

Residual Current Circuit Breaker with Overload Protection

This residual current circuit breaker provides electrical safety by quickly disconnecting a circuit when leakage current is detected. It features a compact design, reliable operation, and high safety performance, tripping in milliseconds when the current exceeds 30mA.



ADDITIONAL IMAGES



Overview

High-Reliability Circuit Protection

This residual current circuit breaker features an upgraded, compact structure designed for convenient operation and improved assembly reliability. Engineered for high safety performance, the device provides rapid protection against ground faults with a response time of 3 milliseconds for currents exceeding 30mA. All components are independently developed, ensuring consistent quality and performance for industrial and commercial electrical systems.

Electrical Ratings

Rated Voltage

240 VAC
2-Pole

415 VAC
4-Pole

Rated Current (In)

16A, 25A, 32A, 40A, 50A, 63A, 80A

Performance

Rated Sensitivity Currents (I_{Δn})

- 10
- 30
- 100
- 300

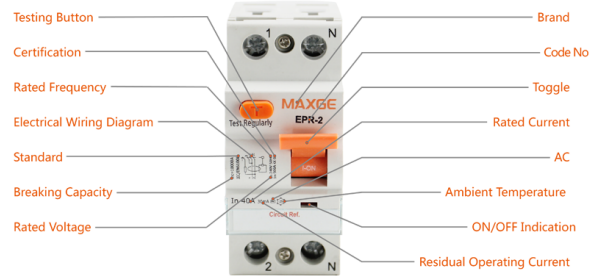
Rated Conditional Short-Circuit Current

6kA • 10kA

Residual Current Off-Time

d0.5

Technical Details



Front panel layout featuring test button, ON/OFF indication, and wiring schematic reference.

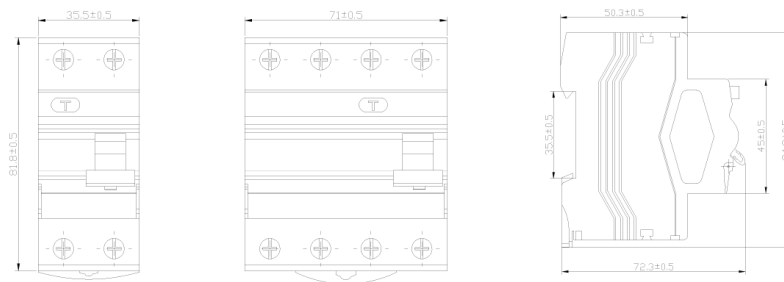
Environmental Conditions

Parameter	Value
Ambient Temperature	-25°C to +45°C
Max Humidity	95%
Protection Degree	IP20

Standards

EN/IEC 61008-1

Installation



Dimensional diagram showing precise measurements for installation and integration.

Installation

35mm DIN rail

Terminal Capacity

Cables up to 25mm²