



ST3

LIMIT SWITCH BOX mod.ST3

Intrinsically safe ATEX/IECEEx

The limit switch box 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 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.



TECHNICAL DATA

Switches

- ◆ Mechanical switches SPDT gold plated 0.1A@125VAC/0.1A@30VDC.
- ◆ Magnetic hermetically sealed proximity type SPDT 0.25A@175VDC, 0.18A@120VAC max 5W.
- ◆ Inductive NAMUR, NPN, PNP sensors.

Enclosures

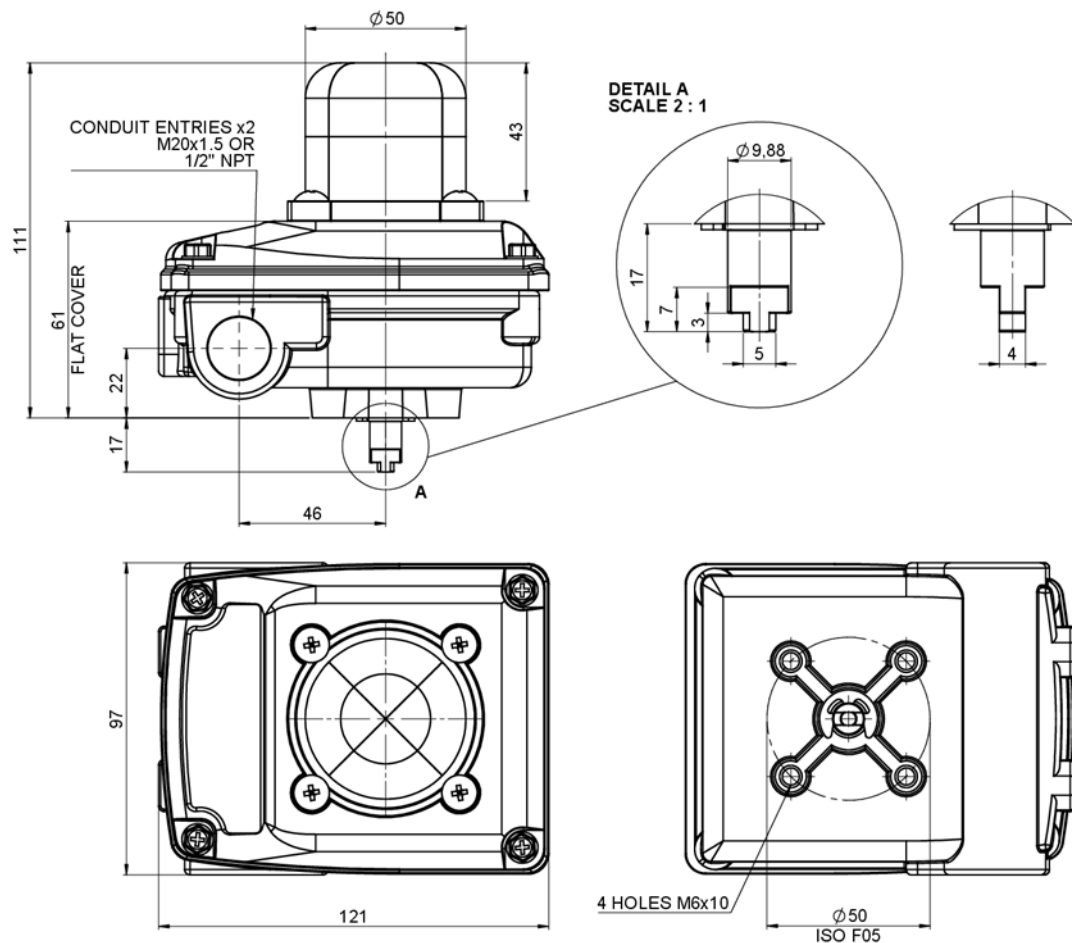
- ◆ Die cast aluminum alloy with double layer of black epoxy coating.
- ◆ CF8M (AISI-316) Stainless Steel.

Ambient temperature

- ◆ (xxxx = see ATEX certificate)
- ◆ Standard: -20°C/+xxxx°C (NBR seals)
- ◆ On request (Silicone seals):
- ◆ with mechanical switch -40°C/+xxxx°C;
- ◆ with magnetic and inductive switches -50°C/+xxxx°C.



ST3 ENCLOSURE DIMENSION



TECHNICAL SPECIFICATIONS

Materials of construction

Enclosure	Die cast aluminum double layer epoxy coating / 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@125VAC/0.1A@30VDC Magnetic reed SPDT 0.25A@175VDC, 0.18A@120VAC, max 5W Inductive NAMUR, NPN, PNP sensors
Weight	Aluminum = 0,70 Kg S.S. CF8M = 1,60 Kg