6.3x32 mm / No. 231
Leadfree

**Special Type, 500 V, FF**

**Time-Current Characteristic**
Very Quick Acting (FF)

**Standard**
None

**Approvals**
None

**Features**
- Designed for semiconductor protection
- For high voltage applications
- High breaking capacity
- Pluggable into clips or shocksafe holders

**Dimensions (mm)**
- Ø 6.3
- 32

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**Specifications**

**Packaging**
002: Pack (100 pcs.)

**Materials**
- Tube: Ceramic
- End Caps: Nickel-plated brass

**Operating Temperature**
- -25 °C to +70 °C (consider de-rating)

**Climatic Category**
- -25°C/+70°C/21 days (EN 60068-1..3)

**Stock Conditions**
- +10 °C to +60 °C
- Relative humidity ≤ 75 % yearly average, without dew, maximum value for 30 days-95 %

**Vibration Resistance**
- 24 cycles at 15 min. each (EN 60068-2-6)
- 10 - 60 Hz at 0.75 mm amplitude
- 60 - 2000 Hz at 10 g acceleration

**Marking**
- FF, Current Rating, 500 V

**Unit Weight**
- 2.5 g (approx.)

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**Limits for Pre-arcing Time**

<table>
<thead>
<tr>
<th>Rated Current</th>
<th>1.0 x I_n</th>
<th>1.5 x I_n</th>
<th>2.75 x I_n</th>
<th>4 x I_n</th>
<th>10 x I_n</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.00 A ... 16.00 A</td>
<td>&gt; 1 h</td>
<td>&lt; 30 min</td>
<td>2 ms ... 100 ms</td>
<td>1 ms ... 25 ms</td>
<td>&lt; 3 ms</td>
</tr>
</tbody>
</table>

**Permissible continuous operating current is ≤ 80% at ambient temperature of 23°C (73.4°F).**

<table>
<thead>
<tr>
<th>Rated Current</th>
<th>Amp Code</th>
<th>Voltage Rating</th>
<th>Breaking Capacity</th>
<th>Voltage Drop 1.0 x I_n max. (mV)</th>
<th>Power Dissipation 1.0 x I_n max. (W)</th>
<th>Melting Integral 10 x I_n max. (A·s)</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.00 A</td>
<td>1200</td>
<td>500 V</td>
<td>800</td>
<td>3.0</td>
<td>0.35</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>2.50 A</td>
<td>1250</td>
<td>500 V</td>
<td>800</td>
<td>3.0</td>
<td>0.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.15 A</td>
<td>1315</td>
<td>500 V</td>
<td>800</td>
<td>3.0</td>
<td>0.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.00 A^2</td>
<td>1400</td>
<td>500 V</td>
<td>700</td>
<td>3.6</td>
<td>1.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.00 A^2</td>
<td>1500</td>
<td>500 V</td>
<td>600</td>
<td>3.6</td>
<td>2.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.30 A^2</td>
<td>1630</td>
<td>500 V</td>
<td>600</td>
<td>3.6</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.00 A^2</td>
<td>1800</td>
<td>500 V</td>
<td>600</td>
<td>5.2</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.00 A^2</td>
<td>2100</td>
<td>500 V</td>
<td>500</td>
<td>5.2</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.50 A^2</td>
<td>2125</td>
<td>500 V</td>
<td>500</td>
<td>6.3</td>
<td>38</td>
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<td></td>
</tr>
<tr>
<td>16.00 A^2</td>
<td>2160</td>
<td>500 V</td>
<td>480</td>
<td>6.3</td>
<td>68</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

^1 16.00 A: 0.9 x I_n > 1 h
^2 Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered.

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

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**Order Information**

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Order- Number</th>
<th>Series</th>
<th>Amp Code</th>
<th>Packaging</th>
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<tr>
<td></td>
<td>231</td>
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</tbody>
</table>

 Specifications are subject to change without notice
In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

Contact Littelfuse for individual I-t curves