



# Technical Data

## Junction Boxes - Knockout Entry

### Brief product description:

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

Junction box with cable entries in the side wall that are selectable by alignment of symbols and text on the cover.

### Features:

- Captive cover fixing screw
- Slotted terminals allowing for unbroken ring wiring
- 4 knockouts in side wall
- Available in white and brown urea

### Product Images



491W



491 (internal view)

### Technical Specifications

Standard(s)	BS EN 60670
Rating	20 Amp 250V~
Terminal Capacity	3 x 1.5mm <sup>2</sup>
No. of cable entries per terminal	1
No. of terminals	4
Covered by RoHS directive	No
Covered by WEEE directive	No
Size	59mm dia x 25mm
Fixing Centres	32mm

### 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
491	20A, 4W Terminal		Plain Inner	Plain Outer	1	20	200	/	5021166491292	5021166491285
491W	20A, 4W Terminal		Printed Inner	Printed Outer	1	20	200	/	5021166491193	5021166491186

### 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
491	20A, 4W Terminal	5.87 x 5.86 x 2.82	12.5 x 28.5 x 65	27 x 33.5 x 32.5	7.2	86	606	
491W	20A, 4W Terminal	5.87 x 5.86 x 2.82	12.5 x 28.5 x 65	27 x 33.5 x 32.5	7.2	86	606	

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## 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

