

Surge arrester

2-electrode arrester

Series/Type: A71-H16X Ordering code: B88069X6

Ordering code: B88069X6701S102

Version/Date: Issue 01 / 2007-04-10



Surge arrester B88069X6701S102

2-electrode arrester A71-H16X

Features	Applications
 Standard size 	 Consumer electronics
 Fast response time 	
 Stable performance over life 	
 Very low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

DC spark-over voltage 1) 2)		1600 1920	V	
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution		< 2300 < 2200	V	
at 1 kV/μs	- for 99 % of measured values - typical values of distribution	< 2400 < 2300	V V	
Service life				
10 operation	ns 50 Hz, 1 s	10	Α	
1 operation	n 50 Hz, 0.18 s (9 cycles)	65	Α	
10 operation	ns 8/20 μs	5	kA	
1 operation	n 8/20 μs	5	kA	
Insulation resistance at 100 V _{dc}		> 10	$G\Omega$	
Capacitance at 1 MHz		< 1	pF	
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 20 ~ 1 ~ 180	V A V	
Weight		~ 1.5	g	
Operation and storage temperature		-40 +90	°C	
Climatic category (IEC 60068-1)		40/ 90/ 21	40/ 90/ 21	
Marking, green positive		EPCOS 1600 YY O 1600 - Nominal voltage YY - Year of production O - Non radioactive		

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

Terms in accordance with ITU-T Rec. K12 and DIN 57845/VDE0845

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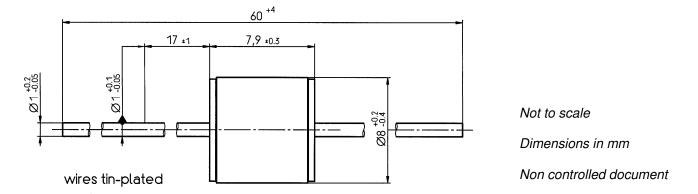
²⁾ In ionized mode



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Dimensional drawing



Cautions and warnings

- 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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