Surge arrester

2-electrode arrester

Series/Type: V80-A800XP2
Ordering code: B88069X7421B501
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**Surge arrester**

**2-electrode arrester**

### Features
- Small size
- Maximum current rating
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

### Applications
- AC power lines
- Class II - requirements

### Electrical specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC spark-over voltage</td>
<td>&gt; 600 V</td>
</tr>
<tr>
<td>Impulse spark-over voltage</td>
<td>&lt; 1500 V</td>
</tr>
<tr>
<td>Response time</td>
<td>&lt; 100 ns</td>
</tr>
<tr>
<td>Insulation resistance at 100 V&lt;sub&gt;dc&lt;/sub&gt;</td>
<td>&gt; 1 GΩ</td>
</tr>
<tr>
<td>Class II according to EN61643-11</td>
<td></td>
</tr>
<tr>
<td>Max. continuous operating voltage at 50/60 Hz</td>
<td>U&lt;sub&gt;c&lt;/sub&gt;</td>
</tr>
<tr>
<td>Nominal discharge current 8/20 µs</td>
<td>I&lt;sub&gt;n&lt;/sub&gt;</td>
</tr>
<tr>
<td>Maximum discharge current 8/20 µs</td>
<td>I&lt;sub&gt;max&lt;/sub&gt;</td>
</tr>
<tr>
<td>Follow current at 50/60 Hz</td>
<td>I&lt;sub&gt;f&lt;/sub&gt;</td>
</tr>
<tr>
<td>Weight</td>
<td>~ 3.5 g</td>
</tr>
<tr>
<td>Operation and storage temperature</td>
<td>-40 ... +90 °C</td>
</tr>
<tr>
<td>Climatic category (IEC 60068-1)</td>
<td>40/ 90/ 21</td>
</tr>
<tr>
<td>Marking, red positive</td>
<td>EPCOS 800 YY O</td>
</tr>
</tbody>
</table>

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode

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**Important notes** at the end of this document.
Cautions and warnings

- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- If the contacts of the surge arresters are defective, current stress can lead to the formation of sparks and loud noises.
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

Dimensional drawing

Not to scale
Dimensions in mm
Non controlled document

Packing advice

B501 = 50 pcs on foam tray

Important notes at the end of this document.
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