

RoHS
Compliant



Description

These Stud Type Circuit Breaker are a cost-effective method to ensure repeatable, reliable circuit protection. Meant to assist with systems that may be exposed frequently to overcurrents, 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 Stud Type Circuit Breaker are a flexible solution to accommodate many applications.

Applications

- Suitable for marine, RV Car, ATV, winch, electric anchor, Battery charger, jump starter, Trolling motor, pressure washer etc.

Features and Benefits

- Compliances SAE J553
- Materials UL 94V-0 Thermoplastic body

Specification

Operating temperature	: -10°C to +60°C
Storage temperature	: -40°C to +100°C
Dielectric Strength	: > 1,500V AC/min.
Terminal Type	: #10-32 thread
Current rating range	: 4A to 50A
Automotive Type	: Auto- Reset; 12/24V DC Automotive Type I
Breaking Capacity	4 times rated current

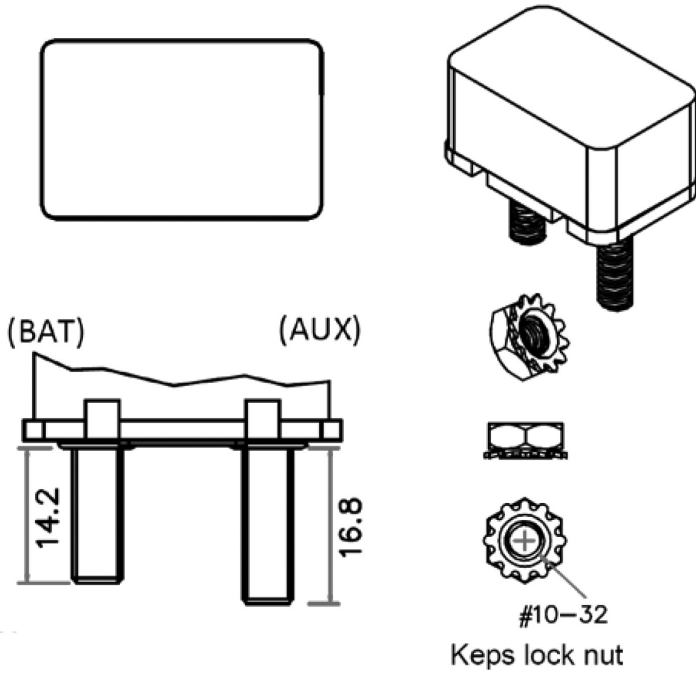
Stud Type Circuit Breaker T1

- Input voltage rating : 12/24V DC
- Auto- Reset : 12/24V DC Automotive Type I
- Operating Ambient Temperature : -10°C to +60°C
- Materials : UL 94V-0 Thermoplastic body
- Terminal Type : #10-32 thread

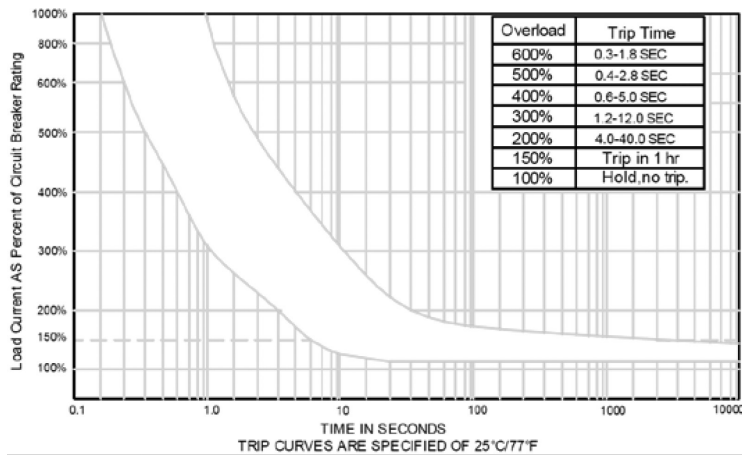
Thermal Circuit Breaker

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Diagram



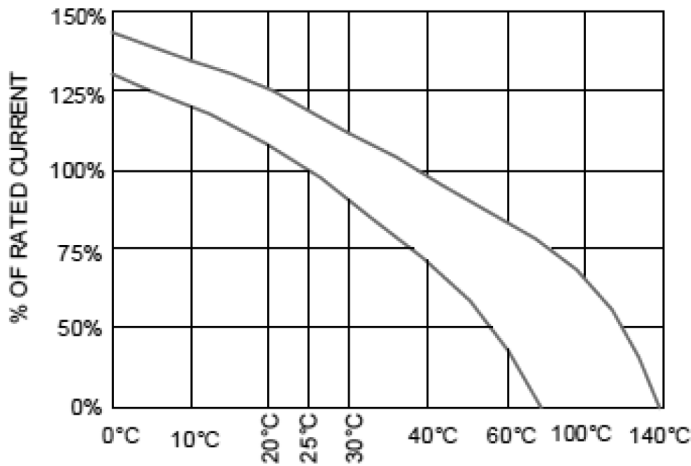
AR Series 3-50A Trip Curves



Description	Amps	Rated voltage	Part Number
Thermal Circuit Breaker	5A	12/24V DC	MP013158
	8A		MP013159
	10A		MP013160
	15A		MP013161
	20A		MP013162
	25A		MP013163
	30A		MP013164
	40A		MP013165
	50A		MP013166

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Temperature Derating Curves



The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping. Please multiply the current breaker current ratings by the derating factor shown below.

Ambient Temperature	-10°C	0°C	10°C	25°C	40°C	50°C	60°C
Multiplication Factor	1.25	1.15	1.05	1	0.9	0.8	0.7

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