

Miniature Circuit Breaker for Overcurrent Protection

Miniature circuit breakers are electromechanical devices protecting electrical circuits from overcurrents like short circuits or overloads. These MCBs automatically disconnect a circuit upon detecting a fault, preventing equipment damage and reducing electrical fire risks.



ADDITIONAL IMAGES



Overview

Reliable Overcurrent Protection

This miniature circuit breaker (MCB) is designed to provide automatic protection for electrical circuits against overloads and short circuits. Featuring thermal-magnetic trip technology, it ensures precise operation across a wide range of current ratings. The modular design is suitable for residential, commercial, and industrial distribution systems, offering easy DIN rail mounting and high durability for long-term reliability.

Electrical Ratings

Key Electrical Ratings

4.5 kA Breaking Capacity	500 V Insulation Voltage	4 kV Impulse Voltage
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Trip Curve Options

B • C • D

Available Rated Currents	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Operational Voltage & Frequency	230 V AC, 50/60 Hz

Mechanical & Installation

Pole Configuration

- 1 Pole
- 2 Poles
- 3 Poles
- 4 Poles

Durability Specifications

Type	Cycles
Mechanical	10000
Electrical	4000

Mounting	DIN rail (Clip-on)
Terminal Capacity	1-25mm ² (flexible) / 1-35mm ² (rigid)
Tightening Torque	3.5 N.m

Standards & Compliance

Compliance	IEC 60898-1
Suitable for Isolation	Yes