

XMLP025BD27Q

pressure transmitter - XMLP - 25bars - 7/16
male - 4..20mA - M12 - set of 40



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 sensor size | 25 bar |
| Local display | Without |
| Controlled fluid | Refrigeration fluid -30...120 °C Gas -30...120 °C Hydraulic oil -30...120 °C Air -30...120 °C Fresh water 0...120 °C |
| Fluid connection type | SAE 7/16-20UNF-2A (male) |
| Electrical connection | 1 male connector M12 4 pins |
| [Us] rated supply voltage | 12...24 V DC SELV, voltage limits: 8...30 V |
| Current consumption | < 20 mA |
| Type of output signal | Analogue |
| Analogue output function | 4...20 mA, 2-wire |
| Quantity per set | Set of 40 |
| Type of packing | Group |

Complementary

| | |
|---|---|
| Pressure setting range | 0...25 bar |
| Maximum permissible accidental pressure | 50 bar |
| Destruction pressure | 200 bar |
| Materials in contact with fluid | Stainless steel type 17-4PH Stainless steel type AISI 304 |
| Operating position | Any position |
| Protection type | Load short-circuit Reverse polarity |
| Electromagnetic compatibility | Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz) 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 500 V 12 Ohm, 1 kV 42 Ohm Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz) |
| [Uimp] rated impulse withstand voltage | 0.5 kV |
| Response time on output | < 5 ms |
| Measurement accuracy | +/- 0.5 % of the measuring range |
| Repeat accuracy | +/- 0.1 % of the measuring range |
| Mechanical durability | >= 10000000 cycles |
| Product weight | 0.05 kg |
| Diameter | 30 mm |
| Length | 26 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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

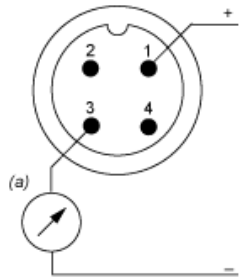
| | |
|---------------------------------------|---|
| Standards | CE EN/IEC 61326-1 |
| Product certifications | CULus RCM EAC |
| Protective treatment | TC |
| Ambient air temperature for operation | -30...100 °C |
| Ambient air temperature for storage | -30...100 °C |
| Vibration resistance | 20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-64 |
| Shock resistance | 25 gn for 11 ms conforming to EN/IEC 60068-2-27 |
| IP degree of protection | IP69K conforming to DIN 40050 IP67 conforming to EN/IEC 60529 IP65 conforming to EN/IEC 60529 |

Offer Sustainability

| | |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1136 - Schneider Electric declaration of conformity |

Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I out

Curves

