



Surge arrester

2-electrode arrester

Series/Type: A71-H18X
Ordering code: B88069X6901xxxx ^{a)}
Version/Date: Issue 01 / 2007-07-31

Surge arrester
B88069X6901xxxx^{a)}
2-electrode arrester
A71-H18X
Preliminary data

Features	Applications
<ul style="list-style-type: none"> ▪ Standard size ▪ Fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Consumer electronics

Electrical specifications

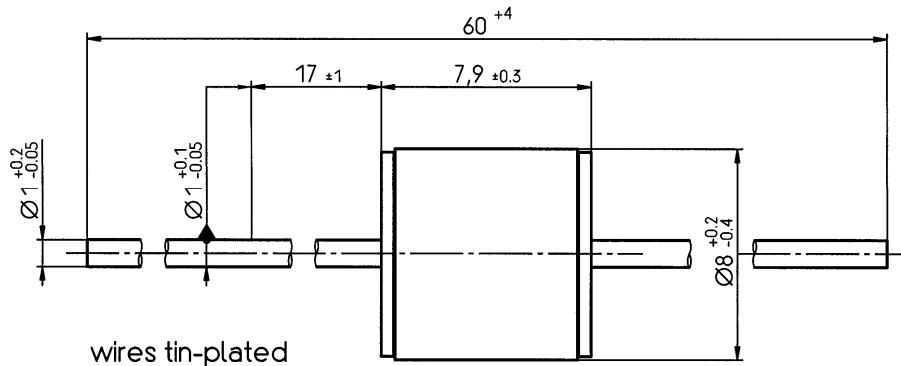
DC spark-over voltage ^{1) 2)}	1800 ± 20	V %
Impulse spark-over voltage at 100 V/μs - for 99% of measured values - typical values of distribution	< 2600 < 2400	V V
at 1 kV/μs - for 99% of measured values - typical values of distribution	< 2700 < 2400	V V
Service life 10 operations 50 Hz, 1 s 1 operation 50 Hz, 0.18 s (9 cycles) 10 operations 8/20 μs 1 operation 8/20 μs	10 65 5 5	A A kA kA
Insulation resistance at 100 V _{dc}	> 10	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 20 ~ 1 ~ 180	V A V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, green positive	EPCOS 1800 YY O 1800 - Nominal voltage YY - Year of production O - Non radioactive	

^{a)} xxxx = S102 (100 pcs on 5 taped stripes)
= T502 (500 pcs on tape and reel)

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

²⁾ In ionized mode

Terms in accordance with ITU-T Rec. K12 and DIN 57845/VDE0845

Preliminary data
Dimensional drawing

Not to scale
Dimensions in mm
Non controlled document
Cautions and warnings

- 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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