



## Surge arrester

2-electrode arrester

**Series/Type:** A81-A600XG  
**Ordering code:** B88069X2990T502  
Version/Date: Issue 03 / 2009-11-12

**Features**

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

**Applications**

- Line protection
- Consumer electronics

**Electrical specifications**

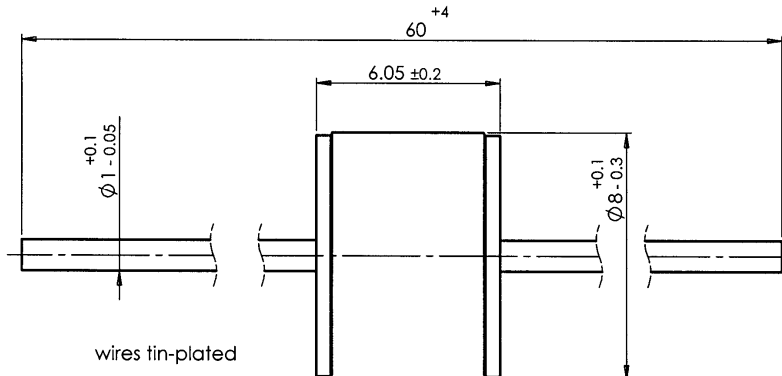
DC spark-over voltage <sup>1) 2)</sup>	600 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 1100	V
- typical values of distribution	< 950	V
at 1 kV/μs - for 99 % of measured values	< 1400	V
- typical values of distribution	< 1100	V
Service life		
10 operations                      50 Hz, 1 s	20	A
1 operation                        50 Hz, 0.18 s (9 cycles)	100	A
10 operations [5x (+) & 5x (-)] 8/20 μs	20	kA
1 operation                        8/20 μs	25	kA
1 operation                        10/350 μs	2.5	kA
Insulation resistance at 100 V <sub>dc</sub>	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue positive	<b>EPCOS 600 YY O</b> 600 - 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 ionized mode

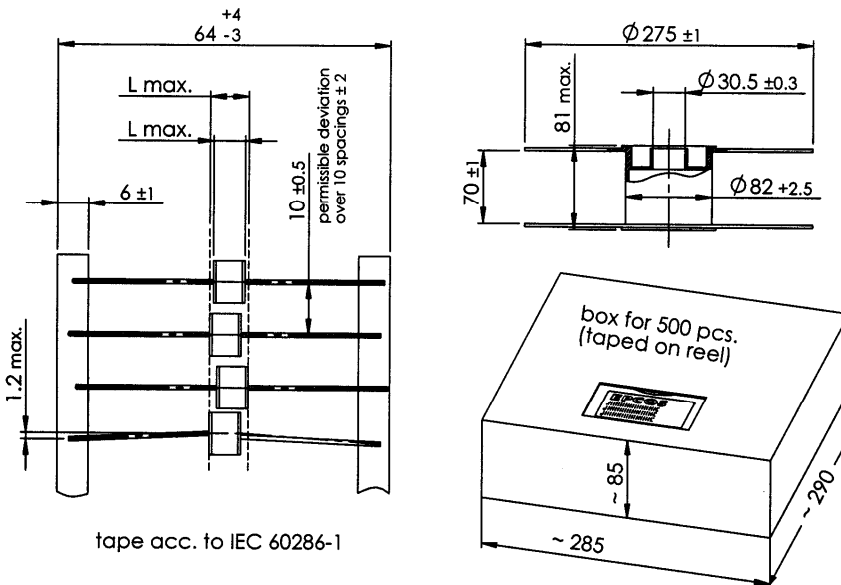
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

Dimensional drawing in mm



Ordering code and packing advice

B88069X2990T502 = 500 pcs on tape and reel



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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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