

Miniature Circuit Breaker 4.5kA

This miniature circuit breaker is designed for circuit protection in industrial, commercial, and residential applications. It provides reliable protection against overload and short-circuit currents.



Overview

Reliable Circuit Protection

This Miniature Circuit Breaker (MCB) is designed for robust circuit protection in industrial, commercial, and residential environments. Featuring a current-limiting design and a 4.5kA breaking capacity, it ensures safety and reliability across diverse electrical systems. The unit includes practical features such as captive screws, a clear red/green contact position indicator, and easy DIN rail mounting for streamlined installation.

Key Features

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Current Limiting Design, Captive Screws, Contact Position Indicator, DIN Rail Installation

Electrical Specifications

Rated Current Options

- 6
- 10
- 16
- 20
- 25
- 32
- 40
- 50
- 63

Rated Breaking Capacity

4500 A

Breaking Capacity

Tripping Characteristics

B Curve • C Curve • D Curve

Rated Voltage

230V/400V (1P), 400V (2P, 3P, 4P)

Mechanical & Installation

Available Poles

1P, 2P, 3P, 4P

Mechanical & Electrical Life

4000 cycles

Tightening Torque

2.5 N-m

Standards & Environment

Tripping Characteristics Test Data

| Test Condition | Test Current | Tripping Time | Result |
|-------------------------|--------------|---------------|--------------|
| Cold Start | 1.13In | dIh | Non-tripping |
| Following previous test | 1.45In | <1h | Tripping |
| Cold Start (d32A) | 2.55In | 1s < t < 60s | Tripping |

Protection Class IP20

Pollution Degree 2

Overvoltage Category II