

Arc Fault Circuit Breaker with Earth Leakage Protection

This circuit breaker provides protection against arc faults and earth leakage. It is suitable for use in residential, commercial, and industrial applications.



ADDITIONAL IMAGES



Product Overview

Advanced Circuit Protection

This versatile circuit breaker combines miniature circuit breaker (MCB) functionality with residual current device (RCD) protection in a single compact unit. It offers comprehensive security for electrical systems by detecting arc faults, overloads, short circuits, and earth leakage currents. Designed for robustness, it incorporates high-quality materials to ensure longevity and reliable performance in residential, commercial, and industrial settings.

Technical Parameters

Performance Metrics

4000 A

Short-Circuit Breaking Capacity

30 mA

Rated Residual Operating Current

0.1 S

Max Breaking Time

6 kA

Max Through-Flow Capacity

Available Rated Currents

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

Operating Voltage

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

Construction & Materials



Detailed view of high-conductivity silver contacts and flame-retardant casing.

Material Specifications

- High-conductivity silver contacts
- T2 pure copper with silvering for oxidation resistance
- T3 red copper for thermal and corrosion resistance
- Reinforced PA66 flame-retardant case

Applications

Product parameters

ZK47L series lightning protection type residual current operated circuit breaker applies to circuit with the frequency of AC 50Hz, 400V and below, and the rated current up to 63A and below. It has lightning protection, overload, short circuit, and leakage protection function. Mainly be used in civil aviation, railway, mining, scientific research, electric power, finance, weather, household and etc. It has a good protective effect on modern electronics products as meter, computer, television, communication equipment.

Technical parameters

| No. | Items | Unit | Technical Parameters |
|-----|---------------------------------------|------|-----------------------------------|
| 1 | rated voltage | V | AC 230V/4N, 3P, 400V/3P, 3P+N, 4P |
| 2 | rated current | A | 6, 10, 16, 20, 25, 32, 40, 50, 63 |
| 3 | rated short-circuit breaking capacity | A | 4000 |
| 4 | tripping release type | | C, B |
| 5 | rated residual operating current | mA | 30 |
| 6 | rated residual non-operating current | mA | 10 |
| 7 | breaking time | S | <0.1 |
| 8 | residual voltage value | UV | <1 |
| 9 | maximal through-flow capacity | KA | 8 |

Designed for demanding environments including industrial and scientific research facilities.

Suitable Environments

Residential, Commercial, Industrial, Civil Aviation, Railway, Mining, Scientific Research, Electric Power