

BOX LIMIT SWITCH mod.ST1



GENERAL INFORMATION

The Limit Switch Box SENDERTOP ST1 series is designed to provide an instant and reliable feedback signal for the position of a valve actuated or manually operated in a safe area. IP67 protection type.

Aluminum and S.S. CF8M Enclosure High visibility green / red status indicator.

Precise cam adjustment, through spindle system. Terminal block with 8 positions.

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

BRACKET

NAMUR brackets for mounting on actuator 30x80 e 30x130, pinion h. 20mm and 30mm, available on request in painted carbon steel or stainless steel.

TECHNICAL DATA

Switches

- Mechanical SPDT 3A@250VAC.
- Mechanical SPDT gold plated 0,1A@30VDC.
- Magnetic hermetically sealed proximity type SPDT 0,25A@175VDC.
- Inductives NAMUR, NPN, PNP sensors.

Enclosures

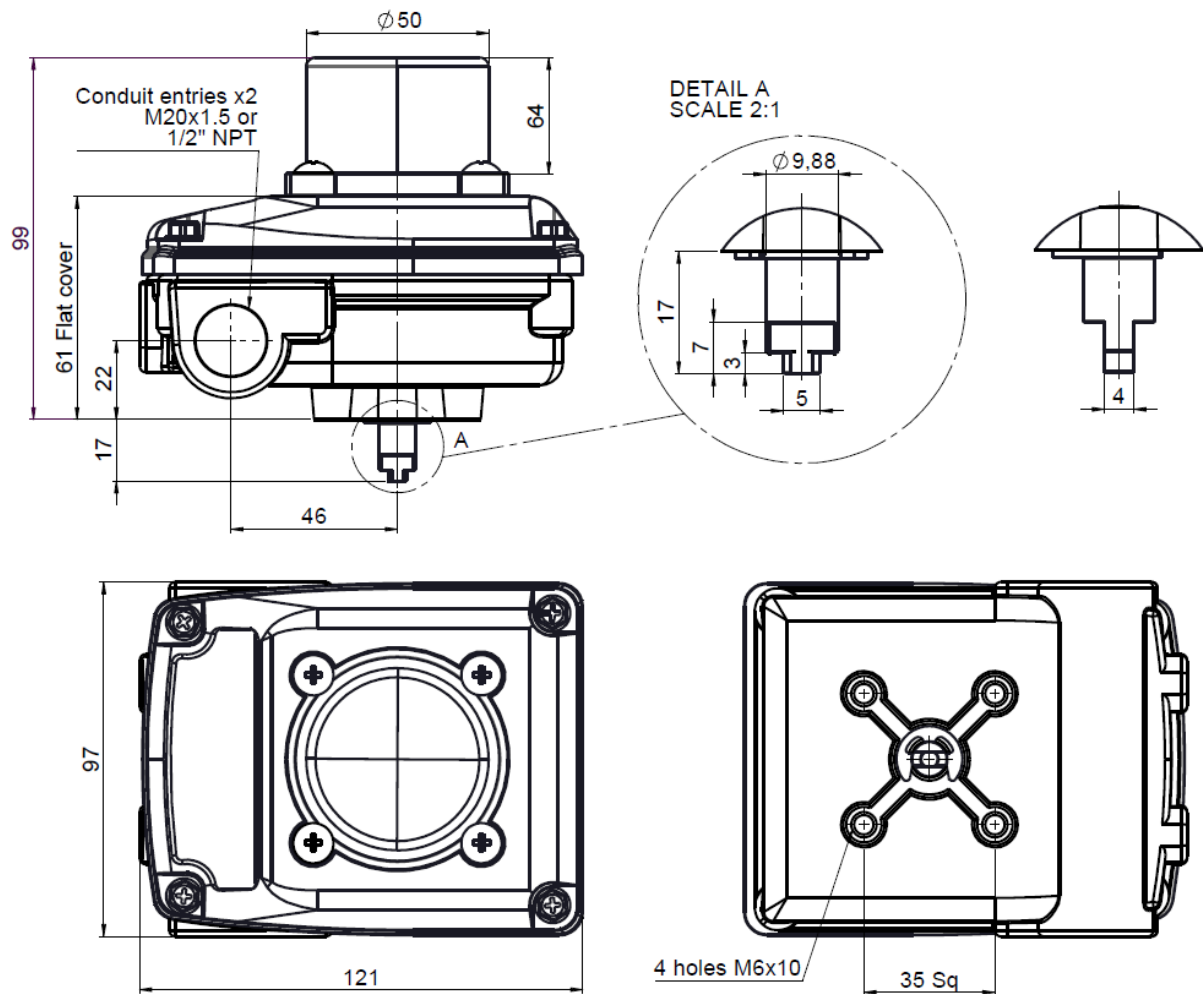
- Low copper content Aluminum with double layer of black epoxy coating.
- CF8M (AISI-316) Stainless Steel

Ambient temperature

- Standard : -20°C/+80°C (NBR seals)
- On request : -40°C/+80°C (Silicone seals)

ATEX II 3D (zone 22) version on request.

ST1 ENCLOSURE DIMENSION



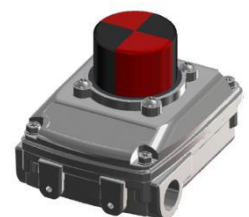
TECHNICAL SPECIFICATIONS

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 3A@250VAC
Mechanical SPDT gold plated 0,1A@30VDC
Magnetic reed SPDT 0,25A@175VDC
Inductive NAMUR, NPN, PNP sensors



HOW TO ORDER

Housing								
ST1	Sendertop							
	Type							
	M	Mechanical switches						
	I	Inductive proximity sensors						
	G	Magnetic proximity switches						
		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/red					
		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					
		1	OMRON SS-5 or SSG (mech., SPDT, 250VAC) OMRON D2SW-3 (Low temp., SPDT, 125VAC)					
		2	OMRON SS-01 (mech. GOLD PLATED, SPDT, 125VAC, 30VDC)					
		0	HAMLIN 59140 (magn., SPDT-NO, 140VAC, 200VDC)					
		A	NS 5002 (NC, NAMUR, 2 wires, 8.2V)					
		B	IS 5001 (NO, PNP, 3 wires, 10...30VDC)					
		D	IS 5026 (NO / NC, PNP / NPN, 2 wires, 5...36VDC)					
		E	IS 0003 (NO, 2 wires, 20...140VAC / 10...140VDC)					
		F	NJ2 V3 N (NC, NAMUR, 2 wires, 8.2V)					
		G	NBB2 V3 E2 (NO, PNP, 3 wires, 10...30VDC)					
		H	NBB3 V3 Z4 (NO, 2 wires, 5...60VDC)					
		GD	NBB2 V3 E2 3G-3D (NO, PNP, 3 wires, 10...30VDC)					
		L	NBB2 V3 E0 (NO, NPN, 3 wires, 10...30VDC)					
		M	S J-3, 5N (NC, NAMUR, 2 wires, 8.2V)					
		N	NCB2 V3 N0 (NC, NAMUR, 2 wires, 8.2V)					
		P	IS 0004 (NC, 2 wires, 20...140VAC / 10...140VDC)					
		Q	SJ-3, 5SN (NC, NAMUR with safety function, 2 wires, 8.2V)					
		R	SJ-3, 5S1N (NO, NAMUR with safety function, 2 wires, 8.2V)					
			Special options					
			1	Circuit board 7-8-7-9				
			2	Circuit board 7-8-9-10				
			LT	Low temperature (-40°C)				
			G	EAC TR-CU 004 & 020 / 2011				
			X	Atex II 3D (zone 22)				
ST1	M	M	2	VR	A	1	LT	Mod. numb.=ST1MM2VRA1LT

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