

Surge arrester

2-electrode arrester

Series/Type: EM2000X Ordering code: B88069X5

Ordering code: B88069X5600S102

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



Surge arrester B88069X5600S102

2-electrode arrester EM2000X

Features	Applications
 Very small size 	AC power line devices
 Fast response time 	 Consumer electronics
 Stable performance over life 	Power supply
 Extremely low capacitance 	
 High insulation resistance 	
 RoHS-compatible 	

Electrical specifications

Liectrical specifications		
DC spark-over voltage 1) 2)	2000 ± 20	V %
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution at 1 kV/µs - for 99 % of measured values	< 3400 < 3200 < 4100 < 3800	V V V
- typical values of distribution	< 3000	V
Service life 10 operations 50 Hz, 1 s 3 operations 8/20 µs 1 operation 8/20 µs 300 operations 10/1000 µs	1.5 2 2.5 100	A kA kA A
Insulation resistance at 100 V _{dc}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 11 ~ 0.5 ~ 80	V A V
Weight	~ 1	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1) 40/ 90/21		
Marking, red positive	EPCOSEM 2000 YY (EM - Series 2000 - 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. K.12 and DIN 57845/VDE0845

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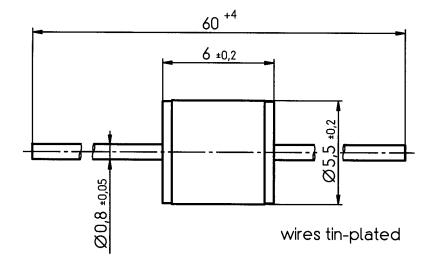
²⁾ In ionized mode



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Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

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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