

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

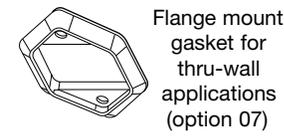
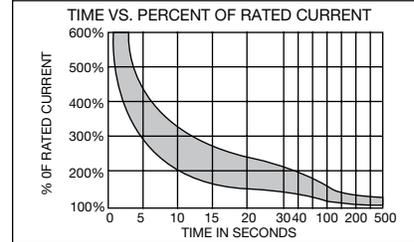
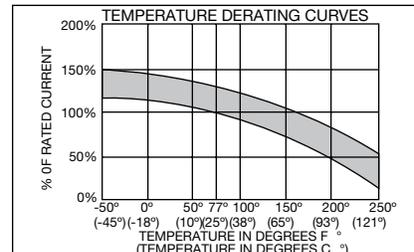
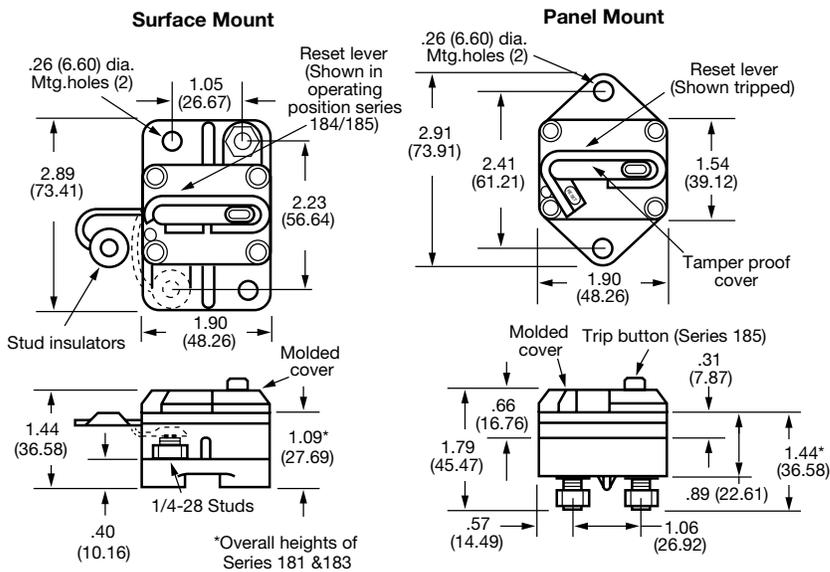
Mounting Torque Rating: Panel or surface-mount options; 50 in-lbs (5.6N•m) max. Threaded insert option has a max torque of 25 in-lbs (2.8N•m).

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)



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 | |
| *183 Available in Panel Mount Only (Coverless) | 100 - 100 amps | | | |
| | 110 - 110 amps | | | |
| | 120 - 120 amps | | | |
| | 135 - 135 amps | | | |
| | 150 - 150 amps | | | |

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