

Earth Leakage Circuit Breaker

Earth leakage circuit breakers protect against electrical shock and prevent fires caused by ground faults. The device monitors current balance between conductors, tripping when leakage exceeds a preset threshold.



Product Overview

Safety and Protection

This Earth Leakage Circuit Breaker is designed to provide essential safety by protecting against electrical shock and preventing fires caused by ground faults. The device continuously monitors the current balance between supply and return conductors, instantly interrupting power if a leakage current exceeds the preset threshold. It is a reliable solution suitable for diverse residential, commercial, and industrial electrical protection applications.

Technical Specifications

Rated Current	40 A
Rated Voltage	240 V AC
Frequency	50/60 Hz
Leakage Current Threshold (I _{th})	0.03 A
Compliance Standards	IEC 61009-1

Features

Key Protection Features

- Continuous current balance monitoring
- Ground fault protection
- Electrical shock prevention
- Fire hazard mitigation

Application Suitability

Suitable Environments

Residential • Commercial • Industrial