



Technical Data

13 Amp Fused Connection Units

Brief product description:

The screwless slim line design in a range of finishes will blend with any 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
- Under 5mm thick
- Flat profile with rounded edges
- Available in 4 metal finishes
- Secure easy "Clip on, Clip off frontplate design
- Colour coded terminals with backed out captive screws for easy installation
- Flush Neon Indicator on Fxx52 & Fxx53
- Cable entry on Fxx53 & Fxx55

Product Images

Black Nickel



FBN50

FBN52

FBN53

FBN54

FBN55

Polished Chrome



FPC50

FPC52

FPC53

FPC54

FPC55

Polished Brass



FPB50

FPB52

FPB53

FPB54

FPB55

Brushed Steel



FBS50

FBS52

FBS53

FBS54

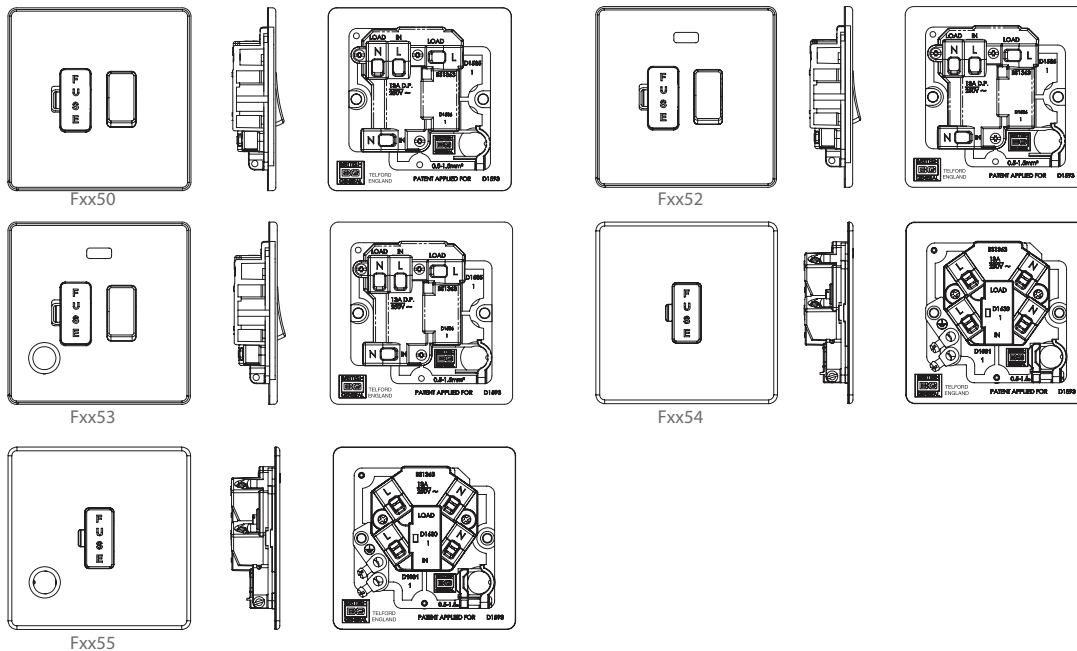
FBS55

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	87.4mm x 87.4mm 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
Fxx50	13A SW FCU	1	10	100	3.3 x 9 x 9.2	20 x 18 x 9.8	41.5 x 52.5 x 19	190.4	2004	20826	0.060024
Fxx52	13A SW FCU + Neon	1	10	100	3.3 x 9 x 9.2	20 x 18 x 9.8	41.5 x 52.5 x 19	188	1980	20586	0.060024
Fxx53	13A SW FCU + F/O	1	10	100	3.3 x 9 x 9.2	20 x 18 x 9.8	41.5 x 52.5 x 19	190	2000	20786	0.060024
Fxx54	13A USW FCU	1	10	100	3.3 x 9 x 9.2	20 x 18 x 9.8	41.5 x 52.5 x 19	187.4	1974	20526	0.060024
Fxx55	13A USW FCU + F/O	1	10	100	3.3 x 9 x 9.2	20 x 18 x 9.8	41.5 x 52.5 x 19	175.8	1858	19366	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
FBS50	13A SW FCU	5050765006316	/	/	FBS54	13A USW FCU	5050765006347	/	/
FPC50	13A SW FCU	5050765005388	/	/	FPC54	13A USW FCU	5050765005418	/	/
FPB50	13A SW FCU	5050765008556	/	/	FPB54	13A USW FCU	5050765018609	/	/
FBN50	13A SW FCU	5050765006811	/	/	FBN54	13A USW FCU	5050765006842	/	/
FBS52	13A SW FCU, Neon	5050765006323	/	/	FBS55	13A USW FCU, F/O	5050765006354	/	/
FPC52	13A SW FCU, Neon	5050765005395	/	/	FPC55	13A USW FCU, F/O	5050765005425	/	/
FPB52	13A SW FCU, Neon	5050765018586	/	/	FPB55	13A USW FCU, F/O	5050765018616	/	/
FBN52	13A SW FCU, Neon	5050765006828	/	/	FBN55	13A USW FCU, F/O	5050765006859	/	/
FBS53	13A SW FCU, F/O	5050765006330	/	/	FPB53	13A SW FCU, F/O	5050765018593	/	/
FPC53	13A SW FCU, F/O	5050765005401	/	/	FBN53	13A SW FCU, F/O	5050765006835	/	/

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

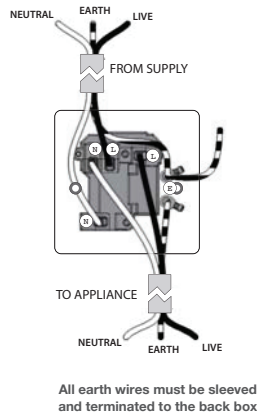
13 Amp Fused Connection Units

Installation Information

Switched FCU Without Flex Outlet

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

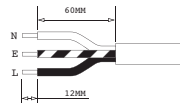
Connect the cables as shown in the diagram.



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.

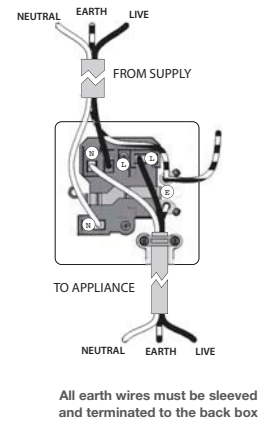
- Loosen the cord grip screw fixing and pass cable through aperture.
- Connect wires as shown in diagram.
- Adjust protrusion of cable in clamp so that wires are not taugted and then fully tighten clamp to securely grip cable outer sheath. DO NOT clamp on individual wires.

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

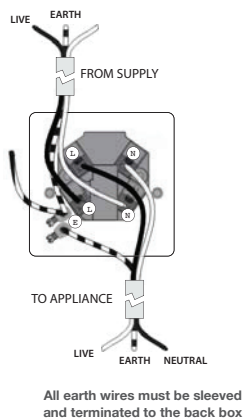
Cable Exits From Supply On The Bottom Face



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

- Using a flat bladed screw-driver, carefully lever open the fuse carrier.
- Pull the carrier out and replace the fuse.
- Note - the fuse carrier cannot be fully removed from the product.
- 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.

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.