

Residual Current Circuit Breaker

This residual current circuit breaker is suitable for AC 50/60Hz lines with voltage 240V (2 pole) / 415V (4 pole) and rated current up to 100A. It rapidly cuts off power in the event of human electricity shock or line leakage, protecting human safety and preventing accidents.



ADDITIONAL IMAGES



Overview

KNL4 Series Residual Current Circuit Breaker

The KNL4 series is a high-performance residual current circuit breaker designed for AC 50/60Hz lines. It provides essential protection against electric shock and leakage currents by rapidly cutting off power when predefined limits are exceeded. Engineered for versatility, this device is suitable for industrial sites, commercial buildings, and residential housing, offering both safety and the capability for infrequent line switching.

Electrical Ratings

Rated Current

- 16
- 20
- 25
- 32
- 40
- 50
- 63
- 80
- 100

Rated Working Voltage	240/415V
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Rated Frequency	50/60Hz
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Performance Metrics

Key Performance Metrics

10000 cycles

Mechanical Life

4000 cycles

Electric Life

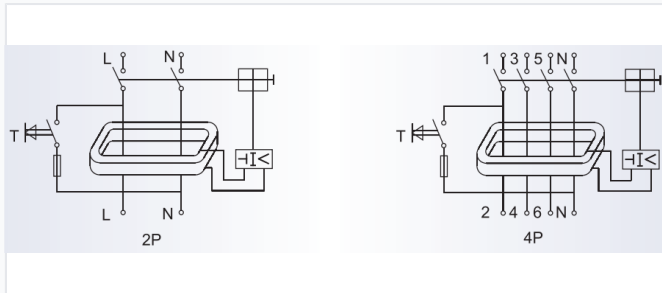
10000 A

Rated Short-Circuit Current

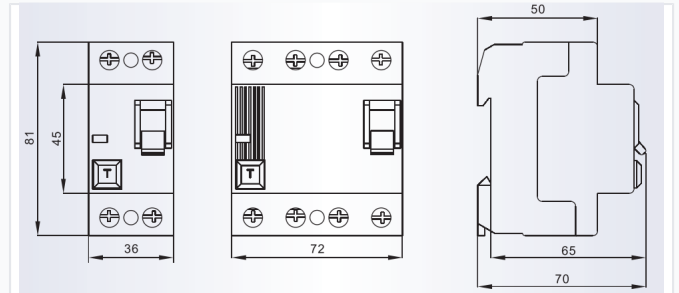
Residual Current Specifications

Parameter	Values
Rated residual operating current	0.03, 0.1, 0.3, 0.5 A
Rated residual un-operating current	0.015, 0.05, 0.15, 0.25 A

Technical Details



Wiring configuration diagrams for 2P and 4P models including Line, Neutral, and test circuit connections.



Installation dimensions showing height, width, and depth for planning electrical panel layouts.

Sensitivity Type

A Type • AC Type

Available Pole Numbers

2P, 4P

Standards Compliance

GB 16916.1, IEC/EN 61008.1