

Product data sheet

XMLP100BD21F

Pressure sensor, XMLP, pressure range 100 bar, output 4-20 mA, G1/4A male, M12 connector, FPM seal

Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Pressure transmitter
Product or component type	Electronic pressure sensors
Pressure sensor name	XMLP
ETIM classification	ETIM 9 - EC000243 - Pressure switch
Materials in contact with fluid	Fluorocarbon FPM stainless steel AISI 316L
Operating position	Any position
Maximum permissible accidental pressure	300 Bar
Destruction pressure	600 Bar
Controlled fluid	Air (-30-135 °C), fresh water (0-135 °C), hydraulic oil (-30-135 °C), gas (-30-135 °C), refrigeration fluid (-30-135 °C)
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Local display	Without
Diameter	26 mm
Product certifications	CE cULus RCM
Standards	IEC 61326-2-3 NSF ANSI 61
Indivisible sale quantity	1
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Mechanical durability	10000000 cycles
Electrical connection	1 male connector M12 4 pins
Electrical circuit type	Control circuit
[Us] rated supply voltage	12...24 V DC SELV (voltage limits: 7-33 V)
[Uimp] rated impulse withstand voltage	0.5 kV
Current consumption	< 23 mA

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.
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Protection type	Load short-circuit reverse polarity
Type of output signal	Analogue
Analogue output function	4...20 mA, 2-wire
Response time on output	<= 2 ms 10...90 % of full scale
Measurement accuracy	+/- 0,5 % de la plage de mesure
Accuracy	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
Length	38.1 mm
Product weight	0.094 kg

Environment

IP degree of protection	IP65 conforming to IEC 60529, IP67 conforming to IEC 60529, IP69K conforming to IEC 60529
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
Vibration resistance	20 gn (f = 15-2000 Hz) conforming to IEC 60068-2-6
Electromagnetic compatibility	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, susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 80...3000 MHz, radiated RF fields conforming to IEC 61000-4-6 10 V 0.01...80 MHz
Protective treatment	TC

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

Warranty

Warranty	18 months

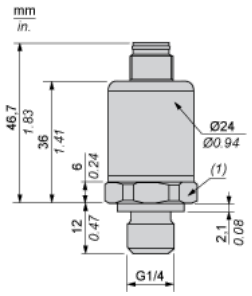
Packing Units

Country of origin	CH (Switzerland)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916022726
Package 1 height	4.2 cm
Package 1 width	4.7 cm
Package 1 length	8.7 cm

Package 1 weight	0.094 kg
Unit type of package 2	S01
Number of units in package 2	24
New Package 2 GTIN 14	13666916022723
Package 2 height	15 cm
Package 2 width	15 cm
Package 2 length	40 cm
Package 2 weight	2.527 kg
Unit type of package 3	S03
Number of units in package 3	120
New Package 3 GTIN 14	23666916022720
Package 3 height	30 cm
Package 3 width	30 cm
Package 3 length	40 cm

Technical Drawings

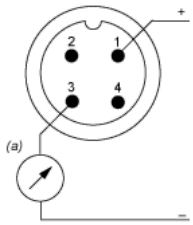
Dimensions



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

Wiring Diagram

2-Wire Technique (4-20 mA)



- (a) I out

Curves

