Surge arrester

2-electrode arrester

Series/Type: A70-H08X
Ordering code: B88069X3810C103
Date: 2019-08-19
Version: 05
Surge arrester		B88069X3810C103
2-electrode arrester		A70-H08X

Features
- Standard size
- Fast response time
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

Applications
- Consumer electronics

Electrical specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>DC spark-over voltage</th>
<th>Impulse spark-over voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tolerance</td>
<td>800 V ± 15%</td>
<td>&lt; 1100 V</td>
</tr>
<tr>
<td>Min.</td>
<td>680 V</td>
<td>&lt; 1000 V</td>
</tr>
<tr>
<td>Max.</td>
<td>920 V</td>
<td>&lt; 1200 V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>Service life</th>
<th>Insulation resistance at 100 V&lt;sub&gt;DC&lt;/sub&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 operations 50 Hz, 1 s</td>
<td>10 A</td>
<td>&gt; 10 GΩ</td>
</tr>
<tr>
<td>1 operation 50 Hz, 0.18 s (9 cycles)</td>
<td>65 A</td>
<td></td>
</tr>
<tr>
<td>10 operations 8/20 μs</td>
<td>10 kA</td>
<td></td>
</tr>
<tr>
<td>1 operation 8/20 μs</td>
<td>15 kA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</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, green positive</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt; 1 pF</td>
<td>~ 20 V</td>
<td>&lt; 1 A</td>
<td>~ 180 V</td>
<td>~ 1.5 g</td>
<td>−40 °C ... +125 °C</td>
<td>40/125/21</td>
<td>EPCOS 800 YY O</td>
</tr>
</tbody>
</table>

Certifications
- UL 1449 (E319264)

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

B88069X3810C103

2-electrode arrester

A70-H08X

Dimensional drawing in mm

Ordering code and packing advice

*B88069X3810C103* = 1000 pcs. in container

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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