

# XMLPM09BD71VQ

pressure transmitter - XMLP - -1+9bar - G1/4A  
male - 0..10V - 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      | -1...9 bar                                                                                                                       |
| Local display             | Without                                                                                                                          |
| Controlled fluid          | Air -20...120 °C<br>Fresh water 0...120 °C<br>Hydraulic oil -20...120 °C<br>Gas -20...120 °C<br>Refrigeration fluid -20...120 °C |
| Fluid connection type     | G 1/4A (male) conforming to DIN 3852-E                                                                                           |
| Electrical connection     | 1 male connector M12 4 pins                                                                                                      |
| [Us] rated supply voltage | 24 V DC SELV, voltage limits: 14...30 V                                                                                          |
| Current consumption       | < 10 mA                                                                                                                          |
| Type of output signal     | Analogue                                                                                                                         |
| Analogue output function  | 0...10 V, 3-wire                                                                                                                 |
| Quantity per set          | Set of 40                                                                                                                        |
| Type of packing           | Group                                                                                                                            |

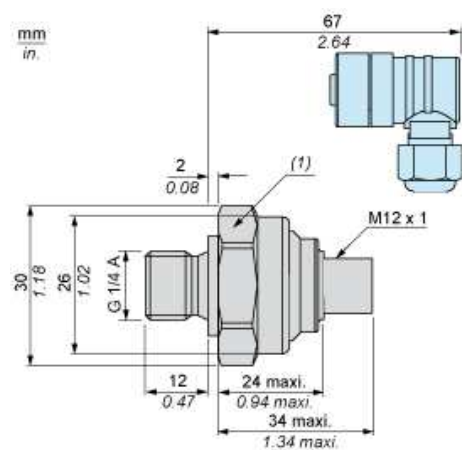
## Complementary

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure setting range                  | -1...9 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Maximum permissible accidental pressure | 20 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Destruction pressure                    | 100 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Materials in contact with fluid         | Stainless steel type 17-4PH<br>Stainless steel type AISI 304<br>Fluorocarbon FKM (Viton)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Operating position                      | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protection type                         | Load short-circuit<br>Reverse polarity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Electromagnetic compatibility           | Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz)<br>Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV<br>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<br>Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz)<br>Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact |
| [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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Environment

|                                       |                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------|
| Standards                             | CE<br>EN/IEC 61326-1                                                                                |
| Product certifications                | CULus<br>RCM<br>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               | IP65 conforming to EN/IEC 60529<br>IP67 conforming to EN/IEC 60529<br>IP69K conforming to DIN 40050 |

## Dimensions



(1) SW27 Tightening torque  $\leq 25$  Nm / 221 Lb-in

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## Wiring Diagram

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### 3-Wire Technique (0-10 V)



(a) V out

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Curves

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