

Surge arrester

2-electrode arrester

EM300X

Series/Type: Ordering code: B88069X0380 ****

Version/Date: Issue 05 / 2010-05-21



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Features

- Very small size
- Very fast response time
- Stable performance over life
- Extremely low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- AC power line devices
- Consumer electronics
- Power supply

Electrical specifications

Electrical specifications		
DC spark-over voltage 1) 2)	270345	V
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution	< 500 < 450	V
at 1 kV/μs - for 99 % of measured values - typical values of distribution	< 600 < 550	V V
Service life		
10 operations 8/20 μs	2.5	kA
1 operation 8/20 μs	5	kA
Insulation resistance at 100 V _{dc}	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 11 ~ 0.5 ~ 130	V A V
Weight	~ 1	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/21	
Marking, red positive	EPCOS EM 300 YY O EM - Series 300 - 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

²⁾ In ionized mode

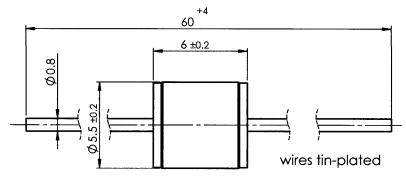


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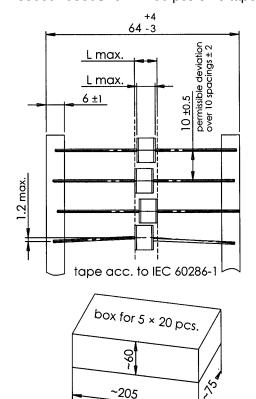
Dimensional drawing in mm

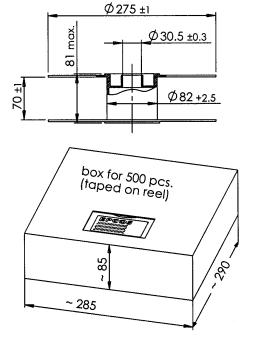


Ordering codes and packing advices

B88069X0380**S102** = 100 pcs on 5 taped stripes

B88069X0380**T502** = 500 pcs on tape and reel





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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