Surge arrester

2-electrode arrester

Series/Type: V12-H14X
Ordering code: B88069X4220C101
Date: 2016-05-25
Version: 03

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Surge arrester B88069X4220C101
2-electrode arrester V12-H14X

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

Applications
- Industry

Electrical specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>DC spark-over voltage 1)2)</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>Weight</th>
<th>Operation and storage temperature</th>
<th>Climatic category (IEC 60068-1)</th>
<th>Marking, black positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tolerance</td>
<td>±20% V</td>
<td>&lt; 1900 V</td>
<td>10 operations 50 Hz, 1 s</td>
<td>&gt; 1 GΩ</td>
<td>&lt; 1.5 pF</td>
<td>~ 35 V</td>
<td>~ 200 µs</td>
<td>~ 11 g</td>
<td>−40 ... +125 °C</td>
<td>40/125/21</td>
<td>EPCOS 1400 YY O</td>
</tr>
<tr>
<td>Min.</td>
<td>1120 V</td>
<td>&lt; 1800 V</td>
<td>1 operation 8/20 µs</td>
<td></td>
<td></td>
<td>&lt; 1 A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max.</td>
<td>1680 V</td>
<td>&lt; 2200 V</td>
<td>10 operations 8/20 µs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</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; IEC 61663-2 and IEC 61643-311.
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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