



Surge Arrester

3-Electrode-Arrester

Series/Type: T60-A420X
Ordering code: B88069X6980C203
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DC spark-over voltage ^{1) 2) 3)} at 100 V/s at 100 kV/s	330 ... 600 350 ... 620	V V
Impulse spark-over voltage ³⁾ at 1 kV/μs - for 99 % of measured values	350 ... 850	V
Insulation resistance at 100 V _{dc} ³⁾	> 10	GΩ
Capacitance at 1 MHz ³⁾	< 1.5	pF
Service life ⁸⁾		
300 operations 10/1000 μs, alternating polarity ⁴⁾	400	A
300 operations 10/1000 μs, alternating polarity ⁵⁾	200	A
10 operations 8/20 μs ⁴⁾	20	kA
10 operations 8/20 μs ⁵⁾	10	kA
20 operations 50 Hz; 1 s ^{4) 6)}	20	A _{rms}
20 operations 50 Hz; 1 s ^{5) 6)}	10	A _{rms}
200 operations 50 Hz; 1 s ^{5) 7)}	1	A _{rms}
DC holdover voltage ⁸⁾ at 80 V _{dc} / 600 Ω at 120 V _{dc} / 600 Ω	< 150 < 150	ms ms
Weight	~ 3.0	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, blue	EPCOS 420 YY O 420 - 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

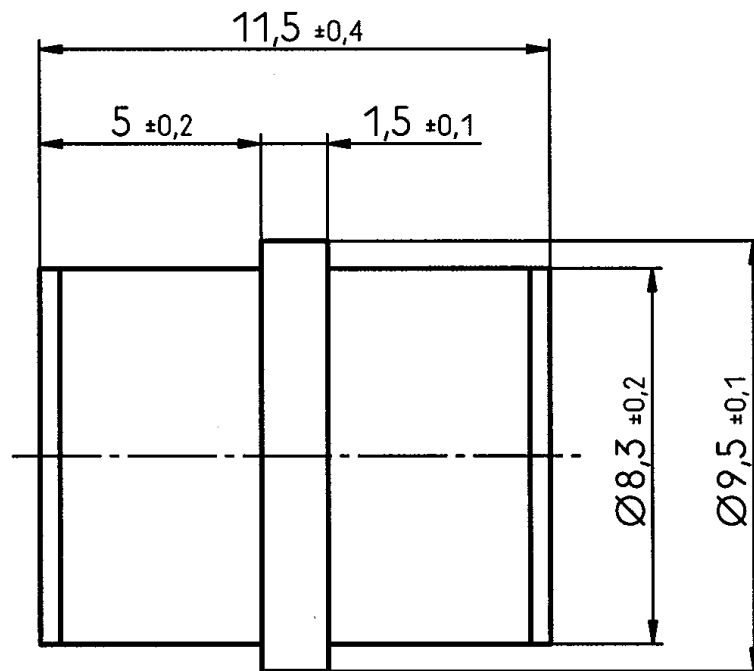
⁴⁾ Total current through center electrode, half value through tip respectively ring electrode

⁵⁾ Total current through center electrode, same value through tip respectively ring electrode

⁶⁾ Test program: 10 times (1 s current, 2 s break, 1 s current) 6 min break

⁷⁾ Test program: 100 times (1 s current, 2 s break, 1 s current) 6 min break

⁸⁾ Test in accordance with CNET; STC 93-6513 (24.07.90)



Not to scale

Dimensions in mm

Non controlled document