



## Surge arrester

### 3-electrode arrester

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

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**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

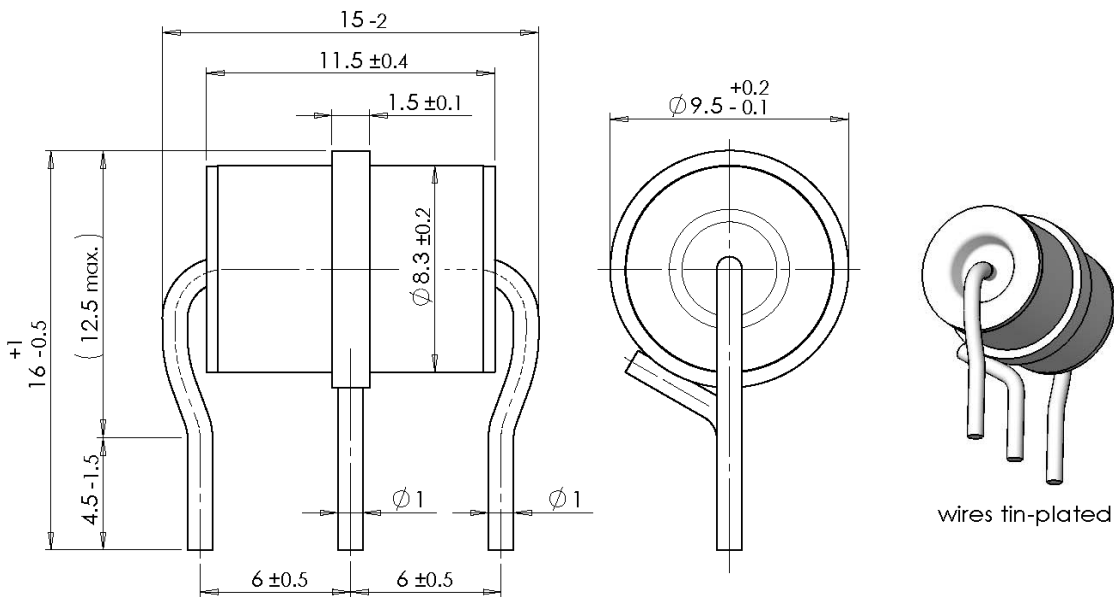
**Electrical specifications**

DC spark-over voltage <sup>1) 2) 3)</sup>	400 ± 25	V %
Impulse spark-over voltage <sup>3)</sup>		
at 100 V/μs - for 99 % of measured values - typical values of distribution	< 800 < 700	V V
at 1 kV/μs - for 99 % of measured values - typical values of distribution	< 900 < 800	V V
Service life		
10 operations                      50 Hz, 1 s <sup>4)</sup>	20	A
1 operation                        50 Hz, 0.18 s (9 cycles) <sup>4)</sup>	130	A
10 operations [5x (+) & 5x (-)]   8/20 μs <sup>4)</sup>	20	kA
1 operation                        8/20 μs <sup>4)</sup>	40	kA
1 operation                        10/350 μs <sup>4)</sup>	5	kA
200 operations                    10/700 μs <sup>4)</sup>	400	A
400 operations                    10/1000 μs <sup>4)</sup>	1000	A
Insulation resistance at 100 V <sub>DC</sub> <sup>3)</sup>	> 10	GΩ
Capacitance at 1 MHz <sup>3)</sup>	< 1.5	pF
Transverse delay time <sup>5)</sup>	< 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	<b>EPCOS</b> <b>350 YY O</b> 350 - Nominal voltage YY - Year of production O - Non radioactive	

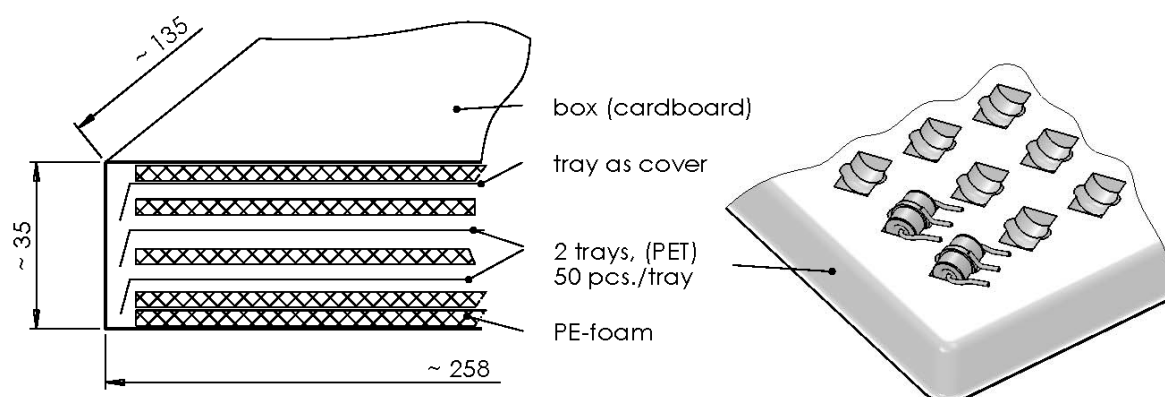
Remarks on next page above

- 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**

**B88069X6990B102** = 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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Release 2018-10

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