

Surge arrester

2-electrode arrester

Series/Type: A81-H08X

Ordering code: B88069X1543****

2019-07-02 Date:

Version: 04

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2-electrode arrester A81-H08X

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
- Alarm system

Electrical specifications

DC spark-over voltage 1) 2)	800	V	
Tolerance	±20	%	
Min.	640	V	
Max.	960	V	
Impulse spark-over voltage			
at 100 V/µs - for 99% of measured values	< 1200	V	
 typical values of distribution 	< 950	V	
at 1 kV/µs - for 99% of measured values	< 1300	V	
 typical values of distribution 	< 1100	V	
Service life			
10 operations 50 Hz, 1 s	10	Α	
1 operation 50 Hz, 0.18 s (9 cycles)	100	Α	
10 operations 8/20 µs	10	kA	
1 operation 10/350 µs	2.5	kA	
400 operations 10/1000 μs	500	Α	
Insulation resistance at 100 V _{DC}	> 10	$G\Omega$	
Capacitance at 1 MHz	< 1.5	pF	
Arc voltage at 1 A	~ 20	V	
Glow to arc transition current	< 0.5	Α	
Glow voltage	~ 160	V	
Weight	~ 1.5	g	
Operation and storage temperature	-40 +125	°C	
Climatic category (IEC 60068-1)	40/125/21		
Marking, blue positive	800 - Nominal vo YY - Year of pro	YY - Year of production	

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

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

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²⁾ In ionized mode

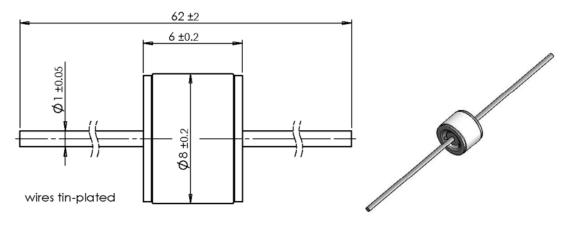


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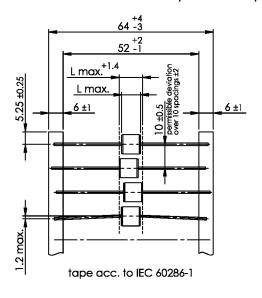
Dimensional drawing in mm

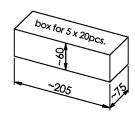


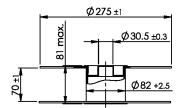
Ordering codes and packing advices

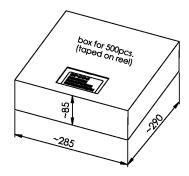
B88069X1543**S102** = 100 pcs. on 5 taped stripes

B88069X1543**T502** = 500 pcs. on tape & reel









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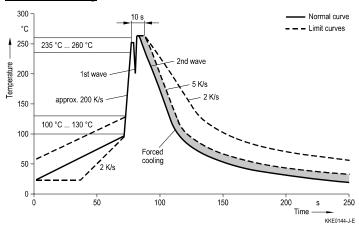


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Soldering parameter

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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