

Surge arrester

3-electrode arrester

T23-A350X

Series/Type: Ordering code: B88069X7200B502

Version/Date: Issue 06 / 2007-04-23

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Features	Applications
 Standard size 	Line protection
 Fast response time 	Station protection
 Very high current rating 	Base stations
 Stable performance over life 	
 Very low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage 1) 2) 4)	350 ± 20	V %
Impulse spark-over voltage ⁴⁾ at 100 V/µs - for 99 % of measured values - typical values of distribution	< 650 < 550	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 700 < 600	V
Service life		
10 operations 50 Hz; $1 s^{5}$	20	Α
1 operation 50 Hz; 9 cycles ⁵⁾	50	Α
10 operations 8/20 µs 5)	20	kA
1 operation $8/20 \mu s^{5)}$	25	kA
5 operations $10/250 \mu s^{5)}$	5	kA
2 operations $10/350 \mu s^{5)}$	5	kA
300 operations 5/300 μs ⁵⁾	200	Α
Insulation resistance at 100 V _{dc} ⁴⁾	> 10	$G\Omega$
apacitance 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	~ 2.2	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS 350 YY O 350 - Nominal voltage YY - Year of production O - Non radioactive	

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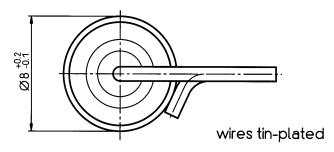
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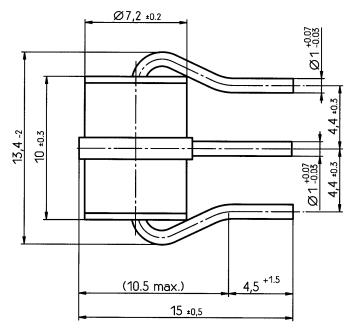
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- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Test according to ITU-T Rec. K.12
- ⁴⁾ Tip or ring electrode to center electrode
- Total current through center electrode, half value through tip respectively ring electrode.

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

Dimensional drawing





Not to scale

Dimensions in mm

Non controlled document

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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