Surge arrester

2-electrode arrester

Series/Type: A80-A700XP2TP
Ordering code: B88069X2753B502
Date: 2019-08-20
Version: 05
**Surge arrester**

**B88069X2753B502**

**2-electrode arrester**

**A80-A700XP2TP**

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**Features**
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

**Applications**
- AC power line N-PE application
- Class II – surge protection

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**Electrical specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC spark-over voltage 1) 2)</td>
<td>&gt; 550 V</td>
<td></td>
</tr>
<tr>
<td>Front of wave spark-over voltage</td>
<td>&lt; 1500 V</td>
<td></td>
</tr>
<tr>
<td>at 1.2/50 μs, 6 kV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breakdown time</td>
<td>&lt; 100 ns</td>
<td>&lt; 20 ns</td>
</tr>
<tr>
<td>at 1.2/50 μs, 6 kV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insulation resistance at 100 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td>&gt; 1 GΩ</td>
<td></td>
</tr>
<tr>
<td>Class II according to IEC 61643-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. continuous operating voltage at 50/60 Hz</td>
<td>U&lt;sub&gt;c&lt;/sub&gt; 255 V</td>
<td></td>
</tr>
<tr>
<td>Nominal discharge current 8/20 μs</td>
<td>I&lt;sub&gt;n&lt;/sub&gt; 10 kA</td>
<td></td>
</tr>
<tr>
<td>Maximum discharge current 8/20 μs</td>
<td>I&lt;sub&gt;max&lt;/sub&gt; 20 kA</td>
<td></td>
</tr>
<tr>
<td>Follow current at 50/60 Hz</td>
<td>I&lt;sub&gt;f&lt;/sub&gt; 100 A</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>~ 3 g</td>
<td></td>
</tr>
<tr>
<td>Operation and storage temperature</td>
<td>~ 40 ... +125 °C</td>
<td></td>
</tr>
<tr>
<td>Climatic category (IEC 60068-1)</td>
<td>40/125/21</td>
<td></td>
</tr>
<tr>
<td>Marking, blue positive</td>
<td><strong>EPCOS 700 YY O</strong></td>
<td></td>
</tr>
<tr>
<td>- Nominal voltage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Year of production</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Non radioactive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifications</td>
<td>UL 1449 (E319264)</td>
<td></td>
</tr>
</tbody>
</table>

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In darkness without storage
**Surge arrester**

**2-electrode arrester**

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**A80-A700XP2TP**

**Dimensional drawing in mm**

![Dimensional drawing image]

**Ordering code and packing advice**

_B88069X2753B502_ = 500 pcs. on trays

![Packing diagram image]

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

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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