Our SM/A thermal fuse uses a fusible alloy inside a ceramic case with a continuous current rating of 2A/250VAC. Because of its insulated case, the SM fuse can be applied directly to where it will be most effective.

Features
- Quick Response
- 2A/250VAC rating
- RoHS and REACH Compliant

Applications
- Rechargeable Batteries
- Small Appliances
- Electric Motors
- Transformers
- Solenoids

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
- Rated Functioning Temperature
- Rated Current
- PSE Mark

Dimensions (Unit: mm)

Note: The dimensions for long lead devices are in parentheses.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Rated Functioning Temperature (°C)</th>
<th>Operating Temperature (°C)</th>
<th>Th Tc (°C)</th>
<th>Tm (°C)</th>
<th>Electrical Ratings</th>
<th>UL</th>
<th>CSA</th>
<th>VDE</th>
<th>BEAB</th>
<th>CCC</th>
<th>PSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM072A0</td>
<td>76</td>
<td>72 ±3/2</td>
<td>46</td>
<td>100</td>
<td>3A (DC50V)</td>
<td>7A DC50V</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SM092A0</td>
<td>97</td>
<td>92 ±3/2</td>
<td>62</td>
<td>200</td>
<td>4A (DC50V)</td>
<td>E7147</td>
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<tr>
<td>SM110A0</td>
<td>115</td>
<td>110 ±3/2</td>
<td>80</td>
<td>125</td>
<td>4A (DC50V)</td>
<td>177280</td>
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<tr>
<td>SM125A0</td>
<td>131</td>
<td>126 ±3/2</td>
<td>96</td>
<td>107</td>
<td>7A DC50V</td>
<td>677802-1171-0001</td>
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<tr>
<td>SM137A0</td>
<td>142</td>
<td>137 ±3/2</td>
<td>107</td>
<td>116</td>
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<td>C1191</td>
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<tr>
<td>SM150A0</td>
<td>150</td>
<td>146 ±3/2</td>
<td>116</td>
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</table>

* Factory Code represents the factory location as shown across

*1) 20020102050021 *2) 200201020502641

For further information please contact us at sales@atcsemitec.co.uk

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