

XMLP015RD23F

pressure transmitter 15psi - 4..20mA -
1/4-18NPT male - FPM - M12



Product availability: Stock - Normally stocked in distribution facility



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	103.42 kPa (15 psi)
Local display	Without
Controlled fluid	Fresh water 32...257 °F (0...125 °C)) Air 5...257 °F (-15...125 °C)) Gas 5...257 °F (-15...125 °C)) Hydraulic oil 5...257 °F (-15...125 °C))
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC SELV 7...33 V)
Current consumption	< 23 mA
Type of output signal	Analogue
Analogue output function	4...20 mA, 2-wire
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0.00...103.42 kPa (0...15 psi)
Maximum permissible accidental pressure	303.37 kPa (44 psi)
Destruction pressure	503.32 kPa (73 psi)
Materials in contact with fluid	Fluorocarbon FPM Stainless steel AISI 316L Ceramic
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...1000 MHz Radiated RF fields EN/IEC 61000-4-6 10 V 0.15...80 MHz Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields EN/IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test EN/IEC 61000-4-4 4 kV
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 10...90 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Resolution	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
Long term stability	+/- 0.25 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.17 lb(US) (0.075 kg)
Diameter	1.02 in (26 mm)
Length	1.19 in (30.2 mm)

Environment

Standards	NSF ANSI 61 EN/IEC 61326-2-3
Product certifications	RCM CULus CE EAC
Ambient air temperature for operation	-22...185 °F (-30...85 °C)
Ambient air temperature for storage	-58...212 °F (-50...100 °C)
Vibration resistance	20 gn 10...2000 Hz) EN/IEC 60068-2-6
Shock resistance	100 gn 11 ms EN/IEC 60068-2-27
IP degree of protection	IP65 EN/IEC 60529 IP67 EN/IEC 60529 IP69K DIN 40050

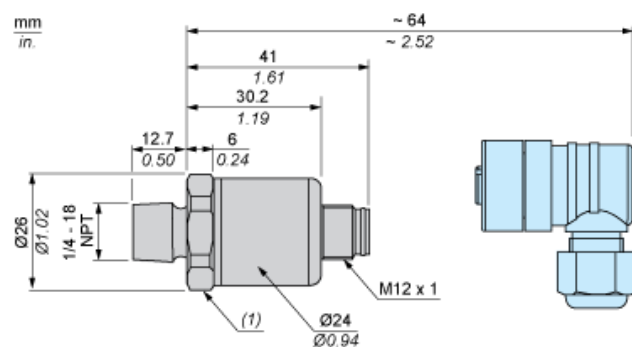
Ordering and shipping details

Category	21561 - XMLK,XMLP PRESSURE TRANSMITTERS
Discount Schedule	DS2
GTIN	00785901470465
Package weight(Lbs)	0.08 kg (0.17 lb(US))
Returnability	Yes
Country of origin	CH

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

Dimensions

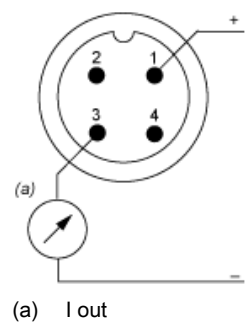


(1) SW24 tightening torque ≤ 25 N.m / 221 lb-in

Connection and Schema

Wiring Diagram

2-Wire Technique (4-20 mA)



Performance Curves

Curves

