Surge arrester

3-electrode arrester

Series/Type:	**T21-A350X**
Ordering code:	**B88069X5120B252**
Version/Date:	Issue 07 / 2007-04-23

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Surge arrester — B88069X5120B252

3-electrode arrester — T21-A350X

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

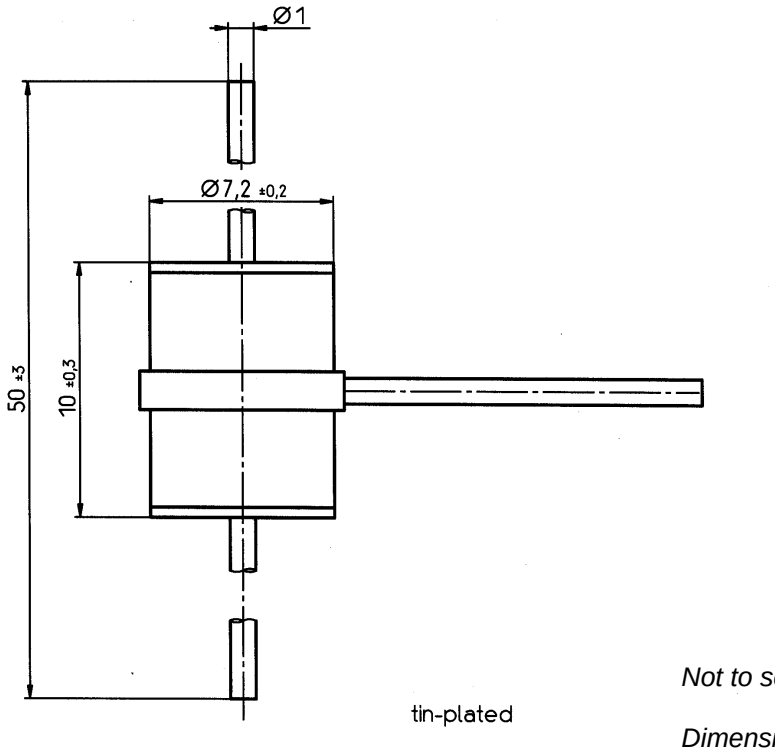
Electrical specifications

DC spark-over voltage [1) 2) 4)]	350 ± 20	V %
Impulse spark-over voltage [4)]		
at 100 V/µs - for 99 % of measured values	< 650	V
at 100 V/µs - typical values of distribution	< 550	V
at 1 kV/µs - for 99 % of measured values	< 700	V
at 1 kV/µs - typical values of distribution	< 600	V
Service life		
10 operations 50 Hz; 1 s [5)]	10	A
1 operation 50 Hz; 9 cycles [5)]	50	A
10 operations 8/20 µs [5)]	20	kA
1 operation 8/20 µs [5)]	25	kA
1 operation 10/350 µs [5)]	5	kA
Insulation resistance at 100 V_{dc} [4)]	> 10	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	~ 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	

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

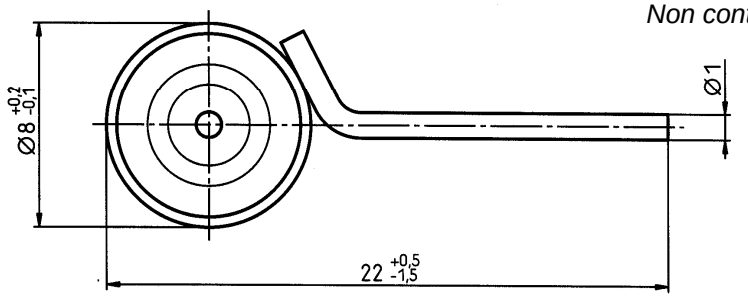
Dimensional drawing



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.

Important notes

The following applies to all products named in this publication:

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