Surge arrester

2-electrode arrester

Series/Type:	**V10-H14X**
Ordering code:	**B88069X4300C251**
Date:	Issue 04 / 2013-08-28

EPCOS AG is a TDK Group Company.

Surge arrester — B88069X4300C251

2-electrode arrester — V10-H14X

Features

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

Applications

- Industry

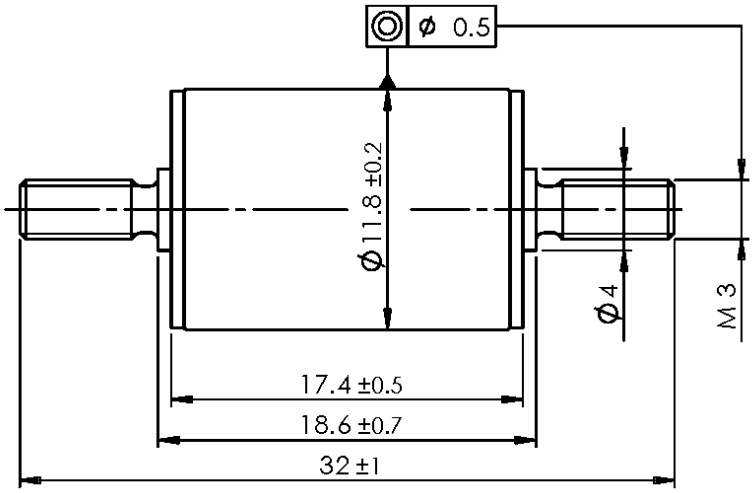
Electrical specifications

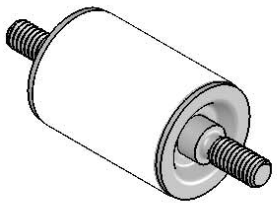
DC spark-over voltage [1) 2)]	1400 ± 20	V %
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values	< 1900	V
at 100 V/µs - typical values of distribution	< 1800	V
at 1 kV/µs - for 99% of measured values	< 2200	V
at 1 kV/µs - typical values of distribution	< 2000	V
Service life		
10 operations 50 Hz, 1 s	20	A
1 operation 50 Hz, 0.18 s (9 cycles)	120	A
10 operations 8/20 µs	20	kA
1 operation 8/20 µs	30	kA
Insulation resistance at 100 V_{DC}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 35	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 200	V
Weight	~ 8	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, black positive	**EPCOS 1400 YY O** 1400 - 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. K12; IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm



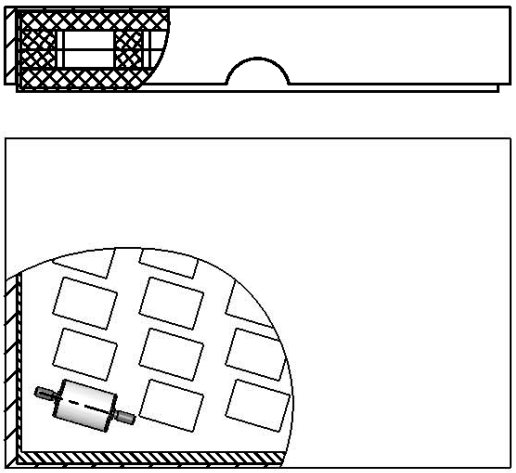


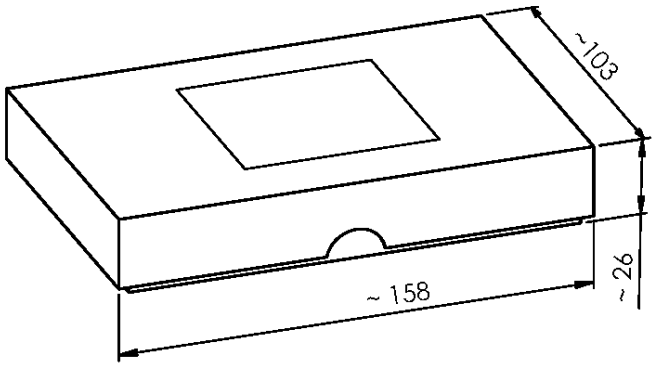
nickel -plated

minimize torque charge
max. torque = 0.75 Nm

Ordering code and packing advice

*B88069X4300**C251** = 25 pcs. on foam tray*





cardboard box with PE-foam

Cautions and warnings

- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may be used only within their specified values. In case of overload, the lead contacts may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

Important notes

The following applies to all products named in this publication:

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