

Surge arrester

2-electrode arrester

 Series/Type:
 A81-C90X

 Ordering code:
 B88069X1380S102

 Version/Date:
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Surge arrester

2-electrode arrester

Features

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

Electrical specifications

Applications

- Tower mounted amplifier
- Consumer electronic
- Alarm systems

DC spark-over voltage ^{1) 2)}		90 ± 20	V %
Impulse spark-over v	oltage		
at 100 V/µs	•	< 500 < 450	V V
at 1 kV/µs	 for 99 % of measured values typical values of distribution 	< 600 < 550	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
300 operations 10/1000 μs		100	А
Insulation resistance at 50 V_{DC}		> 10	GΩ
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A		~ 15	V
Glow to arc transition current		~ 0.6	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 90 YY O90- Nominal voltageYY- Year of productionO- Non radioactive	

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

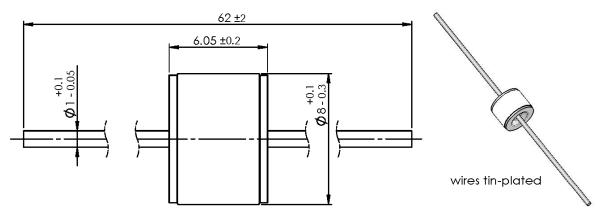


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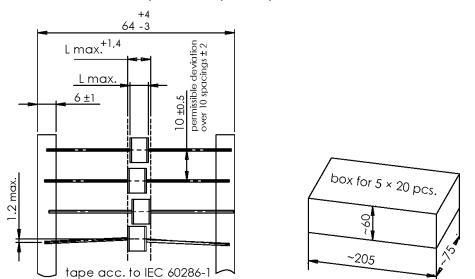
B88069X1380S102 A81-C90X

Dimensional drawing in mm



Ordering code and packing advice

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



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).
- If the contacts of the surge arrester are defective, current stress can lead to the formation of sparks and loud noises.
- 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.

PPD AB PD / PPD AB PM



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