Surge arrester

2-electrode arrester

Series/Type: **V80-A800XP1**
Ordering code: **B88069X9161B501**
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Features

- Standard size
- Maximum current rating
- Fast response time
- Stable performance over life
- High insulation resistance
- RoHS-compatible

Applications

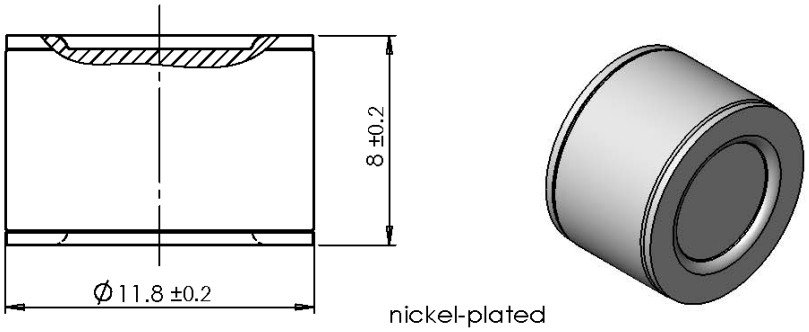
- AC power line
- Class I - requirements

Electrical specifications

DC spark-over voltage [1) 2)]		> 600	V
Front of wave spark-over voltage - at 1.2/50 µs, 6 kV		 < 1500	 V
Response time - typical values		< 100 < 20	ns ns
Insulation resistance at 100 V_{DC}		> 1	GΩ
Class I according to EN61643-11 Max. continuous operating voltage at 50/60 Hz Nominal discharge current 8/20 µs Impulse current 10/350 µs Follow current at 50/60 Hz	 V_c I_n I_{imp} I_f	 264 20 12.5 100	 V_{rms} kA kA A_{rms}
Weight		~ 10	g
Operation and storage temperature		-40 ... +90	°C
Climatic category (IEC 60068-1)		40/ 90/ 21	
Marking, blue positive		**EPCOS** **800 YY O** 800 - Nominal voltage YY - Year of production O - Non radioactive	

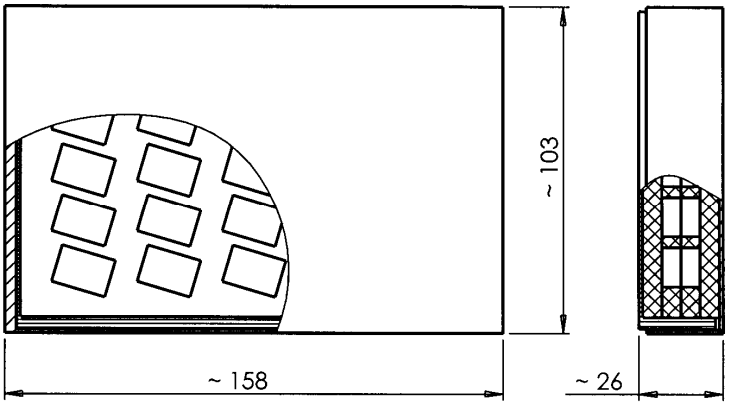
1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode

Dimensional drawing in mm



Ordering code and packing advice

*B88069X9161**B501** = 50 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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