

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	V V
at 1 kV/µs	kV/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 1 operation 1 operation	S [5× (+) & 5× (−)]	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	A A kA kA kA GΩ
Capacitance at 1 MHz ⁴⁾			< 1.5	pF
Transverse delay time ³⁾			< 0.2	μs
Arc voltage at 1 A Glow to arc transition current Glow voltage			~ 35 ~ 1 ~ 200	V A V
Weight			~ 3.5	g
Operation and storage temperature			-40 +90	°C
Climatic category (IEC 60068-1) Marking, blue negative			40/ 90/ 21 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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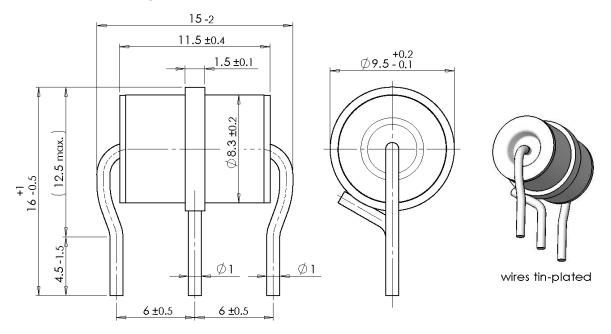


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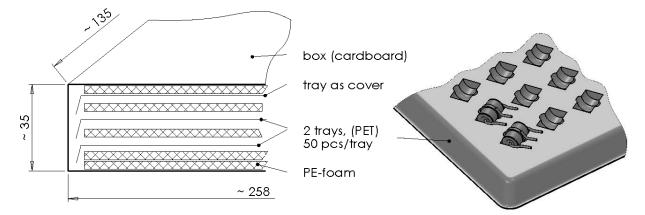
B88069X6990B102 T63-C650X

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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