

Surge arrester

2-electrode arrester

Series/Type: A81-A600X

Ordering code: B88069X2880S102

Version/Date: Issue 05 / 2014-03-17

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B88069X2880S102 Surge arrester

2-electrode arrester A81-A600X

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

Electrical specifications			
DC spark-over voltage 1) 2) Tolerance Min. Max.		600 ±20 480 720	V % V V
Impulse spark-over voltage at 100 V/µs - for 99% of measu - typical values of		< 1100 < 950	V V
at 1 kV/µs - for 99% of meas - typical values of		< 1400 < 1100	V V
Service life			
10 operations 50) Hz, 1 s	20	Α
10 operations [5× (+) & 5× (-)] 8/3	20 μs	20	kA
1 operation 10)/350 μs	2.5	kA
Insulation resistance at 100 V_{DC}		> 10	$G\Omega$
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 ~ 0.5 ~ 60	V A V
Weight		~ 1.5	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 60068-1)		40/ 125/ 21	
Marking, blue positive		EPCOS 600 YY O 600 - Nominal voltage YY - Year of production O - Non radioactive	
Certifications		UL 497B (E163070)	71 °

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859 2) In ionized mode

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

PPD AB PD / PPD AB PM Issue 05 / 2014-03-17

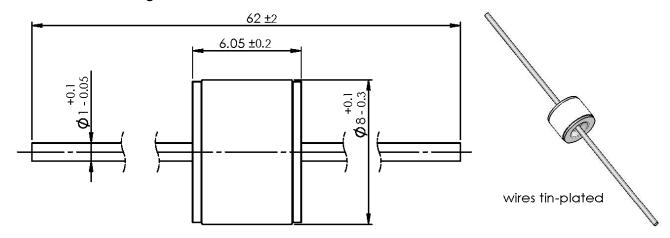


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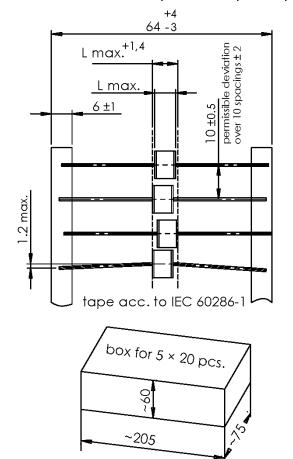
Dimensional drawing in mm

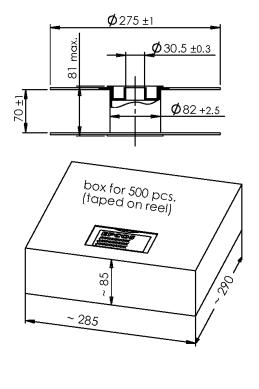


Ordering codes and packing advices

B88069X...**S102** = 100 pcs. on 5 taped stripes

B88069X...**T502** = 500 pcs. on tape & reel





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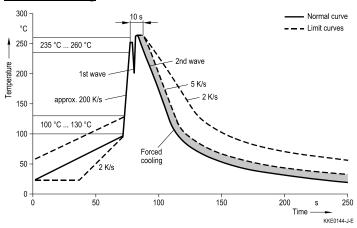


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Soldering parameter

Wave soldering



Wave profile features	Pb-free assembly
Solder	Sn 95.5 / Ag 3.8 / Cu 0.7
Solder bath temperature	263 (±3) °C
Dwell time	< 3 s

Soldering profile applied to a single soldering process.

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.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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