

# **Surge arrester**

2-electrode arrester

Series/Type: ES350XN

Ordering code: B88069X4951xxxx a)

Version/Date: Issue 02 / 2007-01-12

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B88069X4951xxxx <sup>a)</sup> Surge arrester ES350XN 2-electrode arrester

Features	Applications
<ul> <li>Extremely small size</li> </ul>	■ Modem
<ul> <li>Very fast response time</li> </ul>	<ul><li>XDSL-splitter</li></ul>
<ul> <li>Stable performance over life</li> </ul>	<ul><li>Tuner</li></ul>
<ul> <li>Extremely low capacitance</li> </ul>	
<ul> <li>High insulation resistance</li> </ul>	
<ul><li>RoHS-compatible</li></ul>	

## **Electrical specifications**

<u> </u>		
DC spark-over voltage 1) 2)	350 ± 15	V %
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution	< 530 < 450	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 600 < 530	V V
Service life		
10 operations 8/20 μs	2.5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V <sub>dc</sub>	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 < 0.5 ~ 130	V A V
Weight	~ 0.3	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	EPCOSES 350 YY O ES - Series 350 - Nominal voltage YY - Year of production O - Non radioactive	

xxxx = C253 (2500 pcs in container) = T103 (1000 pcs on tape and reel)

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

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

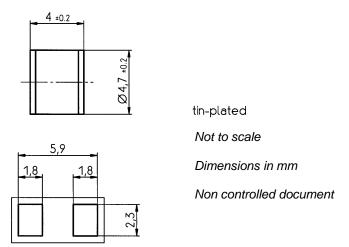


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ES350XN

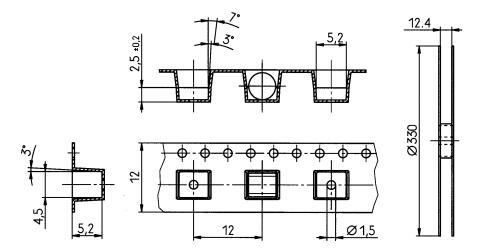
## **Dimensional drawing**



recommended pad outline

## **Packing advice**

T103 = 1000 pcs on tape and reel



## **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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