

# Surge arrester

2-electrode arrester

Series/Type: A81-A150X Ordering code: B88069X2840\*\*\*\*

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Surge arrester B88069X2840\*\*\*\*

# 2-electrode arrester A81-A150X

#### **Features**

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

## **Applications**

- Consumer electronic
- Alarm systems

### **Electrical specifications**

DC spark-over voltage 1) 2)		150 ± 20	V %
Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution		< 500 < 450	V
at 1 kV/µs	<ul><li>for 99% of measured values</li><li>typical values of distribution</li></ul>	< 600 < 550	V
Service life			
10 operation	ns 50 Hz, 1 s	20	Α
1 operation	50Hz; 0.18 s	100	Α
10 operations $[5x (+) \& 5x (-)]$ 8/20 µs		20	kA
1 operation 8/20 μs		25	kA
10 operations [5x (+) & 5x (-)] 10/350 μs		3	kA
300 operation	ns 10/1000 µs	200	Α
Insulation resistance at 100 $V_{\text{DC}}$		> 10	$G\Omega$
Capacitance at 1 MHz		< 1.5	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 15 ~ 0.6 ~ 60	V A V
Weight		~ 1.5	g
Operation and storage temperature		-40 +90	°C
Climatic category (IEC 60068-1)		40/ 90 / 21	
Marking, blue negative		EPCOS 150 YY O 150 - Nominal voltage YY - Year of production O - Non radioactive	

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

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

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<sup>2)</sup> In ionized mode

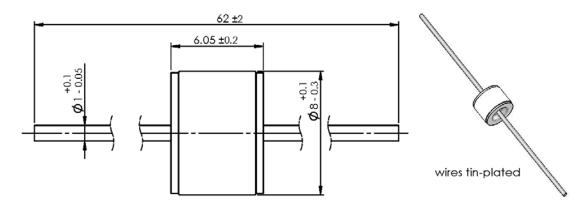


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A81-A150X

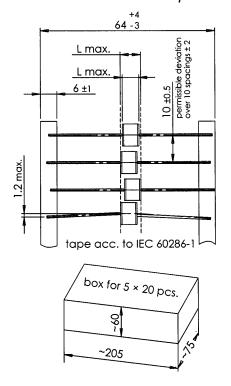
## Dimensional drawing in mm

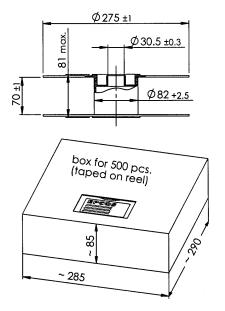


## Ordering codes and packing advices

B88069X2840**\$102** = 100 pcs. on 5 taped stripes

B88069X2840**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).
- If the contacts of the surge arrester are defective, current stress can lead to the formation of sparks and loud noises.
- 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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