Surge arrester

2-electrode arrester

Series/Type: L1E-A800XP
Ordering code: B88069X9011B102
Date: 2019-07-25
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**Surge arrester**

**2-electrode arrester**

**B88069X9011B102**

**L1E-A800XP**

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### Features
- Suitable for direct strikes
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

### Applications
- AC power line N-PE application
- Class I and class II– surge protection

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### Electrical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC spark-over voltage</td>
<td>&gt; 600</td>
<td></td>
<td>V</td>
</tr>
<tr>
<td>Front of wave spark-over voltage (1)</td>
<td>&lt; 1500</td>
<td></td>
<td>V</td>
</tr>
<tr>
<td>Breakdown time (2)</td>
<td>&lt; 100</td>
<td>&lt; 20</td>
<td>ns</td>
</tr>
<tr>
<td>Insulation resistance at 100 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td>&gt; 1</td>
<td></td>
<td>GΩ</td>
</tr>
<tr>
<td>Class I according to IEC 61643-11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal discharge current 8/20 µs</td>
<td>U&lt;sub&gt;c&lt;/sub&gt; 305</td>
<td></td>
<td>V</td>
</tr>
<tr>
<td>Impulse current 10/350 µs</td>
<td>I&lt;sub&gt;n&lt;/sub&gt; 50</td>
<td></td>
<td>kA</td>
</tr>
<tr>
<td>Follow current at 50/60 Hz</td>
<td>I&lt;sub&gt;imp&lt;/sub&gt; 50</td>
<td></td>
<td>kA</td>
</tr>
<tr>
<td>Follow current at 50/60 Hz</td>
<td>I&lt;sub&gt;f&lt;/sub&gt; 100</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Class II according to IEC 61643-11</td>
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<td></td>
<td></td>
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<tr>
<td>Nominal discharge current 8/20 µs</td>
<td>U&lt;sub&gt;c&lt;/sub&gt; 305</td>
<td></td>
<td>V</td>
</tr>
<tr>
<td>Maximum discharge current 8/20 µs</td>
<td>I&lt;sub&gt;n&lt;/sub&gt; 50</td>
<td></td>
<td>kA</td>
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<tr>
<td>Follow current at 50/60 Hz</td>
<td>I&lt;sub&gt;max&lt;/sub&gt; 100</td>
<td></td>
<td>kA</td>
</tr>
<tr>
<td>Weight</td>
<td>~ 51</td>
<td></td>
<td>g</td>
</tr>
<tr>
<td>Operation and storage temperature</td>
<td>−40 ... +125</td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>Climatic category (IEC 60068-1)</td>
<td>40/125/21</td>
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<tr>
<td>Marking, blue positive</td>
<td>EPCOS 800 YY O</td>
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<tr>
<td>Certifications</td>
<td>UL 1449 (E319264)</td>
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</tbody>
</table>

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1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In darkness without storage
3) TOV – Temporary over voltage

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*Please read Cautions and warnings and Important notes at the end of this document.*
Dimensional drawing in mm

Ordering code and packing advice
*B88069X9011B102 = 100 pcs. on tray*
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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