

Surge arrester

2-electrode arrester

 Series/Type:
 G31-A400X

 Ordering code:
 B88069X9321B502

 Version/Date:
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Surge arrester

2-electrode arrester

B88069X9321B502 G31-A400X

Features

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

Electrical specifications

Applications

- **ESD** protection
- Applications with limited space

DC spark-over voltage ^{1) 2)}	400	V
	± 20	%
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values - typical values of distribution	< 900 < 600	V V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 1200 < 850	V V
Service life ³⁾		
10 operations [5× (+) & 5× (–)] 8/20 μs	1	kA
1 operation 8/20 µs	2	kA
Insulation resistance at 100 V_{dc}	> 1	GΩ
Capacitance at 1 MHz	< 0.5	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 10 < 1.0 ~ 60	V A V
Weight	~ 0.2	g
Operation and storage temperature	-40 +125	°C
Climatic category (IEC 60068-1)	40/ 125/ 21	
Marking, without		

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859 ²⁾ In ionized mode

³⁾ Tests according to ITU-T Rec. K. 12 and UL 497B

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

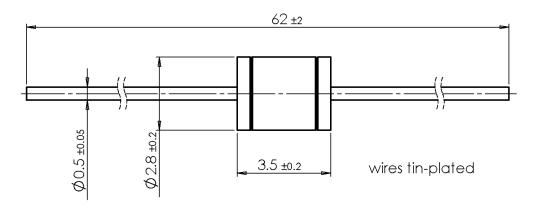


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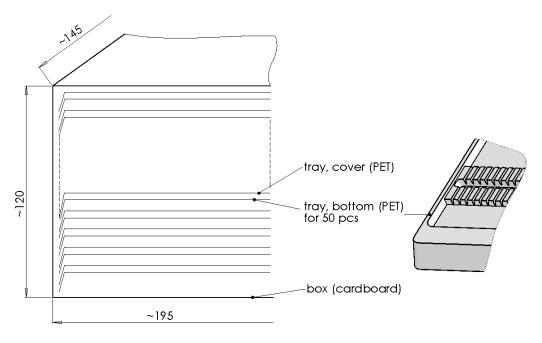
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Dimensional drawing in mm



Ordering code and packing advice

B88069X9321**B502** = 500 pcs on10 trays



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.

PPD AB PD / PPD AB PM



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