

FuseBox[®]
FuseBox
SF0100 Fused
Switch



FuseBox SF0100 Fused Switch Instruction Manual

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FuseBox[®]

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FuseBox SF0100 Fused Switch



Product Information

Specifications

Devic e	Consu mer U nit	Main Switc h	Fuse Hold er	Fuse s	IP RATI NG			
Stand ard	BS EN 61439- 3	IEC E N 609 47-3	IEC 6094 7-3	IEC 6026 9-2	IP20			
Torqu e Setti ngs	2.5Nm	4.0Nm	2.5N m					
Techni cal	SF010 0	NO	100A /AC2 1	1P + N	22x58m m (cylin der)	63, 80, 100A gG (General pu rpose for conductor protectio n)	H 260x W 163 x D 88	1×20 + 1×32 to p and bottom Y ES

Product Usage Instructions

Enclosure Mounting

1. Remove 2 screws attaching the front cover to the base and lift off the front cover.
2. Ensure the main switch is in the OFF position and no fuse is fitted in the fuse holder.
3. Remove appropriate knockouts with a punch while maintaining IP rating and fire containment.
4. Fix the base to the wall using 3 screws for SF0100 or 4 screws for SF0100T2, and remove any debris from inside the enclosure.

Connection of Tails

1. Route SUPPLY(IN) and LOAD(OUT) cables to the desired positions as per the connection diagram.
2. Cut and dress the SUPPLY cables and earth conductor, route L and N through the tail clamp fixed to regulations for Electrical Installations (BS 7671).

Frequently Asked Questions (FAQ)

- **Q: Who should install the METAL consumer unit?**
 - A: The METAL consumer unit must be installed by a qualified electrician following the IET Wiring Regulations BS 7671.
- **Q: What is the maximum load for the SF0100/T2 Fused Switch?**
 - A: The SF0100/T2 has a maximum load of 100A /AC21.
- **Q: What should be done before fitting the front cover?**
 - A: Check that all connections, including factory-made connections, are properly torqued. Loose connections can cause fires.

SF0100/T2 100A T2(AC21) Fused Switch

Instruction Leaflet

DOC:SF0100T0420124

Technical information

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

Standards (TABLE 1)

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

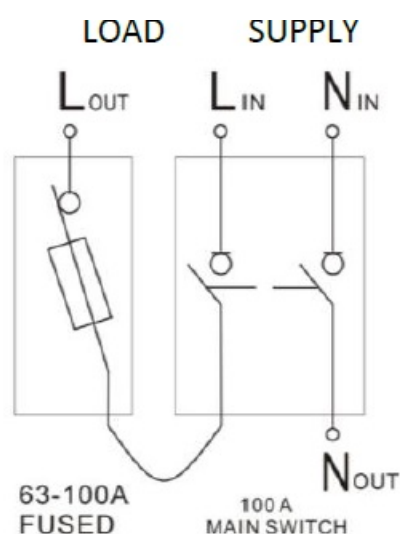
Torque Settings (TABLE 2)

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)

	SF0100	SF0100T2
SPD T2	NO	YES
Maximum load	100A /AC21	100A /AC21
Number of Poles	1P + N	1P + N
Fuse Size	22x58mm (cylinder)	22x58mm (cylinder)
Fuse Ratings	63, 80, 100A	63, 80, 100A
Fuse Type	gG (General purpose for conductor protection)	gG (General purpose for conductor protection)
Enclosure	Steel	Steel
Dimensions (mm)	H 260x W 163 x D 88	H 314 x W 236 x D 88
Knockouts (mm)	1×20 + 1×32 top and bottom	1×20 + 1×32 top and bottom
Padlock facility	YES	YES

Connection diagram



Enclosure Mounting

- Remove 2 screws which attach front cover to base and lift off front cover.
- Ensure main switch is in the OFF position and that NO fuse is fitted in the fuse holder.

- 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.
- Fix base to wall using 3 (SF0100) or 4 screws (SF0100T2) and rawl plugs as appropriate and remove any debris from inside the enclosure.

Connection of Tails

- Route SUPPLY(IN) and LOAD(OUT) cables to the desired positions (see connection diagram above).
- 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.
- 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 (LOUT), and N load (NOUT).
- Tighten tail clamp once the connections have been made into the main switch.
- 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!!!!

Testing

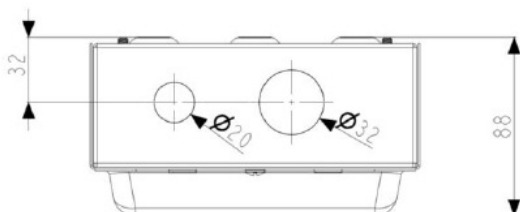
4a After completion of the installation, it must be tested in accordance with the latest edition of the IET Wiring Regulations for Electrical Installations (BS 7671).

Environment

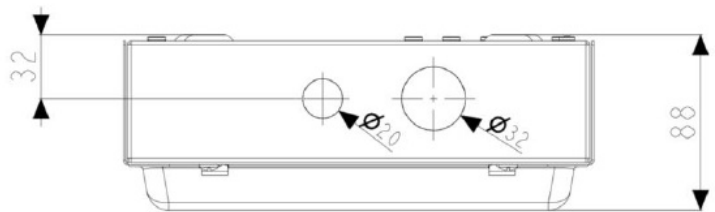
WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF IN HOUSEHOLD WASTE. CONTACT YOUR RETAILER OR LOCAL AUTHORITY FOR RECYCLING INFORMATION.

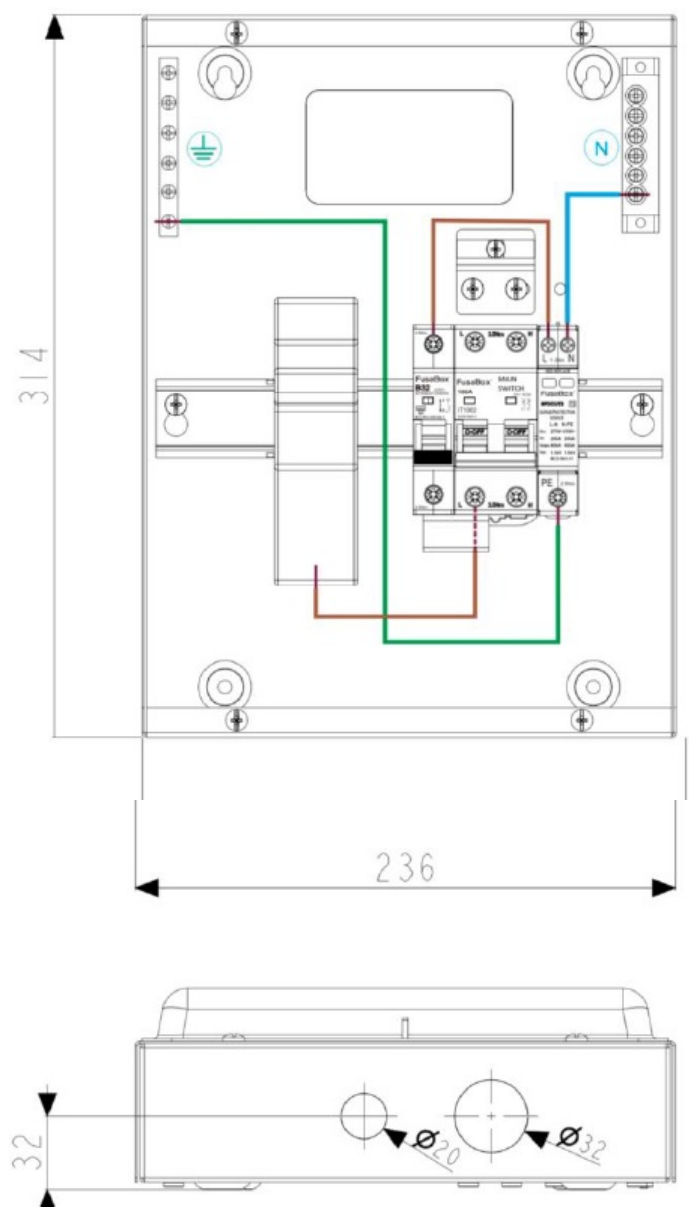
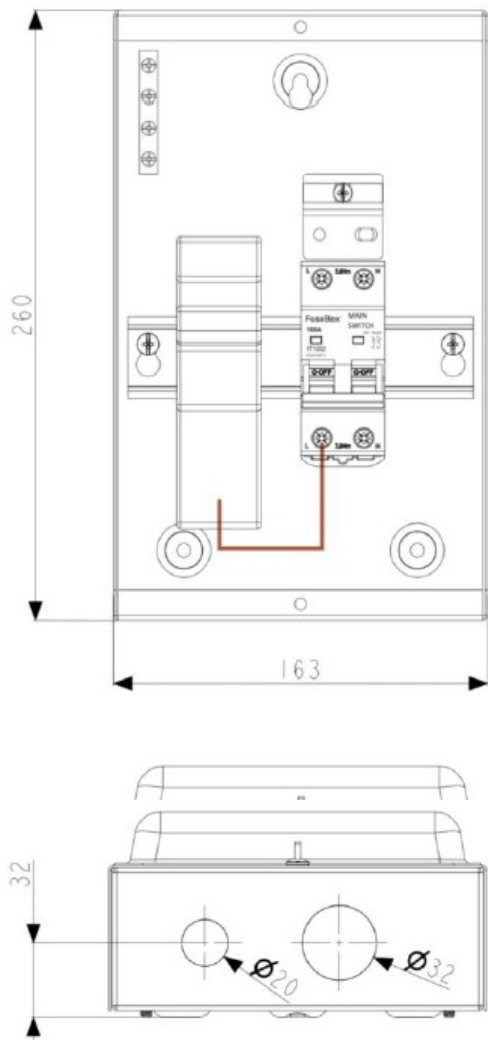
After installation and testing of this product it is essential that the INSTRUCTION LEAFLET is available for reference

SF0100



SF0100T2





Before fitting the front cover, check all connections including factory made connections are TORQUED. Loose connections can cause fires!!!!

FuseBox

www.fusebox.co.uk

Documents / Resources

	<p>FuseBox SF0100 Fused Switch [pdf] Instruction Manual SF0100, SF0100T2, SF0100 Fused Switch, SF0100, Fused Switch, Switch</p>
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References

-  [FuseBox – Circuit Protection](http://www.fusebox.co.uk)

- [User Manual](#)

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