



# Technical Data

## Junction Boxes - Lighting

### Brief product description:

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

### Features:

- Manufactured to BS 5733
- Ideal for use in lighting applications
- Approved BS EN 60998 terminal block
- Small and unobtrusive
- Mounting holes for horizontal and vertical fixing
- Approved to VDE 0606

### Product Images



403/405/410



410 (internal view)

# Junction Boxes - Lighting

## 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
403	3-Way 3 amp	Product Label	B.W Strip Inner	B.W Strip Outer	1	10	100	/	5021166 403097	5021166 403080
405	3-Way 5 amp	Product Label	B.W Strip Inner	B.W Strip Outer	1	10	100	/	5021166 405091	5021166 405084
410	3-Way 10 amp	Product Label	B.W Strip Inner	B.W Strip Outer	1	10	100	/	5021166 410095	5021166 410088

## Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CMB (m <sup>3</sup> )
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
403	3-Way 3 amp	3.92 x 6.5 x 2.35		25.9 x 37.2 x 17.2			4100	
405	3-Way 5 amp	3.92 x 6.5 x 2.35		25.9 x 37.2 x 17.2			4800	
410	3-Way 10 amp	3.92 x 6.5 x 2.35		25.9 x 37.2 x 17.2			4800	

## 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

