

# Surge arrester

2-electrode arrester

 Series/Type:
 EM4500XS

 Ordering code:
 B88069X9271\*\*\*\*

 Version/Date:
 Issue 01 / 2010-05-04

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# Surge arrester

# 2-electrode arrester

**Preliminary data** 

#### 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

Electrical specifications		
DC spark-over voltage <sup>1) 2)</sup>	4500 ± 20	V %
Impulse spark-over voltage at 100 V/µs - for 99 % of measured values - typical values of distribution	< 5200 < 4600	V V
Service life 3 operations 8/20 µs 1 operation 8/20 µs 300 operations 8/20 µs Insulation resistance at 100 V <sub>DC</sub>	2 2.5 100 > 1	kA kA A GΩ
Capacitance at 1 MHz	< 1	pF
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 15 ~ 1 ~ 140	V A V
Weight	~ 1	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/21	
Marking, red positive	EPCOS EM 4500 YY CEM- Series4500- Nominal voltageYY- Year of productionO- Non radioactive	)

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

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

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

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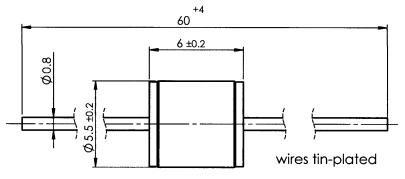
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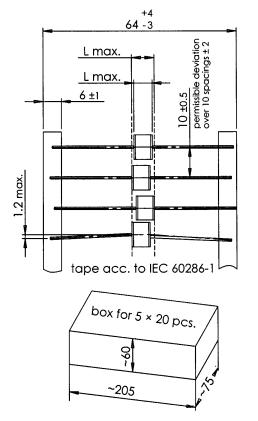
**Preliminary data** 

## Dimensional drawing in mm

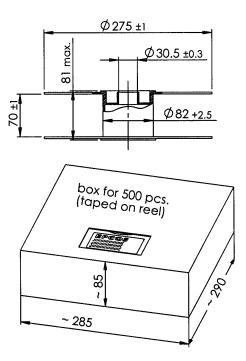


## Ordering codes and packing advices

B88069X9271**S102** = 100 pcs on 5 taped stripes



B88069X9271**T502** = 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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

#### PPD PD AB PD / PPD PD AB PM

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