

# Surge arrester

2-electrode arrester

Series/Type: M51-A350X Ordering code: B88069X464

Ordering code: B88069X4640C102

Version/Date: Issue 03 / 2007-04-19

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B88069X4640C102 Surge arrester

#### M51-A350X 2-electrode arrester

Features	Applications
<ul> <li>Very small size</li> </ul>	Branch exchange
<ul> <li>High current rating</li> </ul>	Line protection
<ul> <li>Very fast response time</li> </ul>	<ul> <li>Subscriber protection</li> </ul>
<ul> <li>Stable performance over life</li> </ul>	Alarm system
<ul> <li>Very low capacitance</li> </ul>	
<ul> <li>High insulation resistance</li> </ul>	
<ul> <li>RoHS-compatible</li> </ul>	

# **Electrical specifications**

DC spark-over voltage 1)2)	350 ± 20	V %
Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution	< 800 < 750	V
at 1 kV/µs - for 99% of measured values - typical values of distribution	< 900 < 800	V
Service life		
10 operations 50 Hz, 1 s	5	Α
1 operation 50 Hz, 0.18 s (9 cycles)	10	Α
10 operations 8/20 μs	5	kA
1 operation 8/20 μs	10	kA
1 operation 10/350 μs	0.5	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 ~ 60	V A V
Weight	~ 1	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	

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

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

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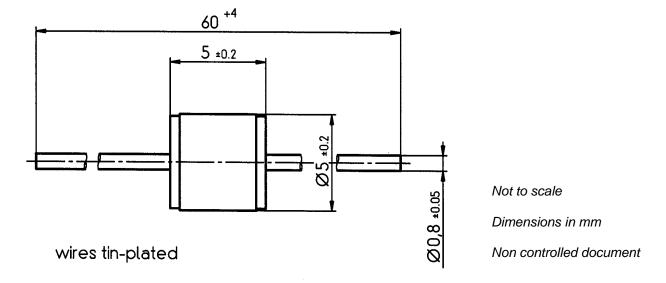


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# **Dimensional drawing**



## **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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