



## Surge arrester

2-electrode arrester

**Series/Type:** KX61-A350X  
**Ordering code:** B88069X1393B502  
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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 <sup>1) 2)</sup>	350 ± 25	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 650	V
- typical values of distribution	< 550	V
at 1 kV/μs - for 99 % of measured values	< 800	V
- typical values of distribution	< 650	V
Service life <sup>3)</sup>		
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 100 V <sub>DC</sub>	> 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	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

<sup>3)</sup> After service life:

DC spark-over voltage: 225 ... 500 V

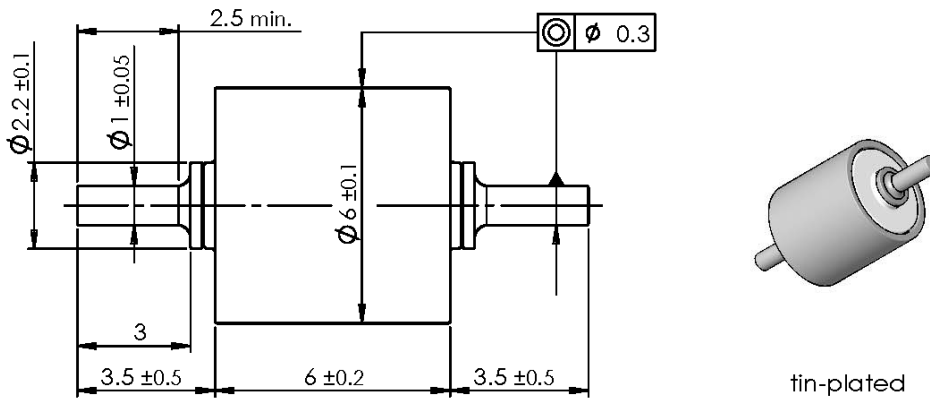
Impulse spark-over voltage: at 100 V/μs < 900 V

                                  at 1 kV/μs < 1000 V

Insulation resistance at 100 V<sub>DC</sub> > 0.1 GΩ

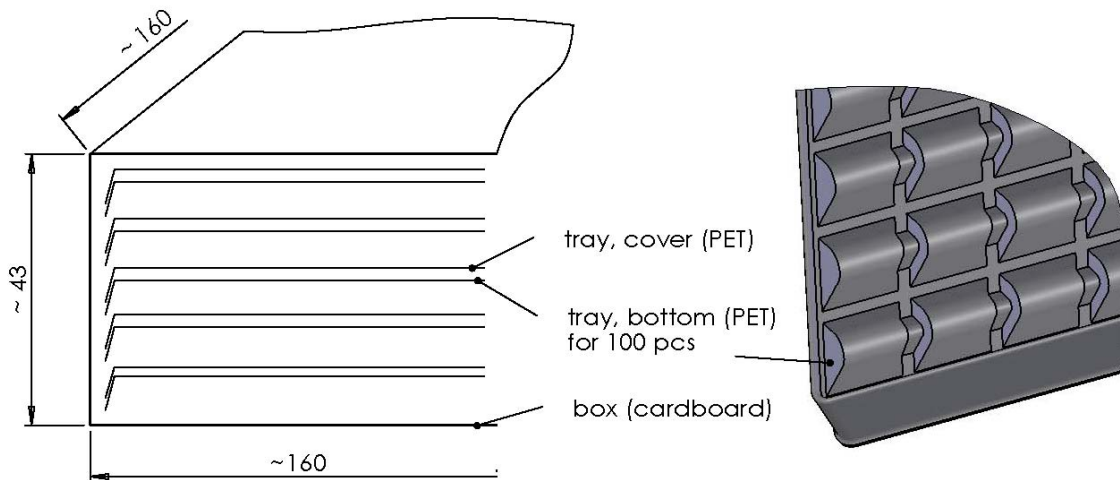
Terms and current waveforms in accordance with: ITU-T Rec. K.12 ; IEC 61643-21 and IEC 61663-2

**Dimensional drawing in mm**



**Ordering code and 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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