

Surge arrester

2-electrode arrester

Series/Type: EM4000XS

Ordering code: B88069X4251xxxx a)

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

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B88069X4251xxxx a) Surge arrester **EM4000XS** 2-electrode arrester

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

Electrical specifications

DC spark-over voltage 1) 2)	4000	V
20 Spain Cro. Vollage	± 20	%
Impulse spark-over voltage		
at 100 V/µs - for 99 % of measured values - typical values of distribution	< 4800 < 4200	V
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 4900 < 4400	V
Service life		
3 operations 8/20 μs	2	kA
1 operation 8/20 μs	2.5	kA
300 operations 10/1000 μs	100	Α
Insulation resistance at 100 V _{dc}	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	~ 1	Α
Glow voltage	~ 140	V
Weight	~ 1	g
Operation and storage temperature	-40 + 90	°C
Climatic category (IEC 60068-1)	40/ 90/21	
Marking, red positive EPCOSE EM - Seri 4000 - Non YY - Yea O - Non		e ion

xxxx = S102 (100 pcs on 5 taped stripes) = T502 (500 pcs on tape and reel)

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

KB AB E / KB AB PM Issue 02 / 2007-01-12

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

²⁾ In ionized mode

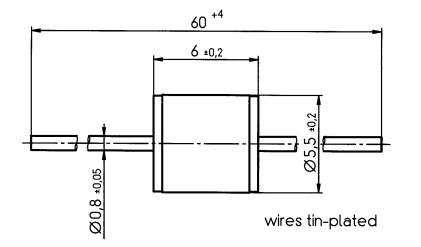


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Dimensional drawing



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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