Surge arrester

2-electrode arrester

Series/Type: A71-H18X
Ordering code: B88069X6901****
Date: 2019-08-19
Version: 03

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Surge arrester

2-electrode arrester

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

Applications
- Power supply
- Consumer electronics
- Air-con

Electrical specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Min.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC spark-over voltage</td>
<td>1440 V</td>
<td>2160 V</td>
</tr>
<tr>
<td>Impulse spark-over voltage</td>
<td>&lt; 2400 V</td>
<td>&lt; 2400 V</td>
</tr>
<tr>
<td>Service life</td>
<td>10 A</td>
<td>65 A</td>
</tr>
<tr>
<td>Capacitance at 1 MHz</td>
<td>&lt; 1 pF</td>
<td></td>
</tr>
<tr>
<td>Arc voltage at 1 A</td>
<td>~ 20 V</td>
<td></td>
</tr>
<tr>
<td>Glow voltage</td>
<td>~ 160 V</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>~ 1 g</td>
<td></td>
</tr>
<tr>
<td>Operation and storage temperature</td>
<td>−40 ... +125 °C</td>
<td></td>
</tr>
<tr>
<td>Climatic category (IEC 60068-1)</td>
<td>40/125/21</td>
<td></td>
</tr>
</tbody>
</table>

Marking, green positive

EPCOS 1800 YY 0
1800 - Nominal voltage
YY - Year of production
O - Non radioactive

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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.
Dimensional drawing in mm

Ordering codes and packing advices

**B88069X6901S102** = 100 pcs. on 5 taped stripes

**B88069X6901T502** = 500 pcs. on trays
Soldering parameter

Wave soldering

Wave profile features

<table>
<thead>
<tr>
<th>Wave profile features</th>
<th>Pb-free assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solder</td>
<td>Sn 95.5 / Ag 3.8 / Cu 0.7</td>
</tr>
<tr>
<td>Solder bath temperature</td>
<td>263 (±3) °C</td>
</tr>
<tr>
<td>Dwell time</td>
<td>&lt; 3 s</td>
</tr>
</tbody>
</table>

Soldering profile applied to a single soldering process.

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.
- 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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