



Surge arrester

2-electrode arrester

Series/Type: M51-A900X
Ordering code: B88069X6420C102
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2-electrode arrester

M51-A900X

Features	Applications
- Very small size - High current rating - Fast response time - Stable performance over life - Very low capacitance - High insulation resistance - RoHS-compatible	- Branch exchange (MDF) - Subscriber protection - Line protection - Consumer electronics - Alarm systems

Electrical specifications

DC spark-over voltage ^{1) 2)}	900 ± 20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99 % of measured values	< 1700	V
- typical values of distribution	< 1450	V
at 1 kV/μs - for 99 % of measured values	< 1850	V
- typical values of distribution	< 1600	V
Service life		
10 operations 50 Hz, 1 s	2.5	A
1 operation 50 Hz, 0.18 s (9 cycles)	5.0	A
10 operations 8/20 μs	2.5	kA
1 operation 8/20 μs	5.0	kA
1 operation 10/350 μs ³⁾	0.5	kA
Insulation resistance at 100 V _{dc}	> 1	GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A	~ 10	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue negative	EPCOS 900 YY O 900 - Nominal voltage YY - Year of production O - Non radioactive	

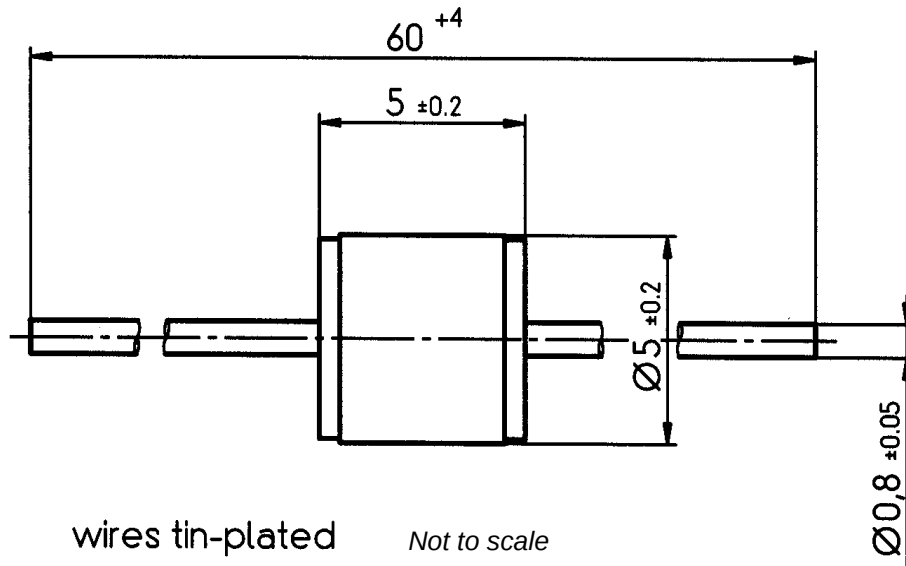
¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ After load: DC spark-over voltage ± 50 %

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 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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