



Surge arrester

2-electrode arrester

Series/Type: A81-A75X
Ordering code: B88069X3881xxxx ^{a)}
Version/Date: Issue 02 / 2007-11-14

Features	Applications
<ul style="list-style-type: none"> ▪ Standard size ▪ Very high current rating ▪ Fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Tower mounted amplifier ▪ Consumer electronic ▪ Alarm systems

Electrical specifications

DC spark-over voltage ^{1) 2)}	75 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 450	V
- typical values of distribution	< 370	V
at 1 kV/μs - for 99 % of measured values	< 650	V
- typical values of distribution	< 600	V
Service life		
10 operations 50 Hz, 1 s	20	A
10 operations [5x (+) & 5x (-)] 8/20 μs	20	kA
1 operation 8/20 μs	25	kA
1 operation 10/350 μs	2.5	kA
Insulation resistance at 50 V _{dc}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	~ 0.6	A
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS75 YY O 75 - Nominal voltage YY - Year of production O - Non radioactive	

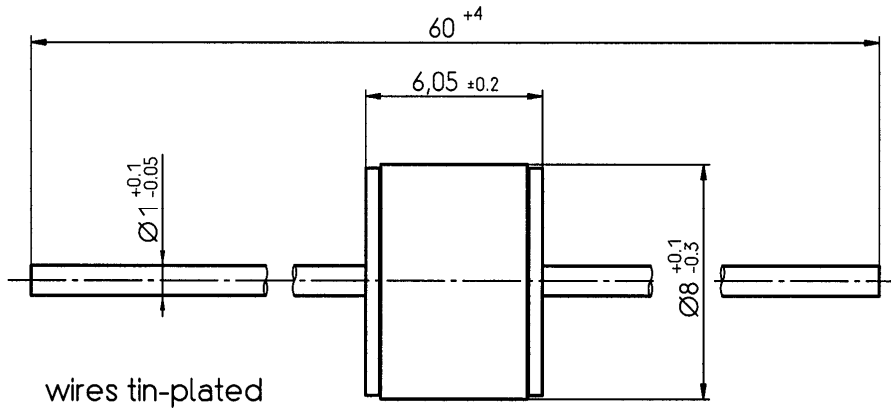
^{a)} xxxx = S102 (100 pcs on 5 taped stripes)
 = T502 (500 pcs on tape and reel)

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

²⁾ In ionized mode

Terms in accordance with ITU-T Rec. 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).
- If the contacts of the surge arrester are defective, current stress can lead to the formation of sparks and loud noises.
- Surge arresters may be used only within their specified values. In case of overload, the head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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The following applies to all products named in this publication:

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