

# Surge arrester

2-electrode arrester

Series/Type: N80-C90X Ordering code: B88069X4

Ordering code: B88069X4890C103

Version/Date: Issue 03 / 2013-08-29



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 v	oltage			
at 100 V/μs		% of measured values I values of distribution	< 500 < 450	V
at 1 kV/μs		% of measured values I values of distribution	< 600 < 550	V
Service life				
10 operation	ns	50 Hz, 1 s	10	Α
1 operation	n	50 Hz, 0.18 s (9 cycles)	65	Α
10 operation	ns	8/20 µs	10	kA
1 operation	n	8/20 µs	12	kA
1 operation	n	10/350 µs	1	kA
300 operation	ns	10/1000 μs	100	Α
Insulation resistance at 50 V <sub>DC</sub>			> 10	$G\Omega$
Capacitance at 1 MHz			< 1.5	pF
Arc voltage at 1 A			~ 10	V
Glow to arc transition current			~ 0.5	Α
Glow voltage			~ 60	V
Weight			~ 1.5	g
Operation and storage temperature			-40 <b>+</b> 90	°C
Climatic category (IEC 60068-1)			40/ 90/ 21	<u> </u>
Marking, red negative			EPCOS 90 YY O 90 - Nominal voltage YY - Year of production O - Non radioactive	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61663-2 and IEC 61643-311.

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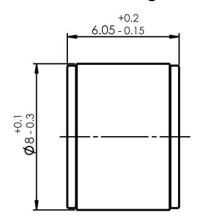
<sup>2)</sup> In ionized mode



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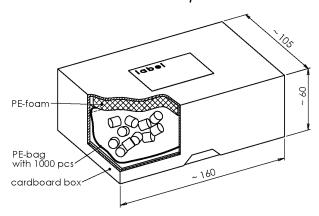
#### Dimensional drawing in mm





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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