



Surge arrester

2-electrode arrester

Series/Type: KX61-A90X
Ordering code: B88069X1343B502
Version/Date: Issue 02 / 2011-10-28

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Features

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

Applications

- HF-applications
- Line protection
- Station protection

Electrical specifications

DC spark-over voltage ^{1) 2)}	90 ± 25	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values - typical values of distribution	< 350 < 300	V V
at 1 kV/μs - for 99 % of measured values - typical values of distribution	< 550 < 500	V V
Service life ³⁾		
10 operations 8/20 μs	5	kA
1 operation 8/20 μs	10	kA
300 operations (alternating polarity) 10/1000 μs	100	A
Insulation resistance at 50 V _{DC}	> 10	GΩ
Capacitance at 24 kHz	0.94 ... 1.19	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 1.5	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

²⁾ In ionized mode

³⁾ After service life:

DC spark-over voltage: 68 ... 180 V

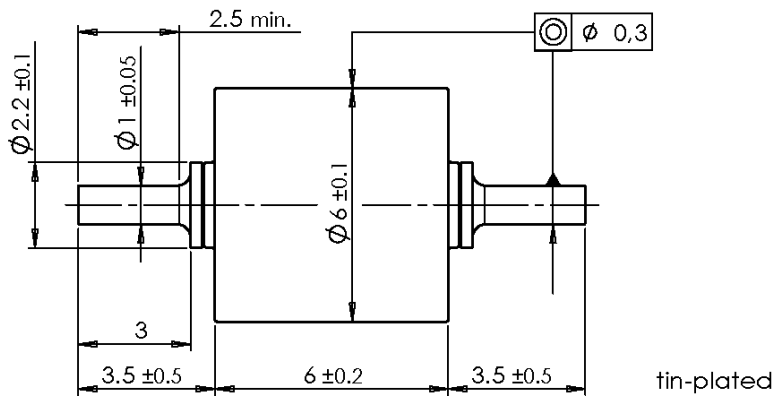
Impulse spark-over voltage: at 100 V/μs < 450 V

at 1 kV/μs < 750 V

Insulation resistance at 100 V_{DC} > 0.1 GΩ

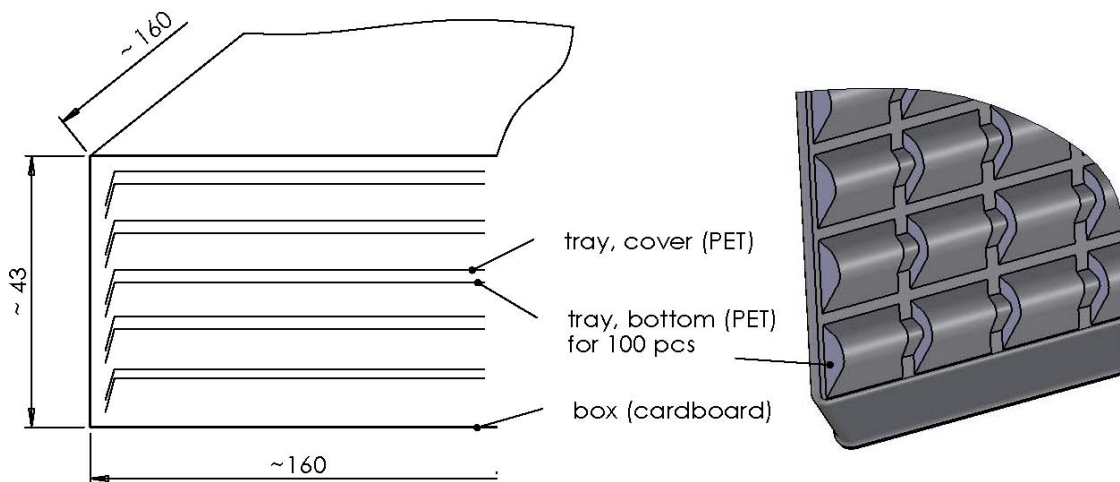
Terms and current waveforms in accordance with: ITU-T Rec. K.12 ; IEC 61643-21 and IEC 61663-2

Dimensional drawing in mm



Packing advice

B88069X...B502 = 500 pcs on trays



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event 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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