Surge arrester

2-electrode arrester

Series/Type: A80-A350XTP
Ordering code: B88069X9661B502
Date: 2019-06-26
Version: 02

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Surge arrester  
2-electrode arrester

**Features**
- Standard size
- High current rating
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

**Applications**
- Branch exchange (MDF)
- Line protection
- Subscriber protection

**Electrical specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC spark-over voltage</td>
<td>350 V ±20%</td>
</tr>
<tr>
<td>Impulse spark-over voltage</td>
<td>280 V</td>
</tr>
<tr>
<td>Service life</td>
<td>420 V</td>
</tr>
<tr>
<td>Service life</td>
<td>&gt; 700 V</td>
</tr>
<tr>
<td>Service life</td>
<td>&lt; 650 V</td>
</tr>
<tr>
<td>Service life</td>
<td>&lt; 900 V</td>
</tr>
<tr>
<td>Service life</td>
<td>&lt; 850 V</td>
</tr>
<tr>
<td>Insulation resistance at 100 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td>&gt; 10 GΩ</td>
</tr>
<tr>
<td>Capacitance at 1 MHz</td>
<td>&lt; 1.5 pF</td>
</tr>
<tr>
<td>Arc voltage at 1 A</td>
<td>~ 15 V</td>
</tr>
<tr>
<td>Glow voltage</td>
<td>~ 0.5 A</td>
</tr>
<tr>
<td>Glow to arc transition current</td>
<td>~ 60 V</td>
</tr>
<tr>
<td>Weight</td>
<td>~ 2.5 g</td>
</tr>
<tr>
<td>Operation and storage temperature</td>
<td>−40 ... +125°C</td>
</tr>
<tr>
<td>Climatic category (IEC 60068-1)</td>
<td>40/125/21</td>
</tr>
<tr>
<td>Marking, blue negative</td>
<td>EPCOS 350 YY O</td>
</tr>
<tr>
<td>Certification</td>
<td>UL 497B (E163070)</td>
</tr>
</tbody>
</table>

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
Terms in accordance with ITU-T Rec. K.12 and IEC 61643-311.
**Surge arrester**

**B88069X9661B502**

**2-electrode arrester**

**A80-A350XTP**

**Dimensional drawing in mm**

![Dimensional drawing of a surge arrester](image)

- **6.05 ±0.2**
- **Ø 8.0 ±0.3**

**Ordering codes and packing advices**

*B88069X9661B502 = 500 pcs. on trays*

![Ordering codes and packing advices](image)
Cautions and warnings

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- 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.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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