

BOX LIMIT SWITCH mod.ST3



GENERAL INFORMATION

The Limit Switch Box SENDERTOP ST3 series is designed to provide an instant and reliable feedback signal for the position of a valve actuated or manually operated in Hazardous area. Exia intrinsically safe type of protection. IP66/67 protection type.

Aluminum Enclosure and SS AISI-316

High visibility green / red status indicator.
Precise cam adjustment, through "Miller" system. Terminal block with 8 positions.

Electrical inputs M20x1.5 or 1/2 "NPT-F.
Possibility to mount a wide range of limit switches.

BRACKET

NAMUR bracket for mounting on actuator with hub spacing 30x80 e 30x130, pinion h. 20mm and 30mm, available on request in painted steel or stainless steel

TECHNICAL DATA

Switches

- Mechanical SPDT gold plated 0,1A@30VDC.
- Magnetic hermetically sealed proximity type SPDT 0,25A@175VDC.
- Inductives NAMUR, 2 wires.

Enclosures

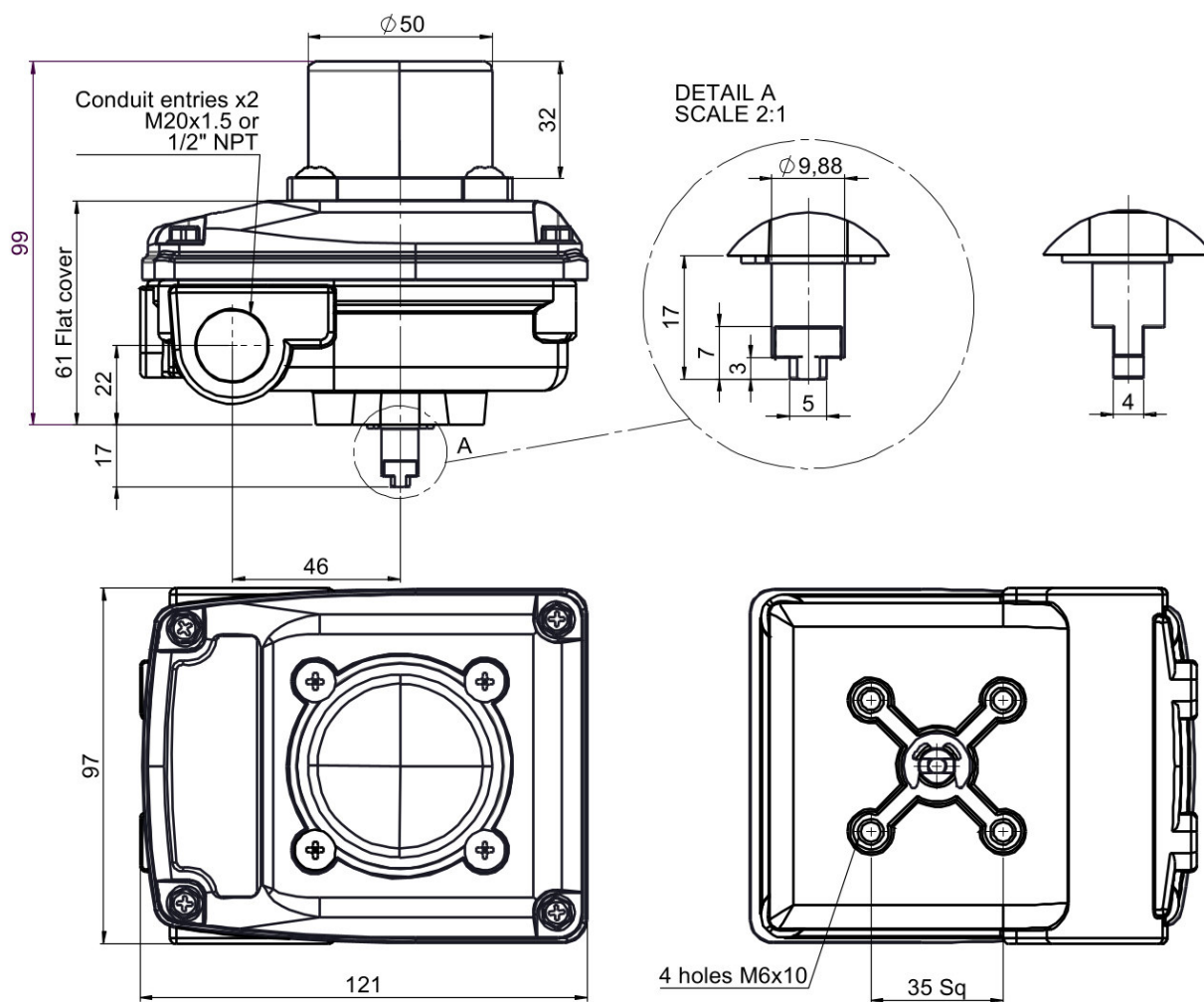
- Low copper content Aluminum with double layer of black epoxy coating.
- CF8M (AISI-316) Stainless Steel

Ambient temperature

- Standard : -20°C/+xxxx°C (NBR seals)
- On request (Silicone seals) :
 - with mechanical switch -40°C/+xxxx°C;
 - with magnetic and inductives switches -50°C/+xxxx°C.

xxxx = see ATEX certificate.

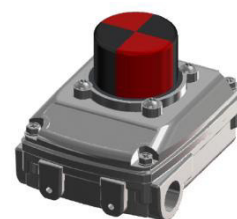
ST3 ENCLOSURE DIMENSION



TECHNICAL SPECIFICATIONS

Materials of construction

Enclosure	Low copper content aluminium epoxy coated / S.S. CF8M
Namur Shaft	Stainless Steel
Beacon	Polycarbonate & ABS
Spring	Stainless Steel
Cams	ABS
O-ring	NBR / Silicone
Bolts	Stainless steel CF8M
Available switches	Mechanical SPDT gold plated 0,1A@30VDC
	Magnetic reed SPDT 0,25A@175VDC
	Inductive NAMUR, 2 wires



HOW TO ORDER

Housing							
ST3	Sendertop						
		Conduit entries					
		N	1/2" NPT-F				
		M	M20 x 1,5				
		Number of switches / sensors					
		1	One				
		2	Two				
		Indicator					
		VR	STD, forma A, green/reed				
		2	Lport, forma A, 3 way				
		3	Tport, forma A, 3 way				
		4	arrow, forma A, 3 way				
		Enclosure material					
		A	Alluminium, black RAL 9005				
		S	Stainless Steel CF8M				
Switches / Sensors							
MC	OMRON SS-01 (mecc. GP, SPDT, 125VAC, 30VDC)						
ME	OMRON D2SW-01 (mecc. GP, SPDT, 30VDC)						
MA	Hamlin 59140 (magn., SPDT, 140VAC, 200VDC)						
INS	NS5002 (NC, NAMUR, 2 wires, 8.2V)						
INJ	NJ2 V3 N (NC, NAMUR, 2wires, 8.2V)						
INC	NCB2 V3 N0 (NC, NAMUR, 2 wires, 8.2V)						
ISN	SJ3.5-N (NC, NAMUR, 2 wires, 8.2V)						
IS1	SJ3.5-S1N (NA, NAMUR with security function, 2 wires, 8.2V)						
ISS	SJ3.5-SN (LT) ((NC, NAMUR with security function, 2 wires, 8.2V)						
Special options							
LT	Low temperature*						
1	Circuit board 7-8-7-9						
2	Circuit board 7-8-9-10						
ST3	M	2	VR	A	1	LT	Mod. numb.=ST3M2VRA1LT

* with mechanical switch -40°C
with magnetic and inductives switches -50°C

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