Surge Arrester

3-Electrode-Arrester

Series/Type:	**T83-A420X**
Ordering code:	**B88069X7960B502**
Date:	23.05.2002
Version:	Issue 04

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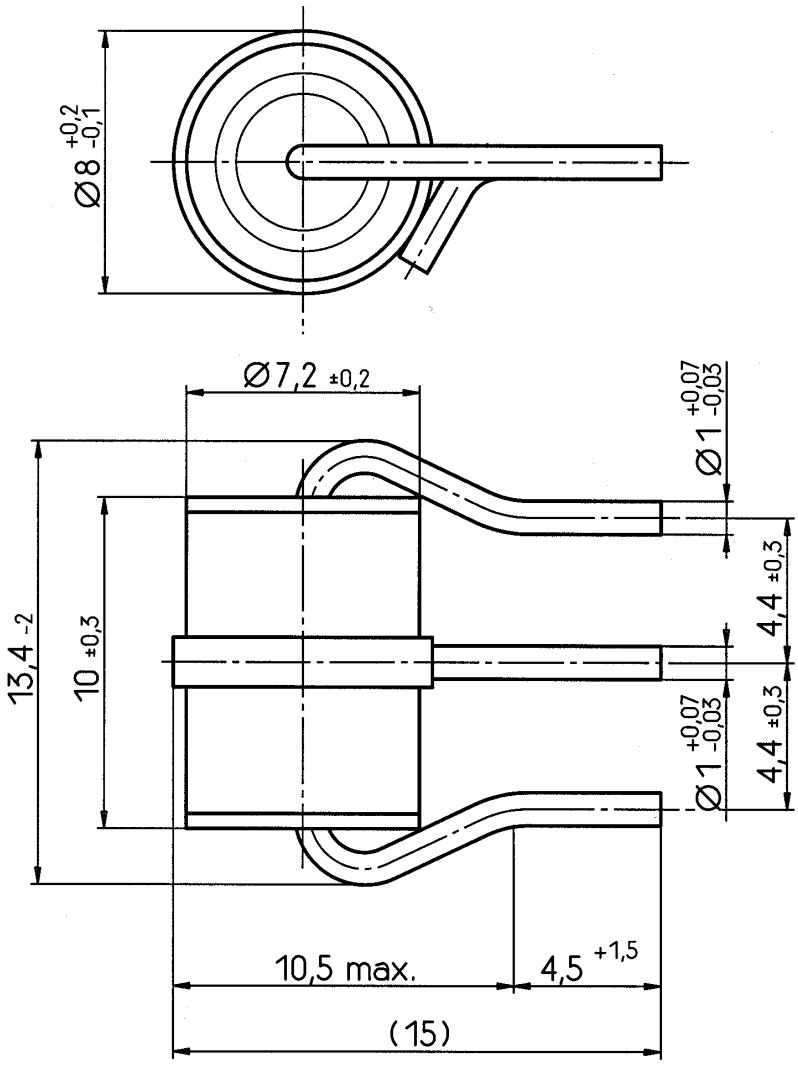
Surge Arrester — T83-A420X

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DC spark-over voltage [1) 2) 4)]	420 ± 20	V %
Impulse spark-over voltage [4)] at 100 V/µs - for 99 % of measured values - typical values of distribution at 1 kV/µs - for 99 % of measured values - typical values of distribution	 < 850 < 700 < 950 < 850	 V V V V
Nominal impulse discharge current (wave 8/20 µs) [5)] Single impulse discharge current (wave 8/20 µs) [5)]	10 15	kA kA
Nominal alternating discharge current (50 Hz, 1 s) [5)] Alternating discharge current (50 Hz, 9 cycles) [5)]	10 40	A 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 Glow to arc transition current Glow voltage	~ 30 < 1 ~ 200	V A V
Weight	~ 2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red	EPCOS **420 YY M O** 420 - Nominal voltage YY - Year of production M - Month of production (1 ... 9 = Jan ... Sep; O ... D = Oct ... Dec) 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

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