# Surge Arrester

## 3-Electrode-Arrester

| | |
|---|---|
| **Series/Type:** | **T30-A230X** |
| **Ordering code:** | **B88069X3060C253** |
| Date: | 21.05.2002 |
| Version: | Issue 03 |

## Important notes

The following applies to all products named in this publication:

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## Surge Arrester T30-A230X

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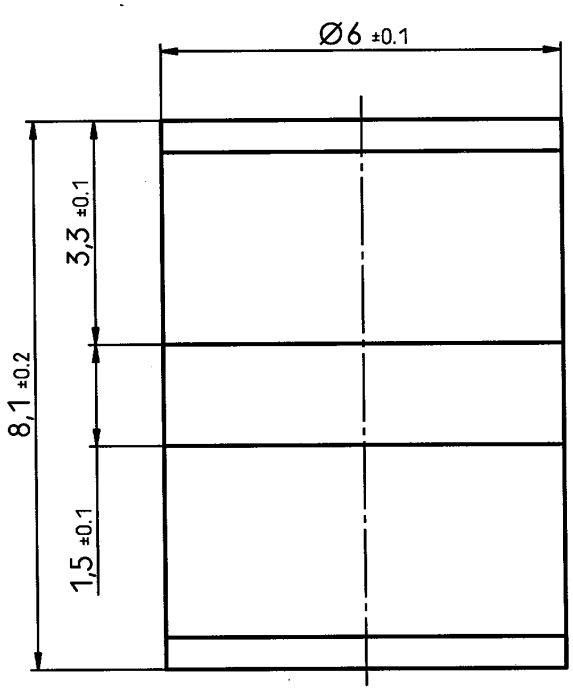
|---|---|---|
| DC spark-over voltage [1) 2) 4)] | 230<br>± 20 | V<br>% |
| Impulse spark-over voltage [4)]<br>at 100 V/µs - for 99 % of measured values<br>- typical values of distribution<br>at 1 kV/µs - for 99 % of measured values<br>- typical values of distribution | <br>< 450<br>< 400<br><br>< 500<br>< 450 | <br>V<br>V<br><br>V<br>V |
| Nominal impulse discharge current (wave 8/20 µs) [5)]<br>Single impulse discharge current (wave 8/20 µs) [5)] | 10<br>10 | kA<br>kA |
| Nominal alternating discharge current (50 Hz, 1 s) [5)]<br>Alternating discharge current (50 Hz, 9 cycles) [5)] | 10<br>30 | A<br>A |
| Insulation resistance at 100 $V_{dc}$ [4)] | > 10 | GΩ |
| Capacitance at 1 MHz [4)] | < 1.5 | pF |
| Transverse delay time [3)] | < 0.2 | µs |
| Arc voltage at 1 A<br>Glow to arc transition current<br>Glow voltage | ~ 30<br>~ 1<br>~ 200 | V<br>A<br>V |
| Weight | ~ 1.2 | g |
| Operation and storage temperature | -40 ... +90 | °C |
| Climatic category (IEC 60068-1) | 40/ 90/ 21 | |
| Marking, blue | **EPCOS**<br>**230 YY O**<br>230 - Nominal voltage<br>YY - Year of production<br>O - Non radioactive | |

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode
3) Test according to ITU-T Rec. K.12
4) Tip or ring electrode to center electrode
5) Total current through center electrode, half value through tip respectively ring electrode.

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




*Not to scale*

*Dimensions in mm*

*Non controlled document*