

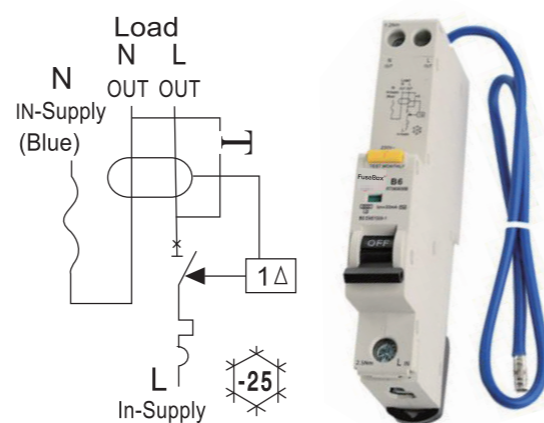


1 Technical information

Rating (A)	6, 10, 16, 20, 25, 32, 40, 50
Tripping curve	B, C
Number of Poles	1P+N
Residual Operating Current(I Δ n)	30mA
Type	AC, A  
Voltage(V)	230V
Frequency	50/60Hz
Rated short circuit capacity	6kA
IP RATING	IP20 EN 60529
Torque	2.5Nm / 1.2Nm
Maximum cable capacity	16mm ²
Neutral cable length	360mm
Complies with	IEC EN 61009-1

Wiring Diagram



- 1b RCDs must be installed by a qualified electrician in accordance with the current IET Wiring Regulations BS 7671.
 1c Total load must not exceed the rating of the RCBO or any additional limitation.

2 Installation

- 2a RCBO range designed to fit FuseBox consumer units and modular enclosures.
 2b 35mm top hat din rail mounting.
 2c Clip securely on to the din rail making sure the din rail clip at the bottom is pushed in, locking the RCBO onto the din rail, ensure lever is in the OFF position.
 2d Cut, dress and connect cables as shown in the **wiring diagram**.

Lin (Line) terminal connect to the bus bar.

Neutral flying lead to the neutral terminal bar (can be cut to size to suit application).

Connect the load to the L OUT and N OUT terminals at the top of the RCBO and the Load earth to the terminal bar.

3 Connections

- 3a **Before powering up the circuit check all connections are TORQUED.**
Loose connections cause fires!!!!

4 Testing

- 4a **WARNING: ALL connections to the RCBO must be removed prior to conducting insulation resistance tests.**
 4b 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).

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

Operation of the TEST button on RCBO

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 RCBO by removing the LOAD connections on the RCBO and applying power. If the TEST button works the fault is in the circuit.

RCBO TEST

RCBOs ARE MANUFACTURED IN ACCORDANCE WITH IEC/EN 61009-1 AND MUST BE TESTED TO THIS SPECIFICATION USING A CALIBRATED TEST METER.

General type

- 0.5I Δ n** RCBO will not trip
1I Δ n RCBO must trip within 300ms
5I Δ n RCBO must trip within 40ms


What to do if a RCBO trips

- 1 Reset tripped RCBO to **ON** position
- 2 If RCBO trips again then disconnect all appliances connected to this circuit.
- 3 Switch RCBO to **ON** position and connect 1 appliance at a time to see which one trips the RCBO.
- 4 Once the faulty appliance has been identified, **DO NOT USE** appliance until it has been checked.
- 5 Switch RCBO to **ON** position.
- 6 **If fault does not clear phone a qualified electrician to check installation**

Part numbers

Type AC - General purpose RCD for use on AC only

Type A – RCD used to detect AC and pulsating DC components

	TYPE A 
CURRENT (A)	B curve
6	RTA060630B
10	RTA061030B
16	RTA061630B
20	RTA062030B
25	-
32	RTA063230B
40	RTA064030B
50	RTA065030B



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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