

## **Surge Arrester**

3-Electrode-Arrester

Series/Type: T83-A230X

Ordering code: B88069X8910B502

Date: 23.05.2002 Version: Issue 03

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| DC spark-over voltage 1) 2) 4)   |  | 230  | V           |
|--|--|--|-------------|
|  |  | ± 20   | %           |
| Impulse spark-over at 100 V/µs   |  | < 450<br>< 400   | V           |
| at 1 kV/µs   | <ul><li>for 99 % of measured values</li><li>typical values of distribution</li></ul> | < 650<br>< 600   | V           |
| Nominal impulse discharge current (wave 8/20 µs) 5) Single impulse discharge current (wave 8/20 µs) 5)                         |  | 10<br>15   | kA<br>kA    |
| Nominal alternating discharge current (50 Hz, 1 s) <sup>5)</sup> Alternating discharge current (50 Hz, 9 cycles) <sup>5)</sup> |  | 10<br>40   | A<br>A      |
| Insulation resistance at 100 V <sub>dc</sub> <sup>4)</sup>   |  | > 10   | GΩ          |
| Capacitance at 1 MHz <sup>4)</sup>   |  | < 1.5  | pF          |
| Transverse delay time 3)   |  | < 0.2  | μs          |
| Arc voltage at 1 A Glow to arc transition current Glow voltage   |  | ~ 35<br>~ 1.0<br>~ 200   | V<br>A<br>V |
| Weight   |  | ~ 2  | g           |
| Operation and storage temperature  |  | -40 +90  | °C          |
| Climatic category (IEC 60068-1)  |  | 40/ 90/ 21   |             |
| Marking, red   |  | EPCOS 230 YY O 230 - Nominal voltage YY - Year of production O - Non radioactive |             |

At delivery AQL 0.65 level II, DIN ISO 2859

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

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In ionized mode

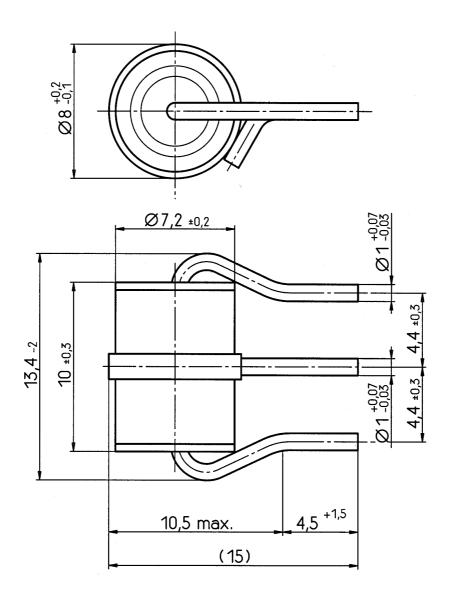
<sup>3)</sup> Test according to ITU-T Rec. K.12
4) Tip or ring electrode to center electrode
5) Total current through center electrode, half value through tip respectively ring electrode.



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Not to scale

Dimensions in mm

Non controlled document

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