

Surge arrester

2-electrode arrester

Series/Type: A81-C90X Ordering code: B88069X13

Ordering code: B88069X1380S102

Version/Date: Issue 08 / 2011-12-20

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Surge arrester B88069X1380S102

2-electrode arrester A81-C90X

Features

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

Applications

- Tower mounted amplifier
- Consumer electronic
- Alarm systems

Electrical specifications

DC spark-over voltage 1) 2)			90	V
			± 20	%
Impulse spark-over vo	ltage			
•		easured values	< 500	V
	 typical values of distribution 		< 450	V
at 1 kV/µs	- for 99 % of measured values		< 600	V
	 typical values of distribution 		< 550	V
Service life				
10 operations	3	50 Hz, 1 s	20	Α
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	i	10/1000 μs	100	Α
Insulation resistance a	at 50 V _{DC}		> 10	$G\Omega$
Capacitance at 1 MHz			< 1.5	pF
Arc voltage at 1 A			~ 15	V
Glow to arc transition current			~ 0.6	Α
Glow voltage			~ 60	V
Weight			~ 1.5	g
Operation and storage temperature			-40 +12 5	°C
Climatic category (IEC 60068-1)			40/ 125/ 21	
Marking, blue negative		EPCOS 90 YY O 90 - Nominal voltage YY - Year of production O - Non radioactive		

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

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

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²⁾ In ionized mode

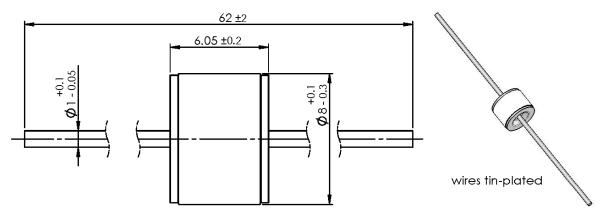


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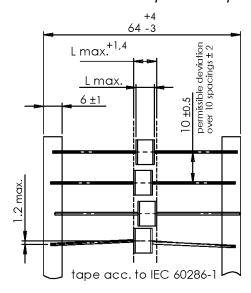
A81-C90X

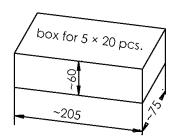
Dimensional drawing in mm



Ordering code and packing advice

B88069X...**\$102** = 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.

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