

RCD 2P & 4P Type A, S

Instruction Leaflet



FuseBox®

DOC:RCD_2-4P_TYPEA,S_23.04.2025_V1

1a Types of RCD



Type A – Used to detect AC and pulsating DC up to 6mA



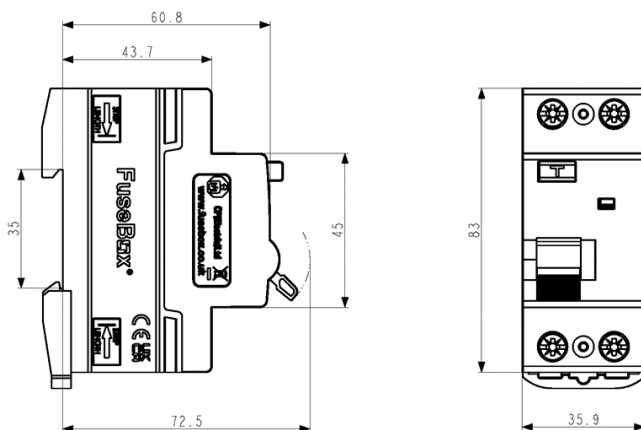
S Type – Time delayed version (SELECTIVE)

1b Technical information

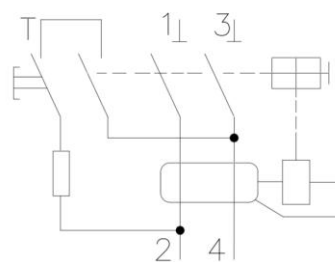
Rating (A)	25, 40, 63, 80, 100
Number of Poles	2P, 4P
Residual Operating Current (I _{Δn})	30mA, 100mA, 300mA
Voltage(V)	2P: 230V 4P: 400V
Frequency	50/60Hz
Type	A , S
IP RATING	IP20 (EN 60529)
Conditional short circuit capacity	10kA
Torque (switch terminals)	2.5Nm
Maximum cable	25mm ² / 35mm ² (100A version)
Complies with	IEC EN 61008-1



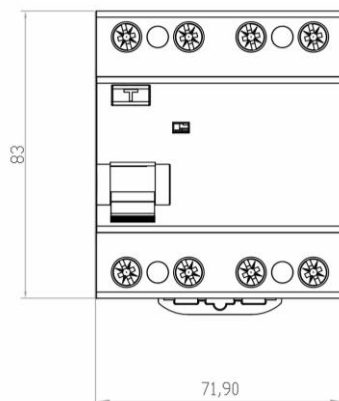
1c Dimensions 2P



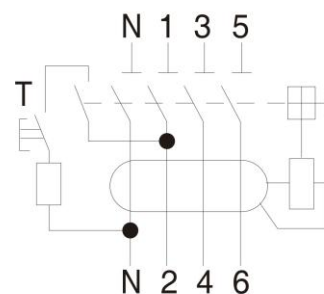
Connection Diagram



1d Dimensions 4P



Connection Diagram



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

3 Installation

- 2a RCD must be installed by a qualified electrician in accordance with the current IET Wiring Regulations BS 7671 and tested in accordance with IEC EN 61008-1.
- 2b Total load must not exceed the rating of the RCD or any additional limitation.
- 2c The correct type of RCD must be selected for the installation.
- 3a RCD range is designed to fit FuseBox consumer units, modular enclosures and TPN distribution boards.
- 3b 35mm top hat din rail mounting.
- 3c Clip securely on to the din rail making sure the din rail clip at the bottom is pushed in, locking the RCD onto the din rail, ensure lever is in the OFF position.
- 3d Cut, dress and connect cables as shown in the wiring diagram. 2 Pole RCDs are NOT polarity sensitive (i.e. Neutral can be connected to the LHS and Live to the RHS or vice versa).
4 Pole RCDs must be connected as marked on the device (Neutral LHS pole)
- 3e 2P and 4P RCDs can be connected with the LOAD to the top or the bottom.

4 Connections

- 4a Before powering up the circuit check all connections are TORQUED to 2.5Nm.
Loose connections cause fires!!!!

5 Testing

- 5a On completion of the installation, it must be tested in accordance with the latest edition of the IET Wiring Regulations for Electrical Installations (BS 7671).

6a Operation of the TEST button on RCD

When newly fitted systems do not trip on the TEST button or using the RCD tester the problem is normally caused by an earth to neutral fault on the circuit (PME supply).

Installers can easily check the RCD by removing the LOAD connections on the RCD and applying power. If the TEST button works the fault is in the circuit.

7a RCD TEST

RCDs ARE MANUFACTURED IN ACCORDANCE WITH **IEC/EN61008-1** AND MUST BE TESTED TO THIS SPECIFICATION.

Type A

0.5IΔn	RCD will not trip
1Δn	RCD must trip within 300ms
5IΔn	RCD must trip within 40ms
TEST button	RCD should trip

Type S (time delayed)

0.5IΔn	RCD will not trip
1Δn	RCD must trip between 130- 500ms
5IΔn	RCD must trip between 50 - 150ms
TEST button	RCD should trip



Environment

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