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Switching Spark Gap

FS1X-1G

Series/Type: FS1X-1G Ordering code: B88069X3350T502

Date: Version: 30.04.2002 Issue 03

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Nominal breakdown voltage V_N	1000	V
Initial values ²⁾ Static breakdown voltage V _S ¹⁾ First ignition value V _{S, FTE} after 24 hours in darkness Following ignition values V _{S, FIV}	≤ 1150 900 1130	VVV
$\begin{array}{l} \mbox{Electrical life time } ^{3)} \\ \mbox{Breakdown voltage } V_{B} \\ \mbox{First ignition value } V_{B,FTE} \mbox{ after 24 hours in darkness} \\ \mbox{Ignition time } t_{I} \mbox{ at } V_{0} \mbox{ during life} \\ \mbox{Following ignition values } V_{B,FIV} \end{array}$	≤ 1400 ≤ 60 850 1150	V ms V
Switching operations at – 40 °C at + 25; +125 °C	100 000 200 000	Ignitions Ignitions
Test circuit parameters Open circuit voltage V ₀ Loading resistance R Discharge capacitance C Inductance L Discharge peak current I _P	1400 110 68 0.5 ~ 400	V kΩ nF μH A
General technical data Insulation resistance at 100 V Early ignition values between 600 850 V Breakdown time Maximum switching frequency Maximum loading current Weight	> 100 ≤ 1 ≤ 50 400 50 ~ 2	MΩ % ns Hz mA g
Marking, blue	EPCOS 1000 WWY O 1000 - Nominal voltage WW - Calendar week of production Y - Year of production O - Non radioactive	

At delivery AQL 0,65 level II, DIN ISO 2859 Page 2, Fig. 1 and 2 Page 2, Fig. 3 and 4 1) 2)

3)

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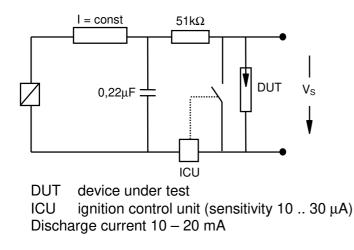


Fig. 3: QC- test circuit (sampling inspection at 25 °C)

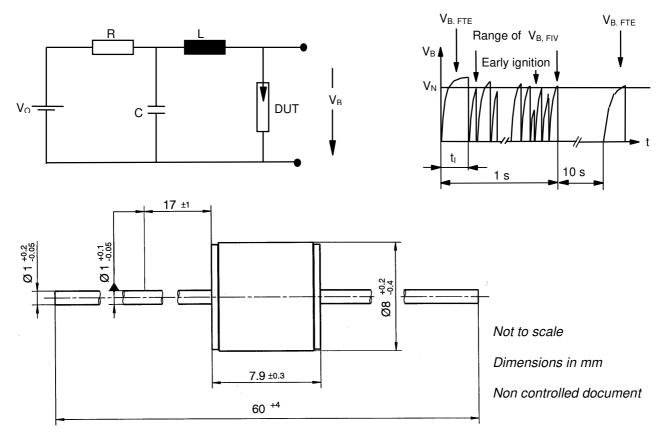


Fig. 1: QC- test circuit (100% outgoing inspection)

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Fig. 4: Explanation of measurands

Fig. 2: Explanation of measurands

