## **Bussmann**<sup>®</sup>

## HI-AMP Reset Circuit Protectors Signle Pole Thermal Type Breakers Auto, Manual & Switchable

## **SPECIFICATIONS** Single Pole Thermal Type Breakers Ratings: 40A to 150A; 30 VDC. Operating Temperature: -25°F (-32°C) to 180°F (82°C). Storage Temperature: -30°F (-34°C) to 300°F (149°C). Applications: Typically used in auxiliary and accessory circuits -- trucks, buses, RV's and marine applications. Others might include battery chargers and DC audio systems. Series 181, 184 & 185 are sealed for engine compartment and bilge area applications. Housing: Thermoset plastic; UL rated 94VO; 311°F (155°C). Stud insulators are provided on all covered units. Mounting: Panel or surface. Indicator: Series 184 & 185 have a unique reset mechanism which provides visible indication of tripped condition. Approvals: Complies with SAE Standard J1625 TEMPERATURE DERATING CURVES TIME VS. PERCENT OF RATED CURRENT 200% 600% % OF RATED CURRENT RATED CURRENT 500% 150% 400% 100% 300% 50% 6 0F 200% 0% ∟ -50′ 100% 100 200 500 10 15 20 3040 TIME IN SECONDS 0° 50° 77° 100° 150° 200 TEMPERATURE IN DEGREES F. Panel Mount Surface Mount Dimensions .26" (6.60) dia. Mtg.holes (2). Reset lever Mtg.holes (2) 1.05" (26.67) (Shown tripped) Reset lever (Shown in operating position) 2.91" (73.91) NEW! 2.89' (61.21) (39.12)(73.41)2.23 (56.64)0 Tamper proof covei 1.90" (48.26)1.90" (48.26) Stud insulators Trip button (Series 185) Molded cover Flange mount Molded cover gasket for (22.61) ŧ through-wall ł .66" (16.76) .31" (7.87) 🛔 applications 1.44" 1.09"\* (36.58) 1.79' (option 07) 'n ŧ (27.69)1.44 (45.47) <u>(36.58)</u> .40" (10.16) ŧ 1/4"-28 Studs .57" -(14.49) 1.06 \*Overall heights of Series 181 &183 (26.92) PART NUMBERING SYSTEM Series Rating Mounting **Terminal Hdwr.** Marking 1 8 181 - Auto Reset 040 - 40amps F - Surface Mount 00 - Ship w/o nuts 0 - Blank cover P - Panel Mount 1 - Standard Marking; Part Number, 183 - Auto Reset 050 - 50 amps 01 - Sems nuts installed 184 - Manual Reset 02 - Sems nuts shipped bulk 060 - 60 amps Amp Rating 185 - Switchable/Manual 070 – 70 amps 03 - Stainless Steel Std. nuts & 181, 184, 185 Series - Top Surface 080 - 80 amps washers installed 183 Series - Side Surface Consult factory for special markings. 090 - 90 amps 04 - Stainless Steel Std. nuts & 100 - 100 amps washers shipped bulk 110 - 110 amps 05 - Sems nuts - bulk/eyelets installed 120 - 120 amps 06 - Sems nuts & eyelets installed 135 - 135 amps 07 - Flange gasket & Sems nuts installed 150 - 150 amps 08 - Threaded insert & Sems nuts installed



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## Series 180