Surge arrester

2-electrode arrester

Series/Type:	**G31-A75X**
Ordering code:	**B88069X8091B502**
Version/Date:	Issue 05 / 2012-11-22

Surge arrester — B88069X8091B502

2-electrode arrester — G31-A75X

Features

- Very 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

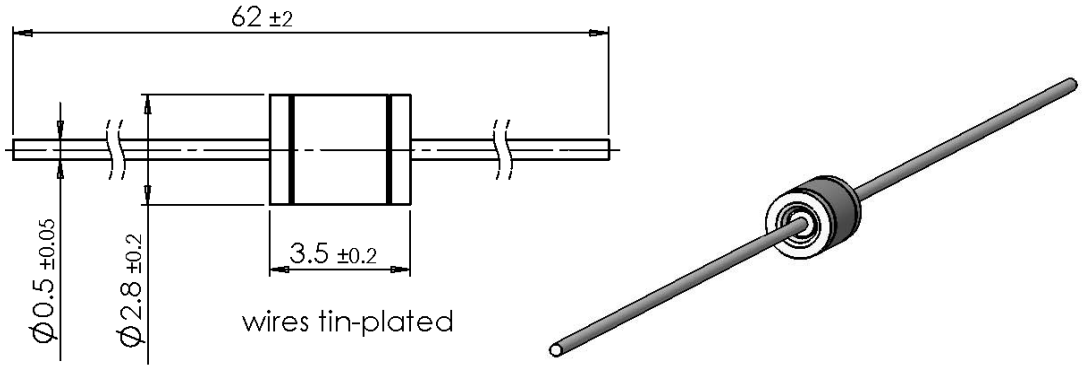
Electrical specifications

DC spark-over voltage [1) 2)]		75 ± 20	V %
Impulse spark-over voltage			
at 100 V/µs	- for 99% of measured values	< 350	V
	- typical values of distribution	< 300	V
at 1 kV/µs	- for 99% of measured values	< 750	V
	- typical values of distribution	< 650	V
Service life [3)]			
300 operations	8/20 µs	100	A
10 operations [5× (+) & 5× (–)]	8/20 µs	1	kA
1 operation	8/20 µs	2	kA
200 operations (discharge)	1500 pF; 10 kV; 0 Ω	1.5×10^{-5}	As
Insulation resistance at 50 V_{DC}		> 1	GΩ
Capacitance at 1 MHz		< 0.5	pF
Arc voltage at 1 A		~ 10	V
Glow to arc transition current		< 1.0	A
Glow voltage		~ 60	V
Weight		~ 0.2	g
Operation and storage temperature		-40 ... +105	°C
Climatic category (IEC 60068-1)		40/ 105/ 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

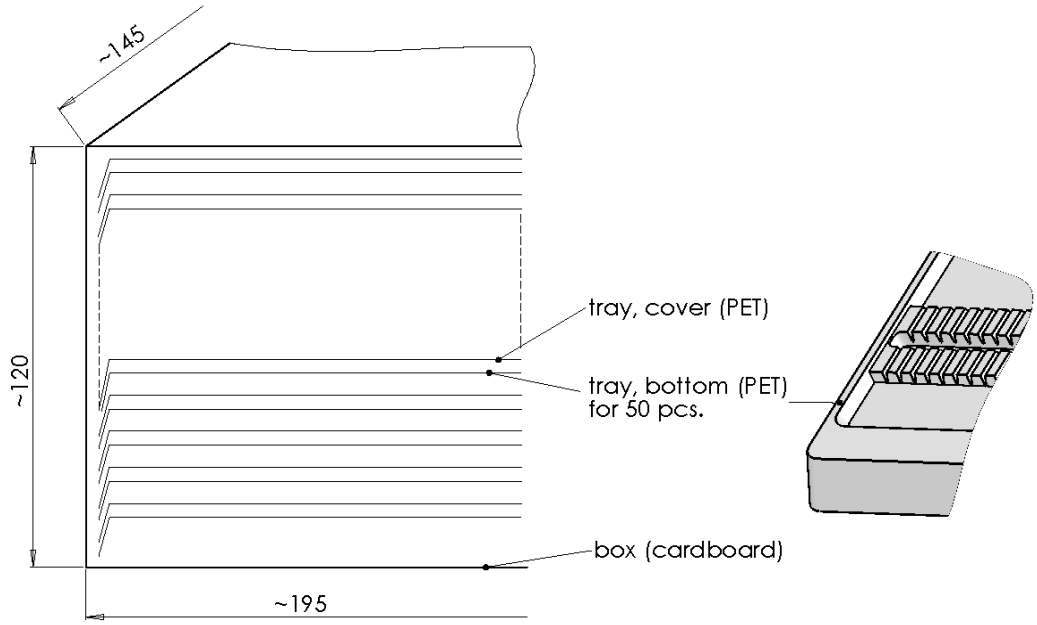
Terms and current waveforms in accordance with ITU-T Rec. K. 12; IEC 61663-2, IEC 61643-21 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X8091**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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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