Surge arrester

2-electrode arrester

Series/Type:	**N80-C90X**
Ordering code:	**B88069X4890C103**
Version/Date:	Issue 03 / 2013-08-29

EPCOS AG is a TDK Group Company.

Surge arrester — B88069X4890C103

2-electrode arrester — N80-C90X

Features

- Standard size
- Fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Modem
- XDSL-splitter
- Tuner
- Data lines
- Antenna

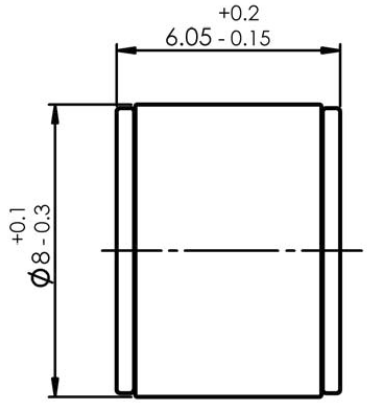
Electrical specifications

DC spark-over voltage [1) 2)]		90 ± 20	V %
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 500	V
	- typical values of distribution	< 450	V
at 1 kV/µs	- for 99% 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		~ 10 ~ 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 and current waveforms in accordance with: ITU-T Rec. K. 12 ; IEC 61663-2 and IEC 61643-311.

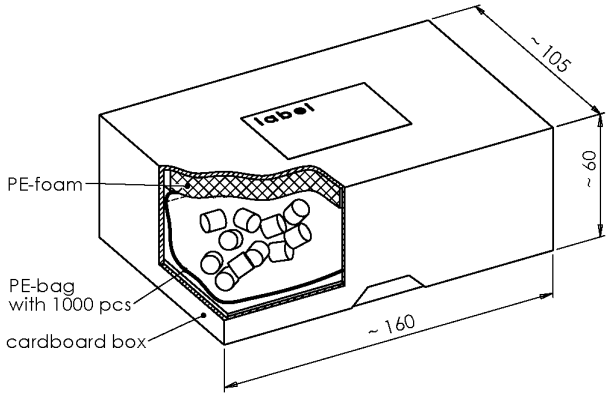
Dimensional drawing in mm



nickel plated

Ordering codes and packing advices

*B88069X4890**C103** = 1000 pcs. in container*



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.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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