

# Earth Leakage Circuit Breaker

This earth leakage circuit breaker (ELCB) is designed for protection against earth leakage, overload, and short circuit. It has adjustable earth leakage sensitivity and a test button to verify functionality.



## ADDITIONAL IMAGES



## Overview

### Reliable Circuit Protection

The RDM1L series residual current circuit breaker is engineered for AC 50Hz distribution circuits, providing essential protection against earth leakage, overload, and short-circuit faults. Designed for safety and versatility, this device is suitable for power distribution, circuit isolation, and infrequent motor starting. It meets rigorous IEC60947-2 and GB14048.2 standards, ensuring dependable performance in demanding industrial and commercial environments.

## Electrical Ratings

Rated Working Voltage	400 V
Rated Current Range	Up to 800A
Impulse Withstand Voltage (Uimp)	12 kV

## Performance Metrics

### Breaking Capacity

**35 kA**

I<sub>cu</sub>

**25 kA**

I<sub>cs</sub>

Tripping Time (t<sub>lh</sub>)

< 0.1s

## Operating Environment

### Humidity Tolerance

- 50% max at +40°C
- 90% max at +20°C

### Operating Temperature

-5°C to +40°C

### Maximum Altitude

2000 m

## Installation

### Max Installation Inclined Angle

5 degrees

### Pollution Class

3

## Standards

### Standards Compliance

IEC60947-2, GB14048.2