

Residual Current Circuit Breaker 80A 100A

This residual current circuit breaker is designed for protection against electrical shock and fire hazards caused by earth leakage currents. It is available in 80A and 100A current ratings, with tripping sensitivities of 30mA and 300mA.



ADDITIONAL IMAGES



Product Overview

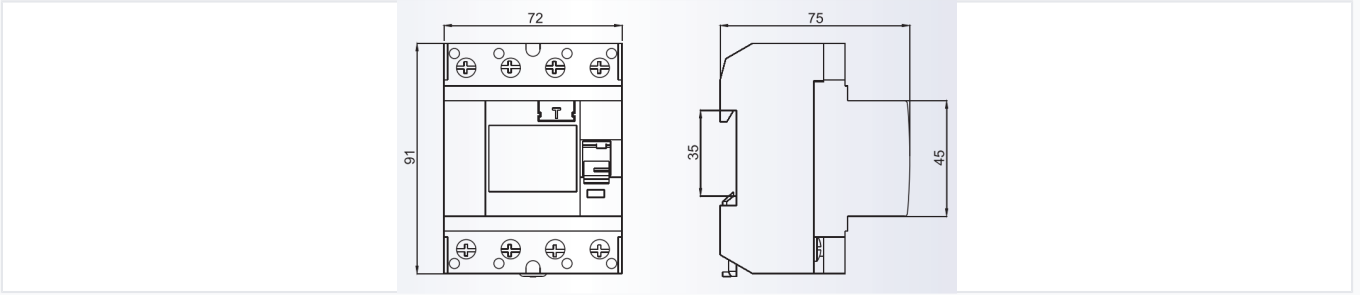
Professional Leakage Protection

The KNL1-series residual current circuit breaker is designed for high-performance electrical safety, protecting against human electric shock and potential fire hazards. By monitoring the vector sum of currents in a zero-sequence current transformer, it rapidly cuts off power the moment a leak is detected. This robust solution is ideal for industrial, commercial, and residential applications, ensuring compliance with international safety standards.

Electrical Ratings

Rated Current Options	80A, 100A
Rated Working Voltage	240V (2-pole) / 415V (4-pole)
Rated Frequency	50 Hz

Performance Metrics



Schematic view of the protective relay configuration.

Technical Capabilities

10000 cycles

Mechanical Life

4000 cycles

Electric Life

3000 A

Short-Circuit Current

Rated Residual Operating Currents

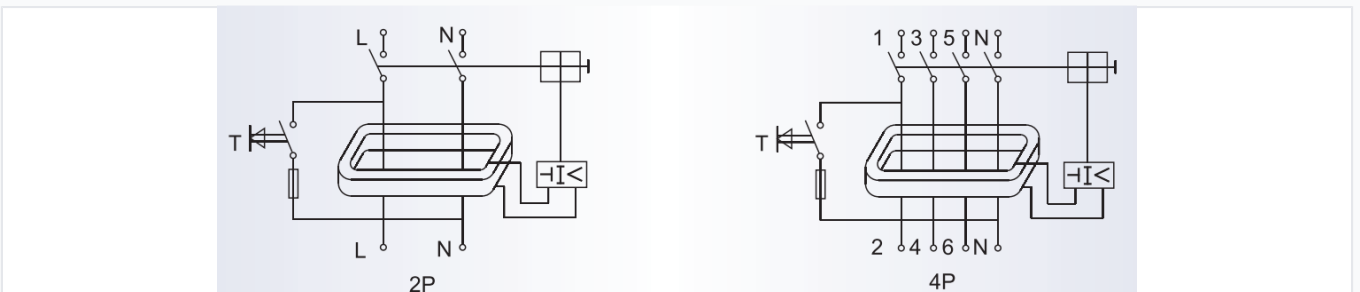
- 0.03A
- 0.1A
- 0.3A
- 0.5A

Standards & Compliance

Compliance Standards

IEC/EN 61008.1, GB 16916.1

Mechanical Data



Internal zero-sequence current transformer mechanism for rapid leakage protection.

Available Poles

2P • 4P

Sensitivity Types

A Type, AC Type, S Type