFPP106	6 Way Flush (1 x 6 W)	PVC	PVC	150 x 200 x 66	IP41	
GL8 DBFPP108	8 Way Flush (1 x 8 W)	PVC	PVC	184 x 200 x 66	IP41	
GL8 DBFPP110	10 Way Flush (1 x 10 W)	PVC	PVC	222 x 200 x 66	IP41	
GL8 DBFPP112	12 Way Flush (1 x 12 W)	PVC	PVC	256 x 200 x 66	IP41	
GL8 DBFPP115	15 Way Flush (1 x 15 W)	PVC	PVC	310 x 200 x 66	IP41	
GL8 DBFPP118	18 Way Flush (1 x 18 W)	PVC	PVC	365 x 220 x 76	IP41	
GL8 DBFPP212	24 Way Flush (2 x 12 W)	PVC	PVC	340 x 365 x 76	IP41	
GL8 DBFPP312	36 Way Flush (3 x 12 W)	PVC	PVC	440 x 255 x 76	IP41	

#### ONESTO - ADJUSTABLE STEEL GALVANISED TRAY - STEEL HINGED DOOR - FLUSH DIN

GL8 DBFSSHO116	16 Way Flush (1 x 16 W)	Steel	Steel	326 x 465 x 115	IP44	
GL8 DBFSSHO216	32 Way Flush (2 x 16 W)	Steel	Steel	476 x 465 x 115	IP44	
GL8 DBFSSHO316	48 Way Flush (3 x 16 W)	Steel	Steel	626 x 465 x 115	IP44	
GL8 DBFSSHO416	64 Way Flush (4 x 16 W)	Steel	Steel	776 x 465 x 115	IP44	
GL8 DBFSSHO516	80 Way Flush (5 x 16 W)	Steel	Steel	926 x 465 x 115	IP44	
GL8 DBFSSHO616	96 Way Flush (6 x 16 W)	Steel	Steel	1076 x 465 x 115	IP44	



- FLUSH ECONO DOMESTIC TYPE
- FLUSH ADJUSTABLE
- RIPPLE RELAY TYPE

- *Material: Mild Steel Powder Coated & Galvanised Tray*
- *Available in Economy and Adjustable (Small, Medium & Large Range)*
- *Ideal for Domestic, Commercial & Industrial installations*
- *Adjustable Trays with conduit knockouts*
- *IP51 Rating*

### FLUSH DIN & MINI RAIL DISTRIBUTION BOARDS

PART NUMBER	DESCRIPTION	MODULES	TRAY SIZE (H) x (W) x (D)	LIST PRICE
-------------	-------------	---------	---------------------------	------------

#### FLUSH MOUNT - ECONO - DISTRIBUTION BOARD - STEEL - DIN - *INCLUDING TRAY*

GL8 DBFSS106D	6 Way Flush	1 x 6 Way	250 x 200 x 80 mm	
GL8 DBFSS109D	9 Way Flush	1 x 9 Way	250 x 250 x 80 mm	
GL8 DBFSS112D	12 Way Flush	1 x 12 Way	250 x 300 x 80 mm	
GL8 DBFSS115D	15 Way Flush	1 x 15 Way	250 x 350 x 80 mm	
GL8 DBFSS118D	18 Way Flush	1 x 18 Way	250 x 400 x 80 mm	
GL8 DBFSS121D	21 Way Flush	1 x 21 Way	250 x 450 x 80 mm	
GL8 DBFSS124D	24 Way Flush	1 x 24 Way	250 x 500 x 80 mm	

#### FLUSH MOUNT - ECONO - DISTRIBUTION BOARD - STEEL - MINI RAIL TYPE - *INCLUDING TRAY*

GL8 DBFSS106M	6 Way Flush	1 x 6 Way	250 x 175 x 80 mm	
GL8 DBFSS108M	8 Way Flush	1 x 8 Way	250 x 200 x 80 mm	
GL8 DBFSS112M	12 Way Flush	1 x 12 Way	250 x 250 x 80 mm	
GL8 DBFSS116M	16 Way Flush	1 x 16 Way	250 x 250 x 80 mm	
GL8 DBFSS120M	20 Way Flush	1 x 20 Way	250 x 300 x 80 mm	
GL8 DBFSS124M	24 Way Flush	1 x 24 Way	250 x 350 x 80 mm	
GL8 DBFSS128M	28 Way Flush	1 x 28 Way	250 x 450 x 80 mm	
GL8 DBFSS132M	32 Way Flush	1 x 32 Way	250 x 500 x 80 mm	

#### FLUSH MOUNT - DISTRIBUTION BOARD & CHASSIS - STEEL - SMALL / MEDIUM ADJUST. DIN

GL8 DBFSA115D	15 Way Flush Small	1 x 15 Way	340 x 355mm	
GL8 DBFMA215D	30 Way Flush Medium	2 x 15 Way	565 x 340mm	

**\* PLEASE NOTE - EXCLUDES TRAY**

#### FLUSH MOUNT - DISTRIBUTION BOARD & CHASSIS - STEEL - SMALL, MEDIUM & LARGE - ADJUST. MINI RAIL

GL8 DBFSA120M	20 Way Flush Small	1 x 20 Way	340 x 355mm	
GL8 DBFMA128M	28 Way Flush Med.	1 x 28 Way	565 x 340mm	
GL8 DBFMA220M	40 Way Flush Med.	2 x 20 Way	565 x 340mm	
GL8 DBFLA228M	56 Way Flush Large	2 x 28 Way	565 x 450mm	

**\* PLEASE NOTE - EXCLUDES TRAY**

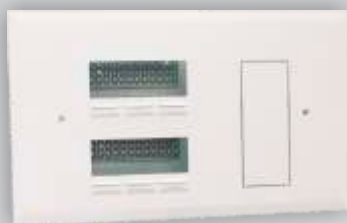
#### FLUSH MOUNT - RIPPLE RELAY DISTRIBUTION BOARD - STEEL - DIN & MINI RAIL *(NO TRAY)*

GL8 DBFSAR114D	14 Way Flush Med.	1 x 14 Way DIN	565 x 340mm	
GL8 DBFSAR212M	24 Way Flush Med.	2 x 12 Way MINI RAIL	565 x 340mm	

**\* PLEASE NOTE - EXCLUDES TRAY**

#### FLUSH MOUNT - GALVANISED ADJUSTABLE TRAYS FOR SMALL, MEDIUM & LARGE BOARDS

GL8 DBFTSA	Small Adjustable Tray	DIN & Mini Rail	310 x 285 x 90 mm	
GL8 DBFTMA	Medium Adjustable Tray	DIN & Mini Rail	485 x 290 x 95 mm	
GL8 DBFTLA	Large Adjustable Tray	DIN & Mini Rail	555 x 290 x 95 mm	



DIN

MINI RAIL

DIN

MINI RAIL

## DISTRIBUTION BOARDS FLUSH

- FLUSH SU ARCHITRAVE - DIN & MINI RAIL
- FLUSH SU ARCHITRAVE TELEPHONE BOARDS
- FLUSH SIDE MOUNT ISOLATOR BOARDS
- FLUSH SU TRAYS

- **Material:** Mild Steel Powder Coated & Galvanised Tray
- **Larger Sizes** to accommodate Project Installations
- **Ideal for Domestic, Commercial & Industrial installations**
- **Adjustable Trays with conduit knockouts**
- **IP51 Rating**

### FLUSH DIN & MINI RAIL DISTRIBUTION BOARDS

PART NUMBER	DESCRIPTION	MODULES	TRAY SIZE (H) x (W) x (D)	LIST PRICE
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#### FLUSH MOUNT - DISTRIBUTION BOARD - STEEL - SU ADJUSTABLE TYPE DIN (NO TRAY)

GL8 DBFSSU0109D	SU0 Flush Architrave	1 x 9 Way	380 x 380 mm	
GL8 DBFSSU1118D	SU1 Flush Architrave	1 x 18 Way	380 x 535 mm	
GL8 DBFSSU2215D	SU2 Flush Architrave	2 x 15 Way	590 x 480 mm	
GL8 DBFSSU3315D	SU3 Flush Architrave	3 x 15 Way	800 x 480 mm	
GL8 DBFSSU4321D	SU4 Flush Architrave	3 x 21 Way	800 x 560 mm	
GL8 DBFSSU5324D	SU5 Flush Architrave	3 x 24 Way	800 x 635 mm	
GL8 DBFSSU6633D	SU6 Flush Architrave	3 x 24 + 3 x 9 Way	800 x 950 mm	
GL8 DBFSSU7639D	SU7 Flush Architrave	3 x 24 + 3 x 15 Way	800 x 1055 mm	

\* PLEASE NOTE - EXCLUDES TRAY

#### FLUSH MOUNT - DISTRIBUTION BOARD - STEEL - SU ADJUSTABLE TYPE MINI RAIL (NO TRAY)

GL8 DBFSSU0112M	SU0 Flush Architrave	1 x 12 Way	380 x 380 mm	
GL8 DBFSSU1124M	SU1 Flush Architrave	1 x 24 Way	380 x 535 mm	
GL8 DBFSSU2220M	SU2 Flush Architrave	2 x 20 Way	590 x 480 mm	
GL8 DBFSSU3320M	SU3 Flush Architrave	3 x 20 Way	800 x 480 mm	
GL8 DBFSSU4328M	SU4 Flush Architrave	3 x 28 Way	800 x 560 mm	
GL8 DBFSSU5332M	SU5 Flush Architrave	3 x 32 Way	800 x 635 mm	
GL8 DBFSSU6644M	SU6 Flush Architrave	3 x 32 + 3 x 12 Way	800 x 950 mm	
GL8 DBFSSU7652M	SU7 Flush Architrave	3 x 32 + 3 x 20 Way	800 x 1055 mm	

\* PLEASE NOTE - EXCLUDES TRAY

#### FLUSH MOUNT - STEEL - POST OFFICE TELEPHONE BOARDS - SU TYPE (INCLUDING TRAY)

GL8 DBFSTSU0	SU0 Flush Post Office Telephone Board		380 x 380 mm	
GL8 DBFSTSU1	SU1 Flush Post Office Telephone Board		380 x 535 mm	
GL8 DBFSTSU2	SU2 Flush Post Office Telephone Board		590 x 480 mm	
GL8 DBFSTSU3	SU3 Flush Post Office Telephone Board		800 x 480 mm	
GL8 DBFSTSU4	SU4 Flush Post Office Telephone Board		800 x 560 mm	
GL8 DBFSTSU5	SU5 Flush Post Office Telephone Board		800 x 635 mm	
GL8 DBFSTSU6	SU6 Flush Post Office Telephone Board		800 x 950 mm	
GL8 DBFSTSU7	SU7 Flush Post Office Telephone Board		800 x 1055 mm	

\* PLEASE NOTE - EXCLUDES TRAY

#### FLUSH MOUNT - SIDE ISOLATOR - DIST. BOARD - STEEL - 3 PHASE - DIN - INCLUDING TRAY-WHITE

GL8 DBFSI312M	Flush Side Isolator Board	100 A	3 x 12 Way	800 x 560 mm
GL8 DBFSI320M	Flush Side Isolator Board	100 A	3 x 20 Way	800 x 635 mm
GL8 DBFSI332M	Flush Side Isolator Board	100 A	3 x 32 Way	800 x 1055 mm

#### FLUSH MOUNT - SIDE ISOLATOR - DIST. BOARD - STEEL - 3 PHASE - MINI RAIL - INCLUDING TRAY-WHITE

GL8 DBFSI309D	Flush Side Isolator Board	100 A	3 x 9 Way	800 x 560 mm
GL8 DBFSI315D	Flush Side Isolator Board	100 A	3 x 15 Way	800 x 635 mm
GL8 DBFSI324D	Flush Side Isolator Board	100 A	3 x 24 Way	800 x 1055 mm

#### FLUSH MOUNT - GALVANISED ADJUSTABLE TRAYS

GL8 DBFTSU0	SU0 Flush Tray		300 x 300 x 110 mm
GL8 DBFTSU1	SU1 Flush Tray		300 x 455 x 110 mm
GL8 DBFTSU2	SU2 Flush Tray		510 x 405 x 110 mm
GL8 DBFTSU3	SU3 Flush Tray		715 x 405 x 110 mm
GL8 DBFTSU4	SU4 Flush Tray		715 x 480 x 110 mm
GL8 DBFTSU5	SU5 Flush Tray		715 x 570 x 110 mm
GL8 DBFTSU6	SU6 Flush Tray		715 x 885 x 110 mm
GL8 DBFTSU7	SU7 Flush Tray		715 x 990 x 110 mm



DIN

MINI RAIL

DIN

MINI RAIL

- SURFACE DIN DOMESTIC TYPE
- SURFACE WEATHERPROOF TYPE
- CIRCUIT BREAKER SHROUDS
- SURFACE DIN INDUSTRIAL TYPE

- **Material: Polycarbonate & Galvanised Steel**
- **Available in Adjustable & Non-Adjustable Surface DIN**
- **Ideal for Domestic, Commercial and Industrial installations**

### SURFACE DIN DISTRIBUTION BOARDS

PART NUMBER	DESCRIPTION	DIMENSIONS (H) x (W) x (D)	IP RATING	LIST PRICE
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#### SURFACE MOUNT - DISTRIBUTION BOARD - PVC

GL8 DBSP102	2 Way Surface (1 x 2 W)	90 x 140 x 85	IP41	
GL8 DBSP104	4 Way Surface (1 x 4 W)	112 x 210 x 85	IP41	
GL8 DBSP106	6 Way Surface (1 x 6 W)	148 x 210 x 85	IP41	
GL8 DBSP108	8 Way Surface (1 x 8 W)	184 x 210 x 85	IP41	
GL8 DBSP110	10 Way Surface (1 x 10 W)	222 x 210 x 85	IP41	
GL8 DBSP112	12 Way Surface (1 x 12 W)	256 x 210 x 85	IP41	
GL8 DBSP115	15 Way Surface (1 x 15 W)	200 x 310 x 85	IP41	
GL8 DBSP118	18 Way Surface (1 x 18 W)	364 x 222 x 85	IP41	
GL8 DBSP212	24 Way Surface (2 x 12 W)	270 x 325 x 85	IP41	
GL8 DBSP312	36 Way Surface (3 x 12 W)	305 x 473 x 95	IP41	
GL8 DBSP315	45 Way Surface (3 x 15 W)	473 x 326 x 95	IP41	

#### SURFACE MOUNT - WEATHERPROOF - DISTRIBUTION BOARD - IP65

GL8 DBSP104W65	4 Way Surface (1 x 4 W)	140 x 210 x 100	IP 65	
GL8 DBSP108W65	8 Way Surface (1 x 8 W)	215 x 210 x 100	IP 65	
GL8 DBSP112W65	12 Way Surface (1 x 12 W)	300 x 260 x 140	IP 65	
GL8 DBSP118W65	18 Way Surface (1 x 18 W)	410 x 285 x 140	IP 65	
GL8 DBSP212W65	24 Way Surface (2 x 12 W)	415 x 300 x 140	IP 65	

#### SURFACE MOUNT - WEATHERPROOF - DISTRIBUTION BOARD - PADLOCKABLE - IP66

GL8 DBSPL104W66	4 Way Surface (1 x 4 W)	195 x 100 x 100	IP 66	
GL8 DBSPL104W66I	4 Way Surface (1 x 4 W) + Trip Indicator	195 x 100 x 100	IP 66	

#### SURFACE MOUNT - SHROUD - PVC - DIN

GL8 SP01	1 Way PVC Shroud (1 x 1 W)		IP41	
GL8 SP02	2 Way PVC Shroud (1 x 2 W)		IP41	
GL8 SP04	4 Way PVC Shroud (1 x 4 W)		IP41	
GL8 SP06	6 Way PVC Shroud (1 x 6 W)		IP41	
GL8 SP08	8 Way PVC Shroud (1 x 8 W)		IP41	

#### SURFACE INDUSTRIAL TYPE - ADJUSTABLE - STEEL HINGED DOOR - ONESTO TYPE

GL8 DBSSHO116	16Way Surface (1 x 16 W)	326 x 465 x 115	IP55	
GL8 DBSSHO216	32Way Surface (2 x 16 W)	476 x 465 x 115	IP55	
GL8 DBSSHO316	48Way Surface (3 x 16 W)	626 x 465 x 115	IP55	
GL8 DBSSHO416	64Way Surface (4 x 16 W)	776 x 465 x 115	IP55	
GL8 DBSSHO516	80Way Surface (5 x 16 W)	926 x 465 x 115	IP55	
GL8 DBSSHO616	96Way Surface (6 x 16 W)	1076x 465 x 115	IP55	

- SURFACE STEEL - 1 PHASE
- SURFACE STEEL - 2 PHASE
- SURFACE STEEL - 3 PHASE
- DIN & MINI RAIL

- **Material: Mild Steel Powder Coated**
- **Ideal for Domestic, Commercial & Industrial installations**
- **Trays with conduit knockouts**
- **IP51 Rating**

### SURFACE DIN & MINI RAIL DISTRIBUTION BOARDS

PART NUMBER	DESCRIPTION	MODULES	TRAY SIZE (H) x (W) x (D)	LIST PRICE
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#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL WHITE - DIN TYPE

GL8 DBSS106D	6 Way Surface	1 x 6 Way	250 x 200 x 70 mm	
GL8 DBSS109D	9 Way Surface	1 x 9 Way	250 x 250 x 70 mm	
GL8 DBSS112D	12 Way Surface	1 x 12 Way	250 x 250 x 70 mm	
GL8 DBSS115D	15 Way Surface	1 x 15 Way	250 x 325 x 70 mm	
GL8 DBSS118D	18 Way Surface	1 x 18 Way	250 x 350 x 70 mm	
GL8 DBSS121D	21 Way Surface	1 x 21 Way	250 x 400 x 70 mm	
GL8 DBSS124D	24 Way Surface	1 x 24 Way	250 x 450 x 70 mm	

DIN

#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL WHITE - MINI RAIL TYPE

GL8 DBSS104M	4 Way Surface	1 x 4 Way	250 x 150 x 70 mm	
GL8 DBSS106M	6 Way Surface	1 x 6 Way	250 x 175 x 70 mm	
GL8 DBSS108M	8 Way Surface	1 x 8 Way	250 x 200 x 70 mm	
GL8 DBSS110M	10 Way Surface	1 x 10 Way	250 x 250 x 70 mm	
GL8 DBSS112M	12 Way Surface	1 x 12 Way	250 x 250 x 70 mm	
GL8 DBSS114M	14 Way Surface	1 x 14 Way	250 x 275 x 70 mm	
GL8 DBSS116M	16 Way Surface	1 x 16 Way	250 x 300 x 70 mm	
GL8 DBSS120M	20 Way Surface	1 x 20 Way	250 x 350 x 70 mm	
GL8 DBSS124M	24 Way Surface	1 x 24 Way	250 x 400 x 70 mm	
GL8 DBSS128M	28 Way Surface	1 x 28 Way	250 x 450 x 70 mm	
GL8 DBSS132M	32 Way Surface	1 x 32 Way	250 x 500 x 70 mm	

MINI RAIL

#### SURFACE MOUNT - DISTRIBUTION BOARD - 2 PHASE - STEEL WHITE - DIN TYPE

GL8 DBSS206D	12 Way Surface	2 x 6 Way	410 x 200 x 70 mm	
GL8 DBSS209D	18 Way Surface	2 x 9 Way	410 x 225 x 70 mm	
GL8 DBSS212D	24 Way Surface	2 x 12 Way	410 x 250 x 70 mm	
GL8 DBSS215D	30 Way Surface	2 x 15 Way	410 x 300 x 70 mm	
GL8 DBSS218D	36 Way Surface	2 x 18 Way	410 x 350 x 70 mm	

DIN

#### SURFACE MOUNT - DISTRIBUTION BOARD - 2 PHASE - STEEL WHITE - MINI RAIL

GL8 DBSS208M	16 Way Surface	2 x 8 Way	410 x 200 x 70 mm	
GL8 DBSS210M	20 Way Surface	2 x 10 Way	410 x 225 x 70 mm	
GL8 DBSS212M	24 Way Surface	2 x 12 Way	410 x 250 x 70 mm	
GL8 DBSS216M	32 Way Surface	2 x 16 Way	410 x 300 x 70 mm	
GL8 DBSS220M	40 Way Surface	2 x 20 Way	410 x 350 x 70 mm	
GL8 DBSS224M	48 Way Surface	2 x 24 Way	410 x 400 x 70 mm	

MINI RAIL

#### SURFACE MOUNT - DISTRIBUTION BOARD - 3 PHASE - STEEL WHITE - DIN TYPE

GL8 DBSS306D	18 Way Surface	3 x 6 Way	580 x 200 x 70 mm	
GL8 DBSS309D	27 Way Surface	3 x 9 Way	580 x 225 x 70 mm	
GL8 DBSS312D	36 Way Surface	3 x 12 Way	580 x 250 x 70 mm	
GL8 DBSS315D	45 Way Surface	3 x 15 Way	580 x 300 x 70 mm	
GL8 DBSS318D	54 Way Surface	3 x 18 Way	580 x 350 x 70 mm	

DIN

#### SURFACE MOUNT - DISTRIBUTION BOARD - 3 PHASE - STEEL WHITE - MINI RAIL

GL8 DBSS308M	24 Way Surface	3 x 8 Way	580 x 200 x 70 mm	
GL8 DBSS310M	30 Way Surface	3 x 10 Way	580 x 225 x 70 mm	
GL8 DBSS312M	36 Way Surface	3 x 12 Way	580 x 250 x 70 mm	
GL8 DBSS316M	48 Way Surface	3 x 16 Way	580 x 300 x 70 mm	
GL8 DBSS320M	60 Way Surface	3 x 20 Way	580 x 350 x 70 mm	
GL8 DBSS324M	72 Way Surface	3 X 24 Way	580 x 400 x 70 mm	

MINI RAIL



- SURFACE SU CABINET BOARDS
- SURFACE WEATHERPROOF CABINET BOARDS
- DIN & MINI RAIL

- *Material: Mild Steel Powder Coated*
- *Ideal for Domestic, Commercial & Industrial installations*
- *Trays with conduit knockouts*
- *IP55 / 65 Rating*

### SURFACE DIN & MINI RAIL DISTRIBUTION BOARDS

PART NUMBER	DESCRIPTION	MODULES	CABINET SIZE (H x (W) x (D))	LIST PRICE
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#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL - SU CABINET - WHITE - DIN TYPE

GL8 DBSSSU0109D	SU0 Surface Cabinet	1x 9 W(9)	325 x 325 x 150 mm	
GL8 DBSSSU1118D	SU1 Surface Cabinet	1x18 W(18)	480 x 325 x 150 mm	
GL8 DBSSSU2215D	SU2 Surface Cabinet	2x15 W(30)	535 x 430 x 150 mm	
GL8 DBSSSU3315D	SU3 Surface Cabinet	3x15 W(45)	775 x 430 x 150 mm	
GL8 DBSSSU4321D	SU4 Surface Cabinet	3x21 W(63)	775 x 510 x 150 mm	
GL8 DBSSSU5324D	SU5 Surface Cabinet	3x24 W(72)	775 x 585 x 150 mm	
GL8 DBSSSU6633D	SU6 Surface Cabinet	3x24 + 3 x 9W(99)	775 x 930 x 150 mm	
GL8 DBSSSU7639D	SU7 Surface Cabinet	3x24 + 3x15W(117)	775 x 1035x 150 mm	

DIN

#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL - SU CABINET - WHITE - MINI RAIL

GL8 DBSSSU0112M	SU0 Surface Cabinet	1x12 W(12)	325 x 325 x 150 mm	
GL8 DBSSSU1124M	SU1 Surface Cabinet	1x24 W(24)	480 x 325 x 150 mm	
GL8 DBSSSU2220M	SU2 Surface Cabinet	2x20 W(40)	535 x 430 x 150 mm	
GL8 DBSSSU3320M	SU3 Surface Cabinet	3x20 W(60)	775 x 430 x 150 mm	
GL8 DBSSSU4328M	SU4 Surface Cabinet	3x28 W(84)	775 x 510 x 150 mm	
GL8 DBSSSU5332M	SU5 Surface Cabinet	3x32 W(96)	775 x 585 x 150 mm	
GL8 DBSSSU6644M	SU6 Surface Cabinet	3x32 + 3x12W(132)	775 x 930 x 150 mm	
GL8 DBSSSU7652M	SU7 Surface Cabinet	3x32 + 3x20W(156)	775 x 1035x 150 mm	

MINI RAIL

#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL - SU CABINET - WHITE - DIN - WEATHERPROOF

GL8 DBSSSU0109DW	SU0 Surface Cabinet	1x 9 W(9)	325 x 325 x 150 mm	
GL8 DBSSSU1118DW	SU1 Surface Cabinet	1x18 W(18)	480 x 325 x 150 mm	
GL8 DBSSSU2215DW	SU2 Surface Cabinet	2x15 W(30)	535 x 430 x 150 mm	
GL8 DBSSSU3315DW	SU3 Surface Cabinet	3x15 W(45)	775 x 430 x 150 mm	
GL8 DBSSSU4321DW	SU4 Surface Cabinet	3x21 W(63)	775 x 510 x 150 mm	
GL8 DBSSSU5324DW	SU5 Surface Cabinet	3x24 W(72)	775 x 585 x 150 mm	
GL8 DBSSSU6633DW	SU6 Surface Cabinet	3x24 + 3x9 W(99)	775 x 930 x 150 mm	
GL8 DBSSSU7639DW	SU7 Surface Cabinet	3x24 + 3x15W(117)	775 x 1035x 150 mm	

DIN

#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL - SU CABINET - WHITE - MINI RAIL - WEATHERPROOF

GL8 DBSSSU0112MW	SU0 Surface Cabinet	1x12 W(12)	325 x 325 x 150 mm	
GL8 DBSSSU1124MW	SU1 Surface Cabinet	1x24 W(24)	480 x 325 x 150 mm	
GL8 DBSSSU2220MW	SU2 Surface Cabinet	2x20 W(40)	535 x 430 x 150 mm	
GL8 DBSSSU3320MW	SU3 Surface Cabinet	3x20 W(60)	775 x 430 x 150 mm	
GL8 DBSSSU4328MW	SU4 Surface Cabinet	3x28 W(84)	775 x 510 x 150 mm	
GL8 DBSSSU5332MW	SU5 Surface Cabinet	3x32 W(96)	775 x 585 x 150 mm	
GL8 DBSSSU6644MW	SU6 Surface Cabinet	3x32 + 3x12W(132)	775 x 930 x 150 mm	
GL8 DBSSSU7652MW	SU7 Surface Cabinet	3x32 + 3x20W(156)	775 x 1035x 150 mm	

MINI RAIL

## DISTRIBUTION BOARDS SURFACE

- SURFACE SIDE ISOLATOR BOARDS
- SURFACE JSO ENCLOSURES
- ESKOM METER BOXES
- DIN & MINI RAIL

- *Material: Mild Steel Galvanised or Powder Coated*
- *Ideal for Domestic, Commercial & Industrial installations*
- *Trays with conduit knockouts*
- *IP55 Rating*



### SURFACE DIN & MINI RAIL DISTRIBUTION BOARDS

PART NUMBER	DESCRIPTION	MODULES	CABINET SIZE (W) x (H) x (D)	LIST PRICE
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#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL - SIDE ISOLATOR - ORANGE - DIN/MCCB

GL8 DBSSI309D	Side Isolator Board 100A*	3 x 9 Way (27)	775 x 510 x 150 mm	<b>DIN</b>
GL8 DBSSI315D	Side Isolator Board 100A*	3 x 15 Way (45)	775 x 585 x 150 mm	
GL8 DBSSI324D	Side Isolator Board MCCB**	3 x 24 Way (72)	775 x 1035 x 150 mm	

\*To Fit DIN 100A Circuit Breaker Mains  
\*\*To Fit 225 Frame Size (125A - 250A Moulded Case)

#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL - SIDE ISOLATOR - ORANGE - MINI/MCCB

GL8 DBSSI312M	Side Isolator Board 100A*	3 x 12 Way (36)	800 x 560 x 150 mm	<b>MINI RAIL</b>
GL8 DBSSI320M	Side Isolator Board 100A*	3 x 20 Way (60)	800 x 635 x 150 mm	
GL8 DBSSI332M	Side Isolator Board 100A**	3 x 32 Way (96)	800 x 1055 x 150 mm	

\*To Fit DIN 100A Circuit Breaker Mains  
\*\*To Fit 225 Frame Size (125A - 250A Moulded Case)

#### SURFACE MOUNT - DISTRIBUTION BOARD - STEEL - JSO ENCLOSURE - ORANGE - DIN

GL8 DBSSJSOENC	Surface JSO Enc.	White	555 x 180 x 105 mm	<b>DIN</b>
GL8 DBSSJSO309D	Surface JSO Enc.	3 x 9 Way (27)	800 x 670 x 220 mm	
GL8 DBSSJSO312D	Surface JSO Enc.	3 x 12 Way (36)	800 x 720 x 220 mm	
GL8 DBSSJSO315D	Surface JSO Enc.	3 x 15 Way (45)	800 x 770 x 220 mm	
GL8 DBSSJSO318D	Surface JSO Enc.	3 x 18 Way (54)	800 x 820 x 220 mm	
GL8 DBSSJSO324D	Surface JSO Enc.	3 x 24 Way (72)	800 x 920 x 220 mm	

\*DOUBLE DOOR, EXCLUDING BUSBARS

#### SURFACE MOUNT - DD DISTRIBUTION BOARD - STEEL - JSO ENCLOSURE - ORANGE - MINI RAIL

GL8 DBSSJSO312M	Surface JSO Enc.	3 x 12 Way (36)	800 x 670 x 220 mm	<b>MINI RAIL</b>
GL8 DBSSJSO316M	Surface JSO Enc.	3 x 16 Way (48)	800 x 720 x 220 mm	
GL8 DBSSJSO320M	Surface JSO Enc.	3 x 20 Way (60)	800 x 770 x 220 mm	
GL8 DBSSJSO324M	Surface JSO Enc.	3 x 24 Way (72)	800 x 820 x 220 mm	
GL8 DBSSJSO332M	Surface JSO Enc.	3 x 32 Way (96)	800 x 920 x 220 mm	

\*DOUBLE DOOR, EXCLUDING BUSBARS

#### ESKOM METER BOXES - SINGLE & 3 PHASE - MASONITE BACKING - GALVANISED STANDARD

GL8 SEMB1G	Eskom Meter Box	Single Phase	760 x 320 x 220 mm
GL8 SEMB3G	Eskom Meter Box	3 Phase	760 x 610 x 220 mm

#### ESKOM METER BOXES - SINGLE & 3 PHASE - MASONITE BACKING - GREY PAINTED

GL8 SEMB1P	Eskom Meter Box	Single Phase	760 x 320 x 220 mm
GL8 SEMB3P	Eskom Meter Box	3 Phase	760 x 610 x 220 mm

#### EAVE BOXES - GREY PAINTED - DIN

GL8 SEB04D	Eave Box	1 x 4 Way	225 x 145 x 100 mm	<b>DIN</b>
GL8 SEB09D	Eave Box	1 x 9 Way	225 x 225 x 100 mm	
GL8 SEB12D	Eave Box	1 x 12 Way	225 x 275 x 100 mm	
GL8 SEB15D	Eave Box	1 x 15 Way	225 x 325 x 100 mm	
GL8 SEB18D	Eave Box	1 x 18 Way	225 x 375 x 100 mm	

#### EAVE BOXES - GREY PAINTED - MINI RAIL

GL8 SEB06M	Eave Box	1 x 6 Way	225 x 145 x 100 mm	<b>MINI RAIL</b>
GL8 SEB12M	Eave Box	1 x 12 Way	225 x 225 x 100 mm	
GL8 SEB16M	Eave Box	1 x 16 Way	225 x 275 x 100 mm	
GL8 SEB20M	Eave Box	1 x 20 Way	225 x 325 x 100 mm	
GL8 SEB24M	Eave Box	1 x 24 Way	225 x 375 x 100 mm	

## UTILITY BOARDS

- READY BOARDS - DIN
- READY BOARDS - MINI RAIL
- CARAVAN BOARDS
- SWIMMING POOL BOARDS

- **DIN or Mini Rail**
- **With or without light**
- **Caravan Boards hinged complete**
- **Swimming Pool boards - Standard & for LED**

PART NUMBER	DESCRIPTION	LIST PRICE
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### ONESTO MINI READY BOARD - WITH / WITHOUT LIGHT - UV STABILIZED POLYCARBONATE - DIN

GL8 SRBOMB	<b>Hinged Ready Board + Switched Bulkhead</b> + 3 Plugs + 1 x 63A Earth Leakage + 2 x 20A MCB's Modular Sockets (Interchangeable)*	
GL8 SRBMO	<b>Hinged Ready Board without Bulkhead</b> + 3 Plugs + 1 x 63A Earth Leakage + 2 x 20A MCB's Modular Sockets (Interchangeable)*	

### SCHENKER READY BOARDS - MINI RAIL

GL8 SRBSB	<b>Hinged Ready Board + Switched Bulkhead</b> + 3 Plugs + 1 x 63A Earth Leakage + 2 x 20A MCB's	
GL8 SRBS	<b>Hinged Ready Board without Bulkhead</b> + 3 Plugs + 1 x 63A Earth Leakage + 2 x 20A MCB's	

### CARAVAN BOARD

GL8 SCB	<b>Hinged Weatherproof Lockable IP65 Board complete with:</b> + Earth Leakage + 2 x 3kA MCB's + 2 x 16A 3 Pin IP65 Sockets and + Pre-moulded knockouts. Size: 220 (L) x 282 (W) x 120 (D) mm	
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### SWIMMING POOL BOARD - IP65

GL8 PB125	<b>Hinged Weatherproof Lockable IP65 Board complete with:</b> + Transformer + Programmable Timer + 2 x 3kA MCB's + Isolator & Pre-Moulded Knockouts Size: 282 (L) x 220 (W) x 120 (D) mm	
GL8 PB125E	<b>9 Way IP65 Empty Swimming Pool Board</b>	
GL8 PBLED	<b>Hinged Weatherproof Lockable IP65 Board complete with:</b> + Transformer + Programmable Timer + 2 x 3kA MCB's + Isolator & Pre-Moulded Knockouts Size: 170 (L) x 170 (W) x 70 (D) mm <i>*Only for where LED light is being used. Max Load - 8W LED</i>	

## INSTALLATION PRODUCTS

- GALVANISED DRAW BOXES
- GALVANISED SLAB BOXES
- GALVANISED LIGHT FITTING COVER PLATES
- BUDGIE BOXES
- WALL BOXES: SURFACE & FLUSH

- *Material: Mild Steel Galvanised or Powder Coated*
- *Ideal for Domestic, Commercial & Industrial installations*
- *Trays with conduit knockouts*
- *Custom Products*

### INSTALLATION PRODUCTS

PART NUMBER	DESCRIPTION	OVERALL SIZE (W) x (H) x (D)	LIST PRICE
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#### DRAW BOXES - INCLUDING LIDS & KNOCKOUTS - GALVANISED

GL8 WT101050	Draw Box Including Cover	100 x 100 x 50 mm	
GL8 WT151550	Draw Box Including Cover	150 x 150 x 50 mm	
GL8 WT151575	Draw Box Including Cover	150 x 150 x 75 mm	
GL8 WT231550	Draw Box Including Cover	230 x 150 x 50 mm	
GL8 WT231575	Draw Box Including Cover	230 x 150 x 75 mm	
GL8 WT232350	Draw Box Including Cover	230 x 230 x 50 mm	
GL8 WT232375	Draw Box Including Cover	230 x 230 x 75 mm	
GL8 WT233050	Draw Box Including Cover	230 x 305 x 50 mm	
GL8 WT233075	Draw Box Including Cover	230 x 305 x 75 mm	
GL8 WT303050	Draw Box Including Cover	305 x 305 x 50 mm	
GL8 WT303075	Draw Box Including Cover	305 x 305 x 75 mm	
GL8 WT383850	Draw Box Including Cover	380 x 380 x 50 mm	
GL8 WT383875	Draw Box Including Cover	380 x 380 x 75 mm	
GL8 WT454575	Draw Box Including Cover	450 x 450 x 75 mm	
GL8 WT606075	Draw Box Including Cover	600 x 600 x 75 mm	

#### SLAB BOXES - NO COVER - GALVANISED

GL8 SB210	Light Fitting Slab Box - No Cover	210 x 150 x 130 mm	
GL8 SB310	Light Fitting Slab Box - No Cover	310 x 150 x 130 mm	
GL8 SB360	Light Fitting Slab Box - No Cover	360 x 150 x 130 mm	
GL8 SB440	Light Fitting Slab Box - No Cover	440 / 390 x 120 x 220 mm	
GL8 SB490	Light Fitting Slab Box - No Cover	490 / 440 x 120 x 220 mm	
GL8 SB540	Light Fitting Slab Box - No Cover	540 / 490 x 120 x 220 mm	
GL8 SB590	Light Fitting Slab Box - No Cover	590 / 540 x 120 x 220 mm	
GL8 SB650	Light Fitting Slab Box - No Cover	650 / 590 x 120 x 220 mm	

#### SLAB BOX LIGHT COVER PLATES - GALVANISED - HOLE CUT OUT SIZE TO BE SPECIFIED

GL8 SBCL	Light Fitting Slab Box Cover Plate	SML 25-100mm	150 x 130mm
GL8 SBCL	Light Fitting Slab Box Cover Plate	LRG 25-115mm	290 x 220mm
GL8 SBCL650	Light Fitting Slab Box Cover Plate		110 x 600 x 220mm

TO SUIT GL8 SB650

#### BUDGIE BOXES - GREY PAINTED

GL8 SBBP	Budgie Box - Plain	230 x 150 x 200 mm	
GL8 SBB06	Budgie Box - 6 Mod Mini Rail	230 x 150 x 200 mm	

#### WALL BOXES

GL9 CABEPC42	Closed Extension Steel Wall Box - 0.5mm	4 x 2
GL9 CABEPC44	Closed Extension Steel Wall Box - 0.5mm	4 x 2
GL9 CABEP042	Open Backed Extension Steel Wall Box - 0.5mm	4 x 2
GL9 CABEP044	Open Backed Extension Steel Wall Box - 0.5mm	4 x 2
GL9 CABWG42	Galvanised Steel Wall Box - 0.5mm	4 x 2
GL9 CABWG44	Galvanised Steel Wall Box - 0.5mm	4 x 4



SPECIAL CUSTOM PRODUCTS  
AVAILABLE ON REQUEST





- TERMINALS
- CABLE MANAGEMENT
- CABLE MARKERS
- HEATSHRINK
- CABLE PROTECTION

**TERMINALS**



**CABLE MANAGEMENT**



**CABLE MARKERS**



**HEATSHRINK**



**CABLE PROTECTION**



**UNI-T®**

**TEST INSTRUMENTS**

- STANDARD BLACK
- STANDARD WHITE



Visit [www.sapiselco.com](http://www.sapiselco.com)

**THE LEADING INTERNATIONAL CABLE TIE**  
6 billion pieces manufactured per year



PART NUMBER	DESCRIPTION	LENGTH	WIDTH	CTN QTY	LIST PRICE
<b>SAPI SELCO - ITALIAN CABLE TIES - STANDARD NYLON - BLACK</b>					
GL9 CT5303	Standard Black Nylon Cable Tie	100 mm	2.5 mm	100	
GL9 CT5309	Standard Black Nylon Cable Tie	140 mm	3.5 mm	100	
GL9 CT5315	Standard Black Nylon Cable Tie	200 mm	4.5 mm	100	
GL9 CT5317	Standard Black Nylon Cable Tie	300 mm	4.5 mm	100	
GL9 CT5319	Standard Black Nylon Cable Tie	360 mm	4.5 mm	100	
GL9 CT5326	Standard Black Nylon Cable Tie	280 mm	7.5 mm	100	
GL9 CT5327	Standard Black Nylon Cable Tie	360 mm	7.5 mm	100	
GL9 CT5329	Standard Black Nylon Cable Tie	450 mm	7.5 mm	100	
GL9 CT5337	Standard Black Nylon Cable Tie	500 mm	12.5 mm	100	
<b>SAPI SELCO - ITALIAN CABLE TIES - STANDARD NYLON - WHITE</b>					
GL9 CT5203	Standard White Nylon Cable Tie	100 mm	2.5 mm	100	
GL9 CT5209	Standard White Nylon Cable Tie	140 mm	3.5 mm	100	
GL9 CT5215	Standard White Nylon Cable Tie	200 mm	4.5 mm	100	
GL9 CT5217	Standard White Nylon Cable Tie	300 mm	4.5 mm	100	
GL9 CT5219	Standard White Nylon Cable Tie	360 mm	4.5 mm	100	
GL9 CT5226	Standard White Nylon Cable Tie	280 mm	7.5 mm	100	
GL9 CT5227	Standard White Nylon Cable Tie	360 mm	7.5 mm	100	
GL9 CT5229	Standard White Nylon Cable Tie	450 mm	7.5 mm	100	
GL9 CT5237	Standard White Nylon Cable Tie	500 mm	12.5 mm	100	

\* Other colours available on request



\* Full Certification on Page 177



- UV RESISTANT
- METAL DETECTABLE
- STAINLESS STEEL TOOTH
- RELEASABLE



PART NUMBER	DESCRIPTION	LENGTH	WIDTH	CTN QTY	LIST PRICE
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## UV RESISTANT

- 10 Year Warranty
- UV resistant cable ties (UV-V2 TYPE)
- Standard characteristic: high UV rays resistance, self extinguishing material.

Applications: Solar installations, Aerial installations & extreme environments

### SAPI SELCO - ITALIAN CABLE TIES - UV V2 NYLON

GL9 CTU5303	UV V2 Black Nylon Cable Tie	100 mm	2.5 mm	100
GL9 CTU5309	UV V2 Black Nylon Cable Tie	140 mm	3.5 mm	100
GL9 CTU5315	UV V2 Black Nylon Cable Tie	200 mm	4.5 mm	100
GL9 CTU5317	UV V2 Black Nylon Cable Tie	300 mm	4.5 mm	100
GL9 CTU5319	UV V2 Black Nylon Cable Tie	360 mm	4.5 mm	100
GL9 CTU5326	UV V2 Black Nylon Cable Tie	280 mm	7.5 mm	100
GL9 CTU5327	UV V2 Black Nylon Cable Tie	360 mm	7.5 mm	100
GL9 CTU5337	UV V2 Black Nylon Cable Tie	500 mm	12.5 mm	100



## METAL DETECTABLE

- Metal Detectable - using compound metal technology
- For safety reasons, small 'cut-off' sections are detectable in the manufacturing process.

Applications: Food, pharmaceutical & chemical processing industries

### SAPI SELCO - ITALIAN CABLE TIES - NYLON - READABLE BY METAL DETECTOR

GL9 CTDET112110	Black Nylon Cable Tie - Metal Detectable	140 mm	3.5 mm	100
GL9 CTDET112123	Black Nylon Cable Tie - Metal Detectable	200 mm	4.5 mm	100
GL9 CTDET112140	Black Nylon Cable Tie - Metal Detectable	280 mm	4.5 mm	100
GL9 CTDET112127	Black Nylon Cable Tie - Metal Detectable	380 mm	4.5 mm	100



## STAINLESS STEEL TOOTH

- Resistant to vibration
- Prevents failure on moving equipment
- Resistant to low temperatures and in zero humidity conditions

Applications: Transport, cold storage & manufacturing industry

### SAPI SELCO - ITALIAN CABLE TIES - NYLON - WITH STAINLESS STEEL TOOTH - BLACK

GL9 MET32102	Black Nylon Cable Tie - with Stainless S Tooth	100 mm	2.5 mm	100
GL9 MET32105	Black Nylon Cable Tie - with Stainless S Tooth	200 mm	2.5 mm	100
GL9 MET32110	Black Nylon Cable Tie - with Stainless S Tooth	140 mm	3.5 mm	100
GL9 MET32111	Black Nylon Cable Tie - with Stainless S Tooth	200 mm	3.5 mm	100
GL9 MET32112	Black Nylon Cable Tie - with Stainless S Tooth	280 mm	3.5 mm	100
GL9 MET32123	Black Nylon Cable Tie - with Stainless S Tooth	186 mm	4.5 mm	100
GL9 MET32140	Black Nylon Cable Tie - with Stainless S Tooth	290 mm	4.5 mm	100
GL9 MET32126	Black Nylon Cable Tie - with Stainless S Tooth	360 mm	4.5 mm	100
GL9 MET32548	Black Nylon Cable Tie - with Stainless S Tooth	340 mm	7.0 mm	100
GL9 MET32534	Black Nylon Cable Tie - with Stainless S Tooth	360 mm	7.5 mm	100

### SAPI SELCO - ITALIAN CABLE TIES - NYLON - RELEASABLE (PRESS TO RELEASE)

GL9 CTRIA3232	Black Nylon Cable Tie - Releasable	200 mm	7.5 mm	100
GL9 CTRIA3231	Black Nylon Cable Tie - Releasable	250 mm	7.5 mm	100
GL9 CTRIA3233	Black Nylon Cable Tie - Releasable	280 mm	7.5 mm	100
GL9 CTRIA3234	Black Nylon Cable Tie - Releasable	360 mm	7.5 mm	100



\* Other colours available on request

\* Full Certification on Page 177



## A FAMILY BUSINESS

We are a leader in the manufacture of CABLE TIES. We have always prioritized research, design and optimisation in all our production processes, standing out from other manufacturers thanks to our 100% Made in Italy products and world-acclaimed quality.

We are constantly committed to researching and perfecting production, making significant investments in technology and the training of internal resources. Experience gained and passed on from generation to generation, highlights the differences between our company and others across the world.

From the very beginning, we at Sapiselco have contributed with our know-how to enhance the concept of Made in Italy, designing and manufacturing certified products with hi-tech content. At Sapiselco, we take our cable ties to heart – we even “call them by name”. We have adopted a special naming system for all of them.

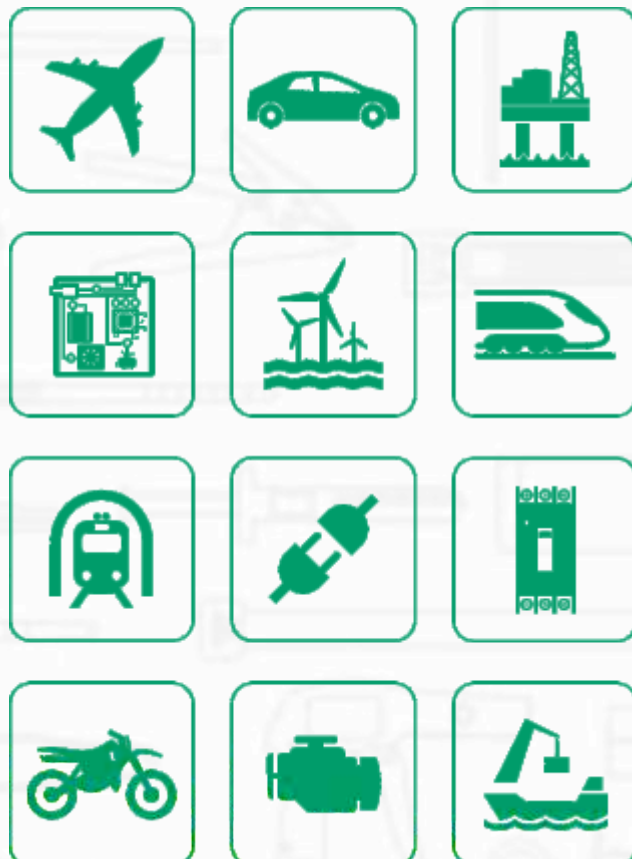
One of our strengths as a company lies in the 50 fully automated production units, which guarantee the moulding of 6 billion pieces per year, painstakingly designed and produced exclusively in Italy, according to rigorously high quality standards.

For more than 65 years, our family, the sole founders and owners of the company, has consolidated the Sapiselco brand, thanks to the perfect synthesis of passion, training and innovation.



# CABLE TIE APPROVALS

- Certificates of approval for cable ties series SEL CA01.00073, CA01.00076, CA01.00591, CA01.00591 (reference standards EN 62272:2009, B.T. 2006/95/EC) 
- Certificates of approval for cable ties series ME.t CA01.00172, CA01.00175 (reference standards EN 62272:2009, B.T. 2006/95/EC) 
- GL Type Approval Certificate n°99173-96 HH (reference standard IEC 60092-101, UL 1565) 
- Certificate of Type Approval n°09113/A1 BV file n°ACE 14/725/02 (reference standard IEC 60092) 
- Type Approval Certificate ELE 349307CS (reference standard IEC 60092-101) 
- LR Type Approval Certificate n°00/00017 (reference standards UL 94-V2, UL 1565, IEC 60092-101) 
- Type Approved Certificate n°E-6650 (reference standard IEC 60092-101 BV Rules) 
- Qualified Products List (QPL 23190) n°02635201.AA/10-11-99 (reference standard MIL-C-23190) 
- File E 160935 (reference standards UL 94, UL 1565) 
- CE Marking: self-certification (reference standard B.T. 2006/95/EC – 93/68/EEC) 
- Self-declaration of conformity (reference standards 2002/95/EC, Legislative Decree 151-25/07/2005) 
- R.E.A.C.H., autodichiarazione di conformità (norma di riferimento 1907/2006)





## WIRE CONNECTORS

- 2 - 6 WIRE RANGE
- 24 - 32A RATING

### WIRE CONNECTOR



**GL9 WCRC102**  
 2 Wire Connector 400V 24A YELLOW  
 Solid Wire: 0,75 - 2,5mm<sup>2</sup>  
 Strip Length: 12mm  
 Pack Quantity: 10

### WIRE CONNECTOR



**GL9 WCRC104**  
 4 Wire Connector 400V 24A ORANGE  
 Solid Wire: 0,75 - 2,5mm<sup>2</sup>  
 Strip Length: 12mm  
 Pack Quantity: 10

### WIRE CONNECTOR



**GL9 WCRC106**  
 6 Wire Connector 400V 24A PURPLE  
 Solid Wire: 0,75 - 2,5mm<sup>2</sup>  
 Strip Length: 12mm  
 Pack Quantity: 10

### WIRE CONNECTOR



**GL9 WCRC108**  
 8 Wire Connector 400V 24A BLUE  
 Solid Wire: 0,75 - 2,5mm<sup>2</sup>  
 Strip Length: 12mm  
 Pack Quantity: 10

### WIRE CONNECTOR



**GL9 WCRC103D**  
 3 Wire Connector 400V 32A ORANGE  
 Solid Wire: 2,5 - 6mm<sup>2</sup>  
 Strip Length: 12mm  
 Pack Quantity: 10

### WIRE CONNECTOR



**GL3 WCRC104D**  
 4 Wire Connector 400V 32A ORANGE  
 Solid Wire: 2,5 - 6mm<sup>2</sup>  
 Strip Length: 12mm  
 Pack Quantity: 10

### WIRE CONNECTOR



**GL9 WCRC413**  
 3 Wire Connector 400V 32A GREY & ORANGE  
 Solid Wire: 0,08 - 2,5mm<sup>2</sup>  
 Strip Length: 9mm  
 Pack Quantity: 10

### WIRE CONNECTOR



**GL9 WCRC415**  
 5 Wire Connector 400V 32A GREY & ORANGE  
 Solid Wire: 0,08 - 2,5mm<sup>2</sup>  
 Strip Length: 9mm  
 Pack Quantity: 10

## COPPER LUGS

- TINNED COPPER
- CABLE TERMINAL ENDS WITH INSPECTION SLOT
- CRIMPING TYPE

- Copper Tube to CB1977/IS 191 Part V
- E.C. Grade 99.25% IACS
- Electro tinned finish - 2BS1872 (1984)
- **XLPE, Bi-Metallic, Aluminium Lugs - Pricing Available**
- Price On Request - Based on London Copper Exchange

PART NUMBER	SIZE	WIRE MM <sup>2</sup>	STUD	ID SIZE	BOX QTY	LIST PRICE
<b>COPPER LUGS</b>						
GL9 CL00104	1.5 x 4.0 mm	1.5 mm	4	1.8	100	R POA
GL9 CL00105	1.5 x 5.0 mm	1.5 mm	5	1.8	100	R POA
GL9 CL00106	1.5 x 6.0 mm	1.5 mm	6	1.8	100	R POA
GL9 CL00204	2.5 x 4.0 mm	2.5 mm	4	2.4	100	R POA
GL9 CL00205	2.5 x 5.0 mm	2.5 mm	5	2.4	100	R POA
GL9 CL00206	2.5 x 6.0 mm	2.5 mm	6	2.4	100	R POA
GL9 CL00208	2.5 x 8.0 mm	2.5 mm	8	2.4	100	R POA
GL9 CL00404	4.0 x 4.0 mm	4.0 mm	4	3.1	100	R POA
GL9 CL00405	4.0 x 5.0 mm	4.0 mm	5	3.1	100	R POA
GL9 CL00406	4.0 x 6.0 mm	4.0 mm	6	3.1	100	R POA
GL9 CL00408	4.0 x 8.0 mm	4.0 mm	8	3.1	100	R POA
GL9 CL00410	4.0 x 10 mm	4.0 mm	10	3.1	100	R POA
GL9 CL00604	6.0 x 4.0 mm	6.0 mm	4	3.4	100	R POA
GL9 CL00605	6.0 x 5.0 mm	6.0 mm	5	3.4	100	R POA
GL9 CL00606	6.0 x 6.0 mm	6.0 mm	6	3.4	100	R POA
GL9 CL00608	6.0 x 8.0 mm	6.0 mm	8	3.4	100	R POA
GL9 CL00610	6.0 x 10 mm	6.0 mm	10	3.4	100	R POA
GL9 CL01005	10 x 5.0 mm	10.0 mm	5	4.5	100	R POA
GL9 CL01006	10 x 6.0 mm	10.0 mm	6	4.5	100	R POA
GL9 CL01008	10 x 8.0 mm	10.0 mm	8	4.5	100	R POA
GL9 CL01010	10 x 10 mm	10.0 mm	10	4.5	100	R POA
GL9 CL01012	10 x 12 mm	10.0 mm	12	4.5	100	R POA
GL9 CL01605	16 x 5.0 mm	16.0 mm	5	5.5	50	R POA
GL9 CL01606	16 x 6.0 mm	16.0 mm	6	5.5	50	R POA
GL9 CL01608	16 x 8.0 mm	16.0 mm	8	5.5	50	R POA
GL9 CL01610	16 x 10 mm	16.0 mm	10	5.5	50	R POA
GL9 CL01612	16 x 12 mm	16.0 mm	12	5.5	50	R POA
GL9 CL02506	25 x 6.0 mm	25.0 mm	6	6.9	50	R POA
GL9 CL02508	25 x 8.0 mm	25.0 mm	8	6.9	50	R POA
GL9 CL02510	25 x 10 mm	25.0 mm	10	6.9	50	R POA
GL9 CL02512	25 x 12 mm	25.0 mm	12	6.9	50	R POA
GL9 CL02516	25 x 16 mm	25.0 mm	16	6.9	50	R POA
GL9 CL03506	35 x 6.0 mm	35.0 mm	6	8.2	50	R POA
GL9 CL03508	35 x 8.0 mm	35.0 mm	8	8.2	50	R POA
GL9 CL03510	35 x 10 mm	35.0 mm	10	8.2	50	R POA
GL9 CL03512	35 x 12 mm	35.0 mm	12	8.2	50	R POA
GL9 CL03516	35 x 16 mm	35.0 mm	16	8.2	50	R POA

\* Please Note: Due to fluctuating Copper prices - Prices may change without prior notice



## COPPER LUGS

- TINNED COPPER
- CABLE TERMINAL ENDS WITH INSPECTION SLOT
- CRIMPING TYPE
- BLANK LUGS

- **Copper Tube to CB1977/IS 191 Part V • E.C. Grade 99.25% IACS**
- **Electro tinned finish - 2BS1872 (1984)**
- **XLPE Lugs & Pin Type Lugs - Pricing Available - Enquire at Local Branch**
- **Price On Request - Based on London Copper Exchange**

PART NUMBER	SIZE	WIRE MM <sup>2</sup>	STUD	ID SIZE	BOX QTY	LIST PRICE
<b>COPPER LUGS</b>						
GL9 CL05006	50 x 6 mm	50 mm	6	10	50	R POA
GL9 CL05008	50 x 8 mm	50 mm	8	10	50	R POA
GL9 CL05010	50 x 10 mm	50 mm	10	10	50	R POA
GL9 CL05012	50 x 12 mm	50 mm	12	10	50	R POA
GL9 CL05016	50 x 16 mm	50 mm	16	10	50	R POA
GL9 CL05020	50 x 20 mm	50 mm	20	10	50	R POA
GL9 CL07008	70 x 8 mm	70 mm	8	11.7	25	R POA
GL9 CL07010	70 x 10 mm	70 mm	10	11.7	25	R POA
GL9 CL07012	70 x 12 mm	70 mm	12	11.7	25	R POA
GL9 CL07016	70 x 16 mm	70 mm	16	11.7	25	R POA
GL9 CL07020	70 x 20 mm	70 mm	20	11.7	25	R POA
GL9 CL09508	95 x 8 mm	95 mm	8	13.5	25	R POA
GL9 CL09510	95 x 10 mm	95 mm	10	13.5	25	R POA
GL9 CL09512	95 x 12 mm	95 mm	12	13.5	25	R POA
GL9 CL09516	95 x 16 mm	95 mm	16	13.5	25	R POA
GL9 CL09520	95 x 20 mm	95 mm	20	13.5	25	R POA
GL9 CL12008	120 x 8 mm	120 mm	8	15.5	25	R POA
GL9 CL12010	120 x 10 mm	120 mm	10	15.5	25	R POA
GL9 CL12012	120 x 12 mm	120 mm	11	15.5	25	R POA
GL9 CL12016	120 x 16 mm	120 mm	16	15.5	25	R POA
GL9 CL12020	120 x 20 mm	120 mm	20	15.5	25	R POA
GL9 CL15008	150 x 8 mm	150 mm	8	17	25	R POA
GL9 CL15010	150 x 10 mm	150 mm	10	17	25	R POA
GL9 CL15012	150 x 12 mm	150 mm	12	17	25	R POA
GL9 CL15016	150 x 16 mm	150 mm	16	17	25	R POA
GL9 CL15020	150 x 20 mm	150 mm	20	17	25	R POA
GL9 CL18510	185 x 10 mm	185 mm	10	18.5	20	R POA
GL9 CL18512	185 x 12 mm	185 mm	12	18.5	20	R POA
GL9 CL18516	185 x 16 mm	185 mm	16	18.5	20	R POA
GL9 CL18520	185 x 20 mm	185 mm	20	18.5	20	R POA
GL9 CL24010	240 x 10 mm	240 mm	10	21.5	10	R POA
GL9 CL24012	240 x 12 mm	240 mm	12	21.5	10	R POA
GL9 CL24016	240 x 16 mm	240 mm	16	21.5	10	R POA
GL9 CL24020	240 x 20 mm	240 mm	20	21.5	10	R POA
GL9 CL30010	300 x 10 mm	300 mm	10	24.5	5	R POA
GL9 CL30012	300 x 12 mm	300 mm	12	24.5	5	R POA
GL9 CL30016	300 x 16 mm	300 mm	16	24.5	5	R POA
GL9 CL30020	300 x 20 mm	300 mm	20	24.5	5	R POA

### COPPER BLANK LUGS

GL9 CL400B	400mm Blank	400 mm	0	28.5	5	R POA
GL9 CL500B	500mm Blank	500 mm	0	32.5	5	R POA
GL9 CL630B	600mm Blank	630 mm	0	35.0	1	R POA

\* Please Note: Due to fluctuating Copper prices - Prices may change without prior notice





## COPPER FERRULES

- TINNED COPPER IN-LINE CONNECTORS
- CRIMPING TYPE

- **Copper Tube to CB1977/IS 191 Part V**
- **E.C. Grade 99.25% IACS**
- **Electro tinned finish - 2BS1872 (1984)**
- **Bi-Metallic, Aluminium, Weak Back & Sector Ferrules - Pricing Available**
- **Price On Request - Based on London Copper Exchange**

PART NUMBER	SIZE	WIRE MM <sup>2</sup>	BOX QTY	LIST PRICE
<b>COPPER FERRULES</b>				
GL9 CF001	1.5 mm Ferrule	1.5 mm	100	R POA
GL9 CF002	2.5 mm Ferrule	2.5 mm	100	R POA
GL9 CF004	4 mm Ferrule	4.0 mm	100	R POA
GL9 CF006	6 mm Ferrule	6.0 mm	100	R POA
GL9 CF010	10 mm Ferrule	10.0 mm	100	R POA
GL9 CF016	16 mm Ferrule	16.0 mm	100	R POA
GL9 CF016L	16 mm Long Ferrule	16.0 mm	100	R POA
GL9 CF025	25 mm Ferrule	25.0 mm	50	R POA
GL9 CF025L	25 mm Long Ferrule	25.0 mm	50	R POA
GL9 CF035	35 mm Ferrule	35.0 mm	50	R POA
GL9 CF035L	35 mm Long Ferrule	35.0 mm	50	R POA
GL9 CF050	50 mm Ferrule	50.0 mm	50	R POA
GL9 CF050L	50 mm Long Ferrule	50.0 mm	50	R POA
GL9 CF070	70 mm Ferrule	70.0 mm	25	R POA
GL9 CF070L	70 mm Long Ferrule	70.0 mm	25	R POA
GL9 CF095	95 mm Ferrule	95.0 mm	25	R POA
GL9 CF095L	95 mm Long Ferrule	95.0 mm	25	R POA
GL9 CF120	120 mm Ferrule	120.0 mm	25	R POA
GL9 CF120L	120 mm Long Ferrule	120.0 mm	25	R POA
GL9 CF150	150 mm Ferrule	150.0 mm	25	R POA
GL9 CF150L	150 mm Long Ferrule	150.0 mm	25	R POA
GL9 CF185	185 mm Ferrule	185.0 mm	20	R POA
GL9 CF185L	185 mm Long Ferrule	185.0 mm	20	R POA
GL9 CF240	240 mm Ferrule	240.0 mm	10	R POA
GL9 CF240L	240 mm Long Ferrule	240.0 mm	10	R POA
GL9 CF300	300 mm Ferrule	300.0 mm	5	R POA
GL9 CF300L	300 mm Long Ferrule	300.0 mm	5	R POA
GL9 CF400	400 mm Ferrule	400.0 mm	5	R POA
GL9 CF400L	400 mm Long Ferrule	400.0 mm	5	R POA
GL9 CF500	500 mm Ferrule	500.0 mm	4	R POA
GL9 CF500L	500 mm Ferrule	500.0 mm	4	R POA
GL9 CF630L	630 mm Long Ferrule	630.0 mm	8	R POA
GL9 CF800L	800 mm Long Ferrule	800.0 mm	1	R POA
GL9 CF1000L	1000mm Long Ferrule	1000.0 mm	1	R POA

\* Please Note: Due to fluctuating Copper prices - Prices may change without prior notice





## GLANDS

- PATRAX DUAL CONE TECHNOLOGY (ROTARY / FIXED)
- COMPRESSION GLANDS

- **Nickel Plated Brass Glands - Double Grooved for Extra Grip**
- **SANS / SABS 1213 Approved**
- **Precision Engineering for High Quality Gland**
- **No Twisting of Steel Wire Armouring**

PART NUMBER	SIZE	ENTRY MM <sup>2</sup>	BOX QTY	LIST PRICE
<b>GLANDS - PATRAX (DUAL CONE TECHNOLOGY - FULLY ROTATIONAL CAPTIVE CONE / LOOSE REMOVABLE CONE)</b>				
GL9 CGD0	0	20	10	
GL9 CGD1	1	20	10	
GL9 CGD2	2	25	10	
GL9 CGD3	3	32	5	
GL9 CGD4	4	40	5	
GL9 CGD5	5	50	2	
GL9 CGD6	6	63	2	
GL9 CGD7	7	75	2	

### GLANDS - A2 COMPRESSION (NEOPRENE SEAL WITH GROOVE ENSURES EFFECTIVE SEAL)

GL9 CGC00	00	16/20	10	
GL9 CGC0	0	20	10	
GL9 CGC1	1	20	10	
GL9 CGC2	2	25	10	
GL9 CGC3	3	32	5	
GL9 CGC4	4	40	5	
GL9 CGC5	5	50	2	
GL9 CGC6	6	63	2	
GL9 CGC7	7	75	2	

## CABLE GLAND SELECTION GUIDE

### CABLE SIZE (mm) RECOMMENDED GLAND SIZE FOR CABLE SIZE - NUMBER OF CORES

No.Cores	2	3	4	5	6	7	8	10	12
1.5	0	0	0	0	1*	1*	1	2	2
2.5	0	0	1*	1	1	1	2	2	3
4	1*	1*	1	1	2	2	2	3	3
6	1	1	2	2	2	2	<b>PVC / SWA CABLES</b>		
10	2*	2	2	<b>CORRECT GLAND SELECTION</b>					
16	2	2	3*	1. Information in this chart is based on published cable sizes supplied by cable manufacturers					
25	3*	3	3	2. We cannot be held responsible for dimension variances in cable manufacturing resulting in our Glands not fitting					
35	3	3	4*	3. Consider environmental conditions					
50	3	4	4	4. Consider cable type and voltage rating (Armoured / Unarmoured)					
70	4*	4	5	5. Note actual cable diameter overall and under the Armour (bedding)					
95	4	5*	5	6. Consider type and size of Armour					
120	4	5	5	7. Consider if Earth Bound Attachment is required					
150	5*	5	6*	8. Use outer Sheath diameter to select Gland size					
185	5	6	6	<b>* It is possible that certain makes of cable accept a Gland one size smaller</b>					
240	6	6	7*						
300	6	7*	7						



- PVC HEXAGONAL SHROUDS
- NYLON CABLE GLANDS IP68



- Polyvinyl Chloride PVC
- Lengthened Neck - Greater resistance to ingress of moisture, dirt & insects



PART NUMBER	SIZE	BOX QTY	LIST PRICE
-------------	------	---------	------------

### PVC SHROUD

GL9 CGSP0	0	10	
GL9 CGSP1	1	10	
GL9 CGSP2	2	10	
GL9 CGSP3	3	10	
GL9 CGSP4	4	10	
GL9 CGSP5	5	10	
GL9 CGSP6	6	10	
GL9 CGSP7	7	10	

PART NUMBER	DESCRIPTION	SIZE	COLOUR	BOX QTY
-------------	-------------	------	--------	---------

### NYLON CABLE GLANDS - IP68 - AVAILABLE IN STANDARD, MULTI-HOLE OR FLAT HOLE SEAL

GL9 NCG 1279B	Gland M12 Range	4 - 8 mm	Black	10
GL9 NCG 12715B	Gland M12 Range	4 - 8 mm	Black	10
GL9 NCG 12715G	Gland M12 Range	4 - 8 mm	Grey	10
GL9 NCG 12685B	Gland M12 Range	3 - 6.5 mm	Black	10
GL9 NCG 12685G	Gland M12 Range	3 - 6.5 mm	Grey	10
GL9 NCG 161010B	Gland M16 Range	6 - 10 mm	Black	10
GL9 NCG 161010G	Gland M16 Range	6 - 10 mm	Grey	10
GL9 NCG 16810B	Gland M16 Range	4 - 8 mm	Black	10
GL9 NCG 16810G	Gland M16 Range	4 - 8 mm	Grey	10
GL9 NCG 16815B	Gland M16 Range	4 - 8 mm	Black	10
GL9 NCG 16815G	Gland M16 Range	4 - 8 mm	Grey	10
GL9 NCG 2013510B	Gland M20 Range	8.5 - 14 mm	Black	10
GL9 NCG 2013510G	Gland M20 Range	8.5 - 14 mm	Grey	10
GL9 NCG 251812B	Gland M25 Range	12.5 - 18 mm	Black	10
GL9 NCG 251812G	Gland M25 Range	12.5 - 18 mm	Grey	10
GL9 NCG 25H208G	Gland M25 Range	8.7 - 4.5 mm	Grey	10
GL9 NCG 25H308G	Gland M25 Range	8 - 4 mm	Grey	10
GL9 NCG 25H407G	Gland M25 Range	7 - 3.5 mm	Grey	10
GL9 NCG 251412B	Gland M25 Range	8.5 - 14 mm	Black	10
GL9 NCG 322515B	Gland M32 Range	18 - 25 mm	Black	10
GL9 NCG 403115B	Gland M40 Range	24 - 32 mm	Black	10
GL9 NCG 504115B	Gland M50 Range	31 - 41 mm	Black	10

- Metric Threads • NYLON PA66 • EPDM Rubber Body & Seal
- UV94V-2 • RoHS • CE

## SPECIALISED CABLES

- RV-K 0.6 / 1KV
- HO7 RN - F
- COMMUNICATION CABLES

- **RV-K Cable flexible Xlpe Power Cable**
- **HO7 RNF Flexible Multi-Core, Multi Purpose Cable**
- **Communication Cable for Data / Signal Transmission**
- **ROHS CE IEC 60502**

PART NUMBER	SIZE	WEIGHT KG/KM	MOBILE @ 30° C AMPS	FIXED INSTALLATION @ 30° C AMPS	VOLTAGE DROP PER KM
-------------	------	--------------	---------------------	---------------------------------	---------------------

### RV-K SINGLE CORE FLEXIBLE POWER CABLE

GL9 RVK1006	6mm	112	33	53	6.63
GL9 RVK1010	10mm	175	53	74	3.84
GL9 RVK1016	16mm	241	71	101	2.43
GL9 RVK1025	25mm	354	94	135	1.57
GL9 RVK1035	35mm	457	117	168	1.11
GL9 RVK1050	50mm	545	148	207	0.776
GL9 RVK1070	70mm	861	165	258	0.546
GL9 RVK1095	95mm	1 122	222	328	0.414
GL9 RVK1120	120mm	1 358	260	383	0.323
GL9 RVK1150	150mm	1 712	300	444	0.259
GL9 RVK1185	185mm	2 079	341	501	0.213
GL9 RVK1240	240mm	2 658	407	607	0.161
GL9RVK1300	300mm	3 270	458	703	0.129

\* MULTI-CORES AVAILABLE ON REQUEST

\* PRICE ON APPLICATION

PART NUMBER	SIZE	OPEN AIR @ 30° C AMPS	BURIED @ 20° C AMPS	VOLTAGE DROP PER KM
-------------	------	-----------------------	---------------------	---------------------

### HO7 RN-F FLEXIBLE MULTI-CORE CABLE

GL9 HO72001	2 x 1.5 mm	28	26	34
GL9 HO72002	2 x 2.5 mm	36	34	20.4
GL9 HO72004	2 x 4 mm	49	44	12.7
GL9 HO72006	2 x 6 mm	63	56	8.45
GL9 HO72010	2 x 10 mm	86	73	4.89
GL9 HO72016	2 x 16 mm	115	95	3.10
GL9 HO73001	3 x 1.5 mm	26	26	34
GL9 HO73002	3 x 2.5 mm	35	34	20.4
GL9 HO73004	3 x 4 mm	49	44	12.7
GL9 HO73006	3 x 6 mm	63	56	8.45
GL9 HO73010	3 x 10 mm	86	73	2.82
GL9 HO73016	3 x 16 mm	110	79	2.68
GL9 HO73025	3 x 25 mm	127	101	1.63
GL9 HO73035	3 x 35 mm	156	122	1.23
GL9 HO73050	3 x 50 mm	192	164	0.860
GL9 HO73070	3 x 70 mm	246	178	0.803
GL9 HO75001	5 x 1.5 mm	23	22	29.5
GL9 HO75002	5 x 2.5 mm	32	29	17.7
GL9 HO75004	5 x 4 mm	42	37	11
GL9 HO75006	5 x 6 mm	54	46	7.32
GL9 HO75010	5 x 10 mm	75	61	4.23
GL9 HO75016	5 x 16 mm	100	69	2.68
GL9 HO75025	5 x 25 mm	127	101	1.79
GL9 HO75035	5 x 35 mm	153	122	1.23
GL9 HO75050	5 x 50 mm	192	144	0.860

\* PRICE ON APPLICATION

### COMMUNICATION CABLES

A comprehensive range of screened and unscreened multi-core communication cables available on request



# LIGHTING & ENERGY SAVING CATALOGUE



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E14 LED CANDLE LAMPS



E27 LED LAMPS



GU10 LED LAMPS



VENUS OUTDOOR  
LED IP66 RANGE



CYCLOPS LED  
FLUSH RANGE



LED OUTDOOR DÉCOR RANGE

**LED LIGHTING AND ENERGY SAVING SOLUTIONS  
FOR HOME, OFFICE, INDUSTRIAL & COMMERCIAL  
APPLICATIONS**



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### 2 CORE CABLE

SIZE	AIR		DUCT		GROUND		WIRE IN CONDUIT	
Metric mm	Amp	Volt Drop MV/A/M	Amp	Volt Drop MV/A/M	Amp	Volt Drop MV/A/M	Amp	Volt Drop MV/A/M
1 mm	13	40	16	40	19	40	13	40
1.5 mm	17	27	20	27	25	27	17	27
2.5 mm	23	16	28	16	34	16	23	16
4 mm	31	10	38	10	45	10	31	10
6 mm	40	6.9	48	6.9	58	6.9	40	6.9
10 mm	55	4.3	66	4.3	78	4.3	55	4.3
16 mm	72	2.6	88	2.6	105	2.6	72	2.6
25 mm	96	1.7	115	1.7	140	1.7	96	1.7
35 mm	120	1.3	140	1.3	170	1.2	120	1.3
50 mm	150	0.88	175	0.88	210	0.83	150	0.93
70 mm	180	0.65	220	0.65	235	0.59	180	0.71
95 mm	220	0.48	265	0.48	285	0.44	220	0.56
120 mm	255	0.40	305	0.40	330	0.35	255	0.48
150 mm	290	0.33	350	0.33	380	0.28	290	0.42
185 mm	335	0.29	400	0.29	430	0.24	335	0.39
240 mm	390	0.25	465	0.25	465	0.19	390	0.35
300 mm	450	0.23	540	0.23	540	0.16	450	0.33

### 3/4 CORE CABLE

SIZE	AIR		DUCT		GROUND		WIRE IN CONDUIT	
Metric mm	Amp	Volt Drop MV/A/M	Amp	Volt Drop MV/A/M	Amp	Volt Drop MV/A/M	Amp	Volt Drop MV/A/M
1 mm	11	35	13	35	17	35	12	35
1.5 mm	14	23	17	23	22	23	16	23
2.5 mm	19	14	23	14	31	14	21	14
4 mm	26	9	31	9	41	9	28	9
6 mm	33	6	40	6	52	6	36	6
10 mm	46	3.5	55	3.5	66	3.5	50	3.5
16 mm	61	2.2	72	2.2	88	2.2	66	2.2
25 mm	81	1.4	96	1.4	115	1.4	87	1.4
35 mm	99	1	120	1	140	1	110	1.1
50 mm	125	0.15	150	0.15	160	0.70	135	0.78
70 mm	155	0.52	180	0.52	200	0.47	165	0.59
95 mm	185	0.40	220	0.40	240	0.34	200	0.47
120 mm	215	0.34	255	0.34	280	0.28	230	0.40
150 mm	250	0.28	290	0.28	320	0.23	265	0.34
185 mm	280	0.25	335	0.25	365	0.19	300	0.30
240 mm	330	0.22	390	0.22	425	0.16	355	0.27
300 mm	380	0.19	450	0.19	450	0.13	410	0.25

Example: Formula required to calculate volt drop in a cable

Cable size: 25 mm x 4 core in ground  
 Length of Cable: 80 meters  
 Full Load of Cable: 100 Amps

(MilliVolt/Amps/Meter) X (Actual Amps Used) x (Length in Meters)

$$\frac{1000}{1000} \times 1.4 \times 100 \times 80 = 11.2 \text{ Voltage drop}$$



- MOULDED CASE CIRCUIT BREAKER
- U-SERIES - KC SERIES

Upstream 

Downstream



Recognition Category	Model	Rated Current (A)	Breaking Capacity [Icu] (kA r.m.s.)	UAB-C		UAB-R			UAB/UCB-S				
				UAB100C	UCB250R	UCB400R	UCB630R	UCB800R	UAB100S	UCB250S	UCB400S	UCB630S	UCB800S
				5-100	125-250	250-400	500, 630	700, 800	15-100	125-250	250-400	500, 630	700, 800
KC	KC3	1 - 63	3	6	7,5	10			10	10			
	KCN	6 - 32	3	6	7,5	10			10	10			
	KC6 - T	1 - 63	6	7,5	7,5	10			10	10			
KC	KC6 - T	80 - 125	7,5		14	14	14	14	18	18	18	30	30
	KC10 - T	1 - 63	7,5		14	14	14	14	18	18	18	30	30
UAB/UCB-R	UAB100R	15 - 100	25			30	35	35			35	42	42
	UCB50R	15 - 50	25			30	35	35	30		35	42	42
	UCB100R	15 - 100	25			30	35	35			35	42	42
	UCB250R	125 - 250	18			30	35	35			30	35	35
	UCB400R	250 - 400	30					35					50
UAB/UCB-S	UAB50S	15 - 50	25			30	35	35	30		35	42	42
	UAB100S	15 - 100	30				35	35			35	42	42
	UCB100S	15 - 100	36				45	45			42	50	50
	UCB250S	125 - 250	25			30	35	35			35	42	42
	UCB400S	250 - 400	42					45					65
UAB/UCB-H	UAB50H	15 - 50	30				35	35			42	42	42
	UCB50H	15 - 50	42				45	45				50	50
	UCB100H	15 - 125	42				45	45				50	50
	UCB250H	125 - 250	42				45	45				50	50
	UCB400H	250 - 400	65										
UCB-L	UCB50L	15 - 50	50									65	65
	UCB100L	15 - 125	50									65	65
	UCB250L	125 - 250	50									65	65
	UCB400L	250 - 400	100										
UPB-H	UPB100H	15 - 125	100										
	UPB250H	100 - 250	100										
UPB-L	UPB100L	15 - 125	130										
	UPB250L	100 - 250	130										

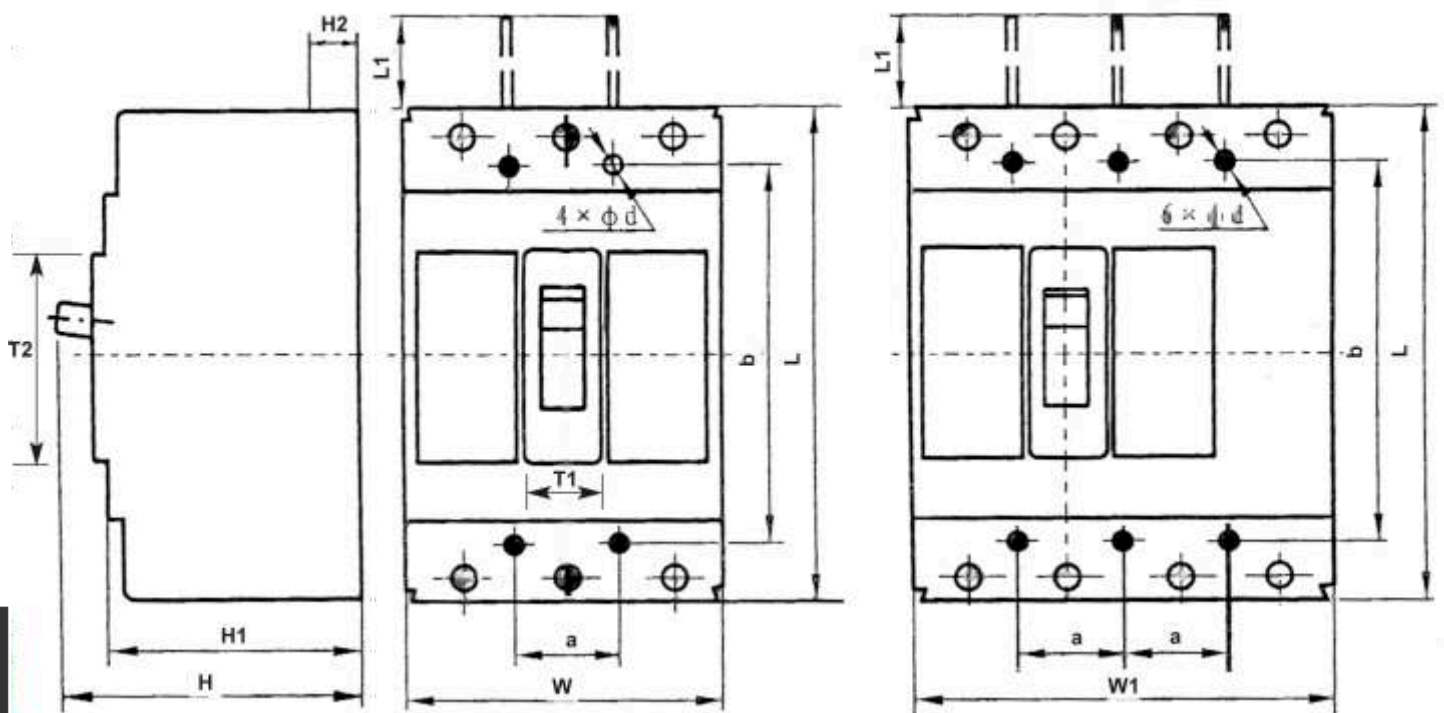
- MOULDED CASE CIRCUIT BREAKER
- U-SERIES - KC SERIES

UCB-H					UCB-L					UPB-H		UPB-L	
UCB100H	UCB250H	UCB400H	UCB630H	UCB800H	UCB100L	UCB250L	UCB400L	UCB630L	UCB800L	UPB100H	UPB250H	UPB100L	UPB250L
15-125	125-150	250-400	500, 630	700, 800	15-125	125-250	250-400	500, 630	700, 800	15-125	100-250	15-125	100-250
42	42	65	85	85	50	50	100	100	100	100	100	130	130
14	14	18			25	25	25						
14	14	18			25	25	25						
14	14	18			25	25	25						
18	18	30	30	30	30	30	35	35	35	35	35	42	42
18	18	30	30	30	30	30	35	35	35	35	35	42	42
	35	42	50	50		35	50	50	50		50		50
35	35	42	50	50	42	42	50	50	50	50	50	50	50
	35	42	50	50		42	50	50	50		50		50
		35	42	42			42	42	42				
				50					50				
35	35	42	50	50	42	42	50	50	50	50	50	50	50
	42	45	50	50		50	65	65	65		50		65
	42	50	65	65		50	75	75	75		65		65
		42	50	50			50	50	50				
				75					85				
42	42	45	50	50	50	50	65	65	65	50	50	65	65
		60	75	75	50	50	85	85	85	85	85	85	85
		60	75	75		50	85	85	85		85		85
		60	75	75			85	85	85				
				85					100				
		65	85	85			100	100	100	100	100	100	100
		65	85	85			100	100	100		100		100
		65	85	85			100	100	100				
												130	130
													130

### OVERALL AND MOUNTING DIMENSIONS FOR MCCB's

3 POLE	L	L1	W	H	H1	H2	a	b	Ød	T1	T2
KCM1-100	150	51	92	87	68	25	30	129	4.5	22	60
KCM1-225	165	64	107	108	87	25	35	126	5.5	25	60
KCM1-400	257	105	140	146	100	36.5	44	215	6.5	53	103
KCM1-630	270	118	182	160	108	41	58	200	7	65	103
KCM1-800	280	102	210	146	103	34.5	70	243	7	65	105
KCM1-1250	406	104	210	190	140.5	58.5	70	375	10	78	98

4 POLE	L	L1	W1	H	H1	H2	a	b	Ød	T1	T2
KCM1-100	150	51	122	87	68	25	30	129	4.5	22	60
KCM1-225	165	64	142	108	87	25	35	126	5.5	25	60
KCM1-400	257	105	184	146	100	36.5	44	215	6.5	53	103
KCM1-630	270	118	240	160	108	41	58	200	7	65	103
KCM1-800	280	102	280	146	103	34.5	70	243	7	65	105

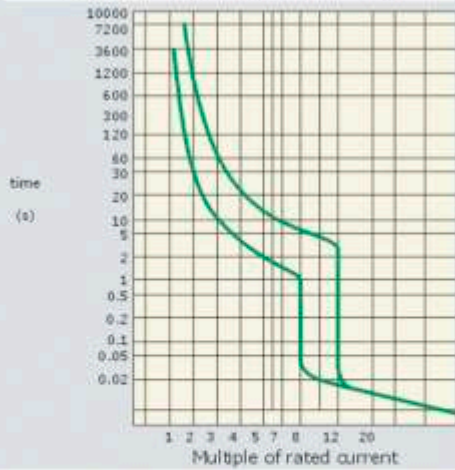




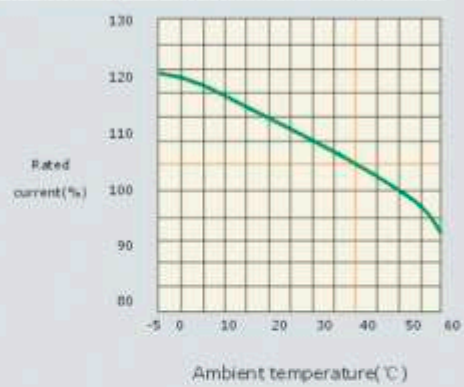
Curves(for power distribution)

Curves

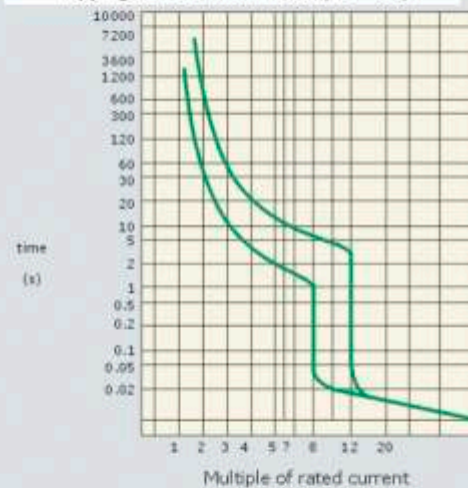
Tripping curve of KCM1-100S (16 ~ 32)



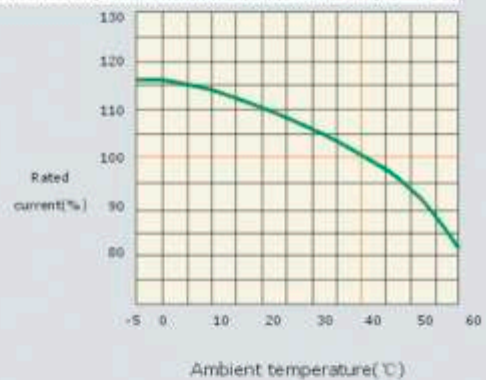
Temperature compensation curve of KCM1-100S (16 ~ 32)



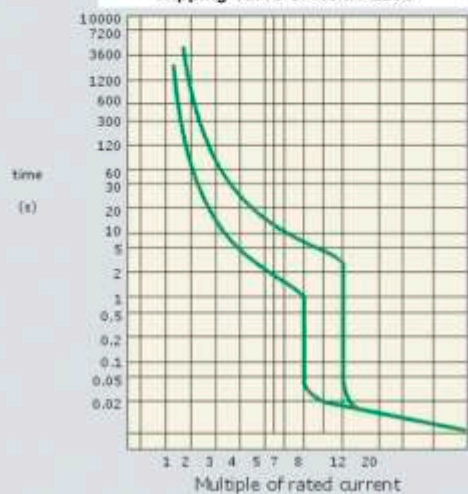
Tripping curve of KCM1-100S (40 ~ 100)



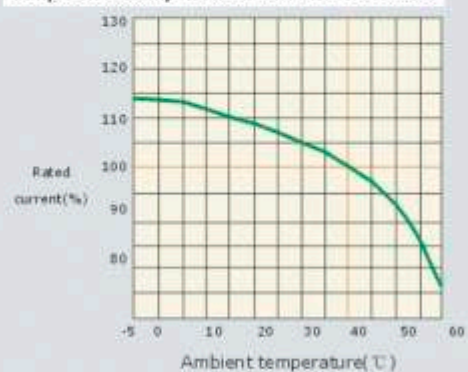
Temperature compensation curve of KCM1-100S (40 ~ 100)

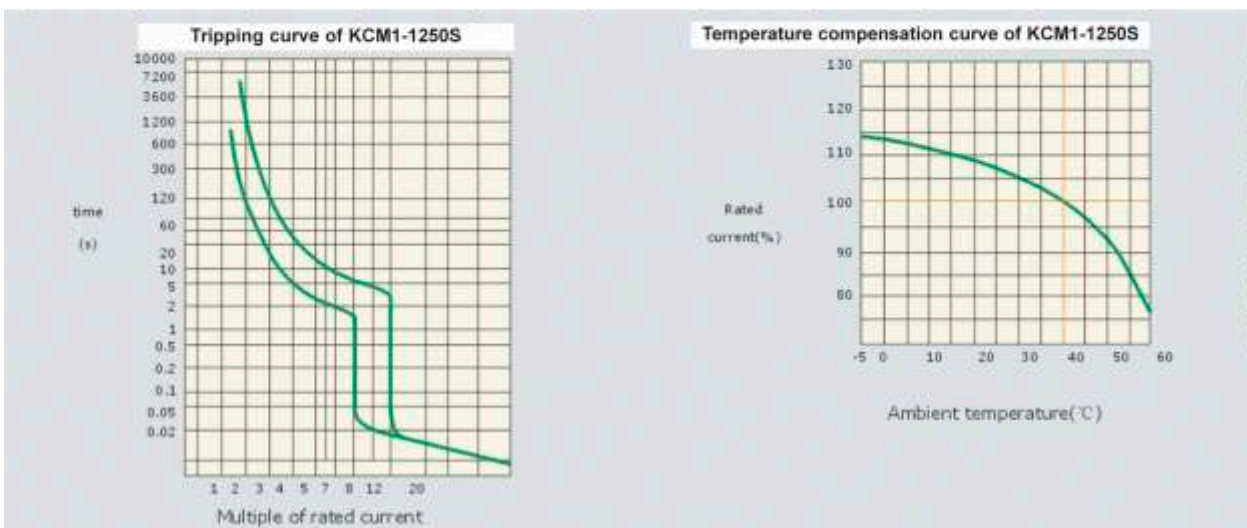
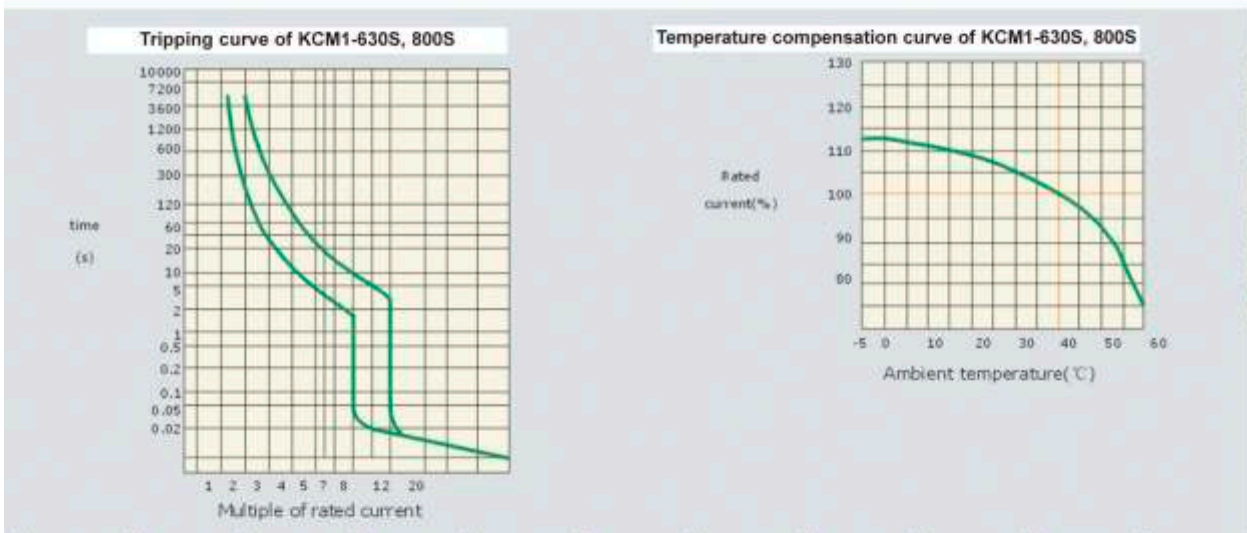
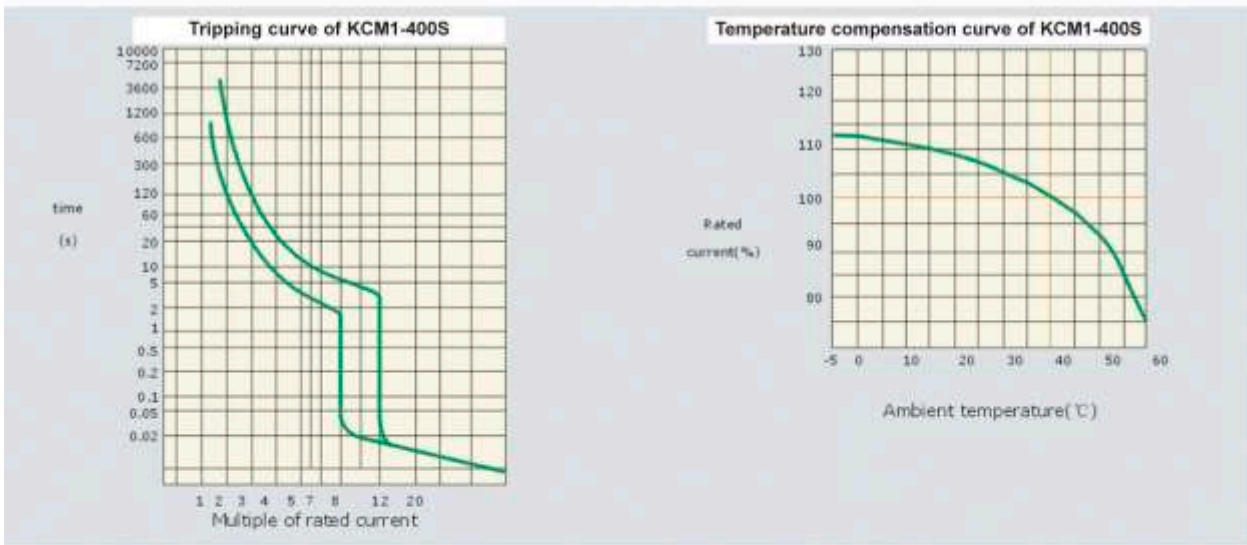


Tripping curve of KCM1 225S



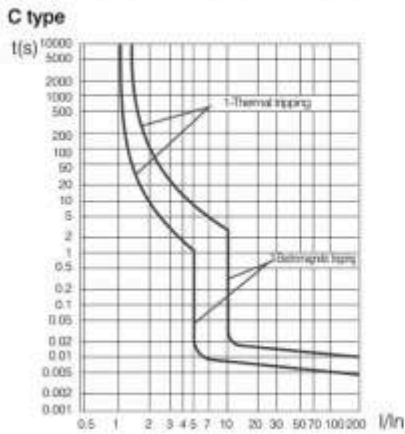
Temperature compensation curve of KCM1-225S







### KC3 tripping curves

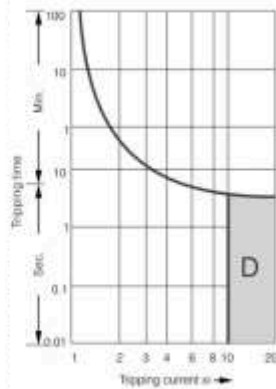
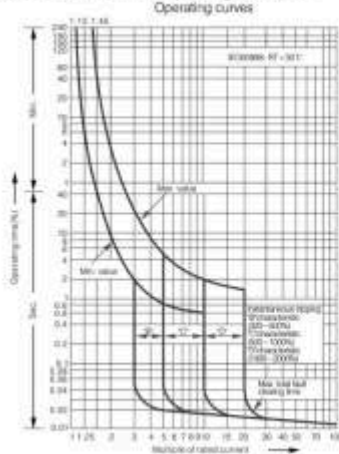


### SPECIFICATION SHEET - TRIPPING CURVES

#### KC3 temperature compensation correction

In A	Temperature compensation coefficient under various operational temperature								
	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	55°C	60°C
1-6	1.20	1.14	1.09	1.05	1.00	0.96	0.80	0.75	0.70
10-32	1.18	1.12	1.08	1.04	1.00	0.96	0.92	0.88	0.84
40-60	1.16	1.12	1.08	1.03	1.00	0.9	0.87	0.83	0.80

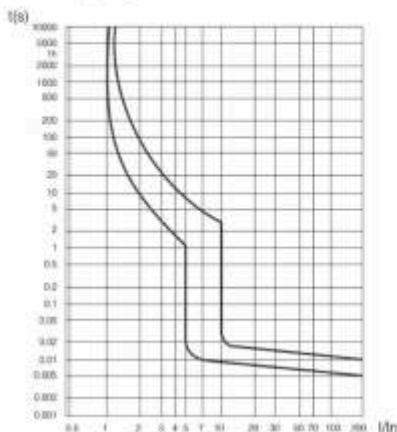
### KC6-T, KC10-T tripping curves



#### KC6-T, KC10-T series including 6KA, 10KA MCBS

Nominal current of MCB(A)	Internal resistance (mohm)	Power loss (W)	Max impedance of impedance loop(Ohm)			Thermal correction of nominal currents				
			Character			Ambient temperature				
			B	C	D	20°C	30°C	40°C	50°C	60°C
1	1215.69	1.24	46.20	25.70	14.40	1.05	1	0.95	0.90	0.85
2	343.28	1.38	21.60	12.02	6.73	2.08	2	1.92	1.84	1.74
3	128.09	1.15	16.90	9.40	5.26	3.18	3	2.82	2.61	2.37
4	105.53	1.68	10.68	5.94	3.33	4.24	4	3.76	3.52	3.24
6	29.22	1.08	7.14	3.97	2.22	6.24	6	5.76	5.52	5.30
10	14.49	1.55	3.87	2.15	1.21	10.60	10	9.30	8.60	7.80
16	10.00	2.56	2.24	1.25	0.70	16.80	16	15.20	14.20	13.30
20	8.02	3.32	1.55	0.86	0.48	21.00	20	19.00	17.80	16.80
25	3.11	2.00	2.43	1.35	0.76	26.20	25	23.70	22.20	20.70
32	3.05	3.17	1.27	0.71	0.40	33.50	32	30.40	28.40	27.50
40	2.16	3.40	0.60	0.33	0.19	42.00	40	38.00	35.60	33.20
50	1.65	4.20	0.71	0.39	0.22	52.50	50	47.40	44.00	40.50
63	1.68	6.30	0.47	0.32	0.15	66.20	63	58.00	54.20	49.20

### KCN tripping curves



#### KCN temperature compensation correction

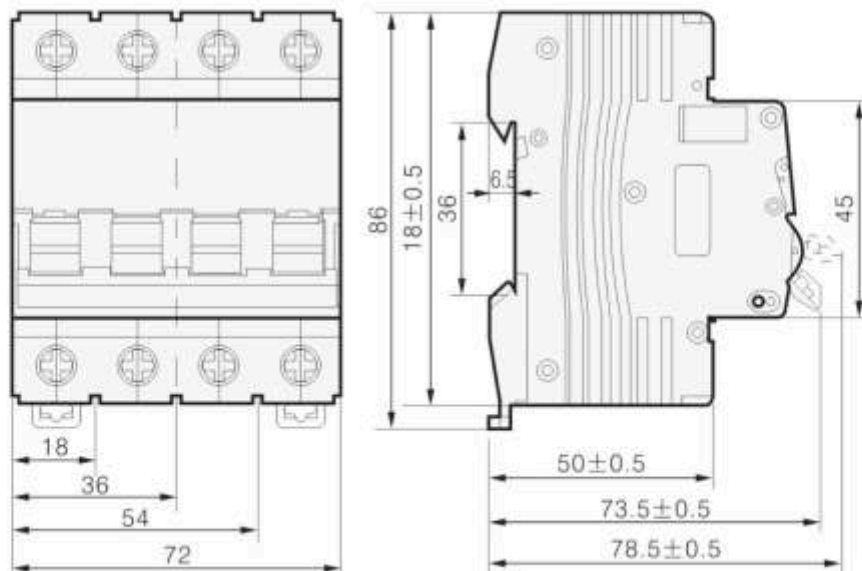
In A	Temperature compensation coefficient under various operational temperature				
	20°C	30°C	40°C	50°C	60°C
6	6.4	6	5.6	5.1	4.6
10	10.5	10	9.4	8.8	8.1
16	17.5	16	14.4	14	13.3
20	21	20	18.8	17.6	16.2
25	26	25	23.4	21.9	19.9
32	34	32	29.9	27.4	24.8



### KCM SWITCH DISCONNECTORS ELECTRICAL CHARACTERISTICS

Thermal rating(Hh)	16-32A	40-63A	100-125A
Connection	flexible	1.5 to 25mm <sup>2</sup>	6 to 35mm <sup>2</sup>
	rigid	1.5 to 16mm <sup>2</sup>	4 to 50mm <sup>2</sup>
Isolating voltage(Hi)	250-400V~	250-400V~	250-400V~
Impulse withstand voltage(vimp)	4kV	4kV	4kV
Operating category	AC 22A <sup>m</sup>	AC 22A <sup>m</sup>	AC 22A <sup>m</sup>
Permissible nominal current(Icw)	750A	1700A	2500A
Breaking capacity in short-circuit(Icw)	1500A	3000A	3700A
No. of electrical operations	>30 000	>30 000	>30 000
Protection index	IP 2x wired	IP 2x wired	IP 2x (>25mm <sup>2</sup> )

KCM-T



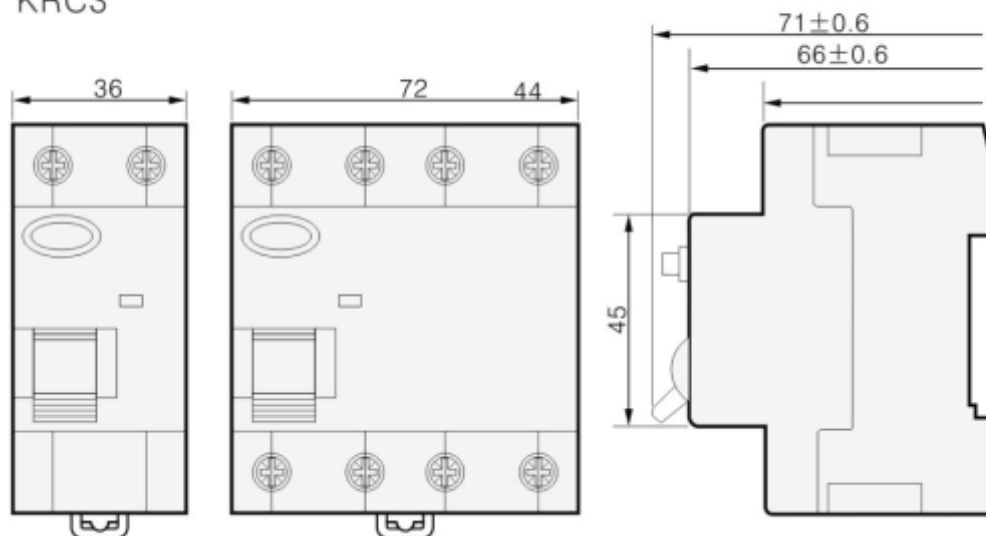
## SPECIFICATION SHEET - EARTH LEAKAGE UNITS

KRC3

Standard	Confirming to EN61009
Protection	Ground fault and over current
Rated current, I <sub>n</sub>	16,25,40,63,80
Number of poles	2(1+N),4(3+N)pole
Rated sensitivity currents, I <sub>Δn</sub>	10,30,100,300,500mA
Rated residual	0.5×I <sub>Δn</sub>
Rated voltages	2pole (2pole) 240VAC 4pole 240/415VAC
Residual current off-time at I <sub>Δn</sub>	≤0.1s
Rated making capacity, I <sub>m</sub>	500A for I <sub>n</sub> =25,32,40A 630A for I <sub>n</sub> =63,80A
Rated conditional short-circuit current, I <sub>nc</sub>	1500A for I <sub>n</sub> =25,32,40A 3000A for I <sub>n</sub> =63A
Type of trip	Electro-magnetec release
Type of terminal	Lug type
Terminal capacity	Cables up to 35mm <sup>2</sup>
Installation	35mm DIN rail
Slot size	45mm

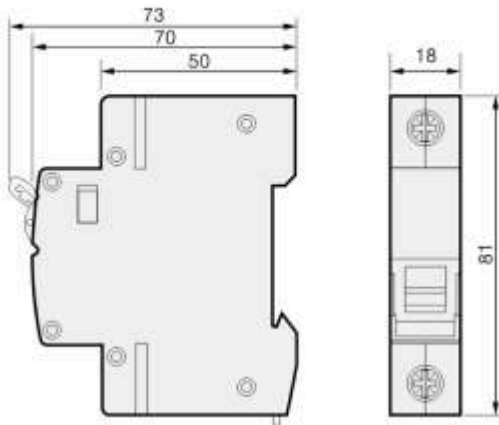
### Dimensions

KRC3

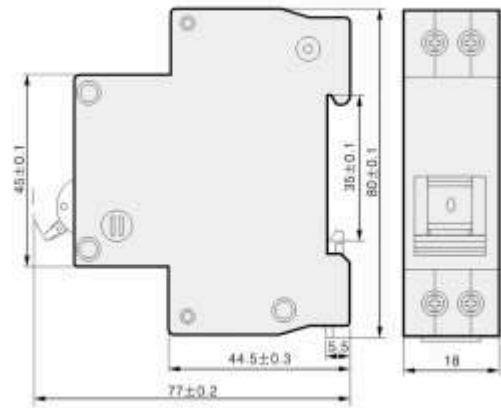


**SPECIFICATION SHEET - DIMENSIONS**

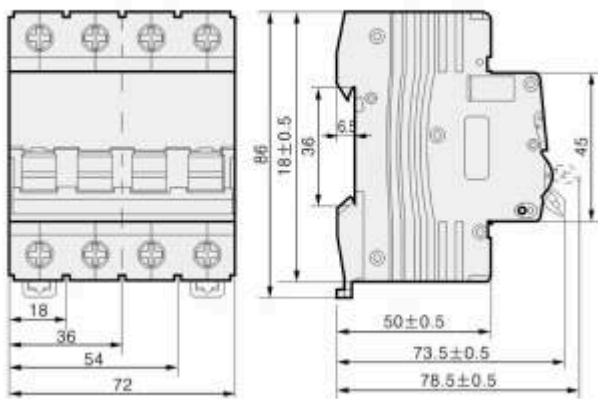
KC3



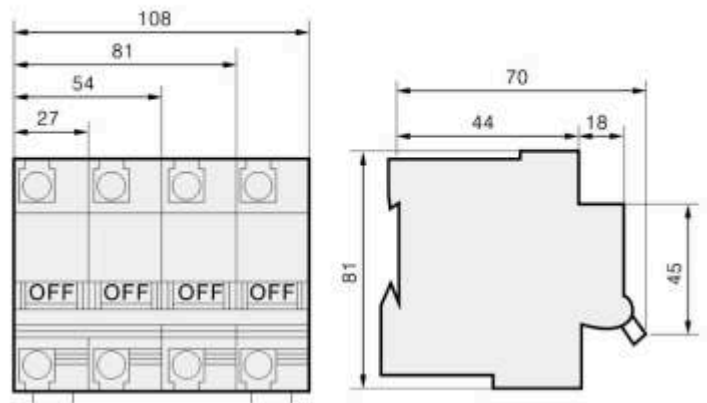
KCN



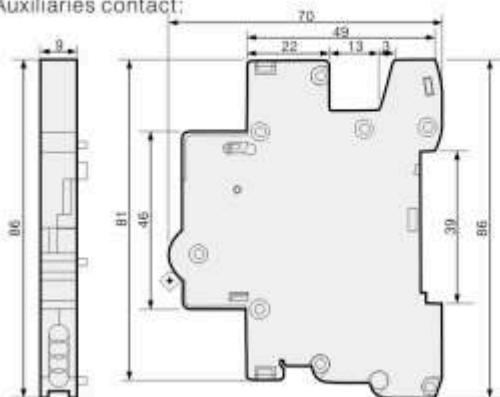
KC6-T, KC10-T



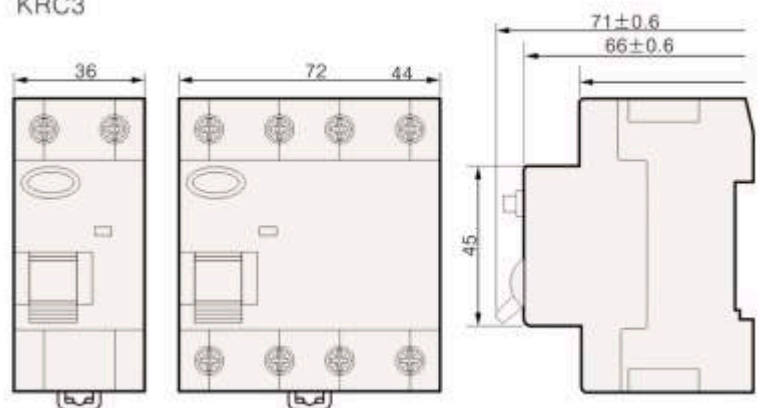
KC6-100



Auxiliaries contact:



KRC3





**CATEGORY**

**AC1**

Applies to all types of AC load with a power factor of less than 0.95. (i.e. Non-inductive or slightly inductive loads).  
 Application examples: heating, distribution

**CATEGORY**

**AC2**

This category applies to the starting, plugging, inching and switching off of slip-ring motors.

On closing, the contactor makes the starting current, which is approx. 2,5 times the rated current of the motor.

On opening, the contactor breaks the starting current at a voltage that is less than or equal to that of the mains supply voltage.

**CATEGORY**

**AC3**

Applies to squirrel cage motors with switching off during normal running.

On closing, the contactor makes the starting current which is between 5 and 7 times the rated current of the motor.

On opening, the contactor breaks the rated motor current : at this point the voltage at the contactor pole terminals is approx. 20% of the mains supply voltage. breaking is light.

Application examples: all standard squirrel cage motors, lifts, escalators, conveyors, bucket elevators, compressors, pumps, mixers, air conditioning units, etc

**CATEGORY**

**AC4**



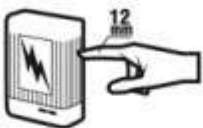

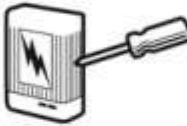

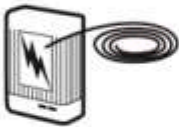

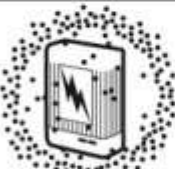





This category applies to with plugging and inching (jogging) of squirrel cage motors. On closing, the contactor makes a current which may be as high as 5 or 7 times the rated motor current. On opening, the contactor breaks the same current at a voltage which is higher the lower the motor speed. This voltage can be the same as the mains voltage. Breaking is severe.

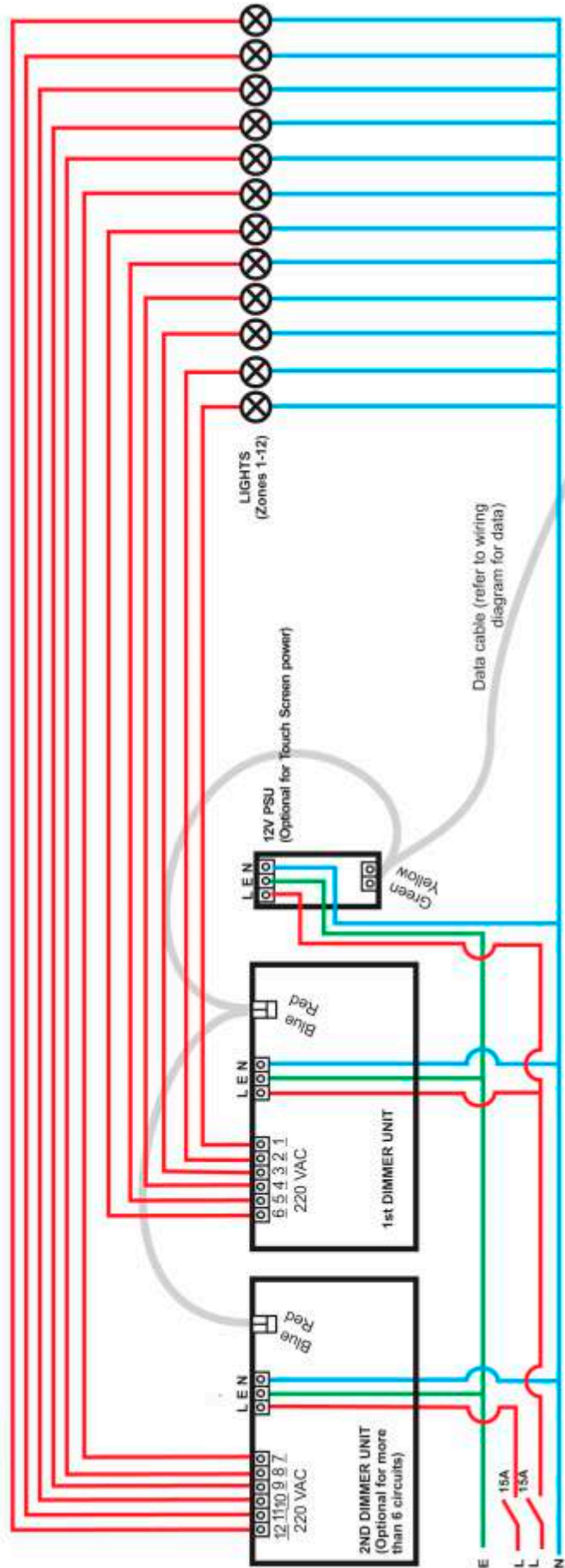
Examples: printing machines, wire drawing machines, cranes and hoists, metallurgy

**STAR DELTA COMPONENT LIST**

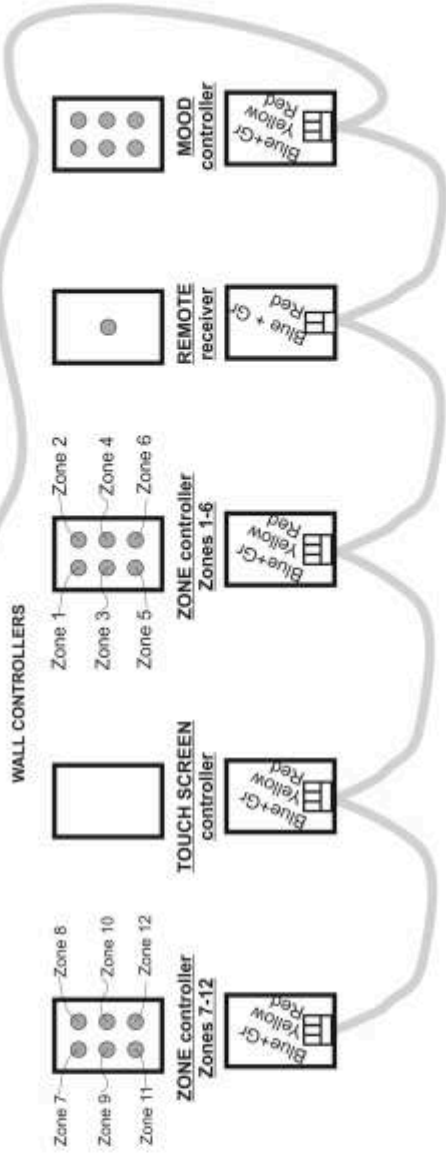
kW Rating	Main Contactor	Delta Contactor	Star Contactor	Overload Relay	Mech Interlock	Timer	Enclosure MCE-***/O	Isolator	Ammeter
5,5kW	MCE-D1210	MCE-D1201	MCE-D1201	MCE2-25 8,0	CA9-D01	MCEA-DT2	103 TO 107	25A	72m <sup>2</sup> -0-20/40A
7,5kW	MCE-D1210	MCE-D1201	MCE-D1201	MCE2-25 10	CA9-D01	MCEA-DT2	103 TO 107	25A	72m <sup>2</sup> -0-20/40A
11kW	MCE-D1210	MCE-D1201	MCE-D1201	MCE2-25 13	CA9-D01	MCEA-DT2	103 TO 107	25A	72m <sup>2</sup> -0-30/60A
15kW	MCE-D1810	MCE-D1801	MCE-D1201	MCE2-25 18	CA9-D01	MCEA-DT2	103 TO 107	40A	72m <sup>2</sup> -0-40/80A
18,5kW	MCE-D2510	MCE-D2501	MCE-D1801	MCE2-25 25	CA9-D01	MCEA-DT2	103 TO 107	63A	72m <sup>2</sup> -0-60/5A
22kW	MCE-D3210	MCE-D3201	MCE-D1801	MCE2-36 32	CA9-D01	MCEA-DT2	103 TO 107	63A	72m <sup>2</sup> -0-60/5A
30kW	MCE-D3210	MCE-D3201	MCE-D2501	MCE2-36 32	CA9-D01	MCEA-DT2	103 TO 107	63A	72m <sup>2</sup> -0-75/5A
37kW	MCE-D5011	MCE-D5011	MCE-D4011	MCE2-93 50	CA9-D02	MCEA-DT2	111 TO 114	100A	72m <sup>2</sup> -0-100/5A
45kW	MCE-D6511	MCE-D6511	MCE-D4011	MCE2-93 65	CA9-D02	MCEA-DT2	111 TO 114	125A	72m <sup>2</sup> -0-100/5A
55kW	MCE-D8011	MCE-D8011	MCE-D5011	MCE2-93 65	CA9-D03	MCEA-DT2	111 TO 122	160A	72m <sup>2</sup> -0-150/5A
75kW	MCE-D9511	MCE-D9511	MCE-D6511	MCE2-93 80	CA9-D03	MCEA-DT2	111 TO 122	160A	72m <sup>2</sup> -0-200/5A
90kW	MCE-F115	MCE-F115	MCE-D8011	MCE2-93 120	-	MCEA-DT2	127	200A	72m <sup>2</sup> -0-250/5A
110kW	MCE-F150	MCE-F150	MCE-D9511	MCE2-D43 120	-	MCEA-DT2	127	250A	72m <sup>2</sup> -0-300/5A
132kW	MCE-F185	MCE-F185	MCE-F115	MCE2-D43 140	-	MCEA-DT2	127	250A	72m <sup>2</sup> -0-300/5A
160kW	MCE-F185	MCE-F185	MCE-F115	CT + O/Load	-	MCEA-DT2	127	315A	72m <sup>2</sup> -0-400/5A
200kW	MCE-F265	MCE-F265	MCE-F150	CT + O/Load	-	MCEA-DT2	127	400A	72m <sup>2</sup> -0-500/5A

### IP (Ingress Protection) Ratings Guide

SOLIDS		WATER	
<b>1</b>	 <p>Protected against a solid object greater than 50 mm such as a hand.</p>	<b>1</b>	 <p>Protected against vertically falling drops of water. Limited ingress permitted.</p>
<b>2</b>	 <p>Protected against a solid object greater than 12.5 mm such as a finger.</p>	<b>2</b>	 <p>Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.</p>
<b>3</b>	 <p>Protected against a solid object greater than 2.5 mm such as a screwdriver.</p>	<b>3</b>	 <p>Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.</p>
<b>4</b>	 <p>Protected against a solid object greater than 1 mm such as a wire.</p>	<b>4</b>	 <p>Protected against water splashed from all directions. Limited ingress permitted.</p>
<b>5</b>	 <p>Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.</p>	<b>5</b>	 <p>Protected against jets of water. Limited ingress permitted.</p>
<b>6</b>	 <p>Dust tight. No ingress of dust. Two to eight hours.</p>	<b>6</b>	 <p>Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.</p>
<p>Rating Example:</p> <p><b>IP65</b></p> <p>INGRESS PROTECTION</p>		<b>7</b>	 <p>Protection against the effects of immersion in water between 15 cm and 1 m for 30 minutes.</p>
		<b>8</b>	 <p>Protection against the effects of immersion in water under pressure for long periods.</p>



**WALL CONTROLLERS**

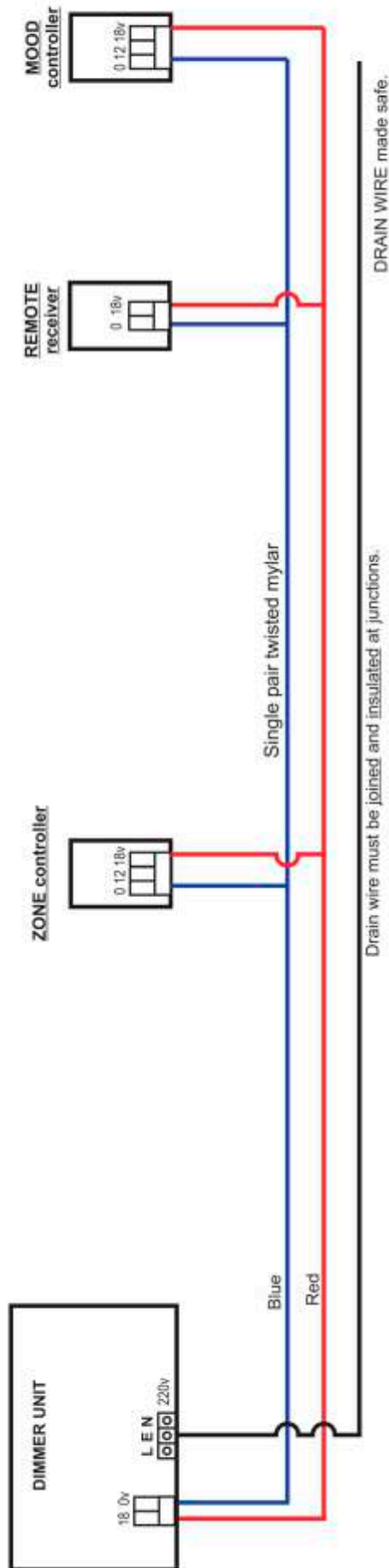


**IMPORTANT NOTES**

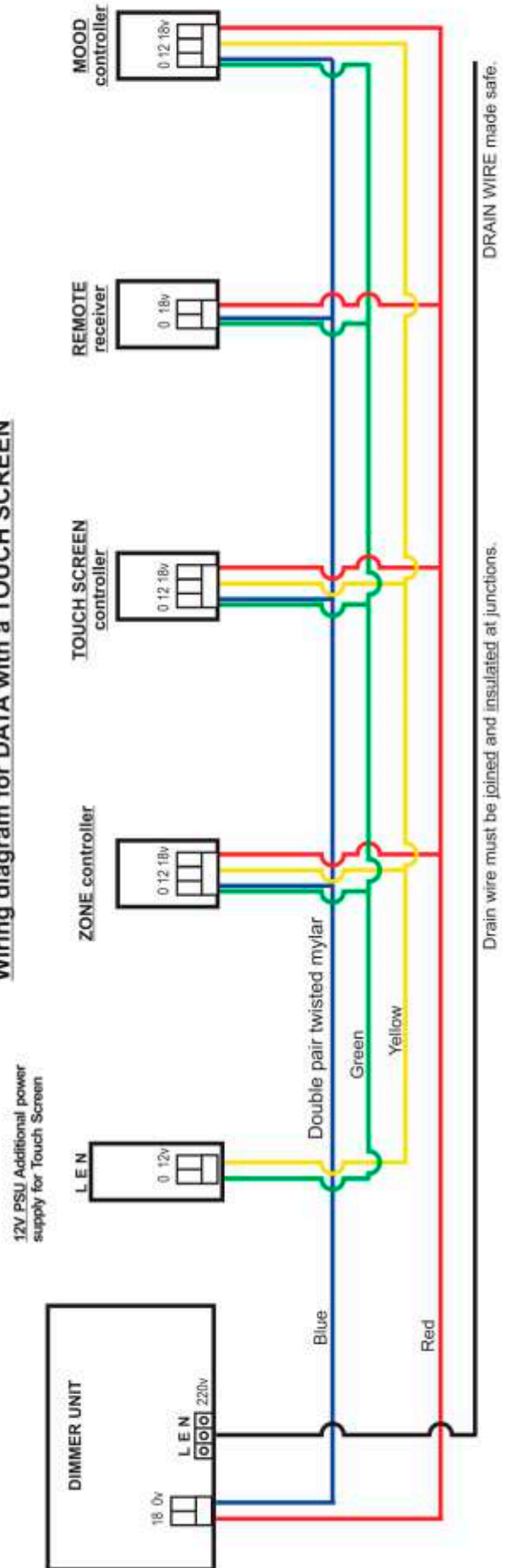
- 1/ A maximum of 7 controllers per Dimmer Unit can be used, with no more than 14x in total regardless of qty Dimmer Units.
- 2/ Max 3000 watts per Dimmer Unit with max 1000 watts per circuit.
- 3/ 15 amp max circuit breaker per Dimmer Unit.
- 4/ Dimmer Units to have separate circuits.
- 5/ If three Dimmer Units used together then on one Dimmer Unit the bridges need to be removed.
- 6/ Where transformers are required, MZ will be compatible with leading edge transformers. Those that are trailing edge only will not work. Those with both should be compatible
- 7/ 12V PSU is required for Touch Screen Controller (TSC).
- 8/ Data cable without TSC: single pair twisted mylar.
- 9/ Data cable with TSC: double pair twisted mylar.
- 10/ Data connections are polarity sensitive. Refer to schematic drg for Data connections.



**Wiring diagram for DATA without a TOUCH SCREEN**



**Wiring diagram for DATA with a TOUCH SCREEN**





### POWER ANALYSER GL7 MUT285A



Specifications			
Model	UT285A		
Parameter	Range	Accuracy	Resolution
Vrms	0.1 ~ 1000V	0.1%	0.1 V
Arms	3000A	1%(10~100%In)	0.01A
Power	9000KW	1%	0.1 W
Frequency	45~65Hz	0.01Hz	0.001Hz
Phase Angle	0~359.99°	±0.1°	0.01°
Harmonics	0~50 times	A Class	0.01V
Interharmonics	0~50 times	A Class	0.01V
Voltage Unbalance	0~50%	0.2%	0.01%
Current Unbalance	0~50%	1%	0.01%
Flicker	0.00~20.00	5%	0.01
Dip &Swell & Interrupt	0.0~200%	0.1V	0.01V
<b>General Characteristic</b>			
Power	Li-Battery 7.4V 3000mAh		
Product Color	Red and Grey		
Product Net Weight	1950g		
Product Size	263mm×168mm×60mm		
Standard Accessories	Batteries, Flexible current probe ×4		
Standard Individual Packing	Gift Box, English Manual		

## Imaging Specifications

<b>Imaging and Optical Data</b>	
IR sensor	80 × 60 (4,800 measurement pixels)
Thermal Sensitivity	<0.10°C
Field of view	41° × 31°
Minimum focus distance	Thermal: 0.15 m (0.49 ft.) MSX: 1.0 m (3.3 ft.)
Image frequency	9 Hz
Focus	Focus free
Spectral range	7.5–14 μm
3" Display (color)	320 × 240 pixels
Auto orientation	Yes
Touch screen	Yes, capacitive
<b>Image presentation modes</b>	
Thermal image	Yes
Visual image	Yes
MSX	Yes
Gallery	Yes
<b>Measurement</b>	
Object temperature range	-10°C to +150°C (14 to 302°F)
Accuracy	±2°C (±3.6°F) or 2%, whichever is greater, at 25°C (77°F) nominal
<b>Measurement Analysis</b>	
Spotmeter	On/off
Emissivity correction	Yes; matte/semi/glossy + user set
Measurements correction	Reflected apparent temperature Emissivity
<b>Set-up</b>	
Color palettes	Iron, Rainbow, Rainbow HC, Gray
Storage media	Internal memory stores at least 500 sets of images
Image file format	Standard JPEG, 14-bit measurement data included
<b>Video Streaming</b>	
Non-radiometric IR-video streaming	Yes
Visual video streaming	Yes
<b>Digital Camera</b>	
Digital camera	640 × 480 pixels
Digital camera, focus	Fixed focus
<b>Additional Information</b>	
USB, connector type	USB Micro-B: Data transfer to and from PC, iOS and Android
Battery	3.7 V Rechargeable Li-ion polymer battery
Battery operating time	2 h
Charging system	Charged inside the camera
Charging time	1.5 h
External power operation	AC adapter, 90–260 VAC input 5 V output to camera
Power management	Automatic shut-down
Operating temperature range	-10°C to +50°C (14 to 122°F)
Storage temperature range	-40°C to +70°C (-40 to 158°F)
Weight (incl. Battery)	0.13 kg (0.29 lb.)
Size (L × W × H)	125 × 80 × 24 mm (4.9 × 3.1 × 0.94 in.)
<b>System Includes</b>	
Infrared camera	
Battery (inside camera)	
Lanyard	
Power supply/charger with EU, UK, US, CN and Australian plugs	
Printed Getting Started Guide	
USB memory stick with documentation	
USB cable	



## Imaging Specifications

### General Description

The FLIR Ex series cameras are point-and-shoot infrared cameras that give you access to the infrared world. A FLIR Ex series camera is an affordable replacement for an infrared thermometer, providing a thermal image with temperature information in every pixel. The new MSX and visual formats make the cameras incomparably easy to use.

The FLIR Ex series cameras are user-friendly, compact, and rugged, for use in harsh environments. The wide field of view makes them the perfect choice for building applications.

- Easy to use: The FLIR Ex series cameras are fully automatic and focus-free with an intuitive interface for simple measurements in thermal, visual, or MSX mode.
- Compact and rugged: The FLIR Ex series cameras' low weight of 0.575 kg and the accessory belt pouch make them easy to bring along at all times. Their rugged design can withstand a 2 m drop test, and ensures reliability, even in harsh environments.
- Ground breaking affordability: The FLIR Ex series cameras are the most affordable infrared cameras on the market.

### Imaging and Optical Data

IR resolution	80 × 60 pixels
Thermal sensitivity/NETD	<0.15°C (0.27°F) / <150 mK
Field of view (FOV)	45° × 34°
Minimum focus distance	0.5 m (1.6 ft.)
Spatial resolution (IFOV)	10.3 mrad
F-number	1.5
Image frequency	9 Hz
Focus	Focus free

### Detector Data

Detector type	Focal plane array (FPA), uncooled microbolometer
Spectral range	7.5–13 μm

### Image Presentation

Display	3.0 in. 320 × 240 color LCD
Image adjustment	Automatic adjust/lock image

### Image Presentation Modes

Image modes	Thermal MSX, Thermal, Thermal blending, Digital camera.
Multi Spectral Dynamic Imaging (MSX)	IR image with enhanced detail presentation

### Measurement

Object temperature range	-20°C to +250°C (-4°F to +482°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F) and object temperature above +0°C (+32°F)

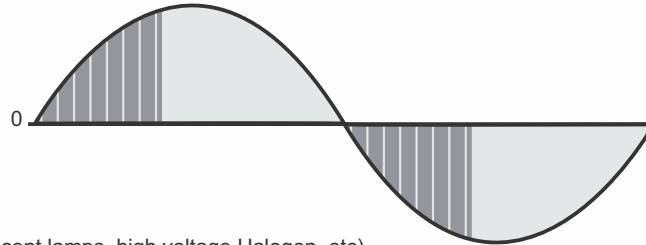
### Measurement Analysis

Spotmeter	Center spot
Emissivity correction	Variable from 0.1 to 1.0
Emissivity table	Emissivity table of predefined materials
Reflected apparent temperature correction	Automatic, based on input of reflected temperature

### TECHNICAL INFORMATION

#### LEADING & TRAILING EDGE DIMMING EXPLAINED

**LEADING EDGE DIMMING - THE EARLY PART OF EACH SINE HALF WAVE IS CHOPPED OFF**

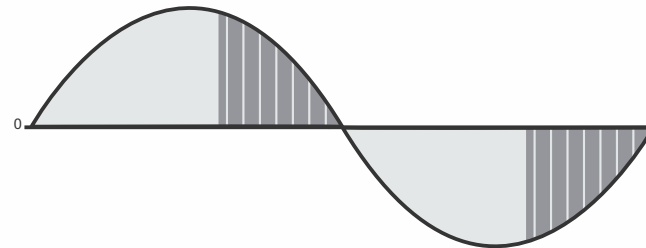


**SUITABLE FOR:**

- All resistive loads (ordinary incandescent lamps, high voltage Halogen, etc)
- Indicated with "R"
- All inductive loads (Coils, low voltage, Halogen with conventional transformer, etc.)
- Indicated with "L"

A Marking "RL" indicates the suitability of a Dimmer for resistive and inductive loads. Capacitive loads are not suitable for these dimmers (see below).

**TRAILING EDGE DIMMING - THE LATTER PART OF EACH SINE HALF WAVE IS CHOPPED OFF**



**SUITABLE FOR:**

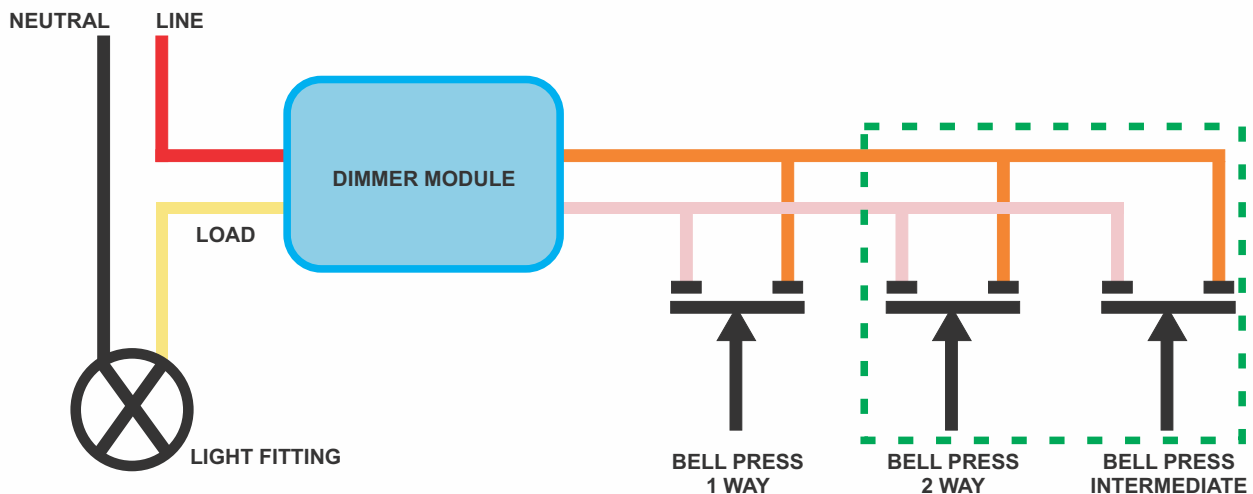
- All resistive loads
- All capacitive loads, such as Low-Voltage Halogen Transformers or primary Dimming electronic ballasts
- Indicated by "C"

Resistive loads are suitable for both dimming methods.

Dimming offers a softer mode of operation for the lamp and will extend lamp life.

**\* Do not operate inductive loads on this kind of dimmer - this will usually destroy the dimmer.**

### Bell Press Dimmer Drawing for Single & Multiple Units



R & D SABS EMI COMPLIANCE CERTIFICATE NO'S

0049531 0049532 0049533 0049534 0049535 0055464 0055465 0055466 0055467

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