


# Product data sheet

# XMLP400BD21F

Pressure sensor, XMLP, pressure range 400 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<br>stainless steel AISI 316L |
| Operating position | Any position |
| Maximum permissible accidental pressure | 1200 Bar |
| Destruction pressure | 2400 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<br>cULus<br>RCM |
| Standards | IEC 61326-2-3<br>NSF ANSI 61 |
| Indivisible sale quantity | 1 |
| Quantity per set | Set of 1 |
| Type of packing | Individual |

## Complementary

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|---|---|
| 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.
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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| | |
|---|---|
| Protection type | Load short-circuit<br>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

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|---|---|
| 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

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|---|---|
| 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

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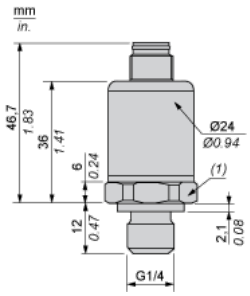
|---|---|
| Country of origin | CH (Switzerland) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916022122 |
| Package 1 height | 4.2 cm |
| Package 1 width | 4.6 cm |
| Package 1 length | 8.8 cm |

| | |
|---|---|
| Package 1 weight | 0.094 kg |
| Unit type of package 2 | S01 |
| Number of units in package 2 | 24 |
| New Package 2 GTIN 14 | 13666916022129 |
| Package 2 height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 2.526 kg |
| Unit type of package 3 | S03 |
| Number of units in package 3 | 120 |
| New Package 3 GTIN 14 | 23666916022126 |
| Package 3 height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 length | 40 cm |

## Technical Drawings

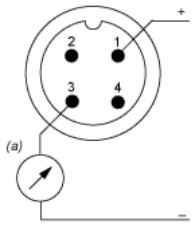
### Dimensions




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

### Wiring Diagram

#### 2-Wire Technique (4-20 mA)




- (a) I out

## Curves

