

Surge arrester

3-electrode arrester

 Series/Type:
 T63-C650X

 Ordering code:
 B88069X6990B102

 Version/Date:
 Issue 03 / 2011-02-07

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Surge arrester

3-electrode arrester

B88069X6990B102 T63-C650X

Features

- Very fast response time
- Maximum current rating
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

Electrical specifications

Applications

- Branch Exchange (MDF)
- Line protection
- Station protection

| DC spark-over voltage ^{1) 2) 4)} | | | 550 800 | V |
|---|---|---|--|---|
| Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution | | | < 1100 < 1000 | VVV |
| at 1 kV/µs | //µs - for 99 % of measured values- typical values of distribution | | < 1350 < 1100 | V V |
| Service life 10 operation 1 operation 10 operation 1 operation 1 operation Insulation resistance Capacitance at 1 MH Transverse delay tim Arc voltage at 1 A | s [5× (+) & 5× (-)] at 100 $V_{DC}^{4)}$ z ⁴⁾ | 50 Hz, 1 s ⁵⁾ 50 Hz, 0.18 s (9 cycles) ⁵⁾ 8/20 μs ⁵⁾ 8/20 μs ⁵⁾ 10/350 μs ⁵⁾ | 20 130 20 40 5 > 10 < 1.5 < 0.2 ~ 35 | A A kA kA kA GΩ pF μs V |
| Glow to arc transition current Glow voltage | | | ~ 35 ~ 1 ~ 200 | A V |
| Weight | | | ~ 3.5 | g |
| Operation and storage temperature | | | -40 +90 | °C |
| Climatic category (IEC 60068-1) | | | 40/ 90/ 21 | |
| Marking, blue negative | | | EPCOS 650 YY O 650 - Nominal voltage YY - Year of production O - Non radioactive | |

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ Test according to ITU-T Rec. K.12

⁴⁾ Tip or ring electrode to center electrode

⁵⁾ Total current through center electrode, half value through tip respectively ring electrode. Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

Tested in accordance to RUS PE-80 and IEEE C62.31

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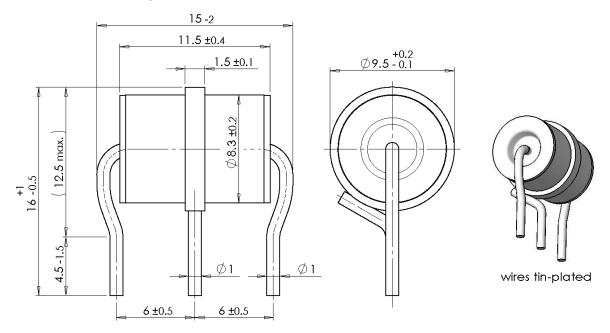


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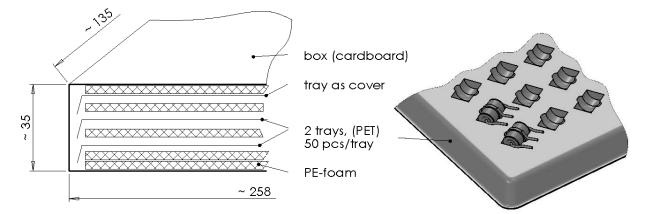
B88069X6990B102 T63-C650X

Dimensional drawing in mm



Ordering code and packing advice

B88069X6990**B102** = 100 pcs on 2 trays



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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