

Series 18X Hi-Amp Circuit Breaker

Auto, Manual & Switchable Reset Circuit Breakers

Specifications

Single Pole Thermal Type Breakers

Applications: Typically used in auxiliary and accessory circuits in truck, bus', RVs and marine systems. Others include battery chargers and DC audio systems. Series 181, 184 & 185 are sealed for engine compartment and bilge area applications.

Rating: 25-150A, 30Vdc; 48Vdc (Series 184 & 185)

Interrupt Rating: 3000A @ 30Vdc

Operating Temperature Rating: -25°F (-32°C) to 180°F (82°C)

Storage Temperature Rating: -30°F (-34°C) to 300°F (149°C)

Materials: Black UL-rated 94V0 thermoset plastic. Thermoplastic elastomer stud insulators are provided on covered units with F-style (surface-mount) bases

Marking: Standard marking includes amp ratings and part numbers. Custom markings also available.

Termination: 1/4-28 threaded studs

Torque Rating: 50 in-lbs (5.6N•m) max

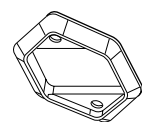
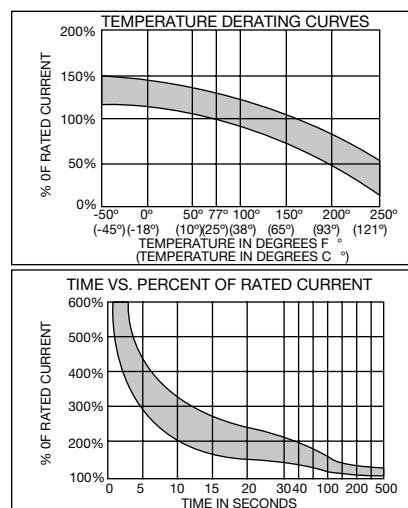
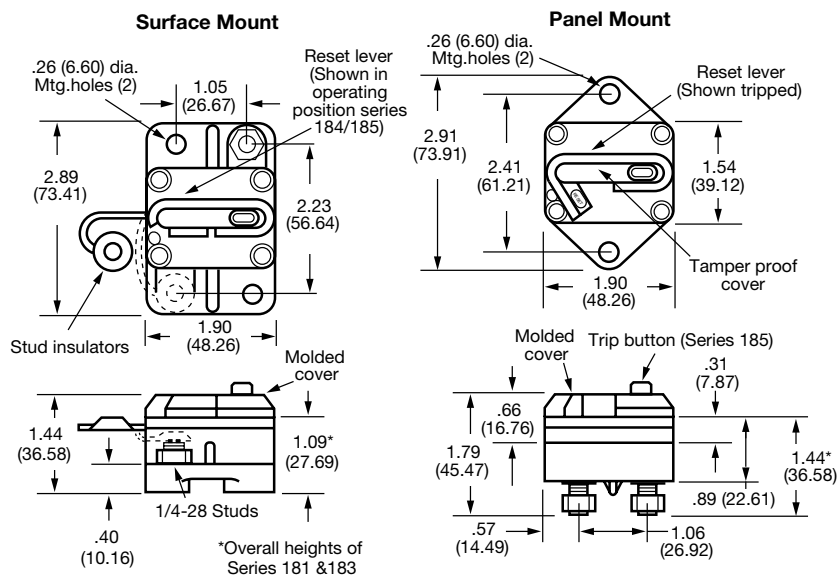
Mounting Torque Rating: Panel or surface-mount options; 50 in-lbs (5.6N•m) max. Threaded insert option has a max torque of 25 in-lbs (2.8N•m).

Ingress Protection Rating: IP67

Features / Options: Series 184 & 185 have a unique reset mechanism which provides visual indication of tripped condition. Series 185 also features a push-to-trip option

Compliances: SAE J1625; ABYC E-11; CE; SAE J1171 (ignition protected)

Dimensions - in(mm) (Dims. shown are for reference only. Consult factory for latest prints)



Flange mount gasket for thru-wall applications (option 07)

Part Numbering System

Series	Rating	Mounting	Terminal Hdwr.	Marking
1 8		—	—	
181 - Type I, 30V	025 - 25 amps	F - Surface Mount	00 - Ship w/o nuts	0 - Blank cover
183 - Type I*, 30V	030 - 30 amps	P - Panel Mount	01 - Sems nuts installed	1 - Standard Marking; Part Number,
184 - Type III, 42V	035 - 35 amps		02 - Sems nuts shipped bulk	Amp Rating
185 - Type III-PTT, 42V	040 - 40 amps		03 - Stainless Steel Std. nuts & washers installed	181, 184, 185 Series - Top Surface
	050 - 50 amps		04 - Stainless Steel Std. nuts & washers shipped bulk	183 Series - Side Surface
	060 - 60 amps		07 - Flange gasket & Sems nuts installed (Panel Mount Only)	S - Standard Ignition Protected Marking
	070 - 70 amps		08 - Threaded insert and Sems nuts installed	(Consult factory for special markings.)
	080 - 80 amps		12 - Stainless steel nuts and lockwashers installed	
	090 - 90 amps		13 - Stainless steel Sems nut installed	
	100 - 100 amps			
	110 - 110 amps			
	120 - 120 amps			
	135 - 135 amps			
	150 - 150 amps			

*183 Available in Panel Mount Only (Coverless)

Mouser Electronics

Authorized Distributor

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