

Miniature Circuit Breaker for Overload and Short-Circuit Protection

This miniature circuit breaker is designed for residential, commercial, and industrial applications. It provides overload and short-circuit protection in electrical circuits up to 400V~ at 50Hz with a 6000A breaking capacity.



ADDITIONAL IMAGES



Product Overview

Reliable Circuit Protection

The DZ47s-63 series miniature circuit breaker is designed for robust electrical protection in AC 50Hz systems. It effectively safeguards lighting and motor distribution systems against overload and short-circuit faults. Built with high-strength, flame-retardant materials, this series ensures consistent performance and safety for residential, commercial, and industrial electrical infrastructure.

Electrical Ratings

Rated Short-Circuit Breaking Capacity

6 kA

Breaking Capacity (C/D Curve)

4.5 kA

Breaking Capacity (D Curve)

Rated Voltage

230/400V

Rated Current Range

1A, 3A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A

Technical Specifications

Tripping Characteristics

- C-Curve: 5-10I_n
- D-Curve: 10-20I_n

Mechanical and Electrical Life

4000 cycles

Max Connection Wire Section

16 mm²

Compliance & Standards

Standards

IEC60898-1 • GB/T10963.1

Operating Environment

Environmental Limits

Parameter	Limit
Max Ambient Temp	+40°C
Min Ambient Temp	-5°C
Max Altitude	2000m
Max Relative Humidity	90% (at +25°C)