

The single-phase C60H RCBO's self-contained residual current device carries out complete protection of final circuits (overcurrents and insulation faults). The neutral is not interrupted. Protection of persons against direct and indirect contact (10 mA and 30 mA). Protection of installations against fire hazard (100 mA). A class C60H RCBO's are sensitive to the pulsed type DC component.



Technical data

- Voltage rating:
 - 110 V AC, +10 %, -15 % for 110 V devices
 - 240 V AC, +10 %, -15 % for 240 V devices
- Frequency: 50...60 Hz.
- Breaking capacity as per BS EN 61009:
 - Rated nominal breaking capacity (I_{cn}): 10 000 A
 - Phase/earth rated residual breaking and making capacity (I_m): 10 000 A.
- Ratings: 6...45 A at **30°C**.
- Mechanical durability (O-C cycle): 20 000.
- Trip-free handle through an over-center toggle mechanism that ensure tripping even when the handle is held or locked in the ON position.
- Overload, short circuit and earth fault currents are indicated by location of the handle in the OFF position.
- A push-test button "T" is positioned on the front of the device for testing that product is operational:
 - C60H RCBO 110 V devices with a white test button,
 - C60H RCBO 240 V devices with a black test button.
- Limitation class: 3.
- Connection:
 - L in: tunnel terminals for 16 mm² flexible or 25 mm² rigid cables
 - L out and N out: tunnel terminals for 1 to 16 mm² flexible or rigid cables.
- Operating temperature: -5°C...40°C.
- Storage temperature: -25°C...80°C.
- Degree of protection: IP20 at the terminals.
- Environment: tropicalisation, treatment 2 (relative humidity: 95 % at 55°C).
- Weight: 240 g.
- Standards: IEC 61009-2-2, BSEN 61009-1.

C curve

- Tripping curve: the magnetic trip units operate between 5 and 10 I_n.

Auxiliaries

The same auxiliary functions as the C60 circuit-breaker can be added to the C60 RCBO's.

- Indication:
 - **OF**: C60H RCBO ON-OFF position
 - **SD**: tripped position due to fault.
- Tripping:
 - **MX + OF**: shunt trip
 - **MN**: undervoltage release.

Accessory

Padlocking device

- Used to lock the toggle of C60H RCBO in the "open" or "closed" position by 8 mm diameter padlock (not supplied).

Note: check compatibility with earthing system, do not use on installations which require double pole switching eg. IT or TT systems.