



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	< 2600	V
- typical values of distribution	< 2400	V
at 1 kV/μs - for 99% of measured values	< 2700	V
- typical values of distribution	< 2400	V
Service life		
10 operations 50 Hz, 1 s	10	A
1 operation 50 Hz, 0.18 s (9 cycles)	65	A
10 operations 8/20 μs	5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V _{dc}	> 10	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 20	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 180	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)

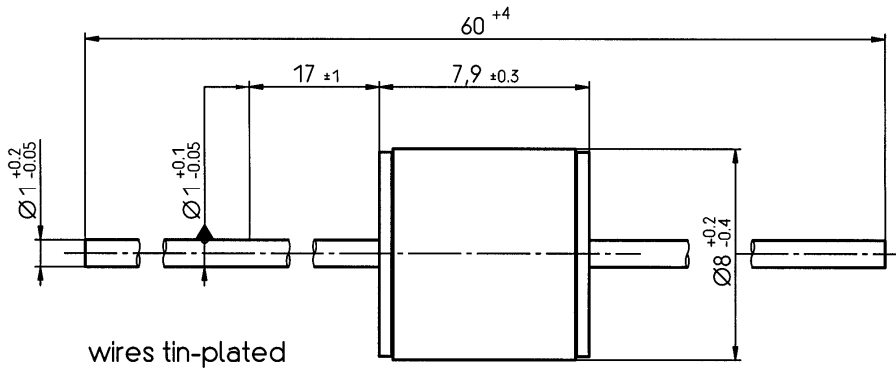
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

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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