

Surge arrester

2-electrode arrester

Series/Type: EM3600XS

 Ordering code:
 B88069X4241xxxx a)

 Version/Date:
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Surge arrester B88069X4241xxxx a)
2-electrode arrester EM3600XS

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

Electrical specifications

DC spark-over voltage 1) 2)		3600	V
		± 15	%
Impulse spark-over v	oltage		
at 100 V/µs	for 99 % of measured valuestypical values of distribution	< 4350 < 4150	V
at 1 kV/μs	for 99 % of measured valuestypical values of distribution	< 4500 < 4300	V
at 5 kV/μs	for 99 % of measured valuestypical values of distribution	< 5000 < 4500	V
Service life 3)			
10 operations 8/20 μs		2	kA
1000 operat	ions 8/20 μs	100	Α
Insulation resistance	at 100 V _{dc}	> 1	$G\Omega$
Capacitance at 1 MH	z	< 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		EPCOSEM 3600 YY O EM - Series 3600 - Nominal voltage YY - Year of production O - Non radioactive	

a) 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

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

²⁾ In ionized mode

Arrester has to meet: Voltage withstand test AC 1500 V, 1min and AC 1800 V, 1 s

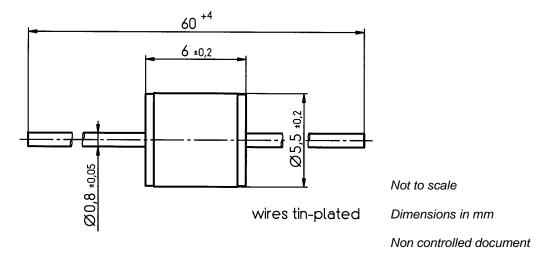


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Dimensional drawing



Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event 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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