

Surge arrester

2-electrode arrester

Series/Type: EC600X Ordering code: B88069X

Ordering code: B88069X0780S102

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B88069X0780S102 Surge arrester

2-electrode arrester **EC600X**

Features	Applications	
 Standard size 	AC powerline devices	
 Fast response time 	Consumer electronics	
 High current rating 	Power supply	
 Stable performance over life 		
 Very low capacitance 		
 High insulation resistance 		
 RoHS-compatible 		

Electrical specifications

DC spark-over voltage 1) 2)	540 720	V
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values - typical values of distribution	< 1200 < 1000	V
at 1 kV/µs - for 99% of measured values - typical values of distribution	< 1300 < 1100	V
Service life		
10 operations 50 Hz, 1 s	10	Α
1 operation 50 Hz, 0.18 s (9 cycles)	65	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	EPCOSEC 600 YY O EC - Series 600 - Nominal voltage YY - Year of production O - Non radioactive	

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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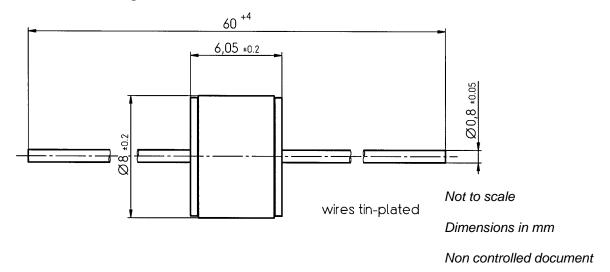


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Dimensional drawing



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in 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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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