



Technical Data

Junction Boxes - Heavy Duty

Brief product description:

A first class range of essential wiring accessories required for any installation.

Heavy Duty Junction box with brass terminals and screws.

Features:

- 2 captive cover fixing screws
- Heavy duty terminals with 2 screws for each conductor
- Individual cable entry knockouts
- Cord grip at both cable entries

Product Images



4100DP



4100DP (internal view)



4100SP



4100SP (internal view)



460



4100DP (internal view)

Technical Specifications

Standard(s)	BS EN 60670
Rating	100 Amp 250V~ (4100SP, 4100DP products) 60 Amp 250V~ (460 products)
Terminal Capacity	1 x 4.0mm ² up to 1 x 35mm ² (4100SP, 4100DP products) 1 x 4.0mm ² up to 1 x 16mm ² (460 products)
No. of cable entries per terminal	6 (4100SP, 4100DP products) 2 (460 products)
No. of terminals	1 (4100SP products) 2 (4100DP products) 3 (460 products)
Covered by RoHS directive	No
Covered by WEEE directive	No
Size	66.5mm x 53mm x 42mm (4100SP products) 105mm x 66mm x 71.5mm (4100DP products) 160mm x 81mm x 40.5mm (460 products)

Junction Boxes - Heavy Duty

Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
4100SP	100A, 3W Single Pole		B.W Strip Inner		1	10	50	/	5021166 410026	5021166 410019
4100DP	100A, 3W Double Pole		B.W Strip Inner		1	5	25	/	5021166 410040	5021166 410033
460	60A, 3W Junction Box	New BG Packing	New BG Packing	New BG Packing	1	5	50	/	5021166 460021	5021166 460014

Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CMB (m ³)
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
4100SP	100A, 3W Single Pole			11.8 x 38.3 x 21.8			27000	
4100DP	100A, 3W Double Pole			11.8 x 39 x 34.5			28900	
460	60A, 3W Junction Box			33.2 x 45.5 x 21.9			15450	

Installation Information

Safety Warning

Before use please read carefully and use in accordance with these safety wiring instructions.

Before commencing any electrical work ensure the supply is **switched off at the mains**. Either by switching off the consumer unit or by removing the appropriate fuse.

Wiring should be in accordance with the latest edition of the IEE regulations (BS 7671).

Wire Identification – Twin & Earth Cable

EARTH = Green/Yellow Slewing

NEUTRAL = Black (pre Apr 04) / Blue (after Apr 04)

LIVE = Red (pre Apr 04) / Brown (after Apr 04)



Technical Helpline: 0845 194 7584

If in doubt consult a competent electrician.

The ends of the individual conductors should have the insulation removed by approx. 10mm. Any bare earth conductors should be sleeved to within 10mm of the ends.

(These details are for general information only and conductor lengths may need to be trimmed in certain installations).

For lighting circuits, use sleeving of the appropriate 'live' colour to ensure clear identification of live connections. See diagram for typical lighting circuit wiring using 4-way junction box.

To prevent fire hazard always use cable of the correct rating and type.

Junction Box – General Advice

The terminals of Junction Boxes can be used for any polarity.

Remove the central screw and remove cover to expose terminals. In multi-terminal junction boxes, take care to use only one polarity in any one group of terminals.

Position the way the cable lies, so as to pass through one of the apertures in the side of the base.

For Selective Entry boxes selecting the apertures to be used by rotating the guide marked on the lid.

When cable installations are complete, position the cover so as to block off the cable entry apertures not used in the base and tighten the screw.

Alternatively for non-selective junction boxes the required apertures can be easily broken away using a pair of pliers and with minimal force. Clean edges to remove any sharp edges.

4-Way Junction Box – For Lighting Circuit

