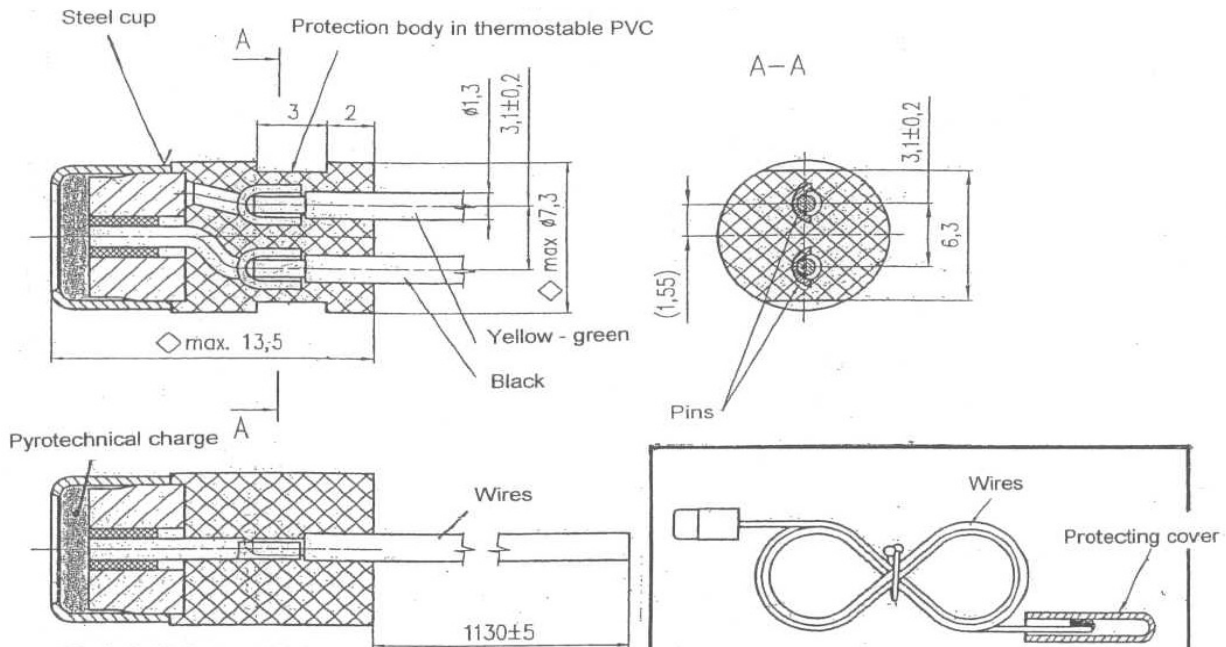


**TECHNICAL DATASHEET “SQUIB GSF/GST-22 WITH WIRES” and “SQUIB GSF/GST-14 WITH WIRES” and “SQUIB GSF/GST-44 WITH WIRES”**  
 (Dimensions in mm)



**Technical characteristics**

Gas Generator	Squibs “GSF/GST-22 with wires” or “GSF/GST-14 with wires” or “GSF/GST-44 with wires”
Bridgewire resistance (range -40 to + 85 °C)	2,2 ± 0,4 Ω
Max No Fire Current (at + 85 °C, reliability 99,9999%, confidence 95% according VW specification)	0,4 A / 10 s
Minimum All Fire Current at 20 °C , not limited time of power supply	0,8 A / 1 s minimum
Minimum All Fire Current Test of Bruceton (-40 °C, reliability 99,9999%, confidence 95% according VW specification)	1,2 A / 2 ms
Recommended series firing current	≥ 1,75 A / 2 ms
Constant monitor current DC during 1000 hrs in mA	160
High current test 2 ms (A)	40
Insulation resistance in MΩ	> 50
ESD sensitivity	± 25 kV / 150 pF / 500 Ω
Operating temperature	from - 40 to + 90 °C
High temperature storage	107 °C for 408 hrs / 125 °C for 12 hrs
Thermal Shock	+107 °C/40 min, -40 °C/40 min, 25 cycles
EMI endurance	10 – 1500 MHz. Absorbed power withstand 3W for a duration of 60 s
Shelf /Storage life at least	15 years
Net weight of the pyrotechnic charge (NEQ)	for GSF/GST-22: 50 ± 5 mg for GSF/GST-14: 70 ± 5 mg for GSF/GST-44: 110 ± 5 mg
Qualità System of the manufacturer	ISO TS 16949
Qualified according specifications	AKLV - 16
EC mark certificate (Direttive 2007/23/EC)	Registration no.: <b>1395-P1-0124/2010</b>
Transport approval	1.4S – n. ONU 0432 (Pyrotechnic articles for technical purposes)
Wires in tin plated copper 0,35 mm <sup>2</sup> , length 1130 ± 5 mm, insulation in thermostable PVC, outer diameter 1,3 mm <b>The green/yellow wire is electrically connected with the steel cup of the squib</b>	