# Surge Arrester

## 3-Electrode-Arrester

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|---|---|
| **Series/Type:** | **T81-A230XF4** |
| **Ordering code:** | **B88069X9680B252** |
| Date: | 23.05.2002 |
| Version: | Issue 02 |

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**Surge Arrester** **T81-A230XF4**

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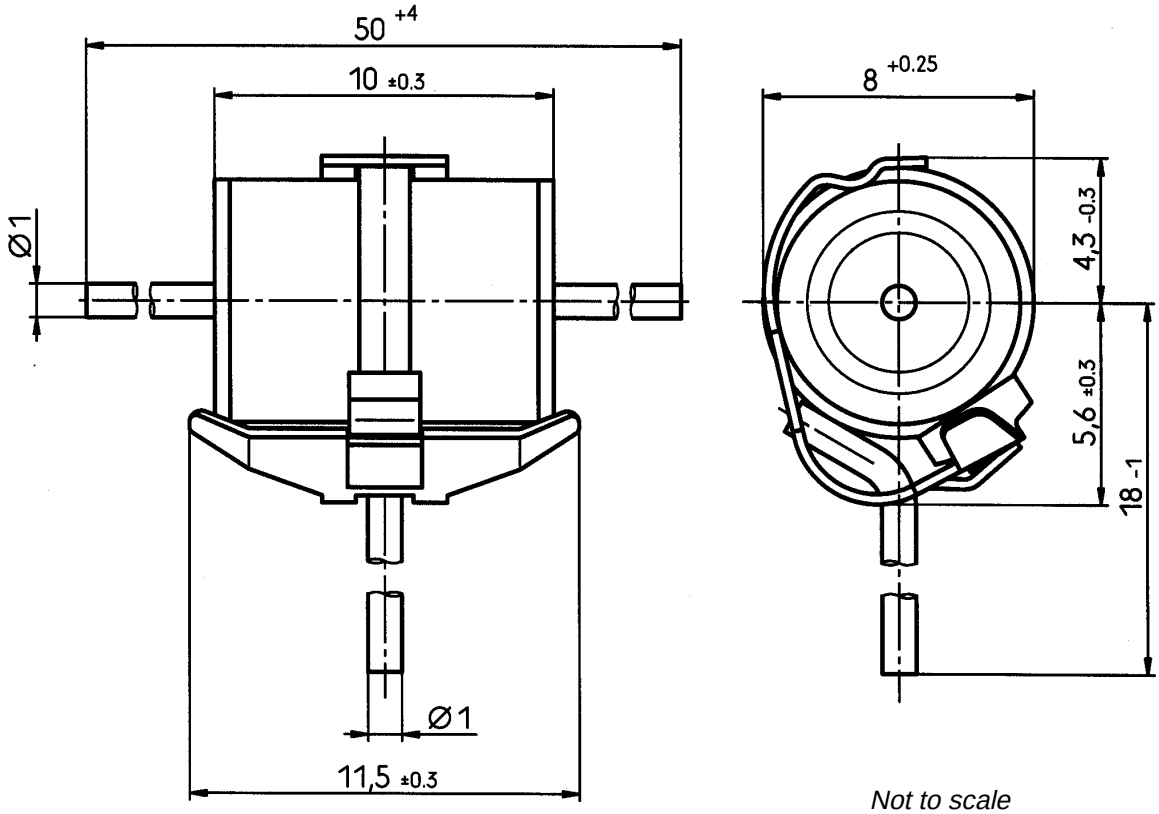
|---|---|---|
| DC spark-over voltage [1) 2) 4)] | 230<br>± 20 | V<br>% |
| Impulse spark-over voltage [4)]<br>at 100 V/µs - for 99 % of measured values<br>- typical values of distribution<br>at 1 kV/µs - for 99 % of measured values<br>- typical values of distribution | <br>< 450<br>< 400<br>< 650<br>< 600 | <br>V<br>V<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>15 | kA<br>kA |
| Nominal alternating discharge current (50 Hz, 1 s) [5)]<br>Alternating discharge current (50 Hz, 9 cycles) [5)] | 10<br>40 | 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 | ~ 35<br>~ 1<br>~ 200 | V<br>A<br>V |
| Weight | ~ 2 | g |
| Storage temperature | -40 ... +90 | °C |
| Climatic category (IEC 60068-1) | 40/ 90/ 21 | |
| Marking, red | 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*

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