

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

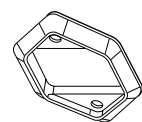
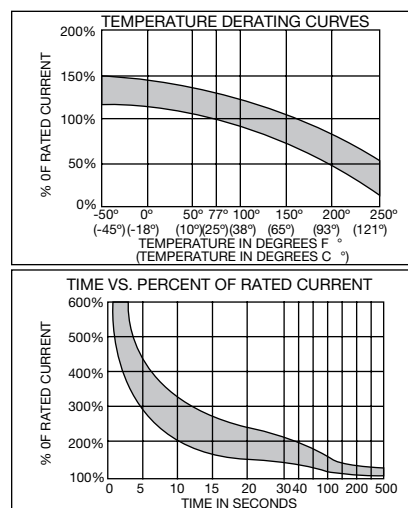
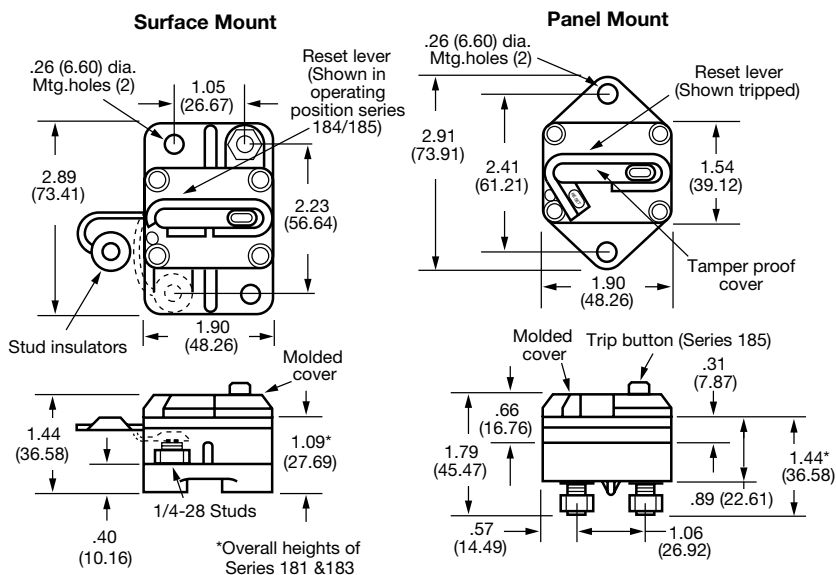
Mounting Torque Rating: Panel or surface-mount options; 50 in-lbs (5.6N•m) max. Threaded insert option has a max torque of 25 in-lbs (2.8N•m).

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)

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