

RMG residual current devices

Ratings: 16 - 100A

Sensitivities: 10 - 300mA, time delayed



RMG 80 030 2

Specifications

- RCD: BS EN 61008

Technical data

- Positive contact indication in accordance with BS 7671

Unwanted tripping

All RMG rcd's incorporate a filtering device preventing the risks of unwanted tripping due to transient voltages (lightning, line disturbances on other equipment...) and transient currents (from high capacitive circuits.)

Electrical data

- **Current ratings:** 16A - 100A
- **Voltage ratings:** 2 pole: 110/240Vac, 4 pole: 240/415Vac
- **Cable capacities**
16A - 80A: tunnel terminals for cables up to 35mm²
100A: clamp terminals for cables up to 50mm²
- **Number of operating cycles:** (on load) 20,000 cycles (O-C)
- **Operating temperature:** -5 to +40°C
- **Identification system:** All RMG RCDs can accept up to a total of 4 marking accessories on each of their poles.
- **Width in 18mm SP ways:**
2P RMG all ratings: 2
4P RMG all ratings: 4

Installation

- On symmetrical DIN rail
- Panel mounting

Note: RMG residual current devices must be used with circuit breakers to provide circuit protection of overload and short circuit faults.

- **Dimensions:** see page 170

Application

Type RMG residual current devices provide the functions of isolation, switching and earth leakage protection of electrical circuits. They have a residual current operated electro-mechanical release which operates without any auxiliary source of supply to open a circuit automatically in the case of an earth leakage fault between phase and earth greater than or equal to a threshold of 10, 30, 100, or 300mA.

Type RMG RCD - two pole 240V Class AC

| Rating (A) | Sensitivity (mA) | Part N°. |
|--------------|------------------|---------------|
| 16 | 10 | RMG 16 010 2 |
| 25 | 10 | RMG 25 010 2 |
| 25 | 30 | RMG 25 030 2 |
| 40 | 30 | RMG 40 030 2 |
| 40 | 300 | RMG 40 300 2 |
| 63 | 30 | RMG 63 030 2 |
| 63 | 100 | RMG 63 100 2 |
| 63 | 300 | RMG 63 300 2 |
| 80 | 30 | RMG 80 030 2 |
| 80 | 100 | RMG 80 100 2 |
| 80 | 300 | RMG 80 300 2 |
| 100 | 30 | RMG 100 030 2 |
| 100 | 100 | RMG 100 100 2 |
| 100 | 300 | RMG 100 300 2 |
| 80 | 100 | |
| time delayed | 50 - 70ms | 23111 |
| 100 | 300 | |
| time delayed | 50 - 70ms | 23116 |
| 100 | 100 | |
| time delayed | 50 - 70ms | RMG 1001002S |

Type RMG RCD - four pole 415V Class AC

| Rating (A) | Sensitivity (mA) | Part N°. |
|--------------|------------------|--------------|
| 25 | 30 | RMG 25 030 4 |
| 25 | 300 | RMG 25 300 4 |
| 40 | 30 | RMG 40 030 4 |
| 40 | 300 | RMG 40 300 4 |
| 63 | 30 | RMG 63 030 4 |
| 63 | 100 | RMG 63 100 4 |
| 63 | 300 | RMG 63 300 4 |
| 63 | 300 | |
| time delayed | 50 - 70ms | 23146 |
| 80 | 30 | 16261 |
| 100 | 300 | 23213 |
| 100 | 300 | |
| time delayed | 50 - 70ms | 23227 |

Type RMG RCD Class A

| Rating (A) | N° of poles | Part N°. |
|------------|-------------|----------|
| 25A 30mA | 2 | 23249 |
| 40A 30mA | 2 | 23253 |
| 63A 30mA | 2 | 23258 |
| 40A 30mA | 4 | 23303 |
| 63A 30mA | 4 | 23308 |

3 phase 3 wire 415V applications

In applications where no neutral is available an auxiliary test resistor is required for test button operation.

Note: Device operation is independent of voltage or type of connection.

| | | |
|--------|-------|--------|
| 30mA | 2700Ω | 4 watt |
| 100mA | 820Ω | 4 watt |
| 300 mA | 270Ω | 4 watt |

Note: Resistors are not available from Merlin Gerin.

