



# Technical Data

## 13 Amp Fused Connection Units

### Brief product description:

A sleek and slim design with softly rounded corners will compliment any interior décor - suitable for domestic or commercial installations.

Versions of Fused Connection Units are available with Neon Indicators & Flex Outlet.

### Features:

- Fixed integrated plastic gasket to protect metal edges from moisture
- Stylish modern profile
- Available in 4 metal finishes
- Colour matched fixing screws
- Colour coded terminals with backed out captive screws for easy installation
- 2 Earth terminals
- Flush Neon Indicator on Nxx52 & Nxx53
- Cable entry on Nxx53 & Nxx55

### Product Images

#### Black Nickel



#### Polished Chrome



#### Polished Brass



#### Brushed Steel

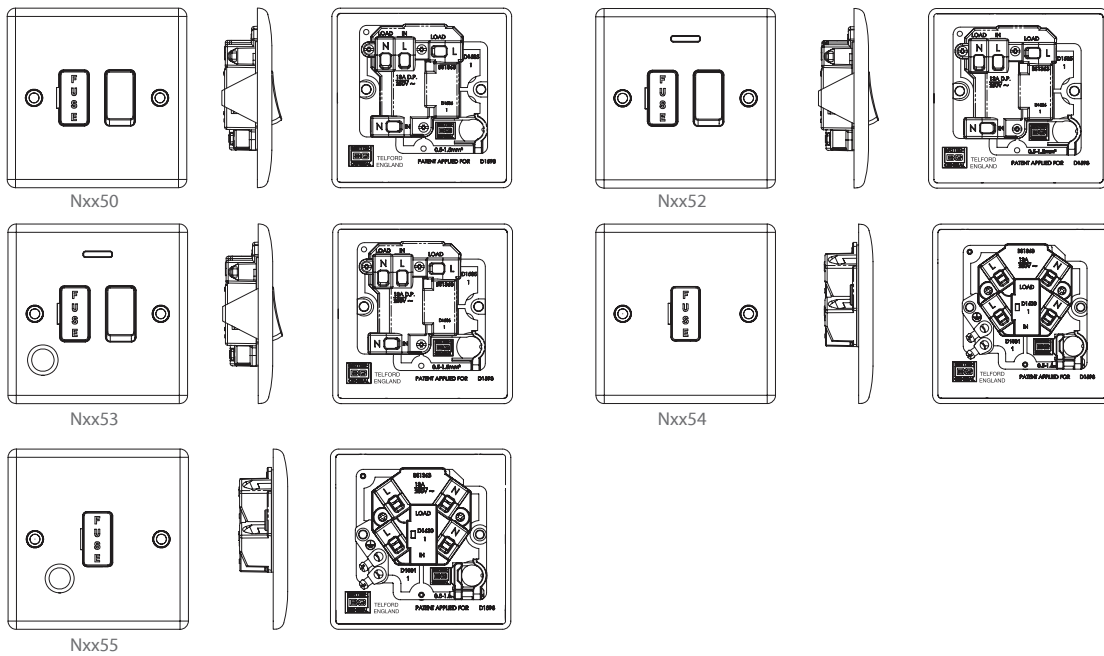


# 13 Amp Fused Connection Units

## Technical Specifications

|                         |                                                                      |
|-------------------------|----------------------------------------------------------------------|
| Standard(s)             | BS 1363 Part 4                                                       |
| Rating                  | 13 Amp 250V~                                                         |
| Switch type             | Double pole                                                          |
| Contact Gap             | 3.0mm minimum                                                        |
| Terminal Capacity       | 3 x 2.5mm <sup>2</sup> 2 x 4.0mm <sup>2</sup> 1 x 6.0mm <sup>2</sup> |
| RoHS Directive          | No                                                                   |
| WEEE Directive          | No                                                                   |
| Mounting Box Depth(Min) | 35mm                                                                 |
| Fixing Centres          | 60.3mm                                                               |
| Size                    | 86mm x 86mm x 28.8mm                                                 |

## Line Diagrams



## Weights & Dimensions

| Cat No. | Description       | Pack Quantity |           |           | Dimension (W x L x H) cm |                 |           | Weight (g) |           |           | CMB (m <sup>3</sup> ) |
|---------|-------------------|---------------|-----------|-----------|--------------------------|-----------------|-----------|------------|-----------|-----------|-----------------------|
|         |                   | Each          | Inner Box | Outer Box | Product                  | Inner Box       | Outer Box | Each       | Inner Box | Outer Box | Outer Box             |
| Nxx50   | 13A SW FCU        | 1             | 5         | 50        | 290 x 160 x 120          | 610 x 328 x 300 |           |            | 6750      | 0.060024  |                       |
| Nxx52   | 13A SW FCU + Neon | 1             | 5         | 50        | 290 x 160 x 120          | 610 x 328 x 300 |           |            | 13600     | 0.060024  |                       |
| Nxx53   | 13A SW FCU + F/O  | 1             | 5         | 50        | 290 x 160 x 120          | 610 x 328 x 300 |           |            | 13600     | 0.060024  |                       |
| Nxx54   | 13A USW FCU       | 1             | 5         | 50        | 290 x 160 x 120          | 610 x 328 x 300 |           |            | 13000     | 0.060024  |                       |
| Nxx55   | 13A USW FCU + F/O | 1             | 5         | 50        | 290 x 160 x 120          | 610 x 328 x 300 |           |            | 13500     | 0.060024  |                       |

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## Packaging Information

| Cat No. | Description      | Barcode       |               |               | Cat No. | Description      | Barcode       |               |               |
|---------|------------------|---------------|---------------|---------------|---------|------------------|---------------|---------------|---------------|
|         |                  | Individual    | Inner Box     | Outer Box     |         |                  | Individual    | Inner Box     | Outer Box     |
| NBS50   | 13A SW FCU       | 5050765018951 | 5050765019323 | 5050765019699 | NBS54   | 13A USW FCU      | 5050765018982 | 5050765019354 | 5050765019729 |
| NPC50   | 13A SW FCU       | 5050765020060 | 5050765020435 | 5050765020800 | NPC54   | 13A USW FCU      | 5050765020091 | 5050765020466 | 5050765020831 |
| NPB50   | 13A SW FCU       | 5050765021173 | 5050765021548 | 5050765021913 | NPB54   | 13A USW FCU      | 5050765021203 | 5050765021579 | 5050765021944 |
| NBN50   | 13A SW FCU       | 5050765023269 | 5050765023634 | 5050765024006 | NBN54   | 13A USW FCU      | 5050765023290 | 5050765023665 | 5050765024037 |
| NBS52   | 13A SW FCU, Neon | 5050765018968 | 5050765019330 | 5050765019705 | NBS55   | 13A USW FCU, F/O | 5050765018999 | 5050765019361 | 5050765019736 |
| NPC52   | 13A SW FCU, Neon | 5050765020077 | 5050765020442 | 5050765020817 | NPC55   | 13A USW FCU, F/O | 5050765020107 | 5050765020473 | 5050765020848 |
| NPB52   | 13A SW FCU, Neon | 5050765021180 | 5050765021555 | 5050765021920 | NPB55   | 13A USW FCU, F/O | 5050765021210 | 5050765021586 | 5050765021951 |
| NBN52   | 13A SW FCU, Neon | 5050765023276 | 5050765023641 | 5050765024013 | NBN55   | 13A USW FCU, F/O | 5050765023306 | 5050765023672 | 5050765024044 |
| NBS53   | 13A SW FCU, F/O  | 5050765018975 | 5050765019347 | 5050765019712 | NPB53   | 13A SW FCU, F/O  | 5050765021197 | 5050765021562 | 5050765021937 |
| NPC53   | 13A SW FCU, F/O  | 5050765020084 | 5050765020459 | 5050765020824 | NBN53   | 13A SW FCU, F/O  | 5050765023283 | 5050765023658 | 5050765024020 |

## 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. 12mm. Any bare earth conductors should be sleeved to within 12mm of the ends. (These details are for general information only and conductor lengths may need to be trimmed in certain installations).

### General Installation Instructions

- 1) If using the new product to replace an old one, note the cable connections and wire up new product in the same way as the old one, with Earthing as stated in these instructions.
- 2) Ensure the mounting box (metal or patress) for either flush or surface mounting is the appropriate size for the product.
- 3) Route the cable through the most suitable entry point of the mounting box. If a metal box is used, a protective cable grommet should be used.
- 4) Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors so that an adequate length enters the terminals.
- 5) Carefully arrange the wiring to lie along the edges of the product or box, keeping the central area clear.
- 6) To assist with the correct installation please consult the appropriate wiring diagram on this leaflet.
- 7) When connecting the new accessory ensure that only the bare end of the wire enters the terminal, and no bare wires are visible. Always tighten the terminal screws securely, but do not overtighten. An earth connection should always be made between the mounting box earth terminal, and the accessory earth terminal, where fitted. If this earth wire is bare, it is essential that it is sheathed with a length of green/yellow sleeving.
- 8) Carefully position the accessory into the wall box, ensuring that no wires are trapped between the plate and the wall. Do not overtighten the screws. (Fit screw covers + clip-on)
- 9) Once work has been completed correctly, replace the fuse for the circuit, switch the power back on, and test.

The product is now ready for use.

\* Note - If your installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.

### Decorative Front Plate Fixing

Fixing method varies depending on which product range is supplied. Always ensure wall surface is reasonably flat and smooth, with no bumps or projections.

Metal Front plates WITH screw fixing holes. These products comprise main unit with integral front plate and rear gasket. Fix unit to back box using two fixing screws supplied.

Front plates WITHOUT screw fixing holes. These products comprise main unit with integral gasket, and front plate as separate item. Fix unit to back box using two fixing screws supplied.

Clip front plate onto main assembly, ensuring screwdriver notch is located bottom right hand corner. To remove plate, place medium size flat bladed screwdriver in notch and lever off against gasket.

For all Decorative Plates - It is essential the gasket is fitted between product and wall, to reduce possibility of discolouration of front plate edges due to natural moisture in some wall finishes.

To keep the finish of this product, wipe over with soft cloth periodically.

All Decorative products MUST have an earth connection between the front-plate and back box

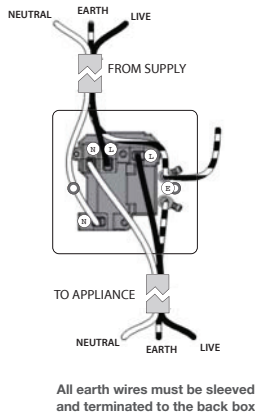
# 13 Amp Fused Connection Units

## Installation Information

### Switched FCU Without Flex Outlet

This product has no cable entry, and should only be used for "hard"wired installations.

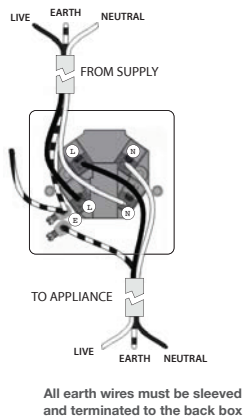
Connect the cables as shown in the diagram.



### Unswitched FCU Without Flex Outlet

This product has no cable entry, and should only be used for "hard"wired installations.

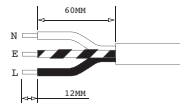
Connect the cables as shown in the diagram.



### Switched FCU With Flex Outlet

The flex outlet arrangement comprises a fixed portion integral to the main unit and a movable clamp portion, held in place by a screwed fixing. The appliance cable exits through the aperture on the front/bottom face of the unit.

1. Prepare the flexible cable from the appliance as shown in the diagram below.\*



\*NOTE - The cord clamps are reversible and should be orientated to suit cable size to give proper clamping.

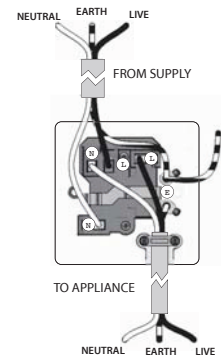
2. Loosen the cord grip screw fixing and pass cable through aperture.
3. Connect wires as shown in diagram.
4. Adjust protrusion of cable in clamp so that wires are not taugt and then fully tighten clamp to securely grip cable outer sheath. DO NOT clamp on individual wires.

#### Important

The cable MUST be clamped tight on outer sheath to ensure the cable connections are not damaged or disconnected through subsequent movement of cable or appliance.

### Flex Outlet Method – Plastic Front Plates

Cable Exits From Supply On The Bottom Face



All earth wires must be sleeved and terminated to the back box

### Replacing The Fuse

1. Using a flat bladed screw-driver, carefully lever open the fuse carrier.
  2. Pull the carrier out and replace the fuse.
- Note - the fuse carrier cannot be fully removed from the product.
3. Fit a new fuse (to BS1362) and push the carrier home so it sits flush with the surface of the faceplate.

If the new fuse fails again, check the connected appliance as it may be faulty or the total load of 13 Amps, 3120 Watts has been exceeded.

For a 3 Amp connection unit the total load should not exceed 720 Watts.