Surge arrester

2-electrode arrester

Series/Type: N81-A230X
Ordering code: B88069X4930****
Version/Date: Issue 05 / 2011-01-17
Surge arrester

2-electrode arrester

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

Applications
- Line protection
- Consumer electronics

Electrical specifications

<table>
<thead>
<tr>
<th></th>
<th>DC spark-over voltage</th>
<th>Impulse spark-over voltage</th>
<th>Service life</th>
<th>Insulation resistance at 100 V&lt;sub&gt;DC&lt;/sub&gt;</th>
<th>Capacitance at 1 MHz</th>
<th>Arc voltage at 1 A</th>
<th>Glow to arc transition current</th>
<th>Glow voltage</th>
<th>Weight</th>
<th>Operation and storage temperature</th>
<th>Climatic category (IEC 60068-1)</th>
<th>Marking, red negative</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>230 ± 20 V</td>
<td>&lt; 500 V</td>
<td>10 A</td>
<td>&gt; 10 GΩ</td>
<td>&lt; 1.5 pF</td>
<td>~ 15 V</td>
<td>~ 0.5 A</td>
<td>~ 60 V</td>
<td>~ 1.5 g</td>
<td>-40 ... +90 °C</td>
<td>40/ 90/ 21</td>
<td>EPCOS 230 YY O</td>
</tr>
<tr>
<td>10 operations 50 Hz, 1 s</td>
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<tr>
<td>1 operation 50 Hz, 0.18 s (9 cycles)</td>
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<tr>
<td>10 operations 8/20 μs</td>
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<td>1 operation 8/20 μs</td>
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<tr>
<td>1 operation 10/350 μs</td>
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</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 DIN 57845/VDE0845
Dimensional drawing in mm

Ordering codes and packing advices

- **B88069X4930S102 = 100 pcs on 5 taped stripes**
- **B88069X4930T502 = 500 pcs on tape & reel**

Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- 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.
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1. Some parts of this publication contain statements about the suitability of our products for certain areas of application. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application. As a rule we are either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether a product with the properties described in the product specification is suitable for use in a particular customer application.

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3. The warnings, cautions and product-specific notes must be observed.

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