

# SF0100RA 100A (AC21) Fused Switch

Instruction Leaflet DOC:SF0100RA2022



# 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
RCD	IEC EN 61008-1
Fuse Holder	IEC 60947-3
Fuses	IEC 60269-2
IP RATING	IP20

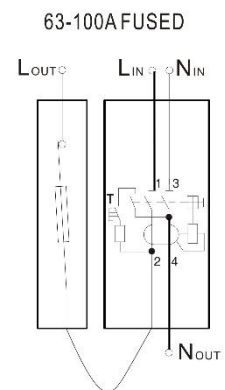
### Torque Settings (TABLE 2)

Device	Max Cable Capacity	Recommended Torque
RCD	25mm <sup>2</sup>	2.5Nm
Fuse Holder	35mm <sup>2</sup>	4.0Nm
Earth Terminals	16mm <sup>2</sup>	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 RCD 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**, *the base of the enclosure with 2 screws, above the incomer.*
- 3c Connect into the appropriate terminals **L & N** on RCD 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 RCD.
- 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