

XMLP250BC21F

Electronic pressure sensors, Pressure sensors XM, transmitter, XMLP, 250 bar, G1/4 A male, 4...20 mA, DIN, set of 1



Main

| | |
|---------------------------|--|
| Range of product | OsiSense XM |
| Product or component type | Electronic pressure sensors |
| Pressure sensor type | Pressure transmitter |
| Pressure sensor name | XMLP |
| Electrical circuit type | Control circuit |
| Pressure rating | 250 bar |
| Local display | Without |
| 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 |
| Electrical connection | 1 male connector EN 175301-803-A (ex DIN43650) 3 pins |
| [Us] rated supply voltage | 12...24 V DC SELV (voltage limits: 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...250 bar |
| Maximum permissible accidental pressure | 750 bar |
| Destruction pressure | 1500 bar |
| Materials in contact with fluid | Fluorocarbon FPM Stainless steel AISI 316L |
| Operating position | Any position |
| Protection type | Load short-circuit Reverse polarity |
| Electromagnetic compatibility | Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields conforming to 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 |

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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|------------|---------|
| Net weight | 0.11 kg |
| Diameter | 26 mm |
| Length | 60.6 mm |

Environment

| | |
|---------------------------------------|---|
| Standards | NSF ANSI 61 EN/IEC 61326-2-3 |
| Product certifications | CE CULus EAC RCM |
| Protective treatment | TC |
| Ambient air temperature for operation | -30...85 °C |
| Ambient air temperature for storage | -50...100 °C |
| Vibration resistance | 20 gn (f = 15...2000 Hz) conforming to EN/IEC 60068-2-6 |
| Shock resistance | 100 gn for 11 ms conforming to EN/IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to EN/IEC 60529 |

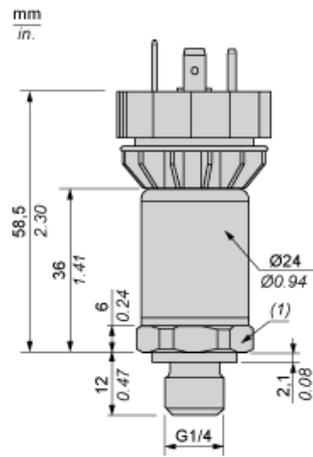
Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 116.0 g |
| Package 1 Height | 4.2 cm |
| Package 1 width | 4.7 cm |
| Package 1 Length | 8.8 cm |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 2.965 kg |
| Package 2 Height | 15.0 cm |
| Package 2 width | 15.0 cm |
| Package 2 Length | 40.0 cm |

Offer Sustainability

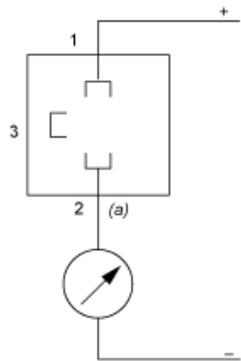
| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |

Dimensions



Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I out

Curves

