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 ½ "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, 0,18A@120VAC, max 5W.
- Inductives NAMUR, 2 wires.

Enclosures

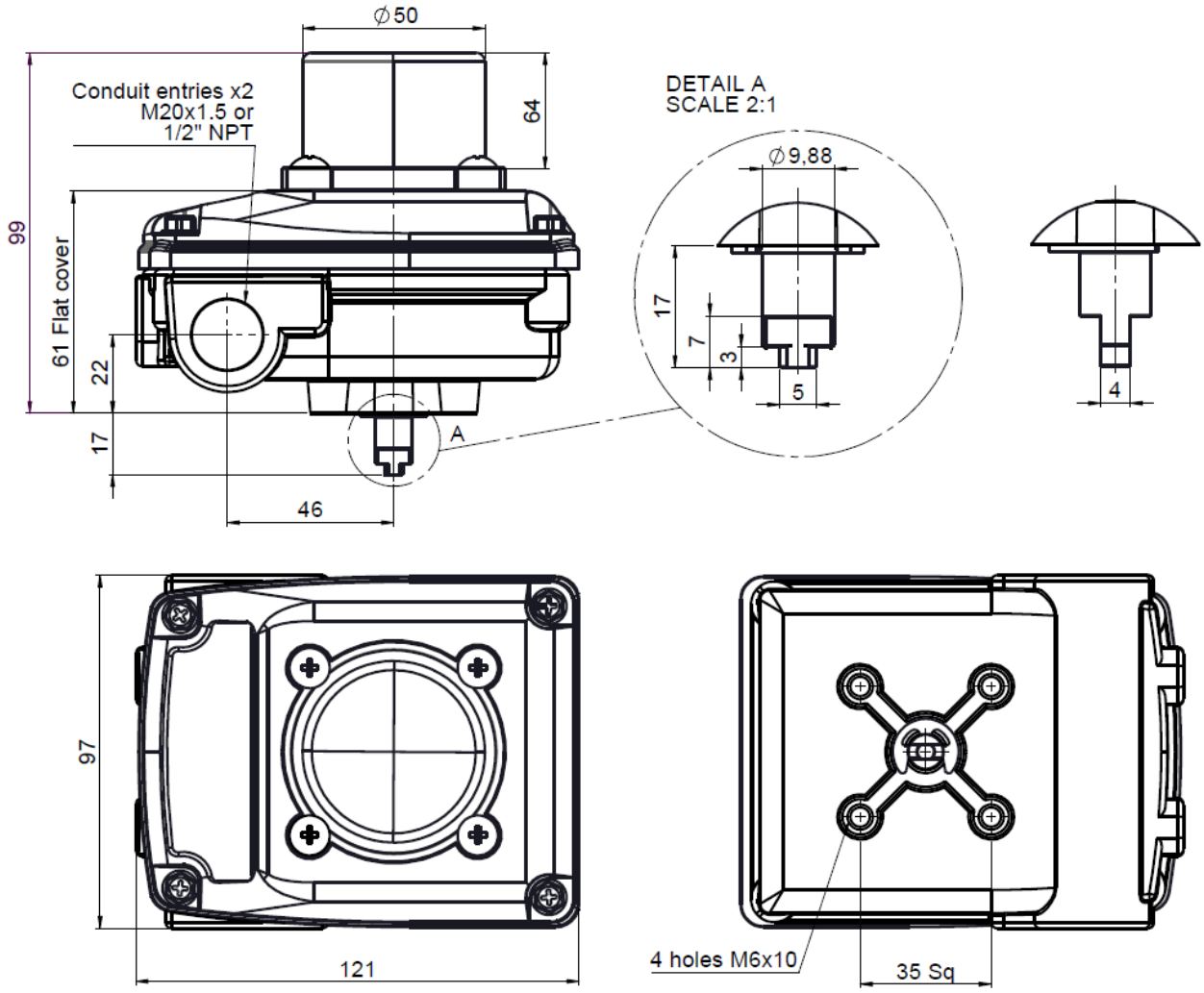
- Low copper content Aluminum with double layer of black epoxy coating.
- CF8M (AISI-316) Stainless Steel

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

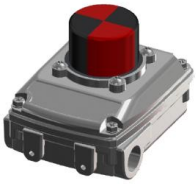


TECHNICAL SPECIFICATIONS

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, 0,18A@120VAC, max 5W
	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, 175VDC, 120VAC)		
					INS NS5002 (NC, NAMUR, 2 wires, 7.5…30VDC)		
					INJ NJ2 V3 N (NC, NAMUR, 2wires, 8.2VDC)		
					INC NCB2 V3 N0 (NC, NAMUR, 2 wires, 8.2VDC)		
					ISN SJ3.5-N (NC, NAMUR, 2 wires, 8.2VDC)		
					IS1 SJ3.5-S1N (NO, NAMUR with security function, 2 wires, 8.2VDC)		
					ISS SJ3.5-SN (LT) (NC, NAMUR with security function, 2 wires, 8.2VDC)		
						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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