Surge arrester

2-electrode arrester

Series/Type: A80-A1100XP2
Ordering code: B88069X3593C103
Date: 2019-08-20
Version: 04
Features
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications
- AC power line N-PE application
- Class II – surge protection

Electrical specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC spark-over voltage</td>
<td>&gt; 900</td>
<td>V</td>
</tr>
<tr>
<td>Front of wave spark-over voltage at 1.2/50 µs, 6 kV</td>
<td>&lt; 2100</td>
<td>V</td>
</tr>
<tr>
<td>Breakdown time - typical values</td>
<td>&lt; 100</td>
<td>ns</td>
</tr>
<tr>
<td>Insulation resistance at 100 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td>&gt; 1</td>
<td>GΩ</td>
</tr>
<tr>
<td>Class II</td>
<td>255</td>
<td>V</td>
</tr>
<tr>
<td>Max. continuous operating voltage at 50/60 Hz</td>
<td>10</td>
<td>kA</td>
</tr>
<tr>
<td>Nominal discharge current 8/20 µs</td>
<td>20</td>
<td>kA</td>
</tr>
<tr>
<td>Maximum discharge current 8/20 µs</td>
<td>100</td>
<td>A</td>
</tr>
<tr>
<td>Weight</td>
<td>~ 3</td>
<td>g</td>
</tr>
<tr>
<td>Operation and storage temperature</td>
<td>-40 ... +125</td>
<td>°C</td>
</tr>
<tr>
<td>Climatic category (IEC 60068-1)</td>
<td>40/125/21</td>
<td></td>
</tr>
</tbody>
</table>

Marking, blue positive

EPCOS 1100 YY O
1100 - Nominal voltage
YY - Year of production
O - Non radioactive

Certifications

UL 1449 (E319264)

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Test sequence in accordance with IEC 61643-11.
   Follow current has to be avoided by an appropriate external circuit (e.g. varistor in series).
Dimensional drawing in mm

Ordering code and packing advice
*B88069X3593C103* = 1000 pcs. in container
Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed. The arrester might otherwise heat up and ignite adjacent components.
- 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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Release 2018-10