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

### Applications
- Line protection
- Balanced DSL protection

### Electrical specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC spark-over voltage</td>
<td>880 ... 1320 V</td>
</tr>
<tr>
<td>Impulse spark-over voltage</td>
<td></td>
</tr>
<tr>
<td>at 100 V/µs</td>
<td>&lt; 1500 V</td>
</tr>
<tr>
<td>at 1 kV/µs</td>
<td>&lt; 1600 V</td>
</tr>
<tr>
<td>Service life</td>
<td></td>
</tr>
<tr>
<td>10 operations</td>
<td>10 A</td>
</tr>
<tr>
<td>1 operation</td>
<td>30 A</td>
</tr>
<tr>
<td>10 operations [5x (+) &amp; 5x (-)]</td>
<td>10 kA</td>
</tr>
<tr>
<td>Weight</td>
<td>~ 1.4 g</td>
</tr>
<tr>
<td>Operation and storage temperature</td>
<td>-40 ... +90 °C</td>
</tr>
<tr>
<td>Climate category (IEC 60068-1)</td>
<td>40/90/21</td>
</tr>
<tr>
<td>UL recognition</td>
<td>E319264</td>
</tr>
<tr>
<td>Marking, blue negative</td>
<td></td>
</tr>
</tbody>
</table>

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Test according to ITU-T Rec. K.12
4) Tip or ring electrode to center electrode
5) Tip to ring electrode
6) Total current through center electrode, half value through tip respectively ring electrode.
Surge arrester B88069X7931T702
3-electrode arrester T30-H11XSMD

Dimensional drawing in mm

Ordering code and packing advice
B88069X7931T702 = 700 pcs on SMD tape

SMD-tape according to IEC 60286-3

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.
The following applies to all products named in this publication:

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.

2. We also point out that in individual cases, a malfunction of electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified. In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of an electronic component.

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

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