

Miniature Circuit Breaker with Earth Leak- age Protection

This miniature circuit breaker is designed for electrical protection in various applications. It provides overload and short-circuit protection, ensuring the safety of electrical circuits and equipment.



ADDITIONAL IMAGES



Overview

Advanced Circuit Protection

This Miniature Circuit Breaker with Earth Leakage Protection offers a comprehensive solution for residential, commercial, and industrial electrical safety. Featuring a modern design with enhanced mechanical and electrical life, it provides reliable defense against overloads, short circuits, and earth leakage. The integrated visual indicators and user-friendly test functions ensure operational clarity and long-term maintenance ease.

Key Performance Metrics

Performance Highlights

6000 A

Breaking Capacity

30 mA

Leakage Current (I_{Δn})

0.1 s

Tripping Time

20000 Ops

Mechanical Life

Technical Specifications

Available Rated Currents

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

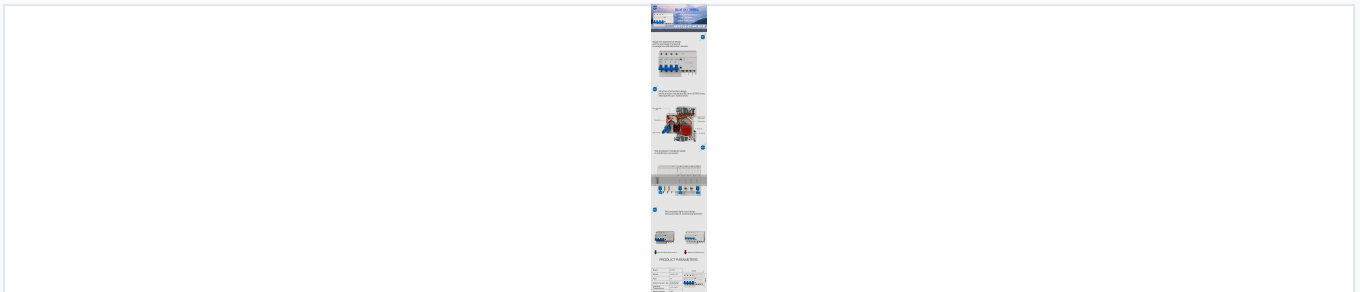
Rated Voltage	400 V
Frequency	50 Hz
Tripping Characteristic	C-Curve
Number of Poles	4P

Leakage Protection

Leakage Parameters

Parameter	Value
Rated Residual Operating Current (I _{Δn})	30mA
Rated Residual Non-operating Current (I _{Δno})	15mA
Tripping Time (t)	≤ 0.1s

Design & Features



Innovative internal design featuring a flame-retardant shell, copper circuits, and high-performance arc chutes for extended mechanical and electrical life.

Visual Status Indicators

- Red indicator (Handle Up): Power ON
- Green indicator (Handle Down): Power OFF
- Dedicated leakage indicator window
- Monthly test button for functional verification

Core Components	Flame-retardant shell, Copper current main-circuit, Quick lock mechanism, Arc chute, Reset spring
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Installation & Environment

Mounting Type	35mm Standard DIN Rail
Operating Temperature	-5°C to +40°C

Compliance

International Standards

IEC61009-1 • IEC60947-2 • GB/T16917.1 • CE