

XMLGM01D71

Electronic pressure sensors, Pressure sensors
XM, sensor XMLG, (-0.08...-1) bar, G 1/4 A
(male), 24 V, 0...10 V



Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLG
Pressure rating	-1 bar
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Controlled fluid	Air (-15...125 °C) Corrosive fluid (-15...125 °C) Hydraulic oil (-15...125 °C) Fresh water (0...125 °C)
Type of output signal	Analogue
Analogue output function	0...10 V, 3 wires
Electrical connection	1 male connector M12, 3 pins
[Us] rated supply voltage	24 V DC (voltage limits: 11.4...33 V)
Quantity per set	Set of 1
Type of packing	Individual
Diameter	22.8 mm

Complementary

Pressure setting range	-1...0 bar
Maximum permissible accidental pressure	2.7 bar
Destruction pressure	3 bar
Local display	Without
Electrical circuit type	Control circuit
Current consumption	< 20 mA
Materials in contact with fluid	Ceramic Stainless steel type AISI 303 FPM (Viton)
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Surge withstand	1 kV 42 Ohm conforming to IEC 61000-4-5 500 kV 12 Ohm conforming to IEC 61000-4-5
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 2 ms
Drift of the sensitivity	+/- 0.015 % of measuring range/°C
Drift of the zero point	+/- 0.015 % of measuring range/°C
Measurement accuracy	+/- 0.3 % of the measuring range
Repeat accuracy	+/- 0.1 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.095 kg
Height	58.1 mm
Length	48.5 mm

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Standards	CE IEC 61326-2-3
Product certifications	UL 508[RETURN]CSA C22.2 No 14
Protective treatment	TC
Ambient air temperature for operation	-15...85 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	20 gn (f= 9...2000 Hz) conforming to IEC 60028-2-6
Shock resistance	25 gn for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	15 kV in air conforming to IEC 61000-4-2 8 kV on contact conforming to IEC 61000-4-2
Resistance to electromagnetic fields	200 V/m 80...1000 Hz conforming to IEC 61000-4-3
Resistance to fast transients	4 kV conforming to IEC 61000-4-4
Resistance to conducted disturbances	30 V (0.15...80 Hz) conforming to IEC 61000-4-6
Resistance to magnetic fields	30 A/m 50 Hz conforming to IEC 61000-4-8
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
NEMA degree of protection	NEMA 4

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.0 cm
Package 1 Width	10.5 cm
Package 1 Length	13.5 cm
Package 1 Weight	0.133 kg
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.051 kg

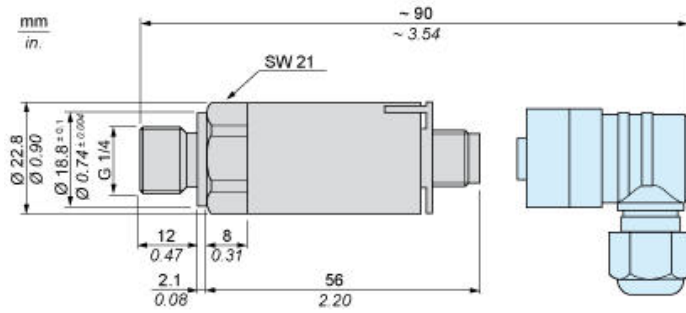
Offer Sustainability

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 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

Contractual warranty

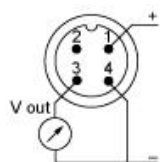
Warranty	18 months
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Dimensions



Wiring Diagram

3-Wire Technique (0-10 V)



Output Curves

