



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

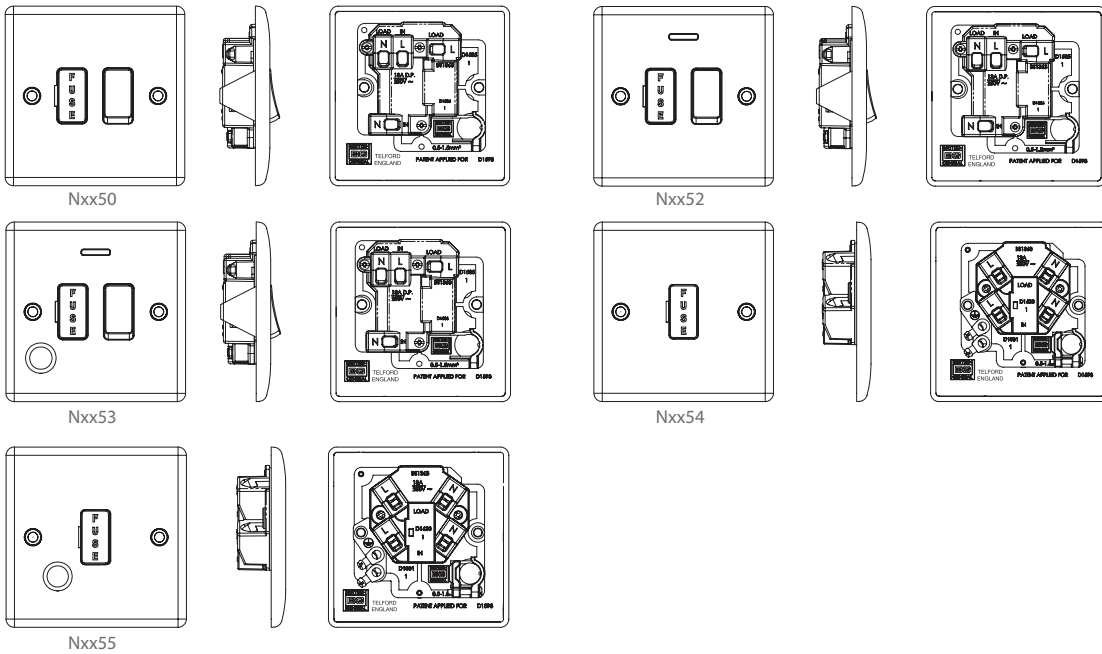


13 Amp Fused Connection Units

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 ² 2 x 4.0mm ² 1 x 6.0mm ²
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 ³)
		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	

13 Amp Fused Connection Units

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 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. 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 sleaving.
- 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

To maintain the high quality appearance of decorative finish switches and sockets, BG Electricals recommend the use of a soft cloth periodically to clean the front face. When installing a decorative product please ensure that the wall is decorated, finished and free of moisture prior to installation. Please note that it can take several weeks for the chemicals in paint or wallpaper paste to become inert. Before this time there is a danger that they will react with the product if it has a metal faceplate.

BG recommends avoiding using, but not restricted to, the substances from becoming in contact with the decorative metal front-plates when cleaning or decorating;

- Adhesive tape, including masking tape
- Solvents
- White spirit
- Multi surface cleaners
- Industrial multipurpose cleaning wipes
- Wet wipes

Using these items like those listed above may cause a degrading effect to the front-plates lacquer/plated finish, although the function will remain unaffected.

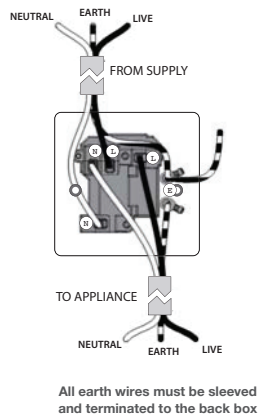
13 Amp Fused Connection Units

Installation Information

Switched FCU Without Flex Outlet

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

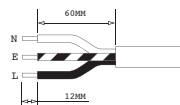
Connect the cables as shown in the diagram.



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.

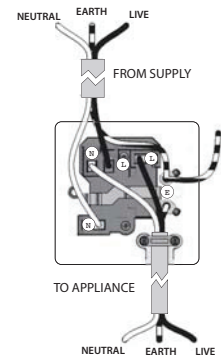
2. Loosen the cord grip screw fixing and pass cable through aperture.
3. Connect wires as shown in diagram.
4. Adjust protrusion of cable in clamp so that wires are not taugth and then fully tighten clamp to securely grip cable outer sheath. DO NOT clamp on individual wires.

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

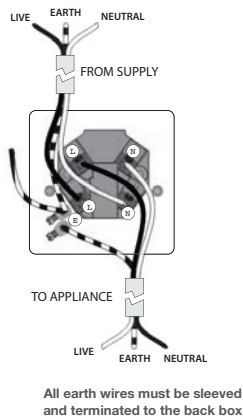


All earth wires must be sleeved and terminated to the back box

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.



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.