

NOTES (further info on SO.GE.IN. Doc.J01)

- 1-Absolute max excitation: 20 VDC or AC
- 2-Total resistance each element: 1150 ±10% ohms
- 3-Output: ± 1.65 V (± 125 mV) ( max stroke, input ± 10 V DC)
- 4-Sensitivity: 0,1 V(±20%) per newton force, for ±6VDC supply.
- 5-Sensitivity temperature coefficient: ±0.2% per °C max
- 6-Null offset: ±0.18 V max for ±6VDC supply
- 7-Null temperature coefficient: ±0,04% of f.s. output per °C max
- 8-Null hysteresis: ±7mV max after 5 second, for ± 6VDC supply
- 9-Applied force: 0 to 15 N to mechanical stop (abs. max is 120N)
- 10-Switching actuating force 18 ±1N
- 11-Resolution: infinite, no dead zone
- 12-Case material: black anodized aluminium alloy
- 13- DELETED
- 14 - Switch travel: 1.8 ± 0.2mm
- 15-Switch: Dttto P/N B3 12142 (M 8805/101-010)
- 16-Joystick harness wires: MIL-W16878/4BEE 24-19
- 17-Joystick harness lenght: 100 cm
- 18-Insulation resistance: 100 MOHM at 50 VDC
- 19-Mechanical case Al anodized black
- 20-Knob Al anodized black.

21-Electrical life  
transducer-100000 cycles  
switch-50000

22-Mechanical Life  
500000 cycles

23-Environmental conditions:

24.1-HIGH TEMPERATURE  
Storage +85°C  
Operating +70°C  
MIL-STD-810C  
METHOD 501.1  
Proc. I and II

24.7-ACCELERATION  
6G LEVEL  
MIL-STD-810C  
METHOD 513  
Proc. II

24.2-LOW TEMPERATURE  
Storage -50°C  
Operating -40°C  
MIL-STD-810C  
METHOD 502.1  
Proc. I

24.8-HUMIDITY  
40°C 95%RH  
240 Hrs.  
MIL-STD-202  
METHOD 103  
Cond. A

24.3-TEMPERATURE SHOCK  
-40°C TO + 70°C  
5 cycles  
MIL-STD-810C  
METHOD 503.1  
Proc. I

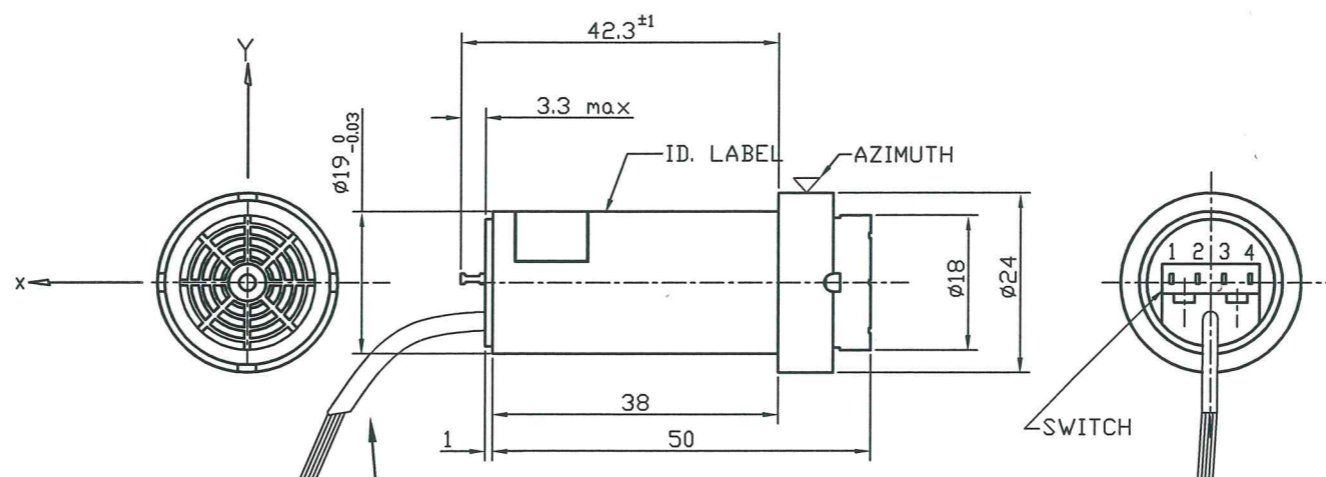
24.9-SALT FOG  
MIL-STD-810C  
METHOD 509.1  
Proc. I

24.4-TEMPERATURE-ALTITUDE  
-40°C TO + 85°C  
-1000 TO +30000 ft  
MIL-STD-810C  
METHOD 504.1  
Proc. I  
Cat.4

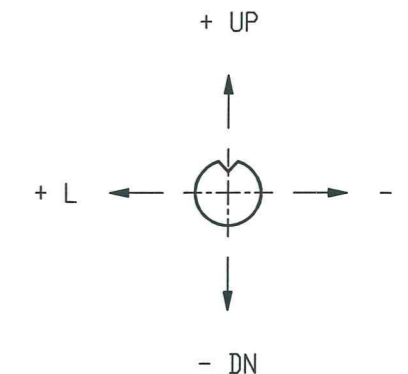
24.10-HUMIDITY  
30°C-70°  
MIL-STD-810C  
METHOD 507.1

24.5-SHOCK  
30G, 11 msec, half sine  
3 axes  
MIL-STD-810C  
METHOD 516.2

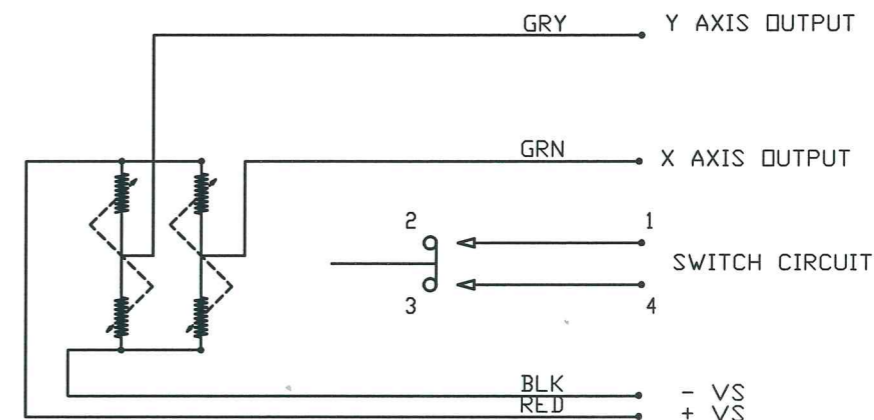
24.6-VIBRATION  
5-20 Hz; 0.10 DA  
20-74 Hz; 0.036 DA  
74-2000 Hz; 10G  
MIL-STD-810C  
METHOD 514  
Proc. I



TUBE THERMORETRACTABLE  
TYPE: HSB 187 4,8/2,4mm  
(SHRINK-KON)



OUTPUT DIAGRAM



REV.	DATE	DESCRIPTION	DRAWN	CONTROLLED	APPROVED
1	24-09-13	ADDED OVERALL LENGTH (42,3 +/-1)	RBF	AG	MD
0	25-05-09	FIRST EMISSION (ORIGINE DAL P/N SWK217/L CON KNOB NERO)	RBF	AG	MD

CUSTOMER:		SUPPLY:				
LEGEND: TRASDUCER & SWITCH P/N SWK217/L_rev2		CATEGORY:	MATERIAL:	WEIGHT:		
		CRITICAL:	TREATMENT:			
		SPEC. TECN. N° :	SUPERSEDES:	SCALE: 1:1		
		MODIFIES:				
		ACTION	DATA	NAME	COMPLEMENTARY DOCUMENTS:	
S.r.l. - VIA BORDIGOMA, 9 - MASSA - ITALY Phone : ++39/585/251616 Fax : ++39/585/251711 E-mail : sogein @ sogein . eu		DRAWN	25-05-09	RBF	DWG. NUMBER: SWK217/L_rev2	SHEET 1/1
		CONTROLLED				
		APPROVED				

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