

XMLP100RD23F

Electronic pressure sensors, Pressure sensors XM, transmitter 100 PSI, 4...20 mA, 1/4 18NPT 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	689.5 kPa
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	1/4" - 18 NPT (male)
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
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0.000000000...689.5 kPa
Maximum permissible accidental pressure	1792.64 kPa
Destruction pressure	2344.22 kPa
Materials in contact with fluid	Ceramic Stainless steel AISI 316L Fluorocarbon FPM
Operating position	Any position
Protection type	Reverse polarity Load short-circuit
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
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 92 % of full scale
Measurement accuracy	+/- 0.5 % 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	+/- 0.1 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.075 kg
Diameter	26 mm
Length	30.2 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	IEC 61326-2-3 NSF ANSI 61
Product certifications	RCM[RETURN]CE[RETURN]cULus
Ambient air temperature for operation	-30...85 °C
Ambient air temperature for storage	-50...100 °C
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	4.1 cm
Package 1 Width	4.5 cm
Package 1 Length	8.5 cm
Package 1 Weight	75.0 g

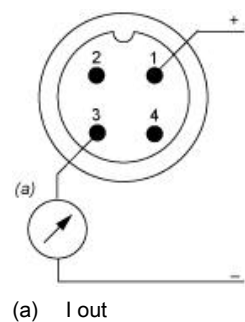
Offer Sustainability

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: 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

Connection and Schema

Wiring Diagram

2-Wire Technique (4-20 mA)



Performance Curves

Curves

