

Surge arrester

2-electrode arrester

Series/Type: Ordering code:	A71-H10X B88069X3820****
Date:	2019-08-19
Version:	08

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A71-H10X

B88069X3820****

Surge arrester

2-electrode arrester

Features

- Standard size
- Fast response time
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Power supply
- Consumer electronics
- Air-con

Electrical specifications			
DC spark-over voltage ^{1) 2)} Tolerance Min. Max.		1000 ±15 850 1150	V % V V
- typi at 1 kV/μs - for s	99% of measured values cal values of distribution 99% of measured values cal values of distribution	< 1300 < 1200 < 1400 < 1300	V V V V
Service life 10 operations 1 operation 10 operations 1 operation Insulation resistance at 100	50 Hz, 1 s 50 Hz, 0.18 s (9 cycles) 8/20 μs 8/20 μs	10 65 10 15 > 10	Α Α kA kA GΩ
Capacitance at 1 MHz	V DC	< 1	pF
Arc voltage at 1 A Glow to arc transition curren Glow voltage	t	~ 20 < 1 ~ 180	V A V
Weight		~ 2	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 6006	8-1)	40/125/21	
Marking, green positive		EPCOS 1000 YY O1000- Nominal voltageYY- Year of productionO- Non radioactive	
Certifications		UL 1449 (E319264)	c Sus

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

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

PPD AB PD / PPD AB PM



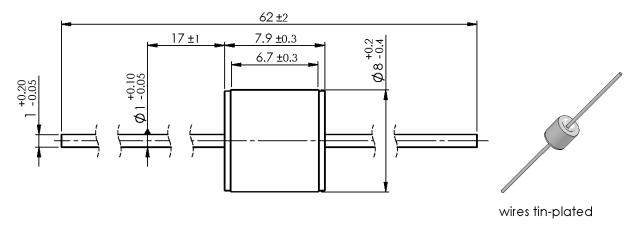
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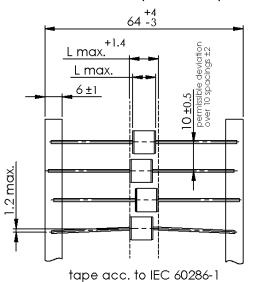
A71-H10X

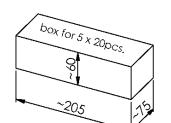
Dimensional drawing in mm



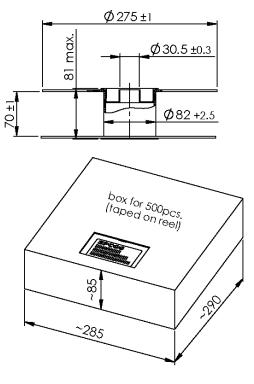
Ordering codes and packing advices

B88069X3820**S102** = 100 pcs. on 5 taped stripes





B88069X3820**T502** = 500 pcs. on tape & reel



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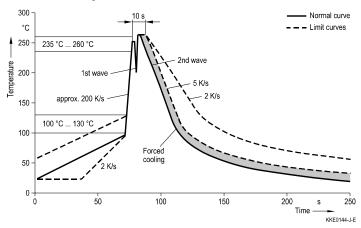
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Soldering parameter

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

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- If the contacts of the surge arresters are defective, current load can cause sparks and loud noises.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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