

Residual Current Circuit Breaker

16A/25A/63A

This residual current circuit breaker provides protection against electrical shock and leakage current. It is suitable for AC 50/60Hz systems with voltage up to 415V and rated current up to 63A.



ADDITIONAL IMAGES



Overview

KNL1 Series Residual Current Circuit Breaker

The KNL1 series is a high-performance residual current circuit breaker designed for electrical safety without over-current protection. It is engineered to detect leakage currents and rapidly cut off power, protecting users from electric shocks and preventing electrical accidents. Suitable for industrial sites, commercial buildings, and residential housing, this device ensures reliable operation in AC 50/60Hz circuits.

Electrical Ratings

Rated Current Options

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

| | |
|-----------------------|-------------------------------|
| Rated Working Voltage | 240V (2-pole) / 415V (4-pole) |
|-----------------------|-------------------------------|

| | |
|-----------------|-------|
| Rated Frequency | 50 Hz |
|-----------------|-------|

Performance Metrics

Performance Metrics

3000 A

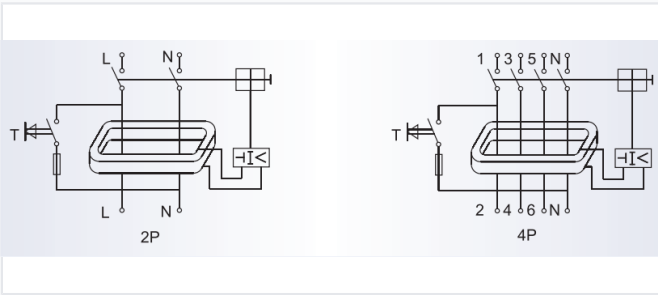
Short-Circuit Capacity

10000 cycles

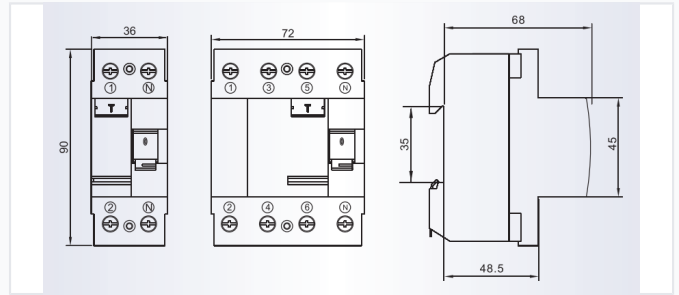
Mechanical Life

| | |
|------------------------|---|
| Maximum Operating Time | I _{th} d 0.1s, 5I _n d 0.04s |
|------------------------|---|

Technical Specifications



Wiring diagrams showing connection points for line, neutral, and test circuits for 2P and 4P configurations.



Dimensional drawing for front, side, and top views of the circuit breaker unit.

Residual Current Settings

| Type | Values (A) |
|----------------------|-------------------------|
| Operating Current | 0.03, 0.1, 0.3, 0.5 |
| Un-operating Current | 0.015, 0.05, 0.15, 0.25 |

Sensitivity Type

A Type • AC Type

Pole Configuration 2P, 4P

Compliance

Standards Compliance IEC/EN61008.1, GB16916.1