

Technical specification

Electrical

Voltage rating:	110 - 130 V	50 - 60 Hz
	220 - 250 V	50 - 60 Hz
	380 - 415 V	50 - 60 Hz
	440 V	60 Hz
	480 - 500 V	50 - 60 Hz
	>50 V	100 - 300 Hz
	>50 V	301 - 500 Hz
	>50 - 250 V d.c.	
	380 - 440 V	50 - 60 Hz
	25 V	50 - 60 Hz
	50 V	50 - 60 Hz
	25 - 50 V d.c.	

Current rating: 16 Amp (ELV), 16, 32, 63 & 125 Amp

Terminal capacities

Rated current mm	Plugs, Connectors (Solid or stranded (Flexible conductors))	Switched socket-outlet sq. mm outlet sq. mm (Solid or stranded conductors)	Interlocked Switched Socket	sq.
A				
16 (ELV)	4 - 10*	4 - 10*		
16	1 - 2.5	1.5 - 4	1.5 - 10	
32	2.5 - 6	2.5 - 10	1.5 - 10	
63	4 - 16	6 - 25	6 - 25	
125	16 - 50	25 - 70	25 - 70	

*also capable of accepting 2 x 6 mm² conductors

Physical

IP rating: IP44 splashproof
IP67 watertight

Cable diameters

Rated current	No. of poles	Overall cable diameter mm max.	min.
16 (ELV)	2	24	7
16 (ELV)	3	24	7
16	2 + E	14	8.2
16	3 + E	16.5	8.9
16	3 + N + E	16.5	10.1
32	2 + E	19.5	11.7
32	3 + E	19.5	11.7
32	3 + N + E	21.5	14.2
63	2 + E	30	14
63	3 + E	30	16.5
63	3 + N + E	30	16.5
125	2 + E	49	24
125	3 + E	49	24
125	3 + N + E	49	24

Degrees of Protection

16, 32 and 63 Amp accessories are constructed to a splashproof rating IP44, as defined in BS EN 60529 - "Specification of degree of protection provided by enclosures". A further range of 16, 32, 63 and 125 Amp accessories is constructed to watertight rating IP67. See table below

Index of Protection (IP) Code

Installation

The specified Ingress Protection (IP) ratings are only achieved if the accessories are installed in accordance with the following requirements:-

1. The accessories are correctly fitted with the cable or conduit for which they are designed.
2. Plugs and appliance inlets are in complete engagement with a complementary accessory. (They cannot become live unless so engaged).
3. The surface mounted socket-outlet or appliance inlet should be mounted on a vertical surface. The knockout (drainhole) in the base must be removed and the accessory mounted with the drainhole in the lowest position.
4. The panel mounted socket-outlet should be mounted on a vertical flat, clean surface. If the surface is not flat a suitable gasket should be used. The enclosure to which the socket outlet is attached should be of at least an equivalent IP rating.

Sockets to BS 4343 must be used on radial circuits. For 16 Amp outlets the number of sockets is unlimited, but the circuit must be protected by a protective device of 20 Amp maximum rating.

Wiring

Products must be installed in accordance with current IEE Regulations. The Regulations do not preclude any circuit arrangements if they are specified by a suitably qualified engineer in accordance with the general requirements of the Regulations.