

# 40A Miniature Circuit Breaker with Overload and Short Circuit Protection

This miniature circuit breaker is designed for AC 50/60Hz, single phase 230V systems with rated current up to 40A. It offers protection against overload and short circuits, and can also be used for infrequent line conversion starts under normal conditions.



## Overview

### Reliable Circuit Protection

This miniature circuit breaker is designed for AC 50/60Hz systems, offering robust protection against overload and short-circuit faults. Featuring a 1P+N configuration and a rated voltage of 230V, it ensures safety for both personnel and equipment by quickly cutting off power during electrical anomalies. Compliant with international GB 10963.1 and IEC60898-1 standards, it is suitable for residential and commercial applications requiring dependable circuit control.

## Electrical Specifications

### Rated Voltage

**230 V**

Rated Voltage

### Available Rated Currents

- 6
- 10
- 16
- 20
- 25
- 32
- 40

Pole Configuration	1P+N
Rated Breaking Capacity	4.5/6kA
Tripping Curves	Type B, Type C

## Performance & Standards

### Protection Class

IP20

Mechanical Life: 6000

Electrical Life: 4000

Compliance Standards: GB 10963.1, IEC60898-1

## Operating Conditions

Ambient Temperature Range	-5°C to +40°C
Maximum Altitude	2000m
Mounting Type	Din rail embedded
Wiring Method	Screw terminal

## Conductor Requirements

### Recommended Conductor Cross-Section

Rated Current (A)	Cross-Section (mm <sup>2</sup> )
d 6	1
6 < In d 13	1.5
13 < In d 20	2.5
20 < In d 25	4
25 < In d 32	6
32 < In d 50	10