

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

EPCOS
230 YY O

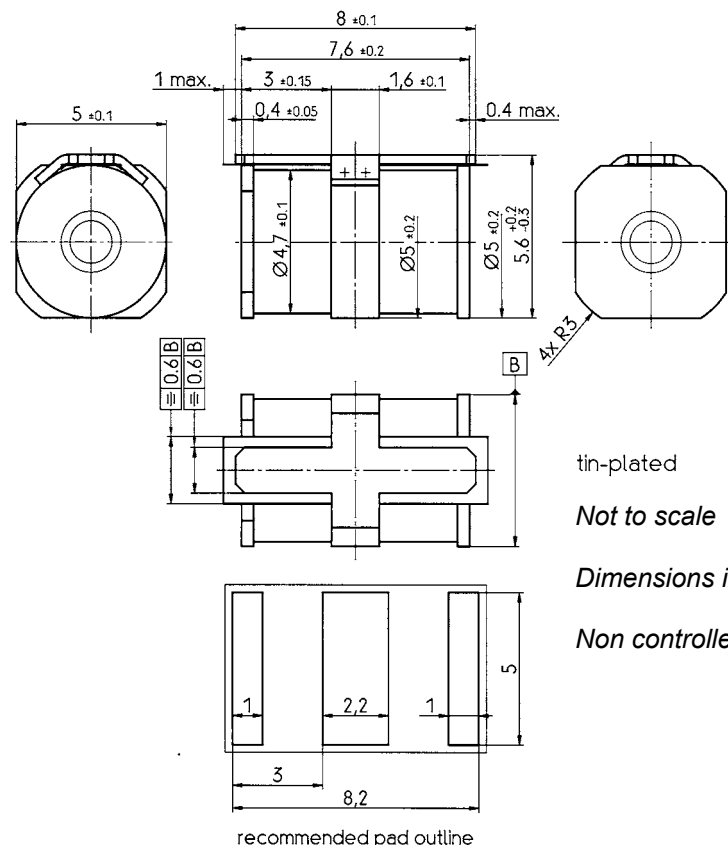
230 - Nominal voltage
YY - Year of production
O - Non radioactive

- 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.



© EPCOS AG 2002. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.