



Surge arrester

2-electrode arrester

Series/Type: G31-A75X
Ordering code: T. B. D.
Version/Date: Issue 01 / 2008-09-17

Preliminary data

Features	Applications
<ul style="list-style-type: none"> ▪ Extremely small size ▪ Very fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ ESD protection ▪ Applications with limited space

Electrical specifications

DC spark-over voltage ^{1) 2)}	75 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 350	V
- typical values of distribution	< 300	V
at 1 kV/μs - for 99 % of measured values	< 750	V
- typical values of distribution	< 650	V
Service life ³⁾		
10 operations [5x (+) & 5x (-)] 8/20 μs	1	kA
1 operation 8/20 μs	2	kA
Insulation resistance at 50 V _{dc}	> 1	GΩ
Capacitance at 1 MHz	< 0,5	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	< 1.0	A
Glow voltage	~ 60	V
Weight	~ 0.2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, without		

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

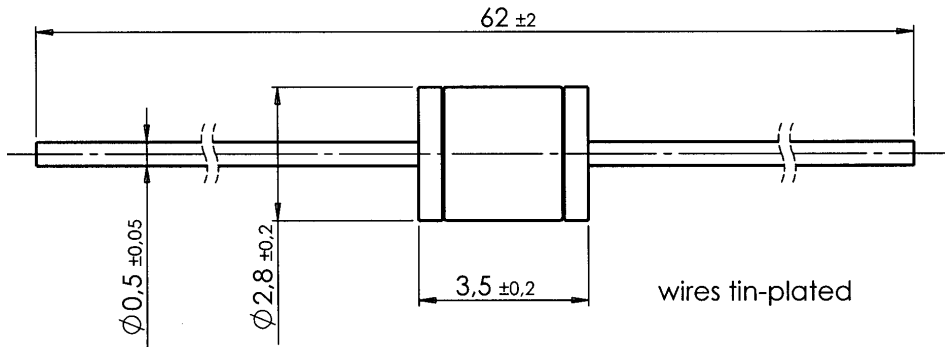
²⁾ In ionized mode

³⁾ Tests according to ITU-T Rec. K. 12 and UL 497B

Terms and current waveforms in accordance with:
ITU-T Rec. K. 12; IEC 61643-21 and DIN 57845 / VDE0845

Preliminary data

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 the event of overload, the head 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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