SX LV

intrinsically safe submersible level transmitter, ATEX version accuracy 0,35 %

II 1G Ex ia IIC T6…T4 Ga
II 1D Ex ia IIIC T_{200}85°C…T_{200}135°C Da

Certificate :
0425 ATEX 2635-01

8.XLV

Protection type: intrinsic safety "ia" as per EN 60079-0, EN 60079-11.
Marking:
- **II 1 G Ex ia IIC T6...T4 Ga**
  II 1 D Ex ia IIIC T_{200}85°C...T_{200}135°C Da (**Cod. G1D**).

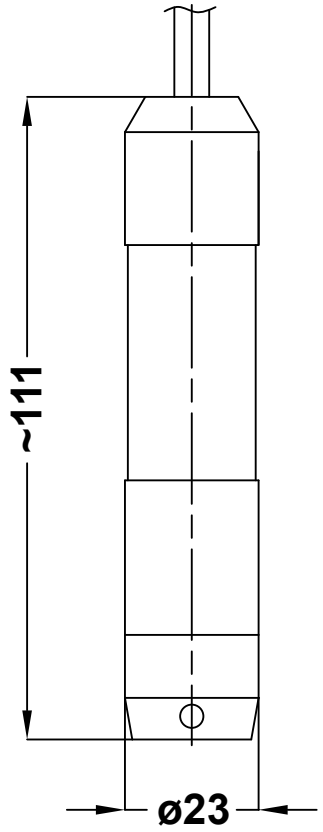
Measuring ranges: 0...1/0...25 bar, relative.
Output signal: 4...20 mA.
Non-linearity (BFSL): ≤ ± 0,175 % of the range, according to IEC 61298-2.
Non-repeatability: ≤ 0,1 % of the range, according to IEC 61298-2.
Accuracy: ≤ ± 0,35% of the range (1).
Thermal drift: between 0 and 60°C, 1% of span; 2,5% of span, max (2).
Long term drift: ≤ 0,2 % of span.
Stocking temperature: -10...+60 °C.
Emission and immunity: according to EN 61326-1, (group 1 - class B; industrial applications).
Sensor: piezoresistive cell, with silicon oil.
Case: in AISI 316L.
Sensor gasket: VITON (**Cod. FPM**).
Electric connection: poliurethane cable, compensated.
Grado di protezione: IP 68 secondo IEC 60529.
Weight: 0,25 kg.

(1) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1)
(2) + 0,5% of span for measuring range ≤ 0,6 bar

Ranges bar, relative	**Overpressure** bar, relative
0...0,1	0,3
0...0,16	0,5
0...0,25	0,8
0...0,4	1,2
0...0,6	1,8
0...1	2
0...1,6	3,2
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	25
0...25	25

Other ranges available on demand. Units of measurement available in psi, MPa and kPa.

Complying with requirements of directives: ATEX 2014/34/EU- EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/CE



dimensions : *inches* (mm)

Electrical features	
N. of wires	2
Load (Ohm)	$R_L \leq (Ui-10)/0,02$
Supply (Ui)	10…30 Vdc
Max current (Ii)	≤ 100 mA
Max power (Pi)	1,0 W
Capacitance (Ci)	19 nF
Inductivity (Li)	0 mH

WIRING

Supply connection: U+	brown
Negative connection: U-	white
Output signal: S+	-
Ground	grey

"HOW TO ORDER" SEQUENCE

Section / Model / Range / Output signal / Classification / Temperature / Cable type / Gasket

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