

# XMLG010D23TQ

pressure sensor XMLG - 0..10 bars - 1/4" NPT male - 24 V- 4..20 mA - set of 25



## Main

|                           |  |
|---------------------------|--|
| Range of product          | OsiSense XM  |
| Product or component type | Electronic pressure sensors  |
| Pressure sensor type      | Pressure transmitter   |
| Pressure sensor name      | XMLG   |
| Pressure sensor size      | 10 bar   |
| Fluid connection type     | 1/4" - 18 NPT (male)   |
| Controlled fluid          | Fresh water (0...125 °C)<br>Hydraulic oil (-15...125 °C)<br>Corrosive fluid (-15...125 °C)<br>Air (-15...125 °C) |
| Type of output signal     | Analogue   |
| Analogue output function  | 4...20 mA, 2 wires   |
| Electrical connection     | 3 pins 1 male connector M12  |
| [Us] rated supply voltage | 24 V DC, voltage limits: 8...33 V<br>12 V DC, voltage limits: 8...33 V   |
| Quantity per set          | Set of 25  |
| Type of packing           | Group  |
| Diameter                  | 22.8 mm  |

## Complementary

|   |  |
|---|--|
| Pressure setting range                  | 0...10 bar   |
| Maximum permissible accidental pressure | 22 bar   |
| Destruction pressure                    | 25 bar   |
| Local display                           | Without  |
| Electrical circuit type                 | Control circuit  |
| Current consumption                     | < 20 mA  |
| Materials in contact with fluid         | Ceramic<br>FPM (Viton)<br>Stainless steel type AISI 303  |
| Operating position                      | Any position   |
| Protection type                         | Load short-circuit<br>Reverse polarity   |
| Surge withstand                         | 500 kV (12 Ohm) conforming to EN/IEC 61000-4-5<br>1 kV (42 Ohm) conforming to EN/IEC 61000-4-5 |
| [Uimp] rated impulse withstand voltage  | 0.5 kV   |
| Response time on output                 | < 2 ms   |
| Drift of the sensitivity                | +/- 0.015 % of measuring range/°C  |
| Drift of the zero point                 | +/- 0.015 % of measuring range/°C  |
| Measurement accuracy                    | +/- 0.3 % of the measuring range   |
| Repeat accuracy                         | +/- 0.1 % of the measuring range   |
| Mechanical durability                   | >= 10000000 cycles   |
| Product weight                          | 0.095 kg   |
| Height                                  | 58.1 mm  |

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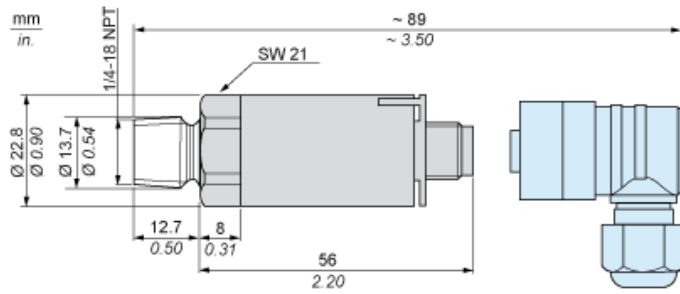
## Environment

|   |   |
|---|---|
| Standards   | CE<br>EN/IEC 61326-2-3  |
| Product certifications  | UL 508<br>CSA C22.2 No 14<br>EAC  |
| Protective treatment  | TC  |
| Ambient air temperature for operation                                   | -15...85 °C   |
| Ambient air temperature for storage                                     | -40...85 °C   |
| Vibration resistance  | 20 gn (f = 9...2000 Hz) conforming to EN/IEC 60028-2-6  |
| Shock resistance  | 25 gn for 11 ms conforming to EN/IEC 60068-2-27   |
| Resistance to electrostatic discharge                                   | 8 kV (on contact) conforming to EN/IEC 61000-4-2<br>15 kV (in air) conforming to EN/IEC 61000-4-2 |
| Resistance to electromagnetic fields                                    | 200 V/m (80...1000 Hz) conforming to EN/IEC 61000-4-3   |
| Resistance to fast transients   | 4 kV conforming to EN/IEC 61000-4-4   |
| Resistance to conducted disturbances, induced by radio frequency fields | 30 V (0.15...80 Hz) conforming to EN/IEC 61000-4-6  |
| Resistance to magnetic fields   | 30 A/m (50 Hz) conforming to EN/IEC 61000-4-8   |
| IP degree of protection   | IP67 conforming to EN/IEC 60529<br>IP66 conforming to EN/IEC 60529                                |
| NEMA degree of protection   | NEMA 4  |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0627 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold                                     |

Dimensions



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## Wiring Diagram

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



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Output Curves

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