



# Technical Data

## Circuit Protection - MCBs

### Brief product description:

A range of thermo-magnetic, current limiting MCBs available with Type B or C operating characteristics, which provides overload and short circuit protection.

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

### Features:

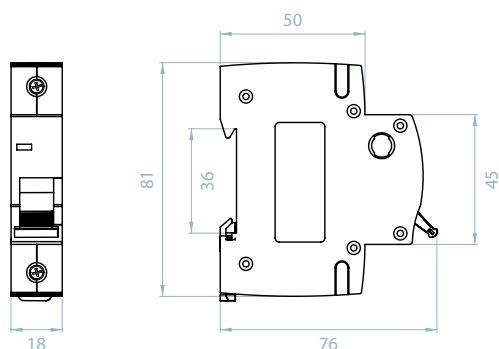
- Stylish modern profile, matches all other BG devices.
- Positive contact status indicator
- Available from 6 to 50A rating
- Available in B or C type
- Lockable dolly switch
- Large terminal capacity



### Technical Specifications

|                           |                                                                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard(s)               | EN/IEC 60898                                                                                                                                          |
| Rating                    | 6, 10, 16, 20, 32, 40 and 50A                                                                                                                         |
| Breaking Capacity         | 6000A                                                                                                                                                 |
| Rated Voltage             | 230/400V a.c. 50Hz                                                                                                                                    |
| Rated Insulated Voltage   | 500V                                                                                                                                                  |
| Rated Impulse Withstand V | Uimp 6000V                                                                                                                                            |
| Energy Limiting Class     | 3                                                                                                                                                     |
| Ambient Temperature       | -5°C to +40 °C                                                                                                                                        |
| Operating Characteristics | Type B - Magnetic Operating 3 to 5 times I <sub>n</sub> (current rating)<br>Type C - Magnetic Operating 5 to 10 times I <sub>n</sub> (current rating) |
| No. of Poles              | 1P                                                                                                                                                    |
| 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 4,000, Mechanical 10,000                                                                                                                   |

### Line Diagrams



# Circuit Protection - MCBs

## 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     |
| CUMB6   | MCB 6A B Type  | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765025188 | 5050765029223 |
| CUMB10  | MCB 10A B Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765025195 | 5050765029230 |
| CUMB16  | MCB 16A B Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765025201 | 5050765029247 |
| CUMB20  | MCB 20A B Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765025218 | 5050765029254 |
| CUMB32  | MCB 32A B Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765025225 | 5050765029261 |
| CUMB40  | MCB 40A B Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765025232 | 5050765029278 |
| CUMB50  | MCB 50A B Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765025249 | 5050765029285 |
| CUMC6   | MCB 6A C Type  | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765029087 | 5050765029292 |
| CUMC10  | MCB 10A C Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765029094 | 5050765029308 |
| CUMC16  | MCB 16A C Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765029100 | 5050765029315 |
| CUMC20  | MCB 20A C Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765029117 | 5050765029322 |
| CUMC32  | MCB 32A C Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765029124 | 5050765029339 |
| CUMC40  | MCB 40A C Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765029131 | 5050765029346 |
| CUMC50  | MCB 50A C Type | nil            | Printed Box | Printed Box | N/A           | 10        | 100       | N/A        | 5050765029148 | 5050765029353 |

## Weights & Dimensions

| Cat No. | Description    | Dimension (W x L x H) cm |              |              | Weight (g) |           |           | CMB (m³)   |           |           |
|---------|----------------|--------------------------|--------------|--------------|------------|-----------|-----------|------------|-----------|-----------|
|         |                | Product                  | Inner Box    | Outer Box    | Each       | Inner Box | Outer Box | Individual | Inner Box | Outer Box |
| CUMB6   | MCB 6A B Type  | /                        | Xx x Xx x XX | Xx x Xx x XX | xxx        | xxx       | xxxx      | xxxxxxxx   | xxxxxxxx  | xxxxxxxx  |
| CUMB10  | MCB 10A B Type |                          |              |              |            |           |           |            |           |           |
| CUMB16  | MCB 16A B Type |                          |              |              |            |           |           |            |           |           |
| CUMB20  | MCB 20A B Type |                          |              |              |            |           |           |            |           |           |
| CUMB32  | MCB 32A B Type |                          |              |              |            |           |           |            |           |           |
| CUMB40  | MCB 40A B Type |                          |              |              |            |           |           |            |           |           |
| CUMB50  | MCB 50A B Type |                          |              |              |            |           |           |            |           |           |
| CUMC6   | MCB 6A C Type  |                          |              |              |            |           |           |            |           |           |
| CUMC10  | MCB 10A C Type |                          |              |              |            |           |           |            |           |           |
| CUMC16  | MCB 16A C Type |                          |              |              |            |           |           |            |           |           |
| CUMC20  | MCB 20A C Type |                          |              |              |            |           |           |            |           |           |
| CUMC32  | MCB 32A C Type |                          |              |              |            |           |           |            |           |           |
| CUMC40  | MCB 40A C Type |                          |              |              |            |           |           |            |           |           |
| CUMC50  | MCB 50A C 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

MCB Curves:

