Surge arrester

2-electrode arrester

Series/Type:	**V12-A600X**
Ordering code:	**B88069X4450C101**
Date:	2016-05-25
Version:	04

EPCOS AG is a TDK Group Company.

Surge arrester — B88069X4450C101

2-electrode arrester — V12-A600X

Features

- Standard size
- Maximum current rating
- Fast response time
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Industry

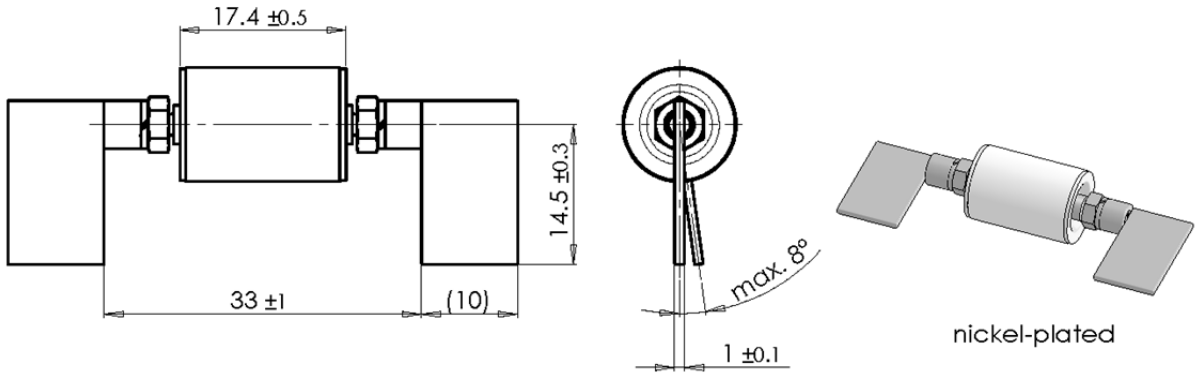
Electrical specifications

DC spark-over voltage [1) 2)]	600	V
Tolerance	±20	%
Min.	480	V
Max.	720	V
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values	< 800	V
at 100 V/µs - typical values of distribution	< 700	V
at 1 kV/µs - for 99% of measured values	< 900	V
at 1 kV/µs - typical values of distribution	< 800	V
Service life		
10 operations 50 Hz, 1 s	40	A
1 operations 50 Hz, 0.18 s (9 cycles)	65	A
10 operations 8/20 µs	20	kA
1 operation 8/20 µs	25	kA
Insulation resistance at 100 V_{DC}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 30	V
Glow to arc transition current	< 1	A
Glow voltage	~ 200	V
Weight	~ 11	g
Operation and storage temperature	–40 ... +125	°C
Climatic category (IEC 60068-1)	40/125/21	
Marking, black positive	EPCOS 600 YY O 600 - Nominal voltage YY - Year of production O - Non radioactive	

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

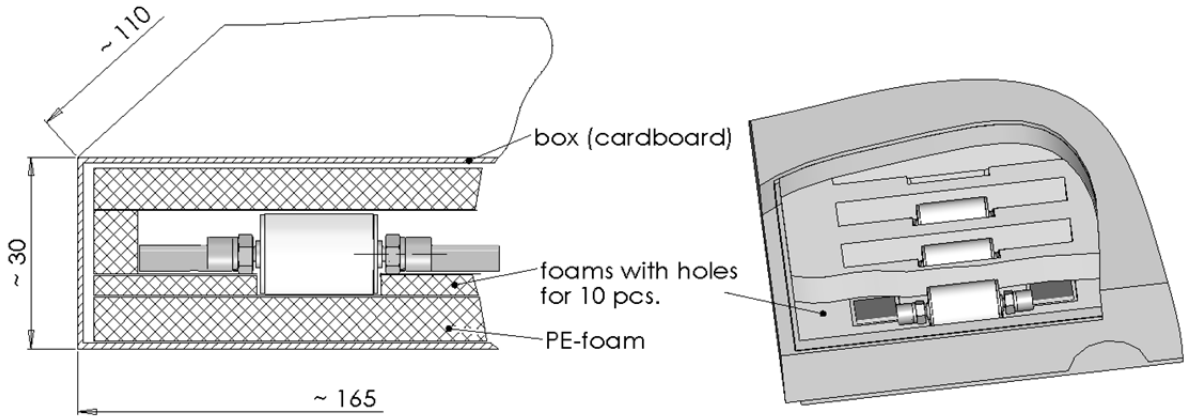
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X4450**C101** = 10 pcs. in container*



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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