

SF0100 100A (AC21) Fused Switch (AMD3)

Instruction Leaflet DOC:SF01002021



FuseBox®

1 Technical information

- 1a METAL consumer unit must be installed by a qualified electrician in accordance with the current IET Wiring Regulations BS 7671.
- 1b Total load must not exceed the rating of the incoming isolator or any additional limitation.
- 1c The Consumer Unit and associated components have been manufactured to the following specifications:

Standards (TABLE 1)

Device	Standard
Consumer Unit	EN 61439-3
Main Switch	IEC EN 60947-3
Fuse Holder	IEC 60947-3
Fuses	IEC 60269-2
IP RATING	IP20

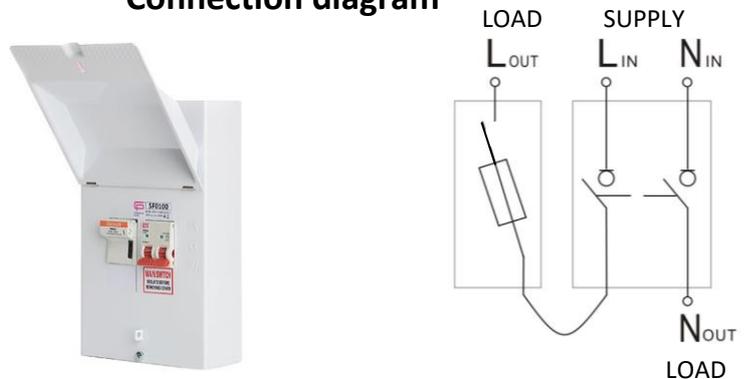
Torque Settings (TABLE 2)

Device	Max Cable Capacity	Recommended Torque
Main Switch	35mm ²	2.5Nm
Fuse Holder	35mm ²	4.0Nm
Earth Terminals	16mm ²	2.5Nm

Technical (TABLE 3)

Maximum load	100A /AC21
Number of Poles	1P + N
Fuse Size	22x58mm (cylinder)
Fuse Ratings	63, 80, 100A
Fuse Type	gG (General purpose for conductor protection)
Enclosure	Steel
Dimensions (mm)	H 260 x W 156 x D 94
Knockouts (mm)	25 + 32 top and bottom
Padlock facility	YES

Connection diagram



2 Enclosure Mounting

- 2a Remove 2 screws which attach front cover to base and lift off front cover.
- 2b Ensure main switch is in the OFF position and that NO fuse is fitted in the fuse holder.
- 2c Remove **minimum** appropriate knockouts with a punch. **In order to maintain the IP rating and fire containment of the enclosure we recommend glands are used.**
- 2d Fix base to wall using 3 screws and rawl plugs as appropriate **and remove any debris from inside the enclosure.**

3 Connection of Tails

- 3a Route SUPPLY(IN) and LOAD(OUT) cables to the desired positions (**see connection diagram above**).
- 3b Cut and dress the SUPPLY cables and earth conductor and route **L** and **N** through the **tail clamp**, fixed to the base of the enclosure with 2 screws, above the incomer.
- 3c Connect into the appropriate terminals **L & N** on main switch and earth into the terminal bar and torque all connections.
- 3d Connect **L** load cable to top terminal of fuse holder (**L**OUT), and **N** load (**N**OUT).
- 3e Tighten tail clamp once the connections have been made into the main switch.
- 3f An earth cable is supplied in the accessory pack which must be fitted between the front cover and the earth terminal bar.
- 3g Refit front cover and select and fit correct fuse into the fuse holder for the installation –63A, 80A or 100A gG fuses supplied.

Before fitting the front cover, check all connections including factory made connections are TORQUED.

Loose connections can cause fires!!!!

4 Testing

- 4a After completion of the installation, it must be tested in accordance with the latest edition of the IET Wiring Regulations for Electrical Installations (BS 7671).

Environment

WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF IN HOUSEHOLD WASTE. CONTACT YOUR RETAILER OR LOCAL AUTHORITY FOR RECYCLING INFORMATION.



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After installation and testing of this product it is essential that the INSTRUCTION LEAFLET is available for reference