HI-AMP Reset Circuit Protectors

Series 180

Single 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

**PART NUMBERING SYSTEM**

<table>
<thead>
<tr>
<th>Series</th>
<th>Rating</th>
<th>Mounting</th>
<th>Terminal Hdw.</th>
<th>Marking</th>
</tr>
</thead>
<tbody>
<tr>
<td>181</td>
<td>040 – 40amps</td>
<td>F – Surface Mount</td>
<td>00 – Ship w/o nuts</td>
<td>0 – Blank cover</td>
</tr>
<tr>
<td>183</td>
<td>050 – 50amps</td>
<td></td>
<td>01 – Semis nuts installed</td>
<td>1 – Standard Marking; Part Number, Amp Rating</td>
</tr>
<tr>
<td>184</td>
<td>060 – 60amps</td>
<td>P – Panel Mount</td>
<td>02 – Semis nuts shipped bulk</td>
<td>181, 184, 185 Series - Top Surface</td>
</tr>
<tr>
<td>185</td>
<td>070 – 70amps</td>
<td></td>
<td>03 – Stainless Steel Std. nuts &amp; washers installed</td>
<td>183 Series - Side Surface</td>
</tr>
<tr>
<td></td>
<td>080 – 80amps</td>
<td></td>
<td>04 – Stainless Steel Std. nuts &amp; washers shipped bulk</td>
<td>Consult factory for special markings.</td>
</tr>
<tr>
<td></td>
<td>090 – 90amps</td>
<td></td>
<td>05 – Semis nuts - bulk/eylets installed</td>
<td></td>
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<tr>
<td></td>
<td>100 – 100amps</td>
<td></td>
<td>06 – Semis nuts &amp; eylets installed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>110 – 110amps</td>
<td></td>
<td>07 – Flange gasket &amp; Semis nuts installed</td>
<td></td>
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<tr>
<td></td>
<td>120 – 120amps</td>
<td></td>
<td>08 – Threaded insert &amp; Semis nuts installed</td>
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<tr>
<td></td>
<td>135 – 135amps</td>
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<tr>
<td></td>
<td>150 – 150amps</td>
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</tbody>
</table>

**Dimensions**

- **Surface Mount:**
  - .26" (6.60) dia.
  - Mtg. holes (2)
  - Stud insulators
  - Molded cover

- **Panel Mount:**
  - .26" (6.60) Mtx. holes (2)
  - Reset lever (Shown in operating position)

**Flange mount gasket for through-wall applications** (option 07)

**TEMPERATURE DERATING CURVES**

**TIME VS. PERCENT OF RATED CURRENT**

**NEW!**

**Tamper proof cover**

**NEW!**

**Trip button (Series 185)**

**NEW!**

**NEW!**