



Surge arrester

2-electrode arrester

Series/Type: KX61-A90X
Ordering code: B88069X1343B502
Date: 2019-08-22
Version: 03

Features

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

Applications

- HF-applications
- Line protection
- Station protection

Electrical specifications

DC spark-over voltage ^{1) 2)}	90	V
Tolerance	±25	%
Min.	68	V
Max.	112	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	< 550	V
- typical values of distribution	< 500	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 ... +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⁾ After service life:

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

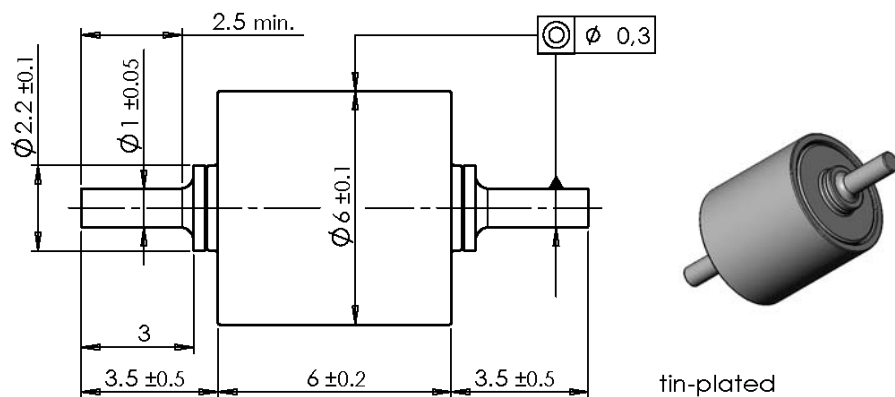
Impulse spark-over voltage: at 100 V/μs < 450 V

 at 1 kV/μs < 750 V

Insulation resistance at 100 V_{DC} > 0.1 GΩ

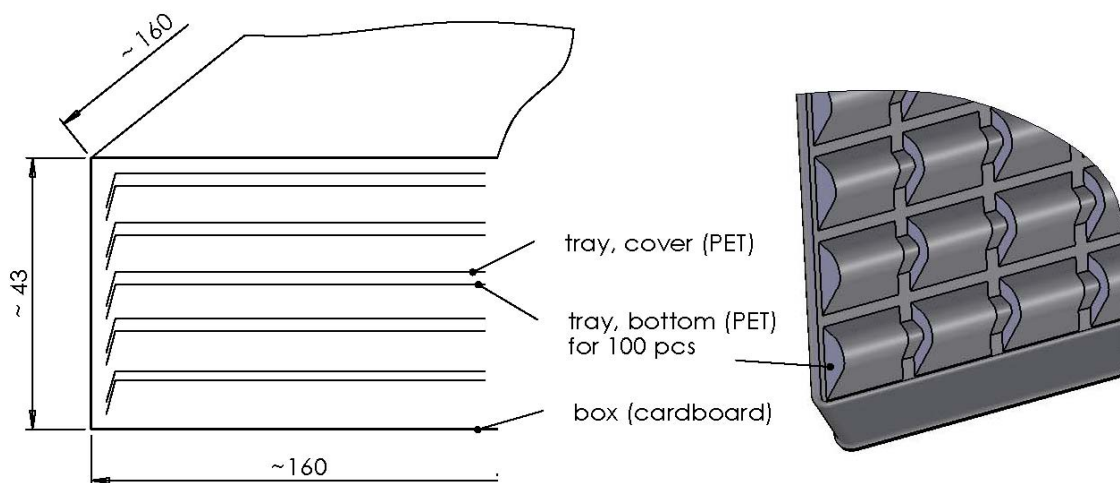
Terms in accordance with ITU-T Rec. K.12 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

B88069X1343B502 = 500 pcs. on trays



Cautions and warnings

- Do not operate surge arresters in power supply networks, whose maximum operating voltage exceeds the minimum spark-over voltage of the surge arresters.
- Surge arresters may become hot in the event of longer periods of current stress (burn risk). In the event of overload the connectors may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Do not continue to use damaged surge arresters.

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Important notes

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