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Surge arrester

2-electrode arrester

Series/Type: A81-A600X

Ordering code: B88069X2880S102

Version/Date: Issue 04 / 2009-11-12

Features

- Standard size
- Very fast response time
- High current rating
- Stable performance over life
- Very low capacitance
- High insulation resistance
- RoHS-compatible

Applications

- Line protection
- Consumer electronics

Electrical specifications

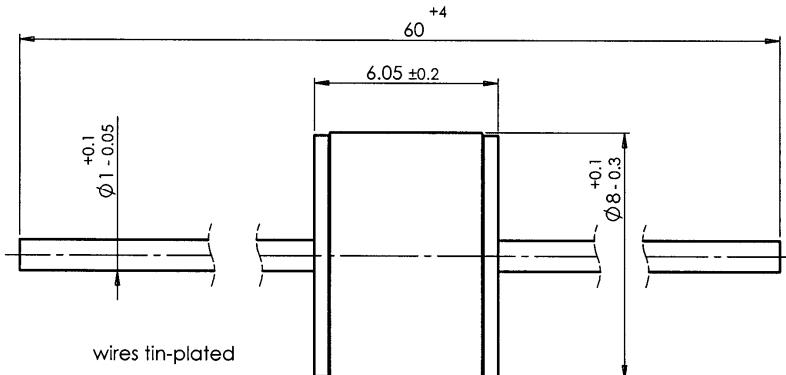
| | | |
|--|--|------------------|
| DC spark-over voltage ^{1) 2)} | 600 ± 20 | V % |
| Impulse spark-over voltage | | |
| at 100 V/μs | - for 99 % of measured values - typical values of distribution | < 1100 < 950 |
| at 1 kV/μs | - for 99 % of measured values - typical values of distribution | < 1400 < 1100 |
| Service life | | |
| 10 operations | 50 Hz, 1 s | 20 |
| 1 operation | 50 Hz, 0.18 s (9 cycles) | 100 |
| 10 operations [5x (+) & 5x (-)] | 8/20 μs | 20 |
| 1 operation | 8/20 μs | 25 |
| 1 operation | 10/350 μs | 2.5 |
| Insulation resistance at 100 V _{dc} | > 10 | GΩ |
| Capacitance at 1 MHz | < 1.5 | pF |
| Arc voltage at 1 A | ~ 10 | V |
| Glow to arc transition current | ~ 0.5 | A |
| Glow voltage | ~ 60 | V |
| Weight | ~ 1.5 | g |
| Operation and storage temperature | -40 ... +90 | °C |
| Climatic category (IEC 60068-1) | 40/ 90/ 21 | |
| Marking, blue positive | EPCOS 600 YY O 600 - Nominal voltage YY - Year of production O - Non radioactive | |

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

²⁾ In ionized mode

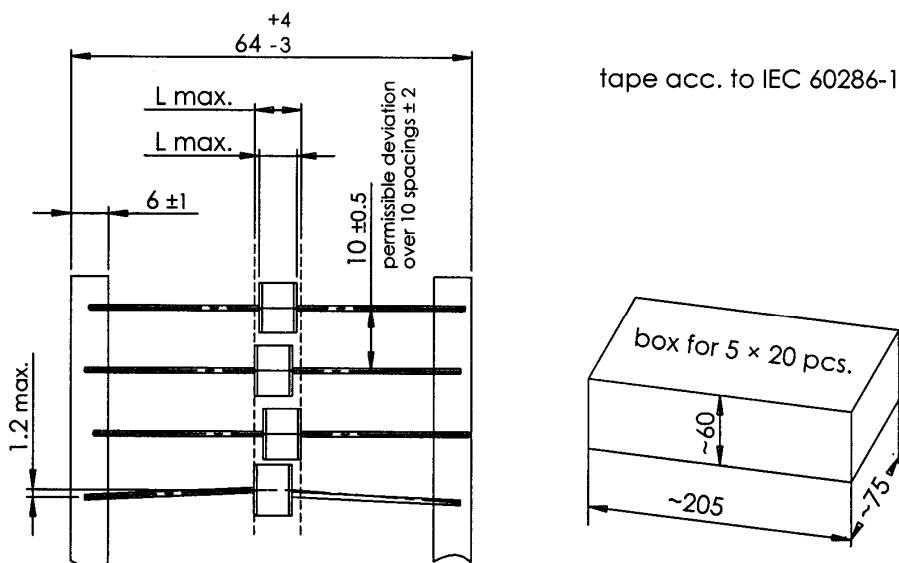
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

Dimensional drawing in mm



Ordering code and packing advice

B88069X2880S102 = 100 pcs on 5 taped stripes



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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