

Switching spark gap

SSG with lead wires

 Series/Type:
 CAS02X-068

 Ordering code:
 B88069X0680T502

 Version/Date:
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Features	Applications
 Extremely long life time 	Ignition circuits
 Stable performance over life 	
 Insensitive performance against variations in temperature 	
 Low switching losses 	
 Very short breakdown time 	
 High reliability by robust design 	
RoHS compatible	

Electrical specifications

DC spark-over voltage ^{1) 2)}	200	200 255		
Initial values				
Ignition time t _l after 150 hours in darkness $^{3)}$	95	99.9	100	%
at –20 ℃ at +25; 125 ℃	≤ 4 ≤ 2	≤ 5 ≤ 3	≤ 7 ≤ 4	S S
Electrical life time		I		
Maximum increase of DC spark-over voltage	25		V	
Switching operations at +25; 125 ℃ Switching frequency 10 25 Hz Switching frequency < 10Hz	2 000 4 000		Ignitions Ignitions	
Test circuit parameters Open circuit voltage V _{0'} Loading resistance R Discharge capacitance C Inductance L Discharge peak current I _P	230 15 2.2 10 ~ 300	15 2.2 10		
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/ 12	20/ 125/ 21		
Marking, red positive	EPC CS 230 YY MM O	230- Nominal voltageYY- Year of productionMM- Month of production		



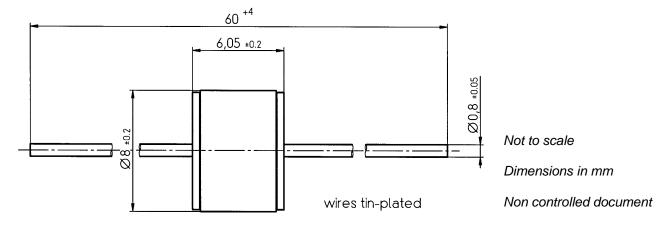
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- At delivery AQL 0.65 level II, DIN ISO 2859
 In ionized mode, after load
- 3) Time from capacitor charged to the first high voltage spark Test circuit: $V_{ac} = 198$ V; R = 36 k Ω ; C = 2.2 μ F

Dimensional drawing



Cautions and warnings

- Switching spark gaps may be used only within their specified values.
- Damaged switching spark gaps must not be re-used.



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