Technical Data

Bidirectional RCD 2 Module Double Pole 6kA 30mA Type A

Brief Product Description

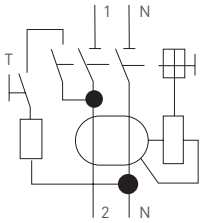
Double pole bidirectional RCD Type A, providing superior protection for both circuits and people where current has the ability to flow in 2 directions through the device.

The 2 module compact design will fit in any BG consumer unit or enclosure via a standard DIN rail fit.

Features

- Bidirectional
- Double pole isolation
- BS7671 Amendment 4 compliant device
- Pollution degree 3 tested
- -25°C - +40°C operating temperature range
- 2 Module
- Type A
- Available in 40A - 100A

Wiring Diagram



Part Codes

Cat No.	Rating
CUR4030A	40A
CUR6330A	63A
CUR8030A	80A
CUR10030A	100A

Technical Specifications (40A - 100A)

Bidirectional	Yes
Neutral Position	Right
Number of Poles	2
Type of Pole	1P+N
Fixing Mode	DIN Rail Type 35mm
Rated Operational Voltage Ue	230/240V
Operating Temperature Range	-25°C - +40°C
Frequency	50Hz
Type of Supply Voltage	AC
Rated Insulation Voltage	500V
Max Operating Voltage	264V
Rated Impulse Withstand Voltage	4kV
Rated Residual Operating Current	30mA
RCD Type	Type A
Total Power Loss Under IN	12.48W
Electric Endurance in Number of Cycles	4,000
Number of Mechanical Operations	10,000
Screw Terminal	YES Pozidrive 2
Terminal Torque Settings	2.5Nm
Max Cables	35mm
Standards	IEC/EN 61008-1, IEC/EN

Product Images



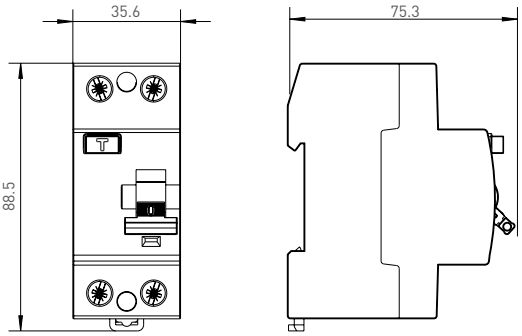




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Dimensional Line Drawing



Dimensions of Product

Height: 88.5mm

Width: 35.6mm

Depth: 75.3mm

Maintenance

The RCD should be tested on a regular basis by pressing the test button (T) in accordance with the latest edition of the IET Wiring regulations BS7671.

Make sure all terminations are tightened to the correct torque level supplied in this document.

What to do if an MCB/RCD trips

Reset tripped RCD to the ON position. If device trips again, disconnect all appliances connected to this circuit. Switch RCBO ON and safely connect appliances one at a time to identify which one trips the device. In all cases, once the faulty appliance has been identified, do not continue to use the item until it has been checked.

Table 41.5 – Maximum Earth Loop Impedance Values – BS7671 IET Wiring Regulations

Maximum earth loop impedance(Z_s) for non delayed and time delayed 'S' type RCD to BSEN61008-01 and BSEN61009-1 for U_o of 230V (see regulation 411.5.3).

Rated residual operating current (mA)	Maximum earth fault loop impedance Z_s (ohms)
30	1667*
100	500*
300	167*
500	100

Disconnection shall be within the times stated in table 41.1. in BS7671 IET Wiring Regualtions.

NOTE1: Figures for Zs result from the application of regulation 411.5.3 (i) and (ii).

NOTE2: * the resistance of the installation earth electrode should be as low as practicable. A value exceeding 200 ohms may not be stable. Refer to Regulation 542.2.4.

BG Devices are temperature tested to -25°C to + 40°C

Guarantee

BG Electrical Circuit Protection products are guaranteed against faulty materials and workmanship for a period of 10 years from date of delivery.

Products will be repaired or (at BG Electrical's discretion) replacements will be supplied or (at BG Electrical's discretion) a credit note will be issued. This guarantee is subject to BG Electrical's conditions of sale and in particular to the following conditions being met.

1. Notification of any defect is given as soon as reasonably practicable after becoming apparent, and the products then returned to BG Electrical.

2. The products have only been operated under normal operating conditions and have only been subject to normal use.

3. No work (other than normal and proper maintenance) has been carried out to the products without BG Electrical's prior written consent.

4. The products have been assembled, or incorporated into other goods, by a qualified and recognised electrician and only in acordance with any instructions issued by BG Electrical.

5. The defect has not arisen from an item manufactured or supplied by a person other than BG Electrical.

This guarantee does not affect any customer statutory rights.

All components used in a BG Electrical enclosure, must be supplied by BG Electrical.

The use of any other components will negate compliance to BS 61439 and the BG Electrical guarantee. Failure to fit the enclosure in accordance with these instructions will invalidate the guarantee.

British General Helpline
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Visit our website at
www.bgelectrical.uk