

Surge arrester

2-electrode arrester

Series/Type: Ordering code:	A81-A75X B88069X3881****	
Date:	2019-06-27	
Version:	05	

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A81-A75X

B88069X3881****

Surge arrester

2-electrode arrester

Features

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

Applications

- Tower mounted amplifier
- Consumer electronics
- Alarm systems

Electrical opeonioations			
DC spark-over voltage ^{1) 2)} Tolerance Min. Max.		75 ±20 60 90	V % V V
Impulse spark-over voltage			
at 100 V/µs - for 99% of measur - typical values of d		< 350 < 300	V V
at 1 kV/µs - for 99% of measur - typical values of d		< 650 < 600	V V
Service life			
10 operations	50 Hz, 1 s	20	А
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 50 V_{DC}		> 10	GΩ
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A Glow to arc transition current		~ 15 < 0.6	V A
Glow voltage		~ 60	V
Weight		~ 1.5	g
Operation and storage temperature		-40 +125	°C
Climatic category (IEC 60068-1)		40/125/21	
Marking, blue negative		EPCOS 75 YY 075- Nominal voltageYY- Year of productiO- Non radioactive	
Certification		UL 497B (E163070)	91 °

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



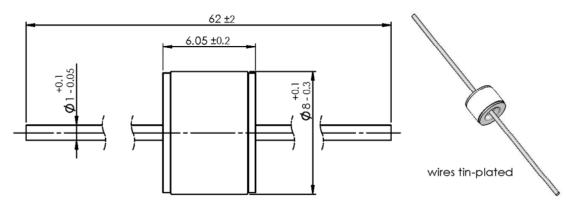
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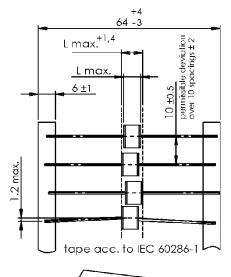
A81-A75X

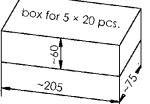
Dimensional drawing in mm



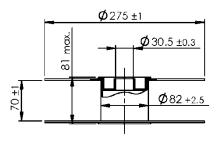
Ordering codes and packing advices

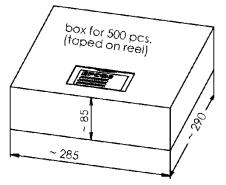
B88069X3881**S102** = 100 pcs. on 5 taped stripes





B88069X3881**T502** = 500 pcs. on tape & reel







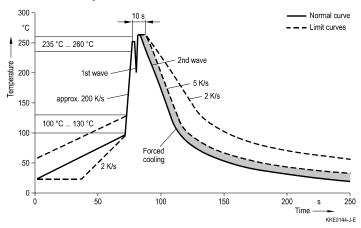
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Soldering parameter

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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