



Surge arrester

2-electrode arrester

Series/Type: A81-A800XP
Ordering code: B88069X5701S102
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| Features | Applications |
|--|---|
| <ul style="list-style-type: none"> ▪ Small size ▪ Very fast response time ▪ Stable performance over life ▪ High insulation resistance ▪ RoHS-compatible | <ul style="list-style-type: none"> ▪ AC power lines ▪ Class II (class C) - requirements |

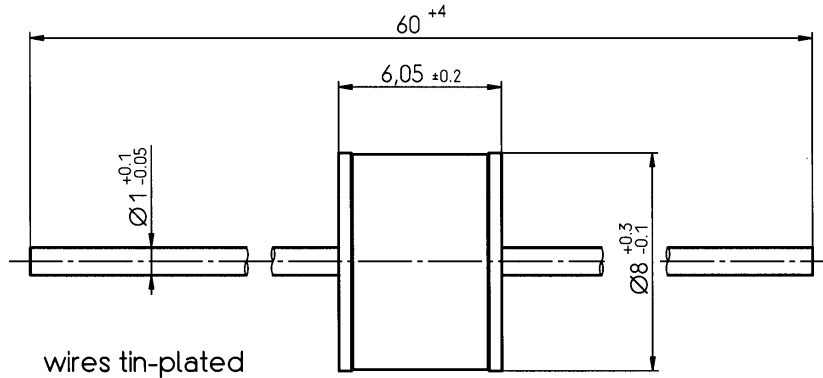
Electrical specifications

| | | |
|--|--|------------------|
| DC spark-over voltage ^{1) 2)} | > 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 10 | kA |
| Maximum discharge current 8/20 μ s | I _{max} 20 | kA |
| Follow current at 50/60 Hz | I _f 100 | A _{rms} |
| Weight | ~ 3 | 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 darkness w/o storage

Dimensional drawing



Not to scale

Dimensions in mm

Non controlled document

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.

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