



# Technical Data

## Circuit Protection - RCBOs

### Brief product description:

The single module RCBOs are a combination of Type B 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:

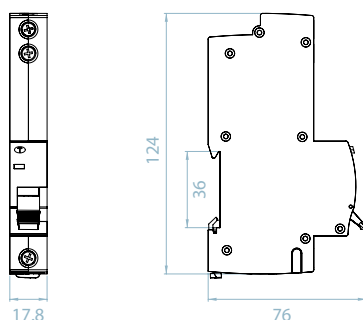
- Stylish modern profile, matches all other BG devices
- Single module
- Positive contact status indicator
- Available from 6 to 40A rating
- Available in B type
- Lockable dolly switch



### Technical Specifications

Standard(s)	EN/IEC 61009
Rating	6, 10, 16, 20, 32 and 40A
Breaking Capacity	6000A
Rated Voltage	230/400V a.c. 50Hz
RCD Type	Type AC
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 <sub>n</sub> (current rating)
No. of Poles	1P + N (1 module)
Trip	Thermal/Magnetic release
IP Rating	IP20
Terminal Capacity	6-20A - 16mm <sup>2</sup> , 32-50A - 25mm <sup>2</sup> ,
Terminal Torque	2NM
Installation	Mounting on 35mm DIN rail
Size	17.5mm width
Endurance Operations	Electrical 10,000, Mechanical 20,000

### Line Diagrams



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## 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
CURB6	RCBO 6A B Type	nil	Printed Box	Printed Box	1	5	50	5050765024860	5050765025256	5050765029360
CURB10	RCBO 10A B Type	nil			1	5	50	5050765024877	5050765025263	5050765029377
CURB16	RCBO 16A B Type	nil			1	5	50	5050765024884	5050765025270	5050765029384
CURB20	RCBO 20A B Type	nil			1	5	50	5050765024891	5050765025287	5050765029391
CURB32	RCBO 32A B Type	nil			1	5	50	5050765024807	5050765025294	5050765024907
CURB40	RCBO 40A B Type	nil			1	5	50	5050765024814	5050765025300	5050765024914

## Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CMB (m <sup>3</sup> )		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
CURB6	RCBO 6A B Type	/	Xx x Xx x XX	Xx x Xx x XX	xxx	xxx	xxxx	xxxxxxxx	xxxxxxxx	xxxxxxxx
CURB10	RCBO 10A B Type									
CURB16	RCBO 16A B Type									
CURB20	RCBO 20A B Type									
CURB32	RCBO 32A B Type									
CURB40	RCBO 40A B Type									

## Instructions

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.

## Additional Information

RCBO Curves:

