

# Surge arrester

2-electrode arrester

 Series/Type:
 V10-A500X

 Ordering code:
 B88069X4400C251

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# Surge arrester

#### 2-electrode arrester

B88069X4400C251 V10-A500X

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

## **Electrical specifications**

DC spark-over voltage <sup>1) 2)</sup>	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 $V_{dc}$	> 1	GΩ
$\begin{array}{c c} \mbox{Class II} & \mbox{according to EN 61643-11} \\ \mbox{Max. continuous operating voltage at 50/60 Hz} & U_c \\ \mbox{Nominal discharge current 8/20 } \mu s & I_n \\ \mbox{Maximum discharge current 8/20 } \mu s & I_{max} \\ \mbox{Follow current at 50/60 Hz} & I_f \\ \mbox{AC discharge current (TOV $^3$) at 1200 V)} \\ & \mbox{1 operation} & \mbox{50 Hz, 0.2 s} \end{array}$	255 20 40 100 300	V <sub>rms</sub> kA kA A <sub>rms</sub>
Weight	~ 8	g
Operation and storage temperature	-40 +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, black positive	<b>EPCOS</b> 500 YY O 500 - Nominal voltage YY - Year of production O - Non radioactive	

At delivery AQL 0.65 level II, DIN ISO 2859
 In ionized mode

<sup>3)</sup> TOV – Temporary over voltage

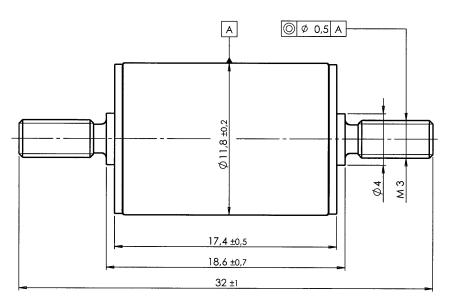


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### **Dimensional drawing**



Not to scale

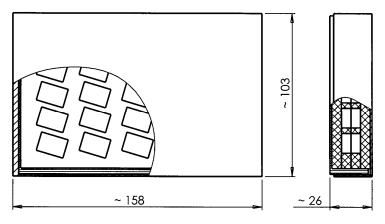
nickel -plated

minimize torque charge max. torque = 0.75 Nm 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.

#### KB AB E / KB AB PM

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