Surge arrester

3-electrode arrester

Series/Type: T83-A230XF4
Ordering code: B88069X8870B502
Date: 2016-05-23
Version: 10

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Surge arrester B88069X8870B502
3-electrode arrester T83-A230XF4

Features
- Standard size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Reliable failsafe device
- RoHS-compatible

Applications
- Base stations
- Line protection
- Station protection

Features

Applications

Electrical specifications

<table>
<thead>
<tr>
<th>DC spark-over voltage 1) 2) 3)</th>
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</table>
1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Tip or ring electrode to center electrode
4) Total current through center electrode, half value through tip respectively ring electrode.
5) Test according to ITU-T Rec. K.12

Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

The arrester failsafe mechanism contains a solder pellet with a melting temperature between 193 and 203 °C.

**Failsafe characteristic diagram**

For arrester only, characteristic can differ in assembled module.
Dimensional drawing in mm

Ordering code and packing advice

B88069X8870B502 = 500 pcs. on trays
Soldering parameter

Wave soldering

- Soldering profile applied to a single soldering process.

Cautions and warnings

- Depending on the sensor material the short-circuit spring does not trigger until 180 °C is reached. Thermal radiation to adjacent components must be taken into consideration in the circuit design. Depending on the mounting position, the surge arrester may have to be secured by additional mechanical means.
- Do not continue to use surge arresters whose short-circuit mechanisms have been activated.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- 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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**Release 2018-10**