

Revision					
Area	Rev.	Description	Date	Drawin	Approved

SPECIFICATION

MECHANICAL CONFIGURATION PERFORMANCE CHARACTERISTICS

OPERATION:

M3D IS A MULTI-AXIAL FORCE CONTROL GRIP, PROVIDING A 6 DOF CONTROL DISPLACEMENT AND ROTATION (Ux, Uy, Mx, My, Mz), REFERRED TO 3 MUTUALLY PERPENDICULAR AXIS.

OPERATION FORCE/TORQUE (LINEAR RANGE):

22N (Ux, Uy), 45N (Uz), 0.85Nm (Mx, My), 1.7Nm (Mz), 1.5N (p,t)

MASS: 1.5Kg MAX

MATERIAL:

ALLOY, 6082 T6

PROTECTION: ALODYNE 1200S - MIL C 5541E

FINISH: PRIMER EPOXY 37063 (PRF. MIL-P-53022)

COATING: EPOXY 15F4 27925 (PRF MIL-C-22750)

2 LAYER SEMIGLOSS FINISH.

POWER INPUT: 5VDC@200mA MAX

OUTPUT: RS"422", 8 BIT/AXIS, 19200 BAUND MAX

IDENTIFICATION LABEL; MANUFACTURER, P/N, S/N, DATE.

RELIABILITY/ENVIRONMENTAL:

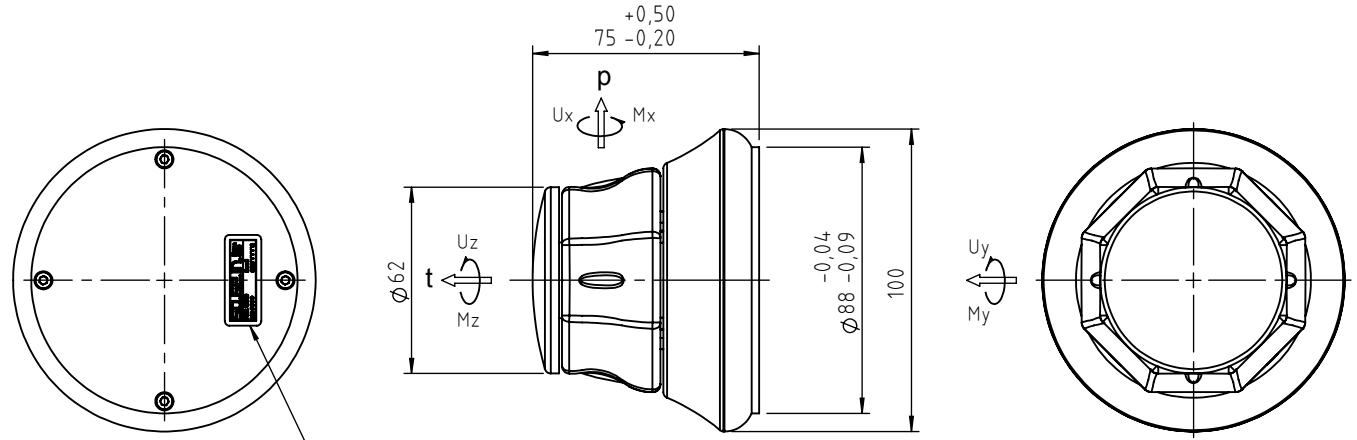
NOTE: THIS DEVICE IS NOW SUITABLE FOR EXPERIMENTAL APPLICATION ONLY, AT TIME, IT HAS NOT BEEN TESTED NOR QUALIFIED OR FOR HIGHT REABILITY OR EXTENDED LIFE APPLICATION.

INSULATION RESISTANCE: >10M0hm@50VDC, ALL WIRES TO METAL CHASSIS.

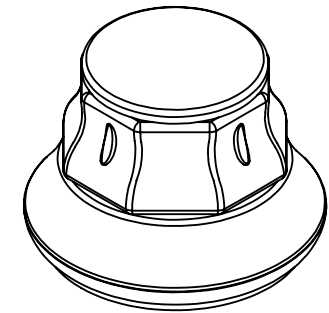
TEMPERATURE:

OPERATING: 0 TO 70°C

STORAGE: -25 TO +85°C



IDENTIFICATION LABEL



ASSONOMETRIC VIEW

Material:		Coating:		Part number : SB10		P/N. rev. 0		USE		General tolerances: +/-0.1
Part description: 6 AXIS CONTROL				Drawing : SB10-CD		Drawing. rev. 0		LM No	FIN No	
Drawing description: CONFIGURATION DRAWING				Model 3D: SB10-00				TS No	PA No	Angle projection:
 S.r.l. - Via Bordigona,11- MASSA - ITALY Phone : ++39/585/251616 Fax : ++39/585/251711 E - mail : sogein@sogein.eu	Action	Date	Signature					SL No	CA No	
	Drawin	22/10/2013	JL					CD Yes	DFT Yes	
	Checked	22/10/2013	AG							
	Approved	22/10/2013	MDA							
Unit : mm		Scale: 1:2.5		Size: A4		Sheet: 1 of 1				

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