



# Technical Data

## Junction Boxes - Selective 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 Selective entries in side wall with knockouts allowing for apertures to be enlarged
- 4 knockouts in base
- Available in white and brown urea

### Product Images



### Technical Specifications

|                                   |   |
|-----------------------------------|---|
| Standard(s)                       | BS EN 60670   |
| Rating                            | 20 Amp 250V~ (604, 604W, 606, 606W products)<br>30 Amp 250V~ (603, 603W products)   |
| Terminal Capacity - L & N         | 4 x 1.5mm <sup>2</sup> (604, 604W products)<br>4 x 4.0mm <sup>2</sup> (603, 603W products)<br>3 x 1.5mm <sup>2</sup> (606, 606W products) |
| No. of cable entries per terminal | 1   |
| No. of terminals                  | 4 (604, 604W products)<br>3 (603, 603W products)<br>6 (606, 606W products)  |
| Covered by RoHS directive         | No  |
| Covered by WEEE directive         | No  |
| Size                              | 80mm dia x 31mm (604, 604W products)<br>89.5mm dia x 36mm (603, 603W products)<br>88mm dia x 30mm (606, 606W products)                    |
| Fixing Centres                    | 50.8 mm   |

# Junction Boxes - Selective Entry

## 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     |
| 604     | 20A, 4W Terminal | Clamshell      | Printed Inner | Printed Outer | 1             | 10        | 100       | /          | 5021166604296 | 5021166604289 |
| 604W    | 20A, 4W Terminal | Clamshell      | Printed Inner | Printed Outer | 1             | 10        | 100       | /          | 5021166604197 | 5021166604180 |
| 603     | 30A, 3W Terminal | Clamshell      | Printed Inner | Printed Outer | 1             | 10        | 100       | /          | 5021166603299 | 5021166603282 |
| 603W    | 30A, 3W Terminal | Clamshell      | Printed Inner | Printed Outer | 1             | 10        | 100       | /          | 5021166603190 | 5021166603183 |
| 606     | 20A, 6W Terminal | Clamshell      | Printed Inner | Printed Outer | 1             | 10        | 100       | /          | 5021166606283 | 5021166606290 |
| 606W    | 20A, 6W Terminal | Clamshell      | Printed Inner | Printed Outer | 1             | 10        | 100       | /          | 5021166606191 | 5021166606184 |

## Weights & Dimensions

| Cat No. | Description      | Dimension (W x L x H) cm |                   |                | Weight (g) |           |           | CMB (m³)  |
|---------|------------------|--------------------------|-------------------|----------------|------------|-----------|-----------|-----------|
|         |                  | Product                  | Inner Box         | Outer Box      | Each       | Inner Box | Outer Box | Outer Box |
| 604     | 20A, 4W Terminal |                          |                   |                |            |           |           | 0.021384  |
| 604W    | 20A, 4W Terminal |                          |                   |                |            |           |           | 0.021384  |
| 603     | 30A, 3W Terminal |                          |                   |                |            |           |           | 0.021384  |
| 603W    | 30A, 3W Terminal |                          |                   |                |            |           |           | 0.021384  |
| 606     | 20A, 6W Terminal | 8.75 x 8.75 x 3.2        | 16.2 x 18.2 x 9.5 | 33.5x49.5x19.5 | 148        | 96        | 760       | 0.021384  |
| 606W    | 20A, 6W Terminal | 8.75 x 8.75 x 3.2        | 16.2 x 18.2 x 9.5 | 33.5x49.5x19.5 | 148        | 96        | 760       | 0.0188325 |

## 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 Sleaving

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 pair of pliers and with minimal force. Clean edges to remove any sharp edges.

### 4-Way Junction Box – For Lighting Circuit

