

Surge arrester

2-electrode arrester

 Series/Type:
 N81-A230X

 Ordering code:
 B88069X4930****

 Version/Date:
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Surge arrester

2-electrode arrester

B88069X4930**** N81-A230X

Features

- Standard size
- Very fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Electrical specifications

Applications

- Line protection
- Consumer electronics

DC spark-over voltage ^{1) 2)}	230	V
	± 20	%
Impulse spark-over voltage		
at 100 V/µs - for 99% of measured values	< 500	V
 typical values of distribution 	< 450	V
at 1 kV/µs - for 99% of measured values	< 700	V
 typical values of distribution 	< 600	V
Service life		
10 operations 50 Hz, 1 s	10	A
1 operation 50 Hz, 0.18 s (9 cycles)	65	A
10 operations 8/20 μs	10	kA
1 operation 8/20 µs	12	kA
1 operation 10/350 μs	1	kA
Insulation resistance at 100 V_{DC}	> 10	GΩ
Capacitance at 1 MHz	< 1.5	pF
Arc voltage at 1 A	~ 15	V
Glow to arc transition current	~ 0.5	A
Glow voltage	~ 60	V
Weight	~ 1.5	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red negative	EPCOS 230 YY O230- Nominal voltageYY- Year of productionO- Non radioactive	

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

²⁾ In ionized mode

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

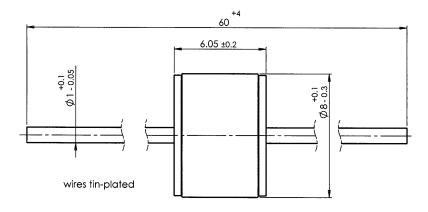


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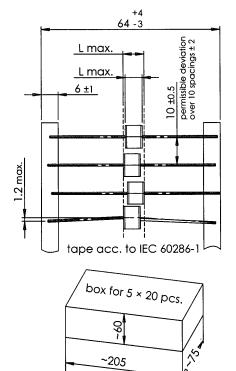
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Dimensional drawing in mm

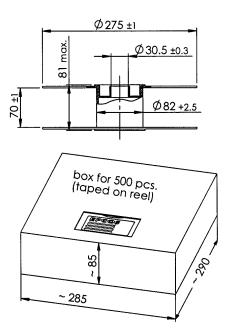


Ordering codes and packing advices

B88069X4930**S102** = 100 pcs. on 5 taped stripes



B88069X4930**T502** = 500 pcs. on tape & 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.

PPD AB PD / PPD AB PM



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