



## Surge arrester

2-electrode arrester

**Series/Type:** A81-A700XP2  
**Ordering code:** B88069X1623\*\*\*\*  
Version/Date: Issue 02 / 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 lines N-PE applications
- Class II requirements

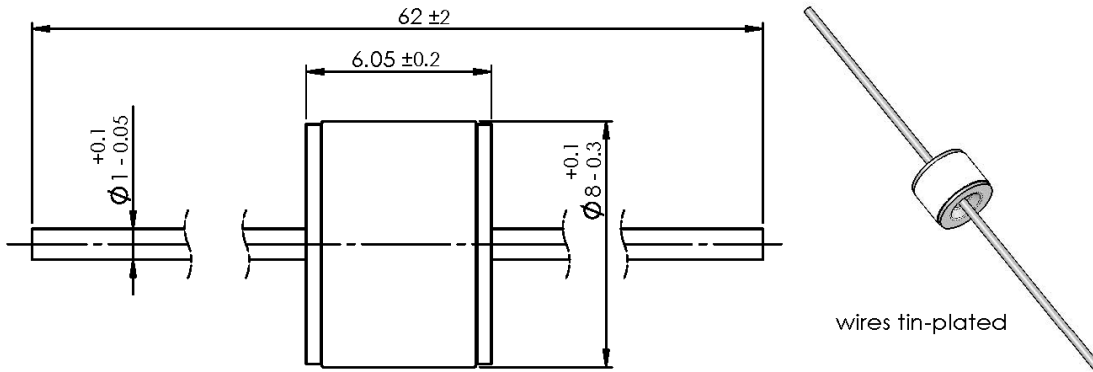
**Electrical specifications**

DC spark-over voltage <sup>1) 2)</sup>	> 550	V
Front of wave spark-over voltage - at 1.2/50 $\mu$ s, 6 kV	< 1500	V
Breakdown time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V <sub>DC</sub>	> 1	G $\Omega$
Class II according to EN 61643-11		
Max. continuous operating voltage at 50/60 Hz	U <sub>c</sub>	255 V
Nominal discharge current 8/20 $\mu$ s	I <sub>n</sub>	10 kA
Maximum discharge current 8/20 $\mu$ s	I <sub>max</sub>	20 kA
Follow current at 50/60 Hz	I <sub>f</sub>	100 A
Weight	~ 3	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue positive	<b>EPCOS 700 YY O</b> 700 - 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

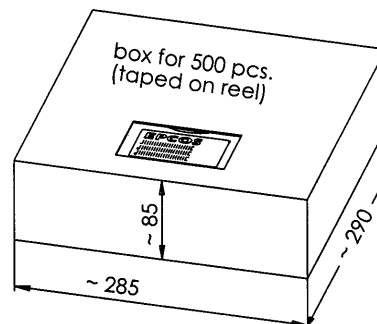
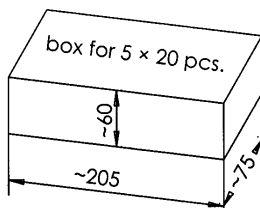
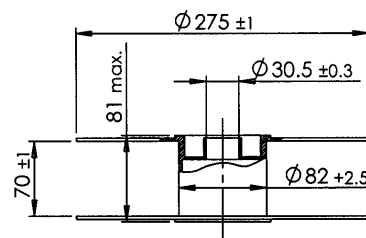
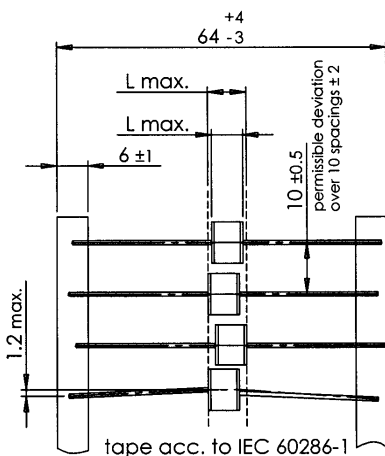
Dimensional drawing in mm



Ordering code and packing advice

B88069X1623S102 = 100 pcs. on 5 taped stripes

B88069X1623T502 = 500 pcs. on tape & reel



Cautions and warnings

- The follow current must be limited (see values on page 2) so that the arrester can be properly extinguished when the surge has decayed.
- 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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