Surge arrester

3-electrode arrester

Series/Type:	**T63-C350X**
Ordering code:	**B88069X7460B102**
Version/Date:	Issue 04 / 2011-12-20

EPCOS AG is a TDK Group Company.

Surge arrester — B88069X7460B102

3-electrode arrester — T63-C350X

Features

- Very fast response time
- Maximum current rating
- Stable performance over life
- Low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Branch Exchange (MDF)
- Line protection
- Station protection

Electrical specifications

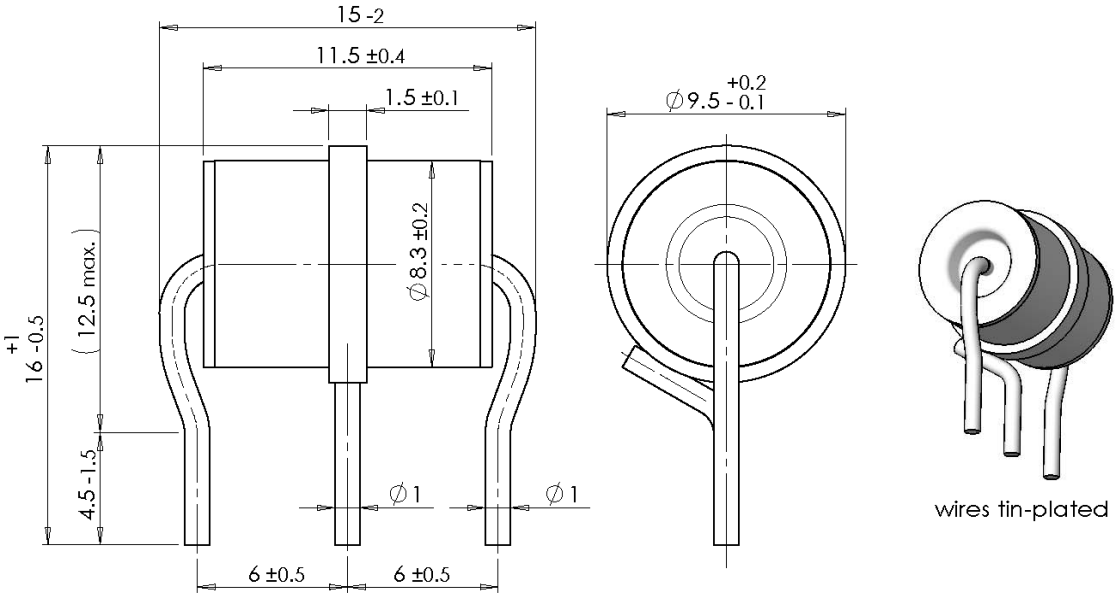
DC spark-over voltage [1) 2) 3)]		400 ± 25	V %
Impulse spark-over voltage [3)]			
at 100 V/µs	- for 99 % of measured values	< 800	V
	- typical values of distribution	< 700	V
at 1 kV/µs	- for 99 % of measured values	< 900	V
	- typical values of distribution	< 800	V
Service life			
10 operations	50 Hz, 1 s [4)]	20	A
1 operation	50 Hz, 0.18 s (9 cycles) [4)]	130	A
10 operations [5x (+) & 5x (-)]	8/20 µs [4)]	20	kA
1 operation	8/20 µs [4)]	40	kA
1 operation	10/350 µs [4)]	5	kA
200 operations	10/700 µs [4)]	400	A
400 operations	10/1000 µs [4)]	1000	A
Insulation resistance at 100 V_{DC} [3)]		> 10	GΩ
Capacitance at 1 MHz [3)]		< 1.5	pF
Transverse delay time [5)]		< 0.2	µs
Arc voltage at 1 A		~ 35	V
Glow to arc transition current		~ 1	A
Glow voltage		~ 200	V
Weight		~ 3.5	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue negative		**EPCOS** **350 YY O** 350 - Nominal voltage YY - Year of production O - Non radioactive	

Remarks on next page above

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Tip or ring electrode to center electrode
4) Total current through center electrode, half value through tip respectively ring electrode
5) Test according to ITU-T Rec. K.12

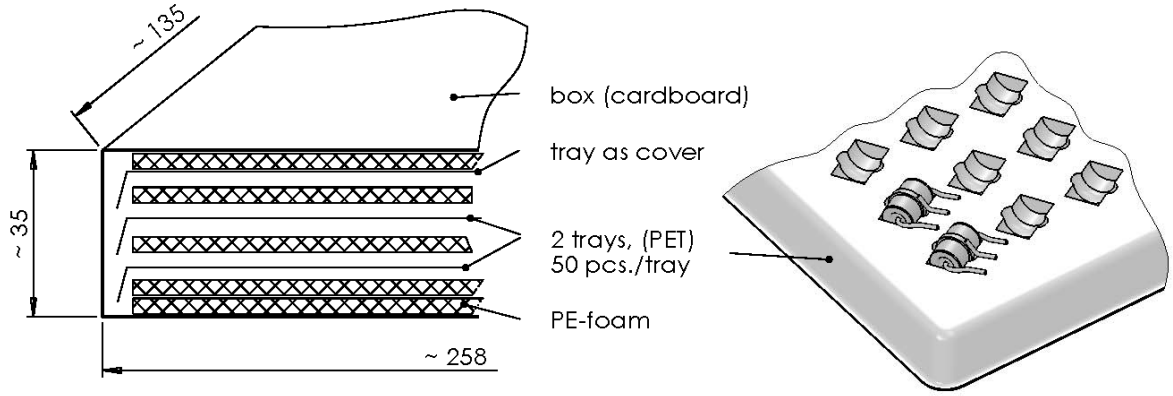
Terms in accordance with ITU-T Rec. K.12; IEC 61663-2 and IEC 61643-311.
Tested in accordance to RUS PE-80 and IEEE C62.31.

Dimensional drawing in mm



Ordering code and packing advice

*B88069X6990**B102** = 100 pcs. on 2 trays*



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- 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.
- Damaged surge arresters must not be re-used.

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The following applies to all products named in this publication:

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