



## Surge arrester

2-electrode arrester

**Series/Type:** A80-A900XPD  
**Ordering code:** B88069X2523C103  
**Version/Date:** Issue 01 / 2013-05-22

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**Features**

- Small size
- Very fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

**Applications**

- AC power line devices – class II

**Electrical specifications**

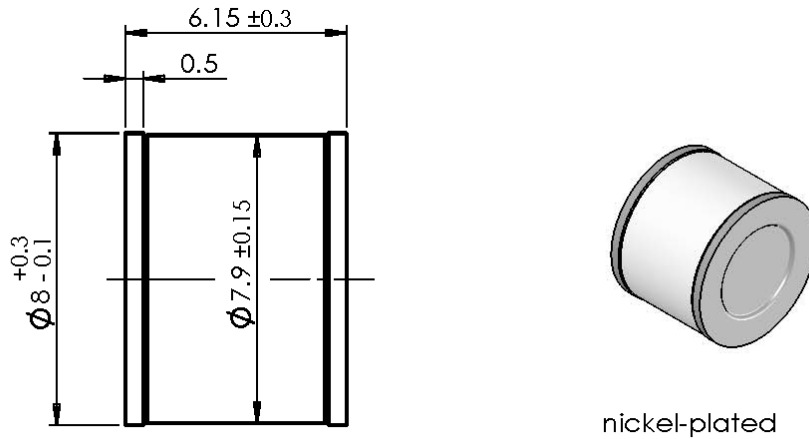
DC spark-over voltage <sup>1) 2)</sup>		> 700	V
Front of wave spark-over voltage - at 1.2/50 µs; 6 kV		< 1700	V
Breakdown time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V <sub>DC</sub>		> 1	GΩ
Class II <sup>3)</sup>			
Max. continuous operating voltage at 50/60 Hz	U <sub>C</sub>	255	V
Nominal discharge current 8/20 µs	I <sub>n</sub>	10	kA
Maximum discharge current 8/20 µs	I <sub>max</sub>	20	kA
Weight		~ 2	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue positive		<b>EPCOS 900 YY O</b> 900 - Nominal voltage YY - Year of production O - Non radioactive	

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

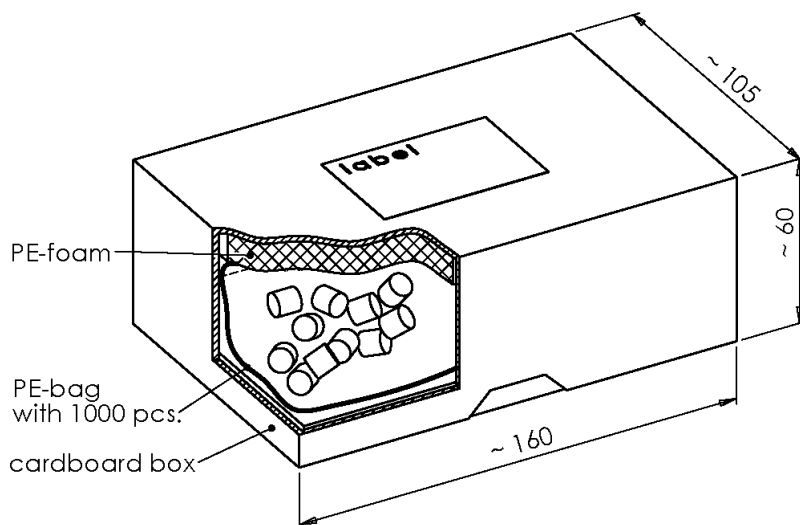
<sup>2)</sup> In darkness w/o storage

<sup>3)</sup> Test sequence in accordance with EN 61643-11.

Application only in devices. Follow current has to be limited by an appropriate varistor in series.

**Dimensional drawing in mm**

**Ordering code and packing advice**

**B88069X2523C103** = 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.
- Damaged surge arresters must not be re-used.

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