

DC spark-over voltage ^{1) 2) 4)}	90 ± 20	V %
Impulse spark-over voltage ⁴⁾		
at 100 V/μs - for 99 % of measured values	< 400	V
- typical values of distribution	< 300	V
at 1 kV/μs - for 99 % of measured values	< 550	V
- typical values of distribution	< 450	V
Nominal impulse discharge current (wave 8/20 μs) ⁵⁾	10	kA
Single impulse discharge current (wave 8/20 μs) ⁵⁾	15	kA
Nominal alternating discharge current (50 Hz, 1 s) ⁵⁾	10	A
Alternating discharge current (50 Hz, 9 cycles) ⁵⁾	40	A
Insulation resistance at 50 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	~ 10	V
Glow to arc transition current	~ 1	A
Glow voltage	~ 60	V
Weight	~ 2	g
Operation and storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	
Marking, red	EPCOS 90 YY O 90 - Nominal voltage YY - Year of production O - Non radioactive	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

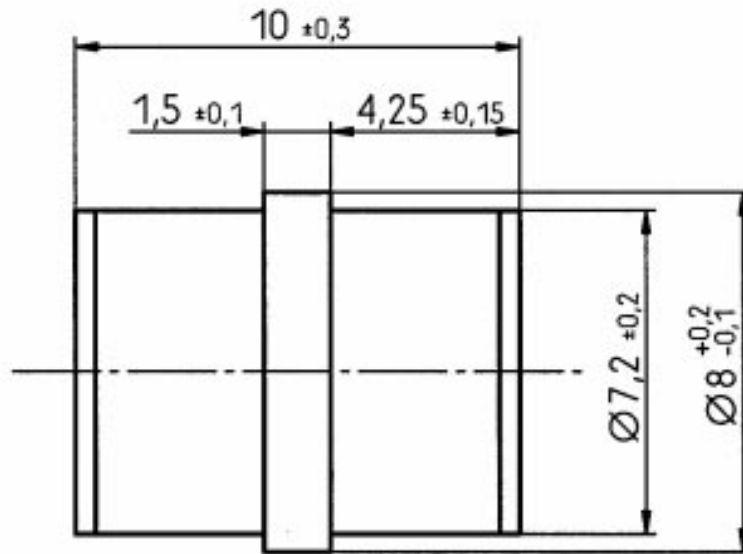
²⁾ In ionized mode

³⁾ 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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