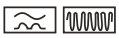
BI-DIRECTIONAL RT ****** RCD 2P&4P

Type F, B, B HP Instruction Leaflet

DOC: 052526REV01

FuseBox®

1 Technical information

Series	RT******
Rating	25A, 40A, 63A, 80A, 100A
RCD type	F, B, B HP
Pole	2P(1P+N), 4P(3P+N),
Rate voltage (Ue)	2P:230; 4P:400V
Insulation voltage(Ui)	500V
Rated frequency	50/60Hz
Rated residual operating current (IΔn)	30mA
Rated conditional short-circuit current (Inc)	10kA
Protection degree	IP20 (EN 60529)
Connection capacity (input/output)	25mm²/35mm² (100A version)
Tightening torque (input/output)	2.5Nm
Complies with	IEC EN 61008-1 IEC EN 62423
TYPE F: Used to detect type A and high-frequency current up to 1kHz	
TYPE B: Used to detect type F and Two phase rectified full wave, Three phase rectified full wave, smooth DC faults.	
TYPE B HP: Used to detect type B and high-frequency current up to 20kHz, Minimum rated operating voltage (Type B operation), 50V.	

2 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. RCD range is designed to fit FuseBox consumer units, modular enclosures and TPN distribution boards, 35mm top hat din rail mounting.

2d Clip securely onto the din rail making sure the din rail clip at the bottom is pushed in, locking the RCD on the din rail, ensure lever is in the OFF position.

2e 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)

2f 2P and 4P RCDs can be connected with the LOAD to the top or the bottom.

3 Connections

3a Before powering up the circuit check all connections are TORQUED to 2.5Nm.

Loose connections cause fires!!!

4 Testing

4a 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).

5 Operating of the test button on RCD

5a When newly fitted systems do not trip on the TEST button or using the RCD tester the problem is normally caused byan 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.

6 RCD test

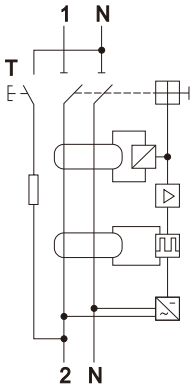
6a RCDs are manufactured in accordance with IEC / EN 61008-1 and must be tested to this specification using a calibrated test meter

Type A	
0.5IΔn	RCD will not trip
1IΔn	RCD must trip within 300ms
5IΔn	RCD must trip within 40ms
Test button	RCD will trip
Type S (Time delay)	
0.5IΔn	RCD will not trip
1IΔn	RCD must trip within 130-500ms
5IΔn	RCD must trip within 50-150ms
Test button	RCD will trip

7 Environment

7a LOCAL AUTHORITY FOR RECYCLING INFORMATION WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF IN HOUSEHOLD WASTE. CONTACT YOUR RETAILER OR LOCAL AUTHORITY FOR RECYCLING INFORMATION

8 Connection Diagram



Type F, B, B HP

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

BI-DIRECTIONAL RT ****** RCD 2P&4P

Type A,S Instruction Leaflet DOC: 052526REV01

FuseBox®

9 Product range

Part No.	Description
Type F, 30mA, 2 Poles	
RTF250302	25A 30mA 2P RCD Type F
RTF400302	40A 30mA 2P RCD Type F
RTF630302	63A 30mA 2P RCD Type F
RTF800302	80A 30mA 2P RCD Type F
RTF1000302	100A 30mA 2P RCD Type F
Type B, 30mA, 2 Poles	
RTB630302M	63A 30mA 2P RCD Type B
Type B, 30mA, 4 Poles	
RTB630304M	63A 30mA 4P RCD Type B
Type B HP, 30mA, 2 Poles	
RTBHP630302	63A 30mA 2P RCD Type B HP

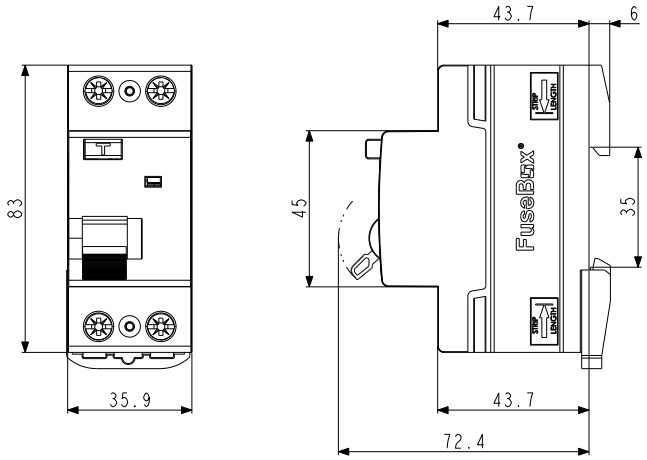
10 Images



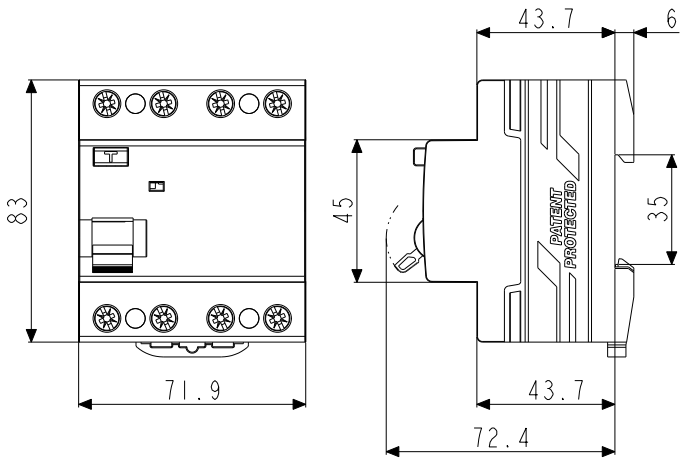


11 Dimensions

11a Dimension 2P



11a Dimension 4P



UK CA | CE

Intertek

RoHS Compliant

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