

Surge arrester

2-electrode arrester

Series/Type: G31-A90X Ordering code: B88069X93

Ordering code: B88069X9361B502

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Surge arrester B88069X9361B502

2-electrode arrester G31-A90X

Features

- Extremely small size
- Very fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- ESD protection
- Applications with limited space

Electrical specifications

DC spark-over voltage 1) 2)	90	V
·	± 20	%
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values	< 400	V
 typical values of distribution 	< 300	V
at 1 kV/µs - for 99 % of measured values	< 700	V
 typical values of distribution 	< 600	V
Service life 3)		
10 operations [5× (+) & 5× (-)] 8/20 μs	1	kA
1 operation 8/20 µs	2	kA
300 operations 8/20 µs	100	Α
Insulation resistance at 50 V_{dc}	> 1	$G\Omega$
Capacitance at 1 MHz	< 0.5	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	< 1.0	Α
Glow voltage	~ 60	V
Weight	~ 0.2	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, without		

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

Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21 and DIN 57845 / VDE0845

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²⁾ In ionized mode

Tests according to ITU-T Rec. K. 12 and UL 497B

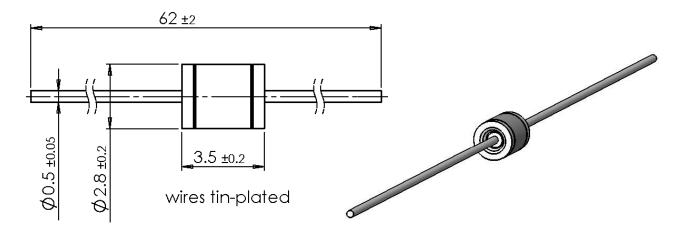


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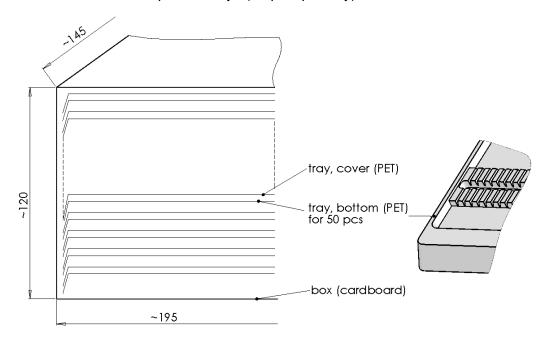
G31-A90X

Dimensional drawing in mm



Packing advice

B88069X...B502 = 500 pcs. on trays (50 pcs. per tray)



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).
- Surge arresters may be used only within their specified values. In the event 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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