Product Data Sheet

ST750M8
Motor Terminal Block
160 Amps, 1000 Volts UL (AC/DC) 1000V CE, 1,100V SANS 1804

Line and Load side: M8 stud
Wire range: 2/0 - #12 AWG (70 -4 mm²) stranded Cu wire
• Studs intended for use with listed crimp/compression lugs.

Electrical and Agency Ratings:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Amperage</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL 1059</td>
<td>CSA 22.2 #158</td>
<td>CE IEC 60947-7-1</td>
</tr>
<tr>
<td>Amp Rating</td>
<td>Amp Rating (Iₕ)</td>
<td>Short Time Withstand Current (Iₗₜₚ)</td>
</tr>
<tr>
<td>UL/CSA</td>
<td>CE</td>
<td>UL/CSA</td>
</tr>
<tr>
<td>XCFR2. E62806</td>
<td>XCFR8. E62806</td>
<td>XCHG2. E243117</td>
</tr>
<tr>
<td>160</td>
<td>165</td>
<td>8,088</td>
</tr>
<tr>
<td>Clearance Through air (min.)</td>
<td>Creepage Over Surface (min.)</td>
<td></td>
</tr>
<tr>
<td>0.63 (16.0)</td>
<td>0.85 (21.6)</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical Ratings:
• Maximum insulator base temperature: 130°C (266°F) UL RTI
• Flammability rating of insulator base: UL 94 V-0
* Use outside these ratings needs to be judged in the end-use application.

Materials:
• Link: Copper, nickel plated
• Insulator base: Thermoset polyester
• Threaded stud: Steel, nickel plated
• Hex nut: Steel, zinc plated
• Flat washer: Steel, zinc plated
• Lock washer: Steel, zinc plated
• RoHS Compliant
• REACH Compliant

Torque:

Line and Load Side Torque:
• Wire range: 2/0 - #12 AWG (70 – 4 mm²) Stranded Cu wire
• 106 in. lbs. (12.0 N·m)
• Hex nut: 13 mm across flats
• Panel mountable: 5/16 (M8) fastener, torque to 40 – 50 in. lbs. (4.5 – 5.7 N·m)