

Surge arrester

3-electrode arrester

Series/Type: Ordering code: T83-A350X

B88069X8690B502

Version/Date: Issue 07 / 2011-01-28



B88069X8690B502 Surge arrester

T83-A350X 3-electrode arrester

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 - typical values of distribution	< 700 < 600	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 900 < 800	V
Service life 4)		
10 operations 50 Hz, 1 s 1 operations 50 Hz, 0.18 s (9 cycles) 10 operations 8/20 μ s 1 operation 8/20 μ s 1 operation 10/350 μ s 300 operations 10/1000 μ s Insulation resistance at 100 V_{DC}^{3} Capacitance at 1 MHz 3 Transverse delay time 5 Arc voltage at 1 A Glow to arc transition current Glow voltage	10 50 10 15 5 200 > 10 < 1.5 < 0.2 ~ 30 ~ 1 ~ 200	A A kA kA A GΩ pF µs V A
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

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

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³⁾ Tip or ring electrode to center electrode

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

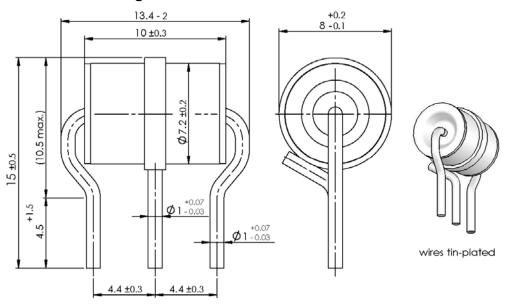
⁵⁾ Test according to ITU-T Rec. K.12



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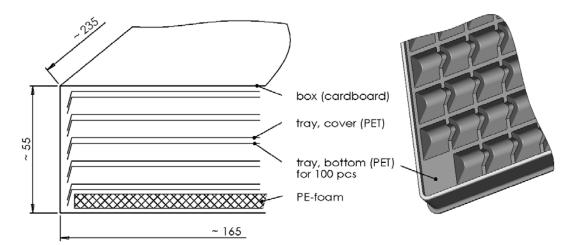
3-electrode arrester T83-A350X

Dimensional drawing in mm



Ordering code and packing advice

B88069X8690**B502** = 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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