SEFUSE SM-G Thermal Fuses

Our SM/G thermal fuse uses a fusible alloy inside a ceramic case. It has a continuous current rating of 0.5A/250VAC. Because of its insulated case, the SM fuse can be applied directly to where it will be most effective.

Features
- Smallest diameter, one shot thermal fuse
- Ceramic Fuse body: 1.6 x 5mm
- Temp range: 110°C to 225°C
- Rating: 0.5A/250VAC (for DC see below)

Applications
- Electric motors, transformers & solenoids
- Personal care and small appliances
- Rechargeable battery packs
- Component monitoring e.g. ATEX applications

Dimensions in mm

Before Operation
In the SM fuse, the leads are connected by a fusible alloy. The current flows directly from one lead to the other through the fusible alloy which is coated with a special flux.

After Operation
When the ambient temperature rises to the SM's operating temperature, the fusible alloy melts and coalesces into a drop around the end of each lead. This is due to surface tension forces and the special flux coating. The electrical circuit is then open.

Markings

<table>
<thead>
<tr>
<th>Part #</th>
<th>Rated Functioning Temperature Tf (°C)</th>
<th>Operating Temperature (°C)</th>
<th>Tmax (°C)</th>
<th>Electrical Ratings</th>
<th>UL</th>
<th>VDE</th>
<th>BEAB</th>
<th>CSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM110G0</td>
<td>115</td>
<td>110 ±2</td>
<td>125</td>
<td>0.5A (Resistive)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SM137G0</td>
<td>142</td>
<td>137 +3/-2</td>
<td>200</td>
<td>5A DC50V</td>
<td>E71747</td>
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<tr>
<td>SM146G0</td>
<td>151</td>
<td>146 +3/-2</td>
<td>235</td>
<td>AC250V</td>
<td>677802-1171-0003</td>
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<td></td>
<td>C1157</td>
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<tr>
<td>SM225G0</td>
<td>225</td>
<td>219 ±3</td>
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For further information please contact us at sales@atcsemitec.co.uk