

XMLP001GC11F

Electronic pressure sensors, Pressure sensors XM, transmitter 1 bar, 0,5...4,5 V DC, G1/4 A male, FPM, DIN



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	1 bar
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 EN 175301-803-A (ex DIN43650) 3 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 1
Type of packing	Individual

Complementary

Pressure setting range	0...1 bar
Maximum permissible accidental pressure	3 bar
Destruction pressure	5 bar
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 conforming to IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 2 kV 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
[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	0.095 kg

Diameter	26 mm
Length	55 mm

Environment

Standards	NSF ANSI 61 IEC 61326-2-3
Product certifications	RCM[RETURN]CE[RETURN]cULus
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl 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

Technical drawing of the 1000 Series Motor showing dimensions in mm and inches. The drawing includes a side view and a front view. Key dimensions are:

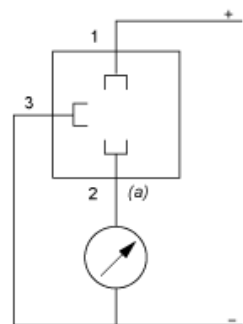
- Overall length: 84 mm (~ 3.31 in.)
- Distance from mounting flange to center of shaft: 54.8 mm (2.16 in.)
- Distance from mounting flange to center of terminal box: 32.3 mm (1.27 in.)
- Mounting flange diameter: Ø26 mm (Ø1.02 in.)
- Mounting flange hole diameter: Ø18.8 mm (Ø0.74 in.)
- Mounting flange hole pitch: G1/4
- Mounting flange hole diameter: Ø12 mm (Ø0.47 in.)
- Mounting flange hole diameter: Ø6 mm (Ø0.24 in.)
- Terminal box diameter: Ø24 mm (Ø0.94 in.)
- Terminal box mounting flange diameter: Ø2.1 mm (Ø0.08 in.)
- Terminal box mounting flange hole diameter: Ø1.2 mm (Ø0.047 in.)

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

Connection and Schema

Wiring Diagram

2-Wire Technique (4-20 mA)



(a) V out

Performance Curves

Curves

