

Product data sheet

Characteristics

XMLPM09BD11VQ

pressure transmitter - XMLP - -1+9bar - G1/4A
male - 0,5..4,5V - M12 - set of 40



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	-1...9 bar
Local display	Without
Controlled fluid	Air -20...120 °C Fresh water 0...120 °C Hydraulic oil -20...120 °C Gas -20...120 °C Refrigeration fluid -20...120 °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	5 V DC SELV, voltage limits: 4.5...5.5 V
Current consumption	< 5 mA
Type of output signal	Analogue
Analogue output function	0.5...4.5 V, 3-wire
Quantity per set	Set of 40
Type of packing	Group

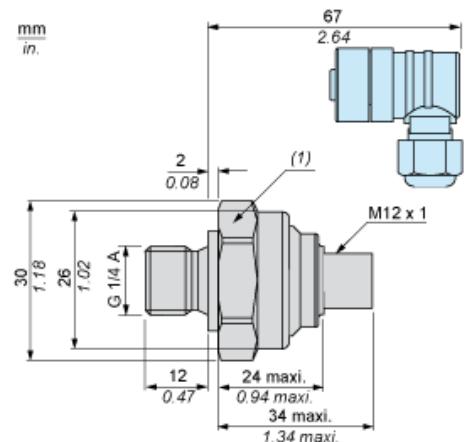
Complementary

Pressure setting range	-1...9 bar
Maximum permissible accidental pressure	20 bar
Destruction pressure	100 bar
Materials in contact with fluid	Stainless steel type 17-4PH Stainless steel type AISI 304 Fluorocarbon FKM (Viton)
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz) Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz) Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact
[Uiimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 5 ms
Measurement accuracy	+/- 0.5 % of the measuring range
Repeat accuracy	+/- 0.1 % of the measuring range
Mechanical durability	>= 1000000 cycles
Product weight	0.05 kg
Diameter	30 mm
Length	26 mm

Environment

Standards	CE EN/IEC 61326-1
Product certifications	CULus RCM EAC
Protective treatment	TC
Ambient air temperature for operation	-30...100 °C
Ambient air temperature for storage	-30...100 °C
Vibration resistance	20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-64
Shock resistance	25 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 DIN 40050

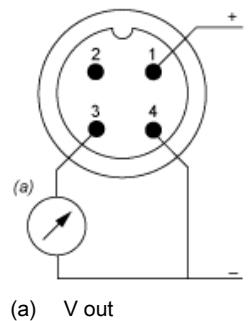
Dimensions



(1) SW27 Tightening torque \leq 25 Nm / 221 Lb-in

Wiring Diagram

3-Wire Technique (0.5 – 4.5 V)



Curves

