

# Miniature Circuit Breaker 100A 400V

This miniature circuit breaker is designed for electrical protection in residential, commercial, and industrial applications. It features overcurrent and short-circuit protection and is suitable for DIN rail installation.



## ADDITIONAL IMAGES



## Overview

### High-Performance Terminal Distribution Protection

This miniature circuit breaker features a modern design and innovative structure optimized for universal terminal distribution networks. It provides reliable protection for residential, commercial, and industrial applications with a high breaking capacity and a mechanical life of up to 20,000 cycles. The device includes visual status indicators and a user-friendly testing mechanism to ensure ongoing safety and operational clarity.

## Key Performance Metrics

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**100 A**

Rated Current

**400 V**

Rated Voltage

**6 kV**

Impulse Withstand Voltage

**6000 A**

Breaking Capacity

## Technical Specifications

### Electrical Parameters

Parameter	Value
Rated Frequency	50Hz
Insulation Voltage (Ui)	500V
Utilization Category	Class A
Mechanical Life	20,000 times
Electrical Life	10,000 times

## Leakage Protection

### Leakage Protection Details

- Rated residual operating current (I<sub>an</sub>): 30mA
- Rated residual non-operating current (I<sub>ano</sub>): 15mA
- Response time (t): d 0.1s
- Includes manual test button for monthly functional checks
- Integrated leakage indication window

## Design & Installation



Advanced internal design featuring a flame-retardant shell, copper main-circuit, and clear visual status indicators for safe operation.

### Physical Features

- Flame-retardant shell for enhanced safety
- High-conductivity copper current main-circuit
- Standard 35mm DIN rail mounting
- Red/Green visual status indicator (Red: ON, Green: OFF)
- Quick-lock mechanism for easy installation

### Mounting Type

35mm DIN Rail

## Compliance

### International Standards

IEC60947-2, GB/T14048.2