

# 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	100 psi (689.5 kPa)
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
Quantity per Set	Set of 1
Type of Packing	Individual

## Complementary

Pressure setting range	0...100 psi (0.0000000000...689.5 kPa)
Maximum permissible accidental pressure	260 psi (1792.6 kPa)
Destruction pressure	340 psi (2344.2 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 IEC 61000-4-3 10 V/m 80...1000 MHz Radiated RF fields IEC 61000-4-6 10 V 0.15...80 MHz Electrostatic discharge immunity test IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test 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	0.165 lb(US) (0.075 kg)
Diameter	1.02 in (26 mm)
Length	1.2 in (30.2 mm)

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## Environment

Standards	IEC 61326-2-3 NSF ANSI 61
Product Certifications	RCM[RETURN]CE[RETURN]cULus
Ambient Air Temperature for Operation	-22...185 °F (-30...85 °C)
Ambient Air Temperature for Storage	-58...212 °F (-50...100 °C)
Shock resistance	100 gn 11 ms IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050


## Ordering and shipping details

Category	US10DS221561
Discount Schedule	0DS2
GTIN	3389119631938
Returnability	Yes
Country of origin	CH

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.61 in (4.1 cm)
Package 1 Width	1.77 in (4.5 cm)
Package 1 Length	3.35 in (8.5 cm)
Package 1 Weight	2.6 oz (75.0 g)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes
Circularity Profile	No need of specific recycling operations