Product datasheet
Characteristics

XMLP010BD71F

pressure transmitter - XMLP - 10 bar - G1/4A male - 0..10V - M12 - set of 1



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure sensor size	10 bar
Local display	Without
Controlled fluid	Air -30...135 °C Fresh water 0...135 °C Hydraulic oil -30...135 °C Gas -30...135 °C Refrigeration fluid -30...135 °C
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	24 V DC SELV, voltage limits: 12...33 V
Current consumption	< 7 mA
Type of output signal	Analogue
Analogue output function	0...10 V, 3-wire
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0...10 bar
Maximum permissible accidental pressure	30 bar
Destruction pressure	60 bar
Materials in contact with fluid	Stainless steel AISI 316L Fluorocarbon FPM
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 1 kV (f = 42 Ohm) Immunity to magnetic fields conforming to EN/IEC 61000-4-8 - test level 100 A/m (f = 50 Hz) Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...3000 MHz) Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.01...80 MHz)
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms for 10...90 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Accuracy	0.1 % of the measuring range
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K

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Mechanical durability	>= 10000000 cycles
Product weight	0.09 kg
Diameter	26 mm
Length	38.1 mm

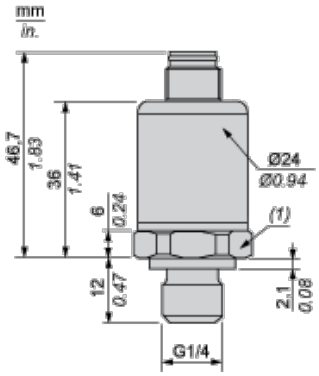
Environment

standards	EN/IEC 61326-2-3 NSF ANSI 61
product certifications	CE CULus RCM EAC
protective treatment	TC
ambient air temperature for operation	-30...85 °C
ambient air temperature for storage	-50...100 °C
vibration resistance	20 gn (f = 15...2000 Hz) conforming to EN/IEC 60068-2-6
shock resistance	100 gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP65 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529 IP69K conforming to EN/IEC 60529

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1723 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

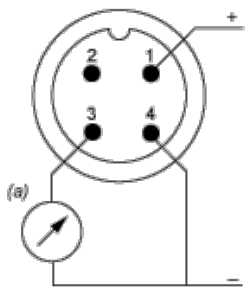
Dimensions



(1) SW24 tightening torque ≤ 25 N.m / 221 lb-in

Wiring Diagram

3-Wire Technique (0-10 V)



(a) V out

Curves

