

Surge arrester

2-electrode arrester

Series/Type: EM400X Ordering code: B88069X

Ordering code: B88069X0200S102

Version/Date: Issue 05 / 2007-01-11



Surge arrester B88069X0200S102

2-electrode arrester EM400X

Features	Applications	
 Very small size 	■ Modem	
 Fast response time 	 XDSL-splitter 	
 Stable performance over life 	■ Tuner	
 Extremely low capacitance 		
 High insulation resistance 		
 RoHS-compatible 		

Electrical specifications

Liectrical specifications		•
DC spark-over voltage 1)2)	400	V
	± 20	%
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values	< 800	V
 typical values of distribution 	< 750	V
at 1 kV/µs - for 99% of measured values	< 900	V
 typical values of distribution 	< 850	V
Service life		
10 operations 50 Hz, 1 s	2.5	Α
10 operations 8/20 μs	2.5	kA
1 operation 10/350 μs	0.5	kA
Insulation resistance at 100 V _{dc}	> 1	$G\Omega$
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 11	V
Glow to arc transition current	~ 0.5	Α
Glow voltage	~ 80	V
Weight	~ 1	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/21	
Marking, red positive	EPCOS EM 400 YY EM - Series 400 - Nominal voltage YY - Year of productio 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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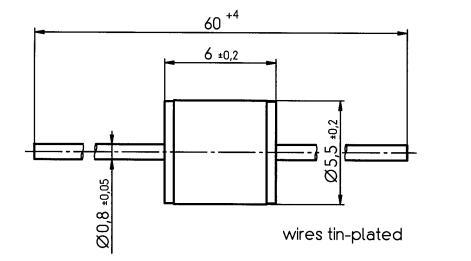
²⁾ In ionized mode



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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 lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.



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