



Surge arrester

2-electrode arrester

Series/Type: EM3600XS
Ordering code: B88069X4241xxxx ^{a)}
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Features	Applications
<ul style="list-style-type: none"> ▪ Very small size ▪ Extremely fast response time ▪ Stable performance over life ▪ Extremely low capacitance ▪ High insulation resistance ▪ RoHS-compatible 	<ul style="list-style-type: none"> ▪ Modem ▪ XDSL-splitter ▪ Station protection ▪ Consumer electronics ▪ Tuner

Electrical specifications

DC spark-over voltage ^{1) 2)}	3600 ± 15	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 4350	V
- typical values of distribution	< 4150	V
at 1 kV/μs - for 99 % of measured values	< 4500	V
- typical values of distribution	< 4300	V
at 5 kV/μs - for 99 % of measured values	< 5000	V
- typical values of distribution	< 4500	V
Service life ³⁾		
10 operations 8/20 μs	2	kA
1000 operations 8/20 μs	100	A
Insulation resistance at 100 V _{dc}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	< 1	A
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)

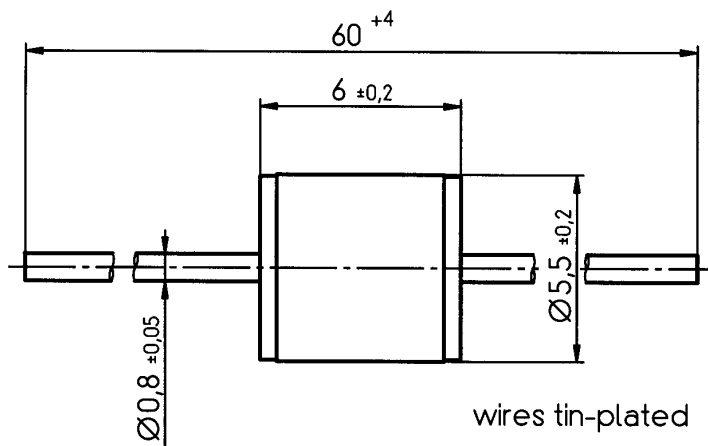
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ Arrester has to meet: Voltage withstand test AC 1500 V, 1min
 and AC 1800 V, 1 s

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

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 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.

Important notes

The following applies to all products named in this publication:

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2. We also point out that **in individual cases, a malfunction of passive electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified**. In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of a passive electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of a passive electronic component.
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