

RoHS
Compliant



Description

Circuit breakers are a cost-effective method to ensure repeatable, reliable circuit protection. Meant to assist with systems that may be exposed frequently to over currents, or where replacing fuses may not be feasible, these products are critical components for protecting wiring, electrical equipment, and vehicle subsystems. Available in multiple current ratings, our Thermal Breakers are a flexible solution to accommodate many applications.

Applications

Suitable for European-style plug, uninterruptible power system, inverter, water pump, electric scooter, machine tool, generator, battery protection, motor protection, etc.

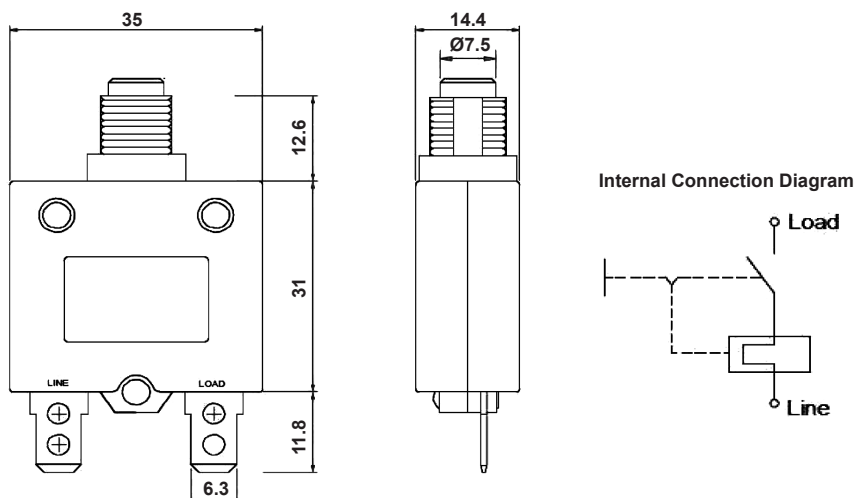
Features

- Quick connect
- Button extends for visible trip indication
- Push-to-reset operation

Specifications

Current Rating Range	: 35 Amps to 50 Amps
Operating Ambient Temperature	: -10°C to +60°C
Input Voltage Rating	: 125/250V AC; 32/50V DC
Insulation Resistance	: 125/250V AC × 1000A (UL 1077)
Insulation Resistance	: >100MΩ (DC 500V)
Hipot Test	: 1500V AC/min
Termination	: 250"(6.35mm) quick connects or solder terminals

Diagram

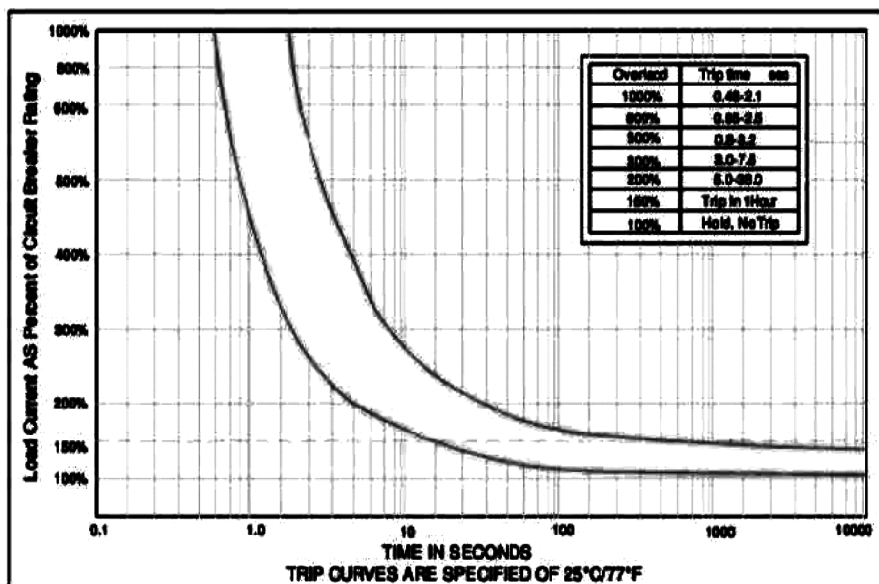


Dimensions : Millimetres

Ambient Temperature Correction Factor

Ambient Temperature	-10°C	0°C	10°C	25°C	35°C	40°C	50°C	60°C
Multiplication factor	1.3	1.2	1.1	1	0.94	0.85	0.73	0.68

35A to 50A Trip Time Curves



Part Number Table

Description	Part Number
Thermal Circuit Breaker, 35A	MP012949
Thermal Circuit Breaker, 40A	MP012950
Thermal Circuit Breaker, 50A	MP012951

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