

# Surge arrester

2-electrode arrester

Series/Type: V10-A500X Ordering code: B88069X44

Ordering code: B88069X4400C251

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Surge arrester B88069X4400C251

#### V10-A500X 2-electrode arrester

Features		Applications
•	Standard size	<ul> <li>AC power lines</li> </ul>
•	Maximum current rating	<ul><li>Class II - requirements</li></ul>
•	Fast response time	
•	Stable performance over life	
•	High insulation resistance	
•	RoHS-compatible	

## **Electrical specifications**

DC spark-over voltage 1) 2)	400 600	V
Impulse spark-over voltage - at 1.2/50 µs, 6 kV, for 99 % of measured values	< 1500	V
Response time - typical values	< 100 < 20	ns ns
Insulation resistance at 100 V <sub>dc</sub>	> 1	GΩ
Class II according to EN 61643-11 Max. continuous operating voltage at 50/60 Hz $U_c$ Nominal discharge current 8/20 $\mu s$ $I_n$ Maximum discharge current 8/20 $\mu s$ $I_{max}$ Follow current at 50/60 Hz $I_f$ AC discharge current (TOV $^3$ ) at 1200 V) 1 operation 50 Hz, 0.2 s	255 20 40 100 300 ~ 8	V <sub>rms</sub> kA kA A <sub>rms</sub>
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, black positive	EPCOS 500 YY O 500 - Nominal volts YY - Year of produ O - Non radioact	uction

<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) TOV – Temporary over voltage

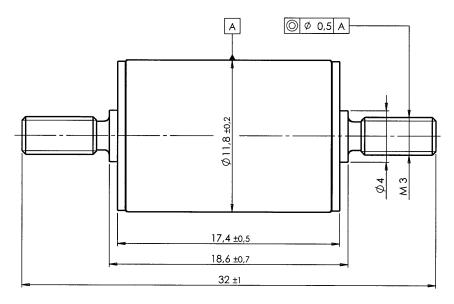
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#### 2-electrode arrester V10-A500X

#### **Dimensional drawing**



nickel -plated

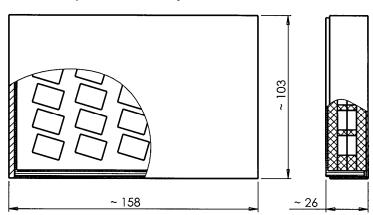
minimize torque charge max. torque = 0.75 Nm Not to scale

Dimensions in mm

Non controlled document

### Packing advice

C251 = 25 pcs on foam tray



### **Cautions and warnings**

- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- If the contacts of the surge arresters 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 head contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

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