

# Surge arrester

2-electrode arrester

A81-A600XG

Series/Type: Ordering code: B88069X2990T502

Version/Date: Issue 03 / 2009-11-12



Surge arrester B88069X2990T502

## 2-electrode arrester A81-A600XG

#### **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 1) 2)			600 ± 20	V %
Impulse energy every	oltogo		220	70
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values			< 1100	V
·	<ul> <li>typical values of distribution</li> </ul>		< 950	V
at 1 kV/µs	- for 99 % of m	easured values	< 1400	V
	- typical values of distribution		< 1100	V
Service life				
10 operations		50 Hz, 1 s	20	Α
1 operation		50 Hz, 0.18 s (9 cycles)	100	Α
10 operations [5× (+) & 5× (–)] 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	$G\Omega$
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 +90	°C
Climatic category (IEC 60068-1)			40/ 90/ 21	
Marking, blue positive			EPCOS 600 YY O 600 - Nominal voltage YY - Year of production O - Non radioactive	

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

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

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

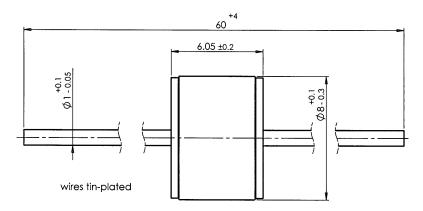


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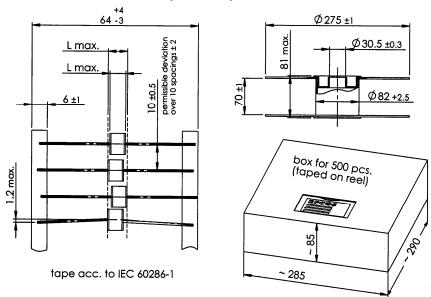
A81-A600XG

### Dimensional drawing in mm



## Ordering code and packing advice

B88069X2990**T502** = 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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