Surge arrester

2-electrode arrester

Series/Type: **N81-A90X**
Ordering code: **B88069X4880S102**
Version/Date: Issue 04 / 2006-08-31

Surge arrester **B88069X4880S102**

2-electrode arrester **N81-A90X**

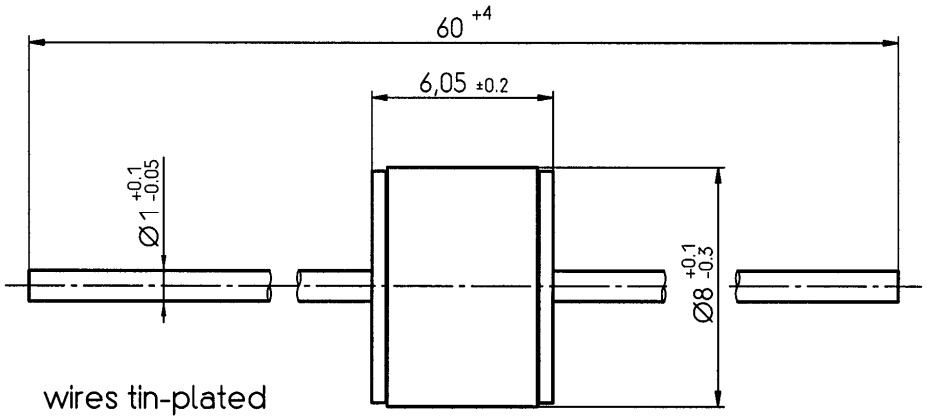
Features	Applications
▪ Standard size ▪ Very high current rating ▪ Very fast response time ▪ Stable performance over life ▪ Very low capacitance ▪ High insulation resistance ▪ RoHS-compatible	▪ Modem ▪ XDSL-splitter ▪ Data lines ▪ Tuner ▪ Antenna

Electrical specifications

DC spark-over voltage [1) 2)]		90 ± 20	V %
Impulse spark-over voltage			
at 100 V/µs	- for99 % of measured values	< 500	V
	- typical values of distribution	< 450	V
at 1 kV/µs	- for99 % of measured values	< 600	V
	- typical values of distribution	< 550	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	10	kA
1 operation	8/20 µs	12	kA
1 operation	10/350 µs	1	kA
300 operations	10/1000 µs	100	A
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 ~ 0.5 ~ 60	V A V
Weight		~ 1.5	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, red negative		**EPCOS 90 YY O** 90 - Nominal voltage YY - Year of production O - Non radioactive	

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).
- 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.

Important notes

The following applies to all products named in this publication:

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