



Surge arrester

2-electrode arrester

Series/Type: EM3600XS
Ordering code: B88069X4241xxxx ^{a)}
Version/Date: Issue 05 / 2006-07-25

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2-electrode arrester

EM3600XS

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

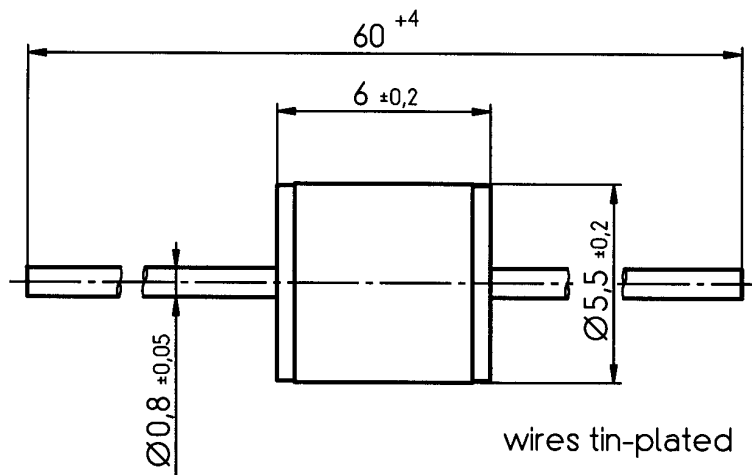
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

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.

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