Product data sheet
Characteristics

XMLP100PD230
Electronic pressure sensors, Pressure sensors XM, transmitter, XMLP, 100 PSI, 1/4"18NPT, 4...20 mA, M12, set 1



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 (689.48 kPa)
Local display	Without
Controlled fluid	Fresh water 32…275 °F (0…135 °C)) Air -40…275 °F (-40…135 °C)) Hydraulic oil -40…275 °F (-40…135 °C)) Gas -40…275 °F (-40…135 °C)) Refrigeration fluid -40…275 °F (-40…135 °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
Analogue output function	4...20 mA, 2-wire
Quantity per Set	Set of 1
Type of Packing	Individual

Complementary

Pressure setting range	0…100 psi (0.00…689.48 kPa)
Maximum permissible accidental pressure	300 psi (2068.43 kPa)
Destruction pressure	900 psi (6205.28 kPa)
Materials in contact with fluid	Stainless steel AISI 316L
Operating position	Any position
Protection Type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields EN/IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test EN/IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields EN/IEC 61000-4-6 10 V 0.01...80 MHz
[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
Mechanical durability	10000000 cycles
Net Weight	0.19 lb(US) (0.088 kg)
Diameter	1.02 in (26 mm)
Length	1.42 in (36 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.
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Environment

Standards	EN/IEC 61326-2-3 NSF ANSI 61
Product Certifications	EAC CULus RCM CE
Protective treatment	TC
Ambient Air Temperature for Operation	-22…185 °F (-30…85 °C)
Ambient Air Temperature for Storage	-58…212 °F (-50…100 °C)
Vibration resistance	20 gn 15…2000 Hz) EN/IEC 60068-2-6
Shock resistance	100 gn 11 ms EN/IEC 60068-2-27
IP degree of protection	IP65 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529 IP69K conforming to EN/IEC 60529

Ordering and shipping details

Category	22419-PRESSURE SWITCH IEC (HIGH,LOW,GEN)
Discount Schedule	DS2
GTIN	3389119639514
Returnability	Yes
Country of origin	CH

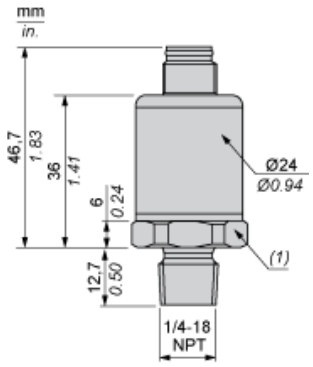
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.65 in (4.2 cm)
Package 1 Width	3.39 in (8.6 cm)
Package 1 Length	1.73 in (4.4 cm)
Package 1 Weight	3.10 oz (88.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	5.91 in (15.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	5.23 lb(US) (2.373 kg)

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 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
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

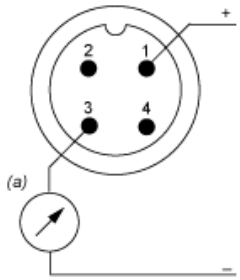
Dimensions



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

Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I out

Curves

