

Earth Leakage Circuit Breaker

This leakage breaker is designed for the leakage protection of AC 50/60Hz lines, with a rated voltage of 240V and a rated current up to 63A. It automatically cuts off power within 0.1s in the event of human electricity shock or if the leakage current exceeds the prescribed value, protecting human safety and preventing accidents due to current leakage.



Product Overview

KNLE2-63 Series Leakage Breaker

The KNLE2-63 series is a high-performance leakage breaker designed for AC 50/60Hz lines with a rated voltage of 240V and currents up to 63A. It provides comprehensive protection against electrical shock, current leakage, overloads, and short circuits, automatically cutting off power within 0.1s. Compliant with international standards IEC/EN61009-1 and GB16917.1, it ensures safety and reliability for both residential and commercial electrical systems.

Electrical Ratings

Rated Current

- 6
- 10
- 16
- 20
- 25
- 32
- 40
- 50
- 63

Rated Voltage	240 V
Rated Frequency	50/60Hz
Poles	1P+N

Performance Metrics

Key Performance Metrics

6000 A

Short-Circuit Current

8000 cycles

Mechanical Life

4000 cycles

Electric Life

Instant Release Type

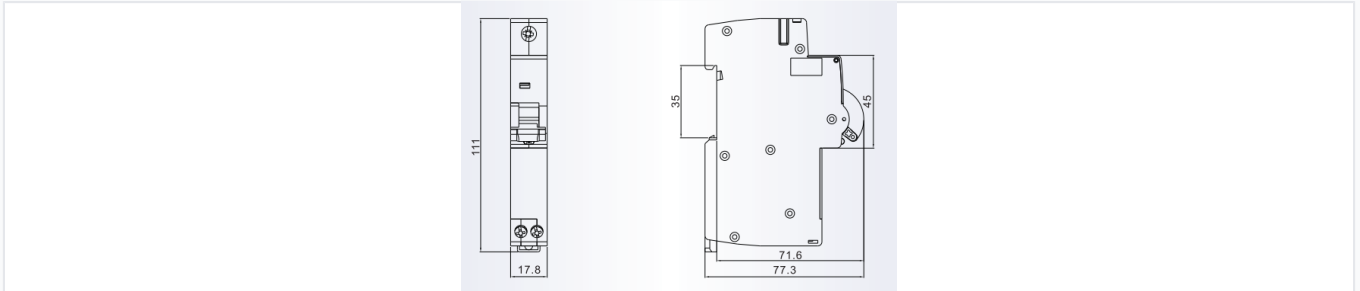
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Safety Specifications

Leakage Protection

Parameter	Value
Rated residual operating current	0.01A, 0.03A
Rated residual un-operating current	0.005A, 0.015A
Maximum operating time (I ² n)	d0.8
Maximum operating time (5I ² n)	d0.04

Dimensions



Dimensional drawing illustrating the compact profile and integration measurements for electrical panel installation.

Physical Dimensions

Dimension	Measurement	Unit
Width	17.8	mm
Height	111	mm
Depth	77.3	mm
Mounting Section Height	35	mm
Trip Lever Extension	45	mm
Main Body Length	71.6	mm