



Miniature circuit breakers (MCBs)














The Eaton range of 10kA/15kA high performance miniature circuit breakers (MCBs) have been designed to meet the latest UK, European and international standards, with ratings from 1A up to 63A.

The Eaton miniature circuit breakers are designed and tested in accordance with BS EN 60898 and are available in B, C and D characteristic curve as standard.

Technical characteristics

- Modular design, DIN rail mountable.
- 1, 2, 3, and 4-pole MCBs for commercial and Industrial applications.
- Rated braking capacity 10kA to IEC 60898 and 15kA to IEC 60947-2.
- Rated currents from 1–63A in B, C and D characteristics.
- Positive contact indication.
- Box clamp barrier to prevent incorrect cable/busbar insertion.
- Calibrated at 40° C.
- Can be used with both pin and comb type busbars.
- Suitable for use in Eaton Memshield 3 distribution boards and a wide range of other applications.

Toggle colour for commercial MCBs changes dependant on the rating as shown below:

	< 2A		16A
	2A		20A
	4A		25A
	6A		32A
	8A		40A
	10A		50A
	13A		63A



Residual current circuit breakers with overcurrent protection (RCBOs)

The Eaton range of combined residual current circuit breakers with integral overload protection (RCBOs), combine the highest level of protection for both people and circuits for both single phase / single module and three phase / four module devices. Fully comply to IEC 61009.

Technical characteristics – single phase RCBOs

- Available from 6A to 45A in types B and C trip characteristics with a choice of 10mA, 30mA, and 100mA trip sensitivities.
- Compact modular design, DIN rail mountable, one module wide.
- Suitable for use in Memshield 3 single and three phase distribution boards.
- Unswitched neutral.
- Positive contact indication.
- Rated breaking capacity 10kA.
- Trip test button.

Technical characteristics – three phase RCBOs

- Options from 6A to 32A in type B, C, and D trip characteristics with a choice of 30mA, 100mA, and 300mA trip sensitivities.
- Compact modular design, DIN rail mountable, four modules wide.
- Suitable for use in Memshield 3 three phase distribution boards.
- Unswitched neutral.
- Positive contact and earth fault trip indication.
- Rated breaking capacity 10kA.
- Trip test button.



Residual current circuit breakers (RCCBs)

The Eaton range of residual current circuit breakers without integral overload protection (RCCBs), provide protection solutions to a wide range of applications.

The Eaton range of 2 and 4-pole RCDs are available with 10mA, 30mA, 100mA and 300mA sensitivities, and can be equipped with a wide range of modular accessories

Technical characteristics

- Modular design, DIN rail mountable, 2 or 4 modules wide.
- Double and four pole RCD for commercial and industrial applications.
- Rated short circuit capacity 10kA with fuse back up.
- Trip sensitivities 10, 30, 100 and 300mA.
- Positive contact indication.
- Test trip button.
- Rated currents from 16–100A.



The RCBO takes up 4 pole ways in a 3-phase distribution board, i.e. L1 / L2 / L3 and the 4th pole of the device fits over, and is insulated from, the L1 phase position of the neighbour circuit. Therefore the neighbour circuit only has two phase circuits available for single phase circuit feeds.