

MCB - MERCURY SERIES (MC)

MINIATURE CIRCUIT BREAKER

SPECIFICATION

Available Range (Product Code / Model)

- MCM 6K / 1P-C6
- MCM 6K / 1P-C10
- MCM 6K / 1P-C16
- MCM 6K / 1P-C20
- MCM 6K / 1P-C32

Functions

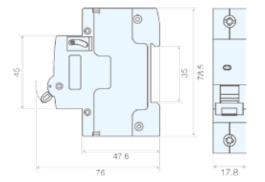
- Overload protection
- Short circuit protection
- Isolation
- Controlling
- Used in residential building, non-residential building, industry, energy and infrastructure.

Features

- The handle being sealable or equipped with padlock bracket avoids dangerous operation changes (ON/OFF).
- · Clear indication of the contact position
- Energy limiting class: 3
- The emission of ionized gases is limited to the severest restrictions: 45 mm grid distance
- Suitable for household or similar applications in accordance with: IEC 60898-1, tripping characteristics C.







RCD - MERCURY SERIES (MC)

RESIDUAL CURRENT DEVICE

SPECIFICATION

Available Range (Product Code / Model)

MCR / 2P / 40-30

Functions

- · Switching and isolation function.
- · Controlling.
- Protection against the effects of sinusoidal alternating earth fault currents.
- Protection against indirect contacts and additional protection against direct contacts.
- Protection against fire hazard caused by insulation faults.
- Used in residential building, non-residential building, energy sources, industry and infrastructure.

Features

- Electromagnetic type, voltage independent.
- The handle being sealable or equipped with padlock bracket avoids dangerous operation changes (ON / OFF).
- Adequate printing of all data on the front provides long-term identification.

Types

Both RCCBs and RCBOs are further divided into types depending on the operating function:

- Type AC: No For which tripping is ensured for residual sinusoidal alternating currents, whether suddenly applied or slowly rising.
- Type S: S I For selectivity, with time delay.

Standard: IEC 61008-1

Type (Wave Form of the Earth Leakage Sensed): AC, A

Trip Time Type: Instantaneous, Selectivity S

Number of Poles: 1P+N
Rated Current In (A): 40
Rated Voltage Ue (V AC): 230

Rated Insulation Voltage Ui (V AC): 500

Rated Frequency Fn (Hz): 50/60

Rated Residual Currents IΔn (mA): 30

Rated Conditional Short-Circuit Current: Inc = $I\Delta c$ = 6000 A SCPD Fuse 100 A Gg

Making and Breaking Capacity Im (A): 1,000

Rated Residual Breaking Capacity IAm (A): 1,000

Rated Impulse Withstand Voltage (1.2/50) Uimp (kV): 8

Dielectric Test Voltage at ind. freq. for 1 min. (kV): 2.5

Electrical Life (Times): 10,000 Mechanical Life (Times): 20,000

Degree of Protection: IP20, with Connected Conductors

Mounting position: Any

Conductor Cross-Sections:

Solid and Stranded (mm²): 0.75-16

Finely Stranded with End Sleeve (mm²): 0.75-10

Terminals:

Terminal Tightening Torque (N·m): 2.8

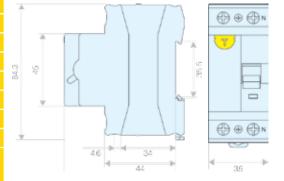
Ambient Temperature (°C): -25 ~ +45, Max. 95 % Humidity

Storage Temperature (°C): $-40 \sim +75$

Altitude (Meters): Max. 2,000

Tripping Sensitivity Data

 RCD with a rated residual current of maximum 30 mA are used for personnel, material and fire protection, as well as for protection against direct contact





RCD - MERCURY SERIES (MC)

RESIDUAL CURRENT DEVICE

BENEFITS



ISOLATOR - MERCURY SERIES (MC)

MAIN SWITCH

SPECIFICATION

Available Range (Product Code / Model)

40 MCI / 2P / 40

Functions

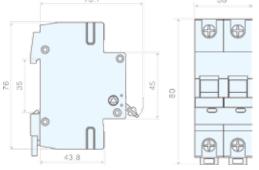
- · Making and breaking under load condition.
- Providing safety isolation for terminal distribution system.
- Used in residential building, non-residential building.

Features

- The handle provides a clear indication of the contact position.
- Adequate printing of all data on the front provides long-term identification.
- Based the technology of MCB series 3SB1-63N, similar design to series 3SB1-63N.
- Matched with series MCB 3SB5, 3SB52, 3SB1-63N.
- · Full sets of accessories.









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