

Residual Current Circuit Breaker with Overcurrent Protection (RCBO)

Description



In accordance with european and international standards:

EN 61009-1 | IEC 61009-1: "Residual Current Circuit Breaker with Overcurrent Protection (RCBO)".



Installation in DIN rail track, in Panelboards.

Characteristics

Number of poles: **1P+N**

Voltage: **240 V**

Rated current (A): **6; 10; 16; 20; 25; 32; 40**

Class: **AC**

Curve: **C**

Sensitivity ($I_{\Delta n}$): **0,03 A**

Frequency: **50/60 Hz**

Breaking capacity: **6 kA**

Tripping time: **<0,1 seconds**

Mechanical/electrical useful life: **>4000 cycles**

Connection by **"U" Type Busbar**

Connection by **Pin Type Busbar**

Terminal capacity:

16 mm² (rigid wire)

10 mm² (flexible wire)

Maximum tightening torque: **2,0 Nm**

Installation ambient temperature: **-5 °C to +40 °C** (average temperature must not exceed 35 °C)

Humidity must not exceed **50 % to 40 °C** or **90 % at 25 °C**.

The device must be installed vertically in a place free from impacts and heavy vibrations.

Operation

Operation as circuit breaker.

Operation as differential (protection against fault current to earth).

Indication of contact position.

Ability to quickly dissipate energy stored during tripping.

High resistance to short-circuit current.

Dimensions (mm)

