



Surge arrester

2-electrode arrester

Series/Type: EHV62-H25
Ordering code: B88069X1893****
Version/Date: Issue 01 / 2012-09-12

Features

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

Applications

- AC power line devices
- Consumer electronics
- Power supply
- Automotive (Electric and Hybrid Vehicles)

Electrical specifications

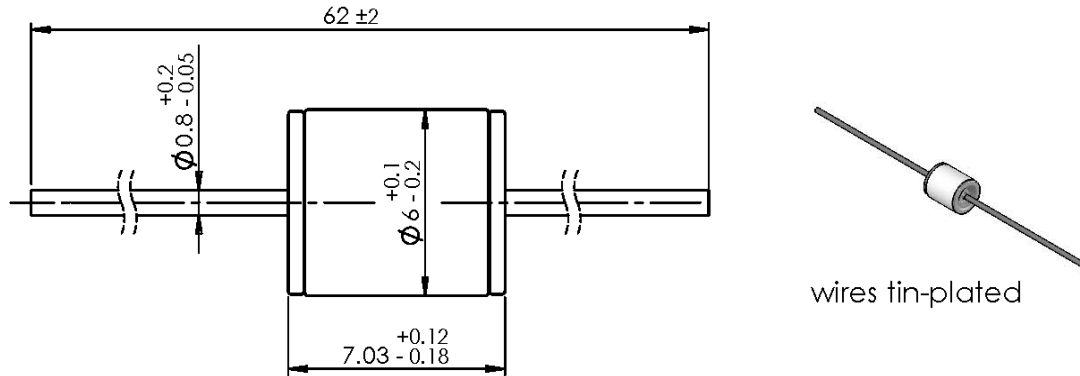
DC spark-over voltage ^{1) 2)}	2500 ±20	V %
Impulse spark-over voltage		
at 100 V/μs - for 99% of measured values - typical values of distribution	< 3300 < 3000	V V
at 1 kV/μs - for 99% of measured values - typical values of distribution	< 3400 < 3100	V V
at 5 kV/μs - for 99% of measured values - typical values of distribution	< 3900 < 3400	V V
Service life ³⁾		
300 operations 8/20 μs	100	A
3 operations 8/20 μs	3	kA
1 operation 8/20 μs	5	kA
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	~ 80	V
Weight	~ 1	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue positive	EPCOS 2500 YY 2500 - Nominal voltage YY - Year of production	

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

²⁾ In ionized mode

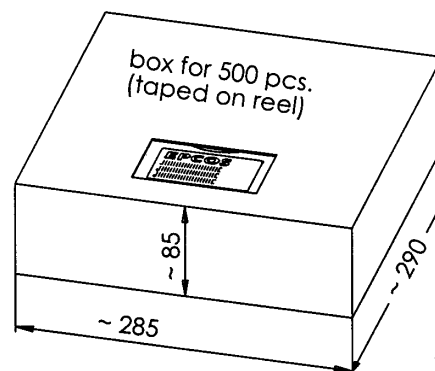
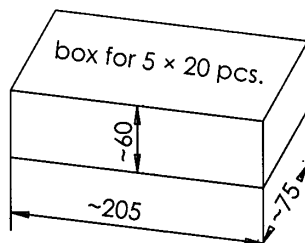
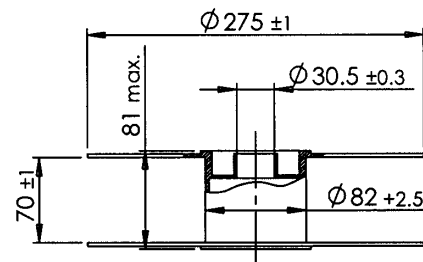
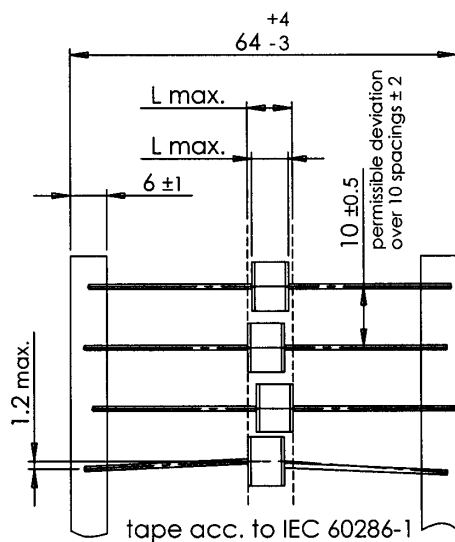
³⁾ After service life arrester has to meet:
Voltage withstand test AC 1250 V, 1 min

Terms in accordance with ITU-T Rec. K.12, IEC 61663-2 and IEC 61643-311.

Dimensional drawing in mm

Ordering codes and packing advices

B88069X1893S102 = 100 pcs. on 5 taped stripes

B88069X1893T502 = 500 pcs. on tape and reel


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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