

Product data sheet

Characteristics

XMLP500MD21F

Electronic pressure sensors, Pressure sensors
XM, transmitter 500mbar, 4...20 mA, G1/4 A
male, FPM, M12



Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure rating	500 mbar
Local display	Without
Controlled fluid	Fresh water (0...125 °C) Air (-15...125 °C) Gas (-15...125 °C) Hydraulic oil (-15...125 °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	12...24 V DC SELV (voltage limits: 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...0.5 bar
Maximum permissible accidental pressure	3 bar
Destruction pressure	5 bar
Materials in contact with fluid	Ceramic Stainless steel AISI 316L Fluorocarbon FPM
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 80...1000 MHz Radiated RF fields conforming to IEC 61000-4-6 10 V 0.15...80 MHz Electrostatic discharge immunity test conforming to IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 4 kV
[Uiimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 92 % of full scale
Measurement accuracy	+/- 1.5 % of the measuring range
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.03 % of measuring range/°K
Long term stability	+/- 0.1 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.075 kg
Diameter	26 mm
Length	32.3 mm

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Environment

Standards	NSF ANSI 61 IEC 61326-2-3
Product certifications	cULus[RETURN]RCM[RETURN]CE
Ambient air temperature for operation	-30...85 °C
Ambient air temperature for storage	-50...100 °C
Vibration resistance	20 gn (f = 10...2000 Hz) conforming to IEC 60068-2-6
Shock resistance	100 gn for 11 ms conforming to IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

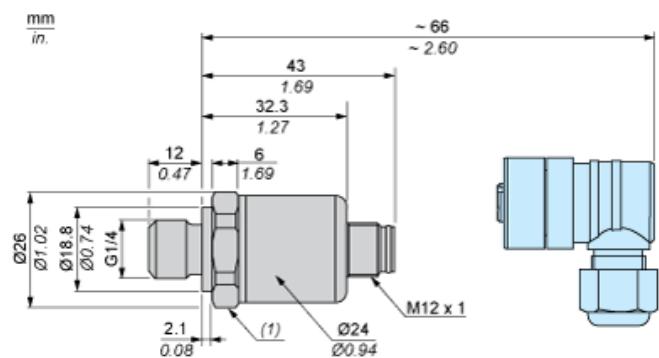
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.200 cm
Package 1 Width	4.700 cm
Package 1 Length	8.700 cm
Package 1 Weight	80.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	2.170 kg

Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Dimensions

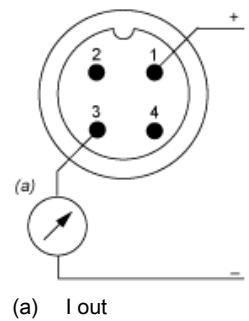


(1) SW24 tightening torque \leq 25 N.m / 221 lb-in

Connection and Schema

Wiring Diagram

2-Wire Technique (4-20 mA)



Performance Curves

Curves

