



Surge arrester

3-electrode arrester

Series/Type: T83-A350X
Ordering code: B88069X8690B502
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Features

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

Applications

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

Electrical specifications

DC spark-over voltage ^{1) 2) 3)}	350 ± 20	V %
Impulse spark-over voltage ³⁾		
at 100 V/μs - for 99 % of measured values	< 700	V
- typical values of distribution	< 600	V
at 1 kV/μs - for 99 % of measured values	< 900	V
- typical values of distribution	< 800	V
Service life ⁴⁾		
10 operations 50 Hz, 1 s	10	A
1 operations 50 Hz, 0.18 s (9 cycles)	50	A
10 operations 8/20 μs	10	kA
1 operation 8/20 μs	15	kA
1 operation 10/350 μs	5	kA
300 operations 10/1000 μs	200	A
Insulation resistance at 100 V _{DC} ³⁾	> 10	GΩ
Capacitance at 1 MHz ³⁾	< 1.5	pF
Transverse delay time ⁵⁾	< 0.2	μs
Arc voltage at 1 A	~ 30	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 200	V
Weight	~ 2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red negative	EPCOS 350 YY O 350 - Nominal voltage YY - Year of production O - Non radioactive	

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

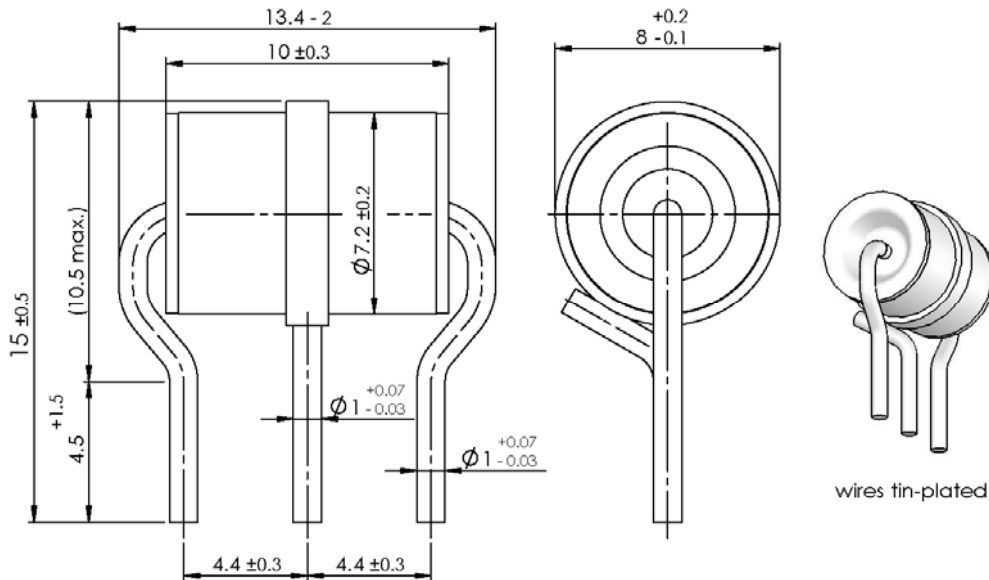
²⁾ In ionized mode

³⁾ Tip or ring electrode to center electrode

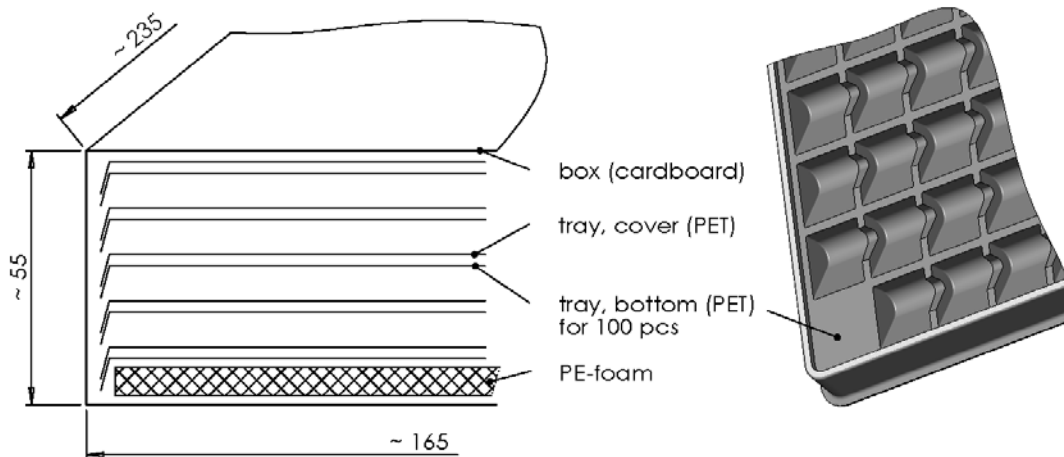
⁴⁾ Total current through center electrode, half value through tip respectively ring electrode.

⁵⁾ Test according to ITU-T Rec. K.12

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

Dimensional drawing in mm

Ordering code and packing advice

B88069X8690B502 = 500 pcs on 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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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The following applies to all products named in this publication:

1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule we are either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether a product with the properties described in the product specification is suitable for use in a particular customer application.
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