

Surge arrester

2-electrode arrester

Series/Type: EC350X Ordering code: B88069X

Ordering code: B88069X0810S102

Version/Date: Issue 05 / 2007-04-19



Surge arrester B88069X0810S102

EC350X 2-electrode arrester

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

Electrical specifications

DC spark-over voltage 1) 2)	350	V
Do spark-over voltage	± 15	%
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Impulse spark-over voltage 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	5	Α
1 operation 50 Hz, 0.18 s (9 cycles)	20	Α
10 operations 8/20 μs	5	kA
1 operation 8/20 μs	10	kA
1 operation 10/350 μs	1	kA
Insulation resistance at 100 V _{dc}	> 10	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 12	V
Glow to arc transition current	~ 0.8	Α
Glow voltage	~ 80	V
Weight	~ 1.5	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red positive	EPCOS EC 350 YY O	
	EC - Series	
	350 - Nominal voltage YY - Year of production	
	O - Non radioactive	

¹⁾ 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

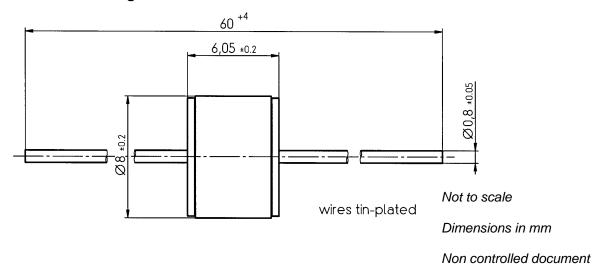
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Dimensional drawing



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event 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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