



Technical Data

Circuit Protection - RCBOs

Brief product description:

The single module RCBOs are a combination of B Curve MCB and an RCD. This provides overload and short circuit protection as well as earth fault current protection in one device.

A combined MCB and RCD allows earth fault protection of a single circuit, and helps reduce nuisance tripping of other circuits, i.e. avoids unnecessary inconvenience and improves safety in the home. For example the lighting circuit remains on whilst a problem with another circuit is disconnected.

All RCBOs have a positive contact status indicator, i.e. when green window is visible this indicates that there is a 4mm contact gap.

Features:

- Stylish modern profile, matches all other BG devices
- Single module
- Positive contact status indicator
- Available from 45 to 55A
- Available in Type AC & A
- Available in B Curve
- Lockable dolly switch

Product Images

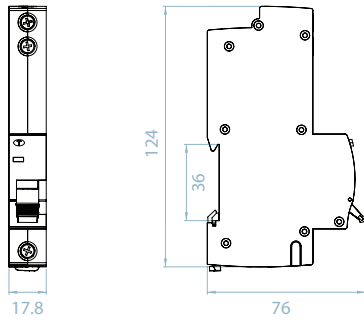


Technical Specifications

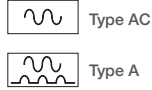
Standard(s)	EN/IEC 61009
Rating	45, 50, and 55 Amp
Breaking Capacity	6000A
Rated Voltage	230/400V a.c. 50Hz
RCD Type	Type AC, Type A
Rated Tripping Current	30mA
Residual Current Off Time	≤0.1S
Ambient Temperature	-25°C to +40 °C
Operating Characteristics	Type B, Magnetic Operating 3 to 5 times I _n (current rating)
No. of Poles	1P + N (1 module)
Trip	Thermal/Magnetic release
IP Rating	IP20
Terminal Capacity	40-45A - 10mm ² , 55A - 16mm ²
Terminal Torque	2Nm
Installation	Mounting on 35mm DIN rail
Size	17.8mm width
Endurance Operations	Electrical 10,000, Mechanical 20,000

Circuit Protection - RCBOs

Line Diagrams



Type AC - Ensures tripping for residual AC currents
Type A - Ensures tripping for residual AC currents and pulsating DC currents



Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
CURB45	RCBO 45A B Curve	nil	Printed box	Printed Box	N/A	10	100	5050765207072	5050765207089	5050765207096
CURB50	RCBO 50A B Curve	nil	Printed box	Printed Box	N/A	10	100	5050765207102	5050765207119	5050765207126
CURB55	RCBO 55A B Curve	nil	Printed box	Printed Box	N/A	10	100	5050765207133	5050765207140	5050765207157
CURB45A	RCBO 45A B Curve Type A	nil	Printed box	Printed Box	N/A	10	100	5050765207164	5050765207171	5050765207188
CURB50A	RCBO 50A B Curve Type A	nil	Printed box	Printed Box	N/A	10	100	5050765207195	5050765207201	5050765207218
CURB55A	RCBO 55A B Curve Type A	nil	Printed box	Printed Box	N/A	10	100	5050765207225	5050765207225	5050765207249

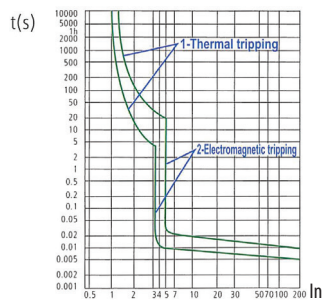
Installation Information

To fit devices onto DIN rail, fit top of device onto rail first and then push down bottom of device until retaining device clip 'clicks' and locks onto DIN rail.
 To remove devices, pull out retaining device clip from bottom of MCB (using flat screwdriver) and remove by lifting bottom part of MCB first.

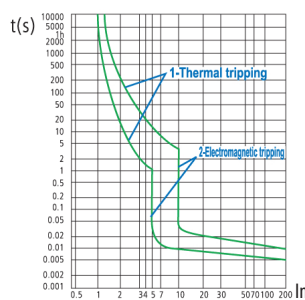
Technical Helpline: 03300 249 279
 If in doubt consult a competent electrician.

Additional Information

RCBO Curves:



B Curve



C Curve