Surge arrester

2-electrode arrester

Series/Type: **A81-A75X**
Ordering code: **B88069X3881xxxx** [a)]
Version/Date: Issue 02 / 2007-11-14

Features	Applications
▪ Standard size ▪ Very high current rating ▪ Fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS-compatible	▪ Tower mounted amplifier ▪ Consumer electronic ▪ Alarm systems

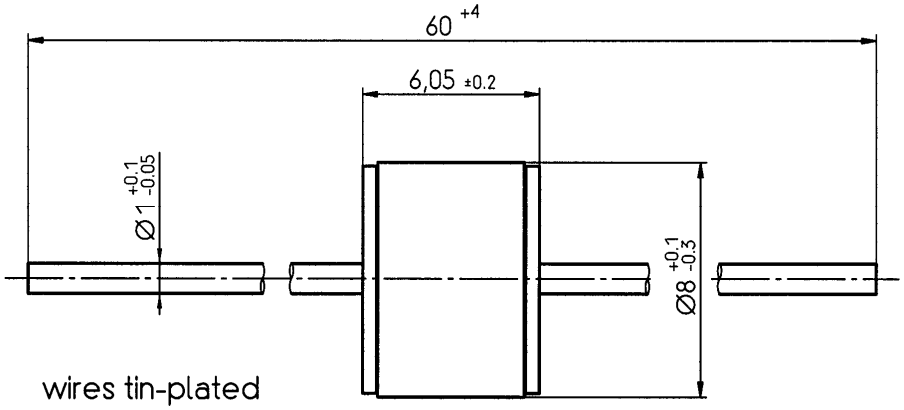
Electrical specifications

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 Glow to arc transition current Glow voltage		~ 15 ~ 0.6 ~ 60	V A V
Weight		~ 1.5	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		EPCOS 75 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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