



## Surge arrester

3-electrode arrester

**Series/Type:** T23-C350XS  
**Ordering code:** B88069X8160B502  
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Features	Applications
<ul style="list-style-type: none"> <li>▪ Standard size</li> <li>▪ Extremely fast response time</li> <li>▪ Very high current rating</li> <li>▪ Stable performance over life</li> <li>▪ Very low capacitance</li> <li>▪ High insulation resistance</li> <li>▪ RoHS-compatible</li> </ul>	<ul style="list-style-type: none"> <li>▪ Branch exchange (MDF)</li> <li>▪ Line protection</li> <li>▪ Station protection</li> </ul>

**Electrical specifications**

DC spark-over voltage <sup>1) 2) 4)</sup>	300 ... 500	V
Impulse spark-over voltage <sup>4)</sup>		
at 100 V/ $\mu$ s - for 99 % of measured values	< 650	V
- typical values of distribution	< 550	V
at 1 kV/ $\mu$ s - for 99 % of measured values	< 800	V
- typical values of distribution	< 750	V
Insulation resistance at 100 V <sub>dc</sub> <sup>4)</sup>	> 10	G $\Omega$
Capacitance at 1 MHz <sup>4)</sup>	< 1.5	pF
Transverse delay time <sup>3)</sup>	< 1	ms
DC hold-over voltage <sup>3)</sup>		
at 150V <sub>dc</sub> / 200 mA	< 150	ms
Service life		
10 operations   50 Hz; 1 s <sup>5)</sup>	10	A <sub>rms</sub>
1 operation    50 Hz; 0.18 s (9 cycles) <sup>3) 5)</sup>	130	A <sub>rms</sub>
10 operations   8/20 $\mu$ s <sup>5)</sup>	20	kA
1 operation    8/20 $\mu$ s <sup>5)</sup>	25	kA
400 operations 10/1000 $\mu$ s <sup>3) 5)</sup>	1000	A
Weight	~ 2	g
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	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

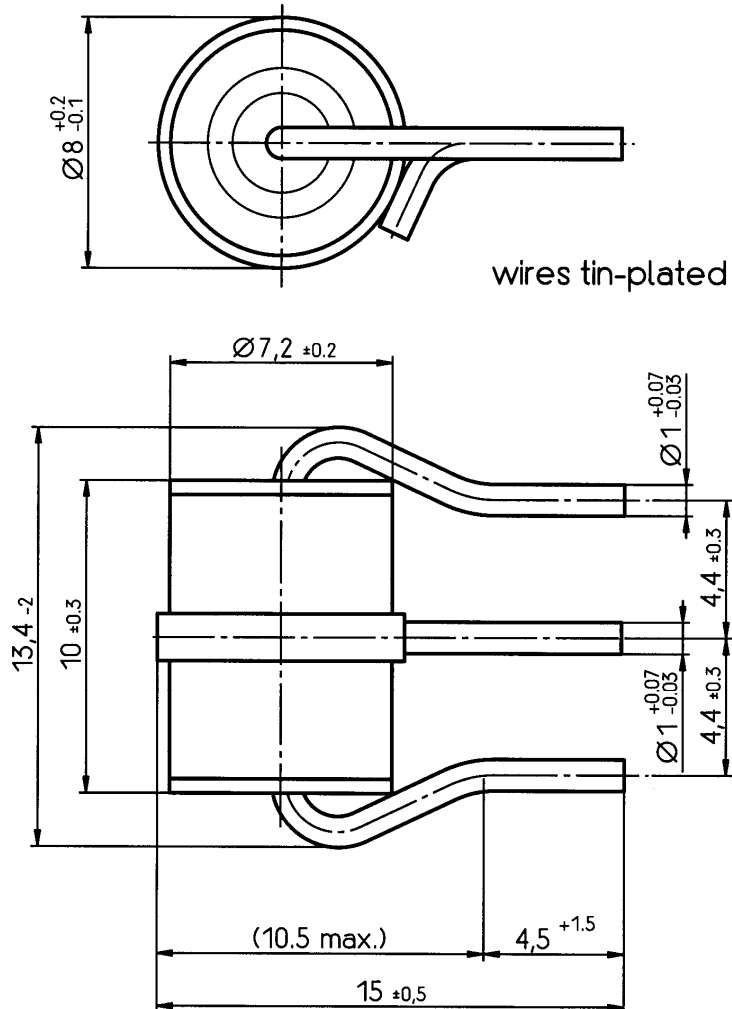
<sup>2)</sup> In ionized mode

<sup>3)</sup> Test according to RUS PE80

<sup>4)</sup> Tip or ring electrode to center electrode

<sup>5)</sup> Total current through center electrode, half value through tip respectively ring electrode.

Terms in accordance with RUS PE80

**Dimensional drawing**


*Not to scale*

*Dimensions in mm*

*Non controlled document*

**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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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