



Surge arrester

2-electrode arrester

Series/Type: V10-A500X
Ordering code: B88069X4400C251
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| Features | Applications |
|--|---|
| <ul style="list-style-type: none"> ▪ Standard size ▪ Maximum current rating ▪ Fast response time ▪ Stable performance over life ▪ High insulation resistance ▪ RoHS-compatible | <ul style="list-style-type: none"> ▪ AC power lines ▪ Class II - requirements |

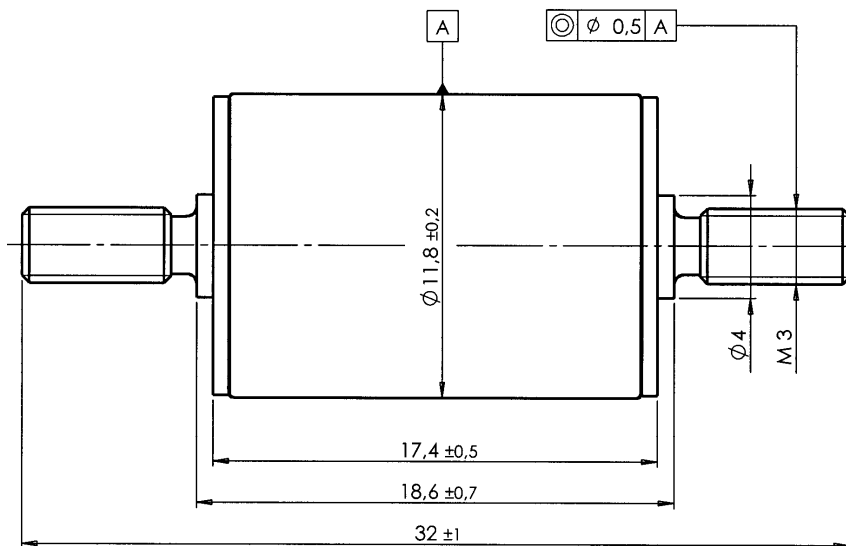
Electrical specifications

| | | | |
|--|------------------|--|------------------|
| DC spark-over voltage ^{1) 2)} | | 400 ... 600 | V |
| Impulse spark-over voltage - at 1.2/50 μ s, 6 kV, for 99 % of measured values | | < 1500 | V |
| Response time - typical values | | < 100 < 20 | ns ns |
| Insulation resistance at 100 V _{dc} | | > 1 | G Ω |
| Class II according to EN 61643-11 | | | |
| Max. continuous operating voltage at 50/60 Hz | U _c | 255 | V _{rms} |
| Nominal discharge current 8/20 μ s | I _n | 20 | kA |
| Maximum discharge current 8/20 μ s | I _{max} | 40 | kA |
| Follow current at 50/60 Hz | I _f | 100 | A _{rms} |
| AC discharge current (TOV ³⁾ at 1200 V) 1 operation 50 Hz, 0.2 s | | 300 | A |
| Weight | | ~ 8 | g |
| Operation and storage temperature | | -40 ... +90 | °C |
| Climatic category (IEC 60068-1) | | 40/ 90/ 21 | |
| Marking, black positive | | EPCOS 500 YY O 500 - Nominal voltage YY - Year of production O - Non radioactive | |

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

²⁾ In ionized mode

³⁾ TOV – Temporary over voltage

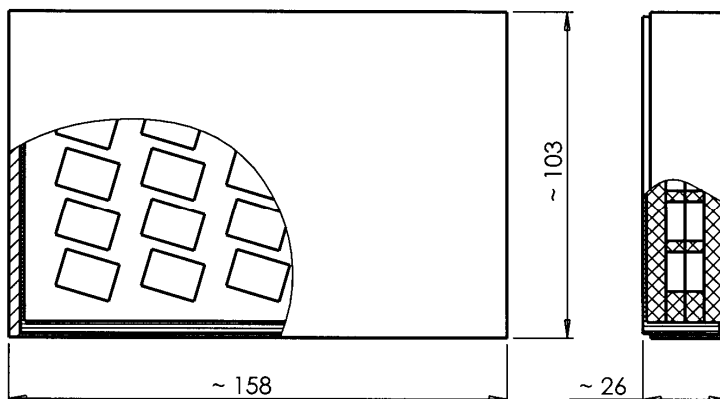
Dimensional drawing


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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