Surge arrester

2-electrode arrester

Series/Type: A80-A150X
Ordering code: B88069X2301C103
Date: 2019-06-24
Version: 02
Features
- Standard size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications
- Modem
- XDSL-splitter
- Tuner
- Data lines
- Antenna

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, blue negative</th>
<th>Certification</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>150 ±20 V, ±20%</td>
<td>&lt; 500 V</td>
<td>20 A</td>
<td>&gt; 10 GΩ</td>
<td>&lt; 1.5 pF</td>
<td>~ 10 V</td>
<td>&lt; 0.5 A</td>
<td>~ 60 V</td>
<td>~ 2.5 g</td>
<td>−40 ... +125 °C</td>
<td>40/125/21</td>
<td>EPCOS 150 YY O</td>
<td>UL 497B (E163070)</td>
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<tr>
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<td>120 V</td>
<td>&lt; 450 V</td>
<td>100 A</td>
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<td>180 V</td>
<td>&lt; 600 V</td>
<td>20 kA</td>
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<td>100 V</td>
<td>&lt; 550 V</td>
<td>25 kA</td>
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<td>at 100 V/µs</td>
<td>for 99% of measured</td>
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<td>1 operation</td>
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<td>at 1 kV/µs</td>
<td>values</td>
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<td>50 Hz, 1 s</td>
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<td>of distribution</td>
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<td>50 Hz, 0.18 s (9 cycles)</td>
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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.
Surge arrester

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2-electrode arrester

A80-A150X

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.

Ordering code and packing advice

B88069X2301C103 = 1000 pcs. in container

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