

## Surge arrester

2-electrode arrester

 Series/Type:
 N80-A600X

 Ordering code:
 B88069X4990C103

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

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### Surge arrester

### 2-electrode arrester

Features

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

### **Electrical specifications**

DC spark-over voltage <sup>1) 2)</sup>		600 ± 20	V %
Impulse spark-over voltage	e		
	or 99% of measured values pical values of distribution	< 1100 < 950	V V
· · · · · ·	or 99% of measured values pical values of distribution	< 1400 < 1100	V V
Service life			
10 operations	50 Hz, 1 s	10	А
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
Insulation resistance at 50 V <sub>DC</sub>		> 10	GΩ
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 15 ~ 0.8 ~ 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 600 YY O600- Nominal voltageYY- Year of productionO- Non radioactive	

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

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

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

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### Issue 03 / 2013-08-29

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### Applications

Consumer electronic

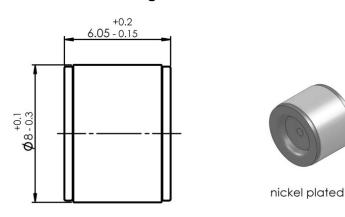
# **⇔TDK**

### Surge arrester

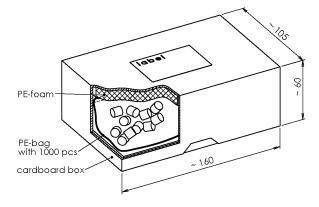
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### Dimensional drawing in mm



**Ordering codes and packing advices** *B88069X4990***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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