



Surge Arrester

3-Electrode-Arrester

Series/Type: T90-A230XF
Ordering code: B88069X6710C253
Date: 28.05.2002
Version: Issue 04

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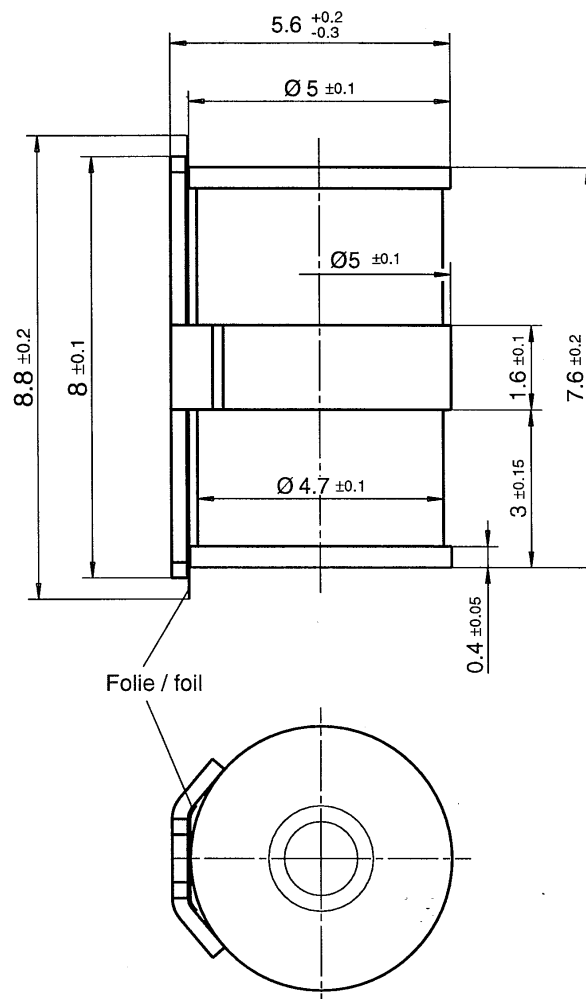
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|---|--|------------------|
| DC spark-over voltage ^{1) 2) 3)} | 184 ... 276 | V |
| DC spark-over voltage ^{2) 4)} | 176 ... 550 | V |
| Impulse spark-over voltage | | |
| at 100 V/ μ s - for 99 % of measured values ³⁾ | < 650 | V |
| - for 50 % of measured values ³⁾ | < 550 | V |
| at 1 kV/ μ s - for 99 % of measured values ³⁾ | < 800 | V |
| - for 50 % of measured values ³⁾ | < 700 | V |
| Insulation resistance at 100 V _{dc} ³⁾ | > 1 | G Ω |
| Capacitance at 1 MHz ³⁾ | < 1.5 | pF |
| Impulse life | | |
| 300 operations 10/1000 μ s ⁵⁾ | 200 | A |
| Nominal impulse discharge current | | |
| 10 operations 8/20 μ s ⁵⁾ | 5 | kA |
| 10 operations 8/20 μ s ⁶⁾ | 5 | kA |
| Nominal alternating discharge current | | |
| 10 operations 50 Hz; 1 s ⁵⁾ | 5 | A _{rms} |
| 10 operations 50 Hz; 1 s ⁶⁾ | 5 | A _{rms} |
| DC hold-over voltage ⁸⁾ | | |
| at 52 V _{dc} / 260 Ω | < 150 | ms |
| at 80 V _{dc} / 330 Ω | < 150 | ms |
| at 135 V _{dc} / 1300 Ω | < 150 | ms |
| Activation after reflow soldering ⁷⁾ | | |
| 1 operation U _{RMS} = 600 V; 1 s | 2 | A |
| Weight | ~ 0.8 | g |
| Storage temperature | -40 ... +90 | °C |
| Climatic category (IEC 60068-1) | 40/ 90/ 21 | |
| Marking, blue | EPCOS 230 YY O 230 - 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) Tip or ring electrode to center electrode
 - 4) Tip to ring electrode
 - 5) Total current through center electrode, half value through tip respectively ring electrode
 - 6) Total current through center electrode, same value through tip respectively ring electrode
 - 7) Total current from ring to tip electrode
 - 8) Test in accordance with ITU-Rec. K.12
- Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE 0845

Arrester fail safe works at temperatures > 260 °C. The arrester has to be fixed mechanically, if the arrester is contacted by soldering and if the solder temperature is less than 260 °C.



Not to scale

Dimensions in mm

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