

DC spark-over voltage ^{1) 2) 3)}	230 ± 20	V %
Impulse spark-over voltage ³⁾		
at 100 V/μs - for 99 % of measured values	< 580	V
- typical values of distribution	< 460	V
at 1 kV/μs - for 99 % of measured values	< 750	V
- typical values of distribution	< 600	V
Insulation resistance at 100 V _{dc} ³⁾	> 1	GΩ
Capacitance at 1 MHz ³⁾	< 1.5	pF
Service life according to ITU-T-Rec. K.12		
300 operations 10/1000 μs ⁴⁾	200	A
1 operation 10/350 μs ⁴⁾	2	kA
10 operations 8/20 μs ⁴⁾	5	kA
10 operations 8/20 μs ⁵⁾	5	kA
10 operations 50 Hz; 1 s ⁴⁾	5	A _{rms}
10 operations 50 Hz; 1 s ⁵⁾	5	A _{rms}
Service life according to Telebras SDT 235-430-708		
120 operations 10/1000 μs ⁴⁾	50	A
20 operations 10/1000 μs ⁴⁾	100	A
6 operations 10/1000 μs ⁴⁾	200	A
2 operations 10/1000 μs ⁶⁾	200	A
2 operations 10/1000 μs ⁶⁾	1	kA
10 operations 50 Hz; 1 s ⁴⁾	2	A _{rms}
1 operation 50 Hz; 0.33 s ⁴⁾	20	A _{rms}
DC holdover voltage ⁷⁾		
at 52 V _{dc} / 260 Ω	< 150	ms
at 80 V _{dc} / 330 Ω	< 150	ms
at 135 V _{dc} / 1300 Ω	< 150	ms
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	~ 0.8	g
Storage temperature	-40 ... +90	°C
Climatic category (IEC 60068-1)	40/ 90/ 21	

Marking, blue

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230 YY O

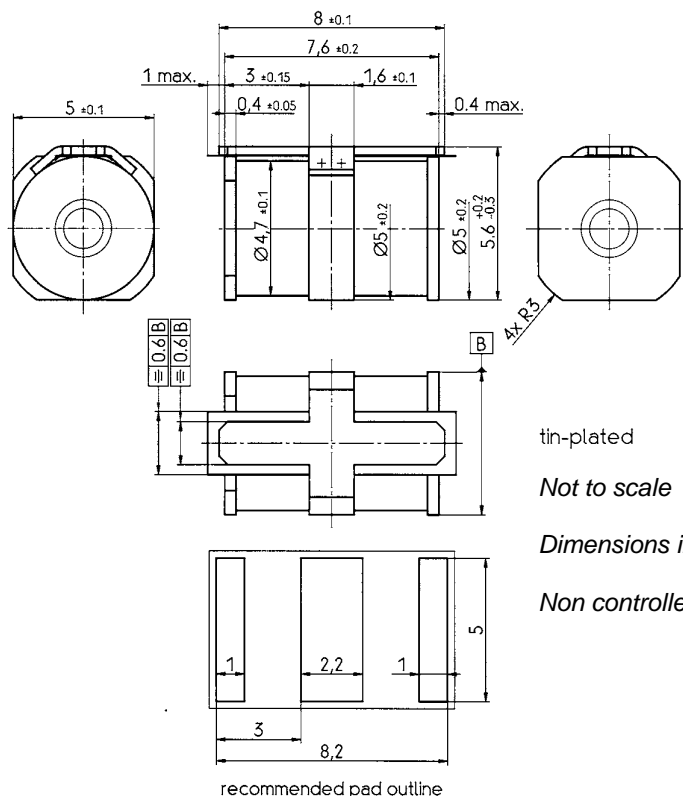
 230 - Nominal voltage
 YY - Year of production
 O - Non radioactive

- 1) At delivery AQL 0.65 level II, DIN ISO 2859
- 2) In ionized mode
- 3) Tip or ring electrode to center electrode
- 4) 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; in addition to ITU-T-Rec. K.12
- 6) 1 operation for each gap; total current through center electrode; same value through tip respectively ring electrode
- 7) Test according to ITU-T-Rec. K.12

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

The arrester failsafe mechanism contains a insulating foil with a melting temperature of 260 °C.

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.



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