



SERIES 17

Compact Base

RAISING THE BAR
MP - COUNT ON IT

High Amperage 25 to 150 AMP

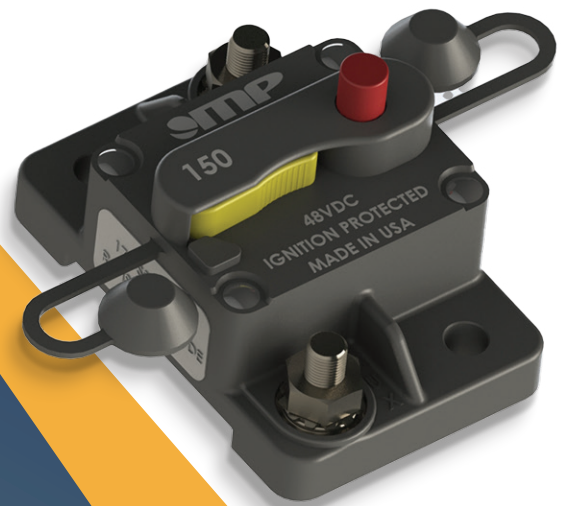
Type I & III Vehicle Protection

IP67 Waterproof

SAE & ABYC Compliant

Ignition-Protected

LED TripID™ Option



SUPERIOR CIRCUIT PROTECTION

www.mechprod.com

Series 17 Compact Base Overview

FEATURES:

48 VDC maximum for 25 - 150 Amp
 Trip-free operation
 Auto, manual, or switching option
 1/4" Stainless
 - Steel Terminal Studs and Sems Nuts

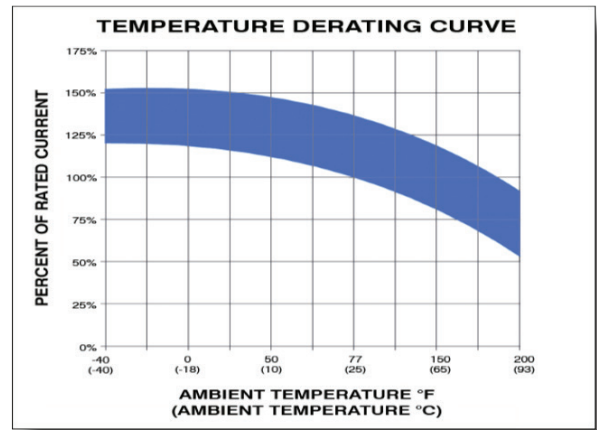
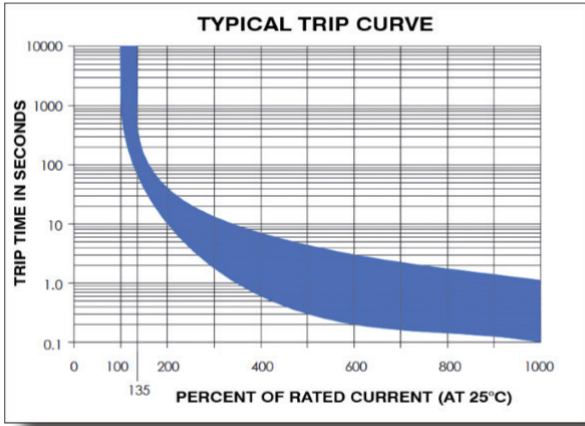
- Robust thermoplastic base (same as S0 version)
- Visible trip indication
- Waterproof
- Ignition-protected
- Recessed Button option

Series 17 Compact Base Specifications

Standard Amp Ratings	25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 110, 120, 135, 150 Amps
Maximum Voltage Ratings	Type III: 48 VDC (25 -150A) Type I: 30 VDC auto-reset (25 - 150A)
Ultimate Trip	Must Hold 100% at 25°C/77°F Must Trip at 135% within 1 hour.
Dielectric Strength	1,500VAC Minimum
Interrupt Capacity (25 - 150A)	3,000A @ 14VDC (Type III) 1,500A @ 48VDC (Type III) 3,000A @ 30VDC (Type I)
Endurance (25 - 150A)	14VDC @ 100 cycles, 6X rating (Type I & Type III) 28VDC @ 100 cycles, 2X rating (Type III) 30VDC @ 100 cycles, 2X rating (Type I) 48VDC @ 50 cycles, 1.5X rating (Type III)
Operating Temperature Range	-40°C/-40°F to 85°C/185°F
Weight	Compact Surface Mount: 4.0 oz. (114 gm.)
Ignition Protected	Compliant to SAE J1171
Ingress Protection	IP67 dust and waterproof rated - protection against immersion up to 1 meter of water for 30 minutes.
Corrosion	Conforms to Mil-STD-202, Method 101, Test Condition A, for 96 hours under a 5% salt Spray.
Humidity	Conforms to Mil-STD-202, Method 106, for 240 hours at 95% RH.
Shock	Rated to withstand 100g per Mil-STD-202, Method 213, Test Condition A.
Vibration	Rated to withstand 10g per Mil-STD-204, Test Condition A.
Regulatory Compliance Summary	Interrupt Capacity: SAE J1625, ABYC-E11, UL1077* Ignition Protected: SAE J1171 Endurance: SAE J1625 Dielectric Strength: UL1077* Shock, Vibration, Corrosion, Humidity: Mil-STD-202 Dust and Waterproof: IP67

*tested per UL1077 methods





Typical Overload Trip Time Data (in seconds)

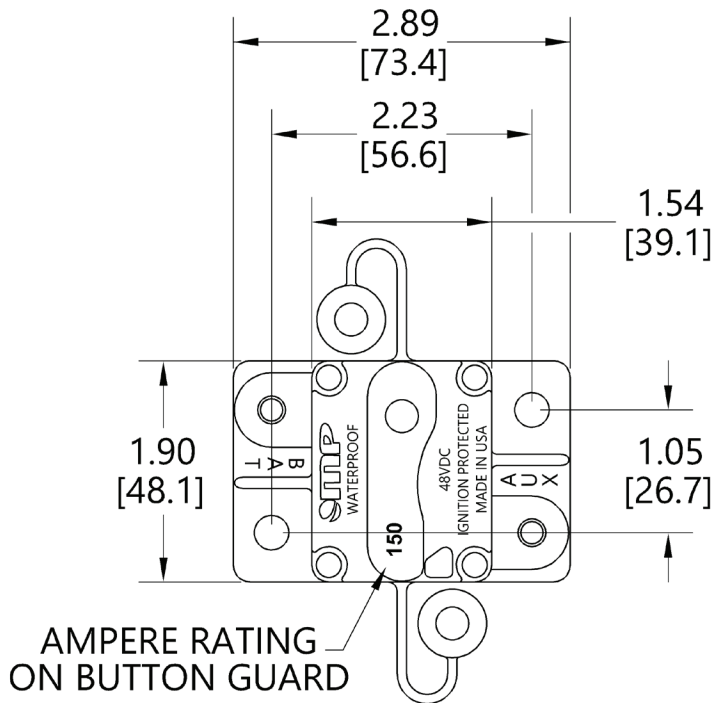
Current Rating	200%	400%	600%	800 %	1000%
25-150 Amps	10-40	0.6-7.0	0.2-3.0	0.15- 2.0	0.09-1.2

Typical Ambient Temperature Correction Factor

Current Rating	°F	-40	0	50	77	150
	°C	-40	-18	10	25	65
25-150 Amps		0.80	0.84	0.87	1.00	1.22

Series 17 Compact Base Physical Configuration

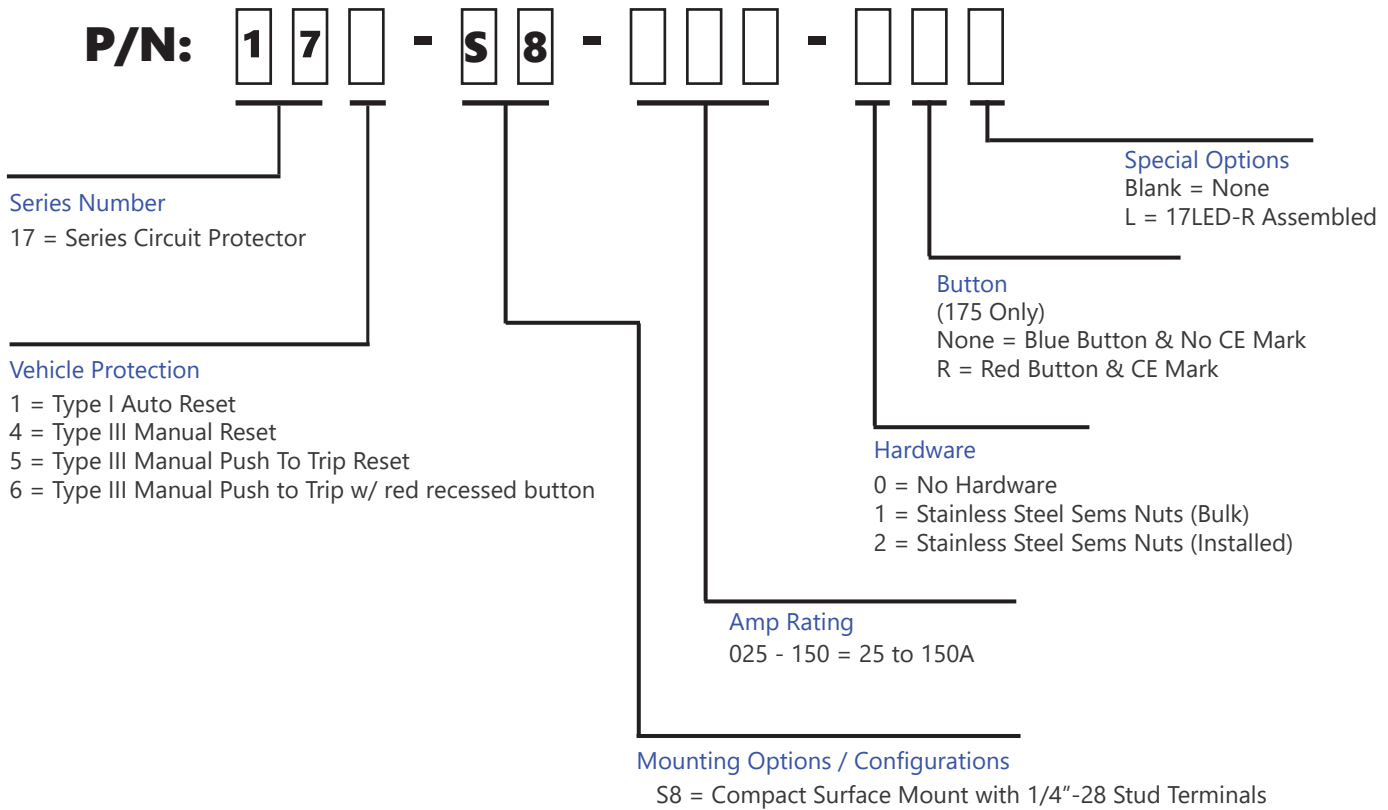
S8 Compact Surface Mount 1/4" -28 Stud Terminals



Visit the MP website:



Series 17 Compact Base Part Numbering Guide



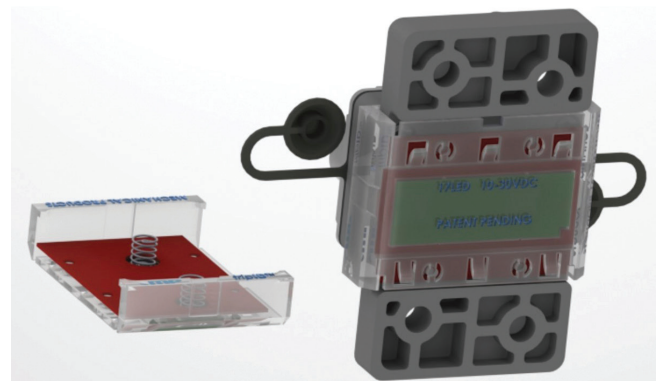
Typical High Amp Applications

Main or supplementary circuit protection in industrial/commercial vehicles:

- Agricultural
- Trucks
- Automotive Lifts
- Construction
- Marine
- Battery Chargers
- Emergency Vehicles
- Buses
- Recreational Vehicles

Protect:

- Wiring
- Motors
- Inverters
- Lighting
- Pumps
- Converters
- Components
- Alternators
- Generators
- Air Compressors
- Batteries
- and more



MP P/N: 17LED-R

(Sold separately or assembled)

TripID™ snaps on to rear of surface mount breaker.



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WARNING: Cancer & Reproductive Harm
www.p65warnings.ca.gov/

Specifications subject to change

QC-4015-B