



Switching Spark Gap

Series/Type:	CAS02X-071
Ordering code:	B88069X0710T502
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CAS02X-071

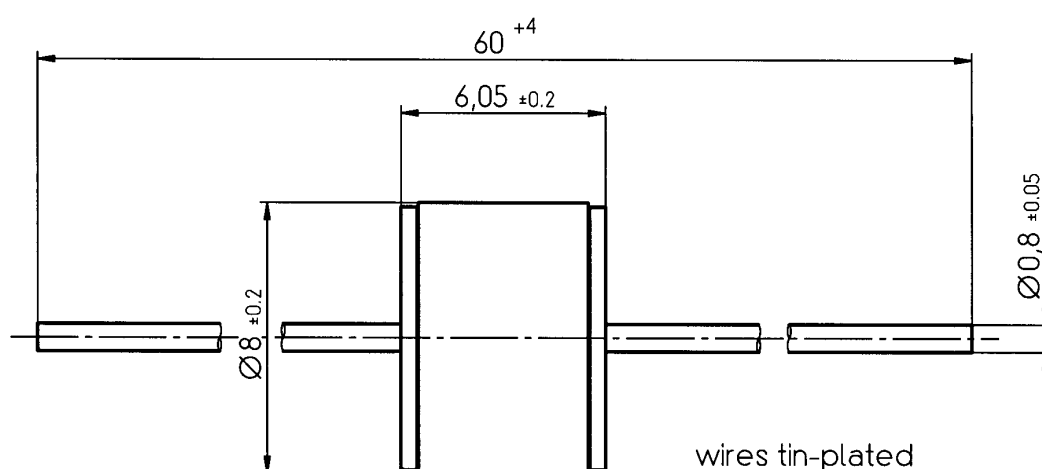
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DC spark-over voltage ^{1) 2)}	215 ... 255	V
Initial values		
Ignition time t_i after 150 hours in darkness ³⁾	95 99.9 100	%
at -20 °C	≤ 4	≤ 5
at +25; 125 °C	≤ 2	≤ 3
Electrical life time A		
Maximum increase of DC spark-over voltage	25	V
Switching operations at +25; 125 °C		
Switching frequency 10 ... 25 Hz	2 000 000	Ignitions
Switching frequency < 10 Hz	4 000 000	Ignitions
Test circuit parameters; 1 s ON, 10 s OFF		
Open circuit voltage V_0	230	V_{ac}
Loading resistance R	15	kΩ
Discharge capacitance C	2.2	μF
Inductance L	10	μH
Discharge peak current I_P	~ 300	A
Electrical life time B		
Switching operations at +25 °C		
Switching frequency 1000 Hz	600 000	Ignitions
Test circuit parameters; 1 cycle 10 min ON		
Open circuit voltage V_0	230	V_{ac}
Loading resistance R	1.5	kΩ
Discharge capacitance C	0.1	μF
Inductance L	7	μH
Discharge peak current I_P	~ 300	A
Insulation resistance at 100 V_{dc}	> 0.1	GΩ
Capacitance at 1 MHz	< 2	pF
Weight	~ 1.5	g
Operation and storage temperature	-20 ... +125	°C
Climatic category (IEC 60068-1)	20/ 125/ 21	
Marking, red	EPCOS CS 230 YYMM O CS - Series 230 - Nominal voltage YY - Year of production MM - Month of production O - Non radioactive	

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

²⁾ In ionized mode, after load

³⁾ Time from capacitor charged to the first high voltage spark
Test circuit: $V_{ac} = 198$ V; $R = 36$ kΩ; $C = 2.2$ μF



wires tin-plated

Not to scale

Dimensions in mm

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