

Leakage Circuit Breaker

This leakage circuit breaker is designed to protect against electrical shock and leakage current in electrical lines. It automatically breaks the power within 0.2 seconds when a leak is detected or someone receives an electric shock.



ADDITIONAL IMAGES



Overview

KNLE1-100 Leakage Circuit Breaker

The KNLE1-100 series leakage circuit breaker is designed for reliable electrical protection in single-phase (up to 230V) and three-phase (up to 400V) lines with rated currents up to 100A. It provides essential safety by automatically cutting power within 0.2 seconds in the event of an electric shock or leakage current exceeding stipulated values, protecting both personnel and equipment. Additionally, this device performs overload and short-circuit protection, as well as low-frequency circuit switching under normal operating conditions.

Electrical Ratings

Rated Working Current

- 63
- 80
- 100

Rated Working Voltage	240/415V
Rated Frequency	50/60Hz
Rated Limiting Short-Circuit Current	6000 A

Leakage Protection

Rated Residual Operating Current

- 0.03
- 0.1

Rated Residual Un-operating Current

- 0.015
- 0.05

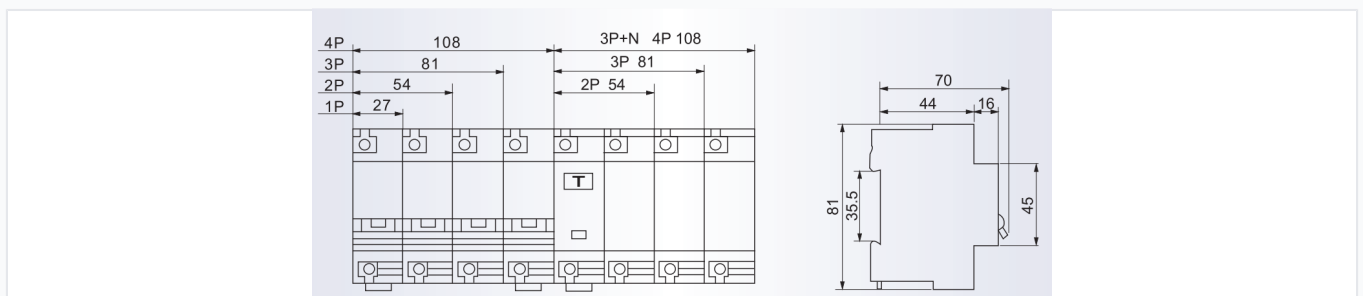
Sensitivity Type

AC Type

Maximum Operating Time

l_h d 0.3s, 5l_h d 0.04s

Mechanical & Configuration



Dimensional drawing showing installation measurements for 1P, 2P, 3P, 4P, and 3P+N configurations.

Pole Number

1P+N, 2P, 3P, 3P+N

Frame Class

100 A

Instant Release Type

B, C, D

Durability

Mechanical Life

8000

Electric Life

4000

Compliance

Standards

GB16917.1