

# XMLG001D23

Electronic pressure sensors, Pressure sensors XM, sensor XMLG, 0...1 bar, 1/4" NPT male, 24 V, 4...20 mA, set of 1



## Main

|                           |                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product          | Telemecanique Pressure sensors XM                                                                                                                                 |
| Product or Component Type | Electronic pressure sensors                                                                                                                                       |
| Pressure sensor type      | Pressure transmitter                                                                                                                                              |
| Pressure sensor name      | XMLG                                                                                                                                                              |
| Pressure sensor size      | 14.50 psi (1 bar)                                                                                                                                                 |
| Fluid connection type     | 1/4" - 18 NPT (male)                                                                                                                                              |
| Controlled fluid          | Air 5...257 °F (-15...125 °C))<br>Corrosive fluid 5...257 °F (-15...125 °C))<br>Hydraulic oil 5...257 °F (-15...125 °C))<br>Fresh water 32...257 °F (0...125 °C)) |
| Type of output signal     | Analogue                                                                                                                                                          |
| Analogue output function  | 4...20 mA, 2 wires                                                                                                                                                |
| Electrical connection     | 1 male connector M12, 3 pins                                                                                                                                      |
| [Us] rated supply voltage | 12 V DC 8...33 V)<br>24 V DC 8...33 V)                                                                                                                            |
| Quantity per Set          | Set of 1                                                                                                                                                          |
| Type of Packing           | Individual                                                                                                                                                        |
| Diameter                  | 0.90 in (22.8 mm)                                                                                                                                                 |

## Complementary

|                                         |                                                                |
|-----------------------------------------|----------------------------------------------------------------|
| Pressure setting range                  | 0.00...14.50 psi (0...1 bar)                                   |
| Maximum permissible accidental pressure | 39.16 psi (2.7 bar)                                            |
| Destruction pressure                    | 43.51 psi (3 bar)                                              |
| Local display                           | Without                                                        |
| Electrical circuit type                 | Control circuit                                                |
| Current Consumption                     | < 20 mA                                                        |
| Materials in contact with fluid         | Stainless steel type AISI 303<br>FPM (Viton)<br>Ceramic        |
| Operating position                      | Any position                                                   |
| Protection Type                         | Load short-circuit<br>Reverse polarity                         |
| Surge withstand                         | 1 kV 42 Ohm EN/IEC 61000-4-5<br>500 kV 12 Ohm 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                          | 0.21 lb(US) (0.095 kg)                                         |
| Height                                  | 2.29 in (58.1 mm)                                              |
| Length                                  | 1.91 in (48.5 mm)                                              |

## Environment

|                                       |                                                                    |
|---------------------------------------|--------------------------------------------------------------------|
| Standards                             | CE<br>EN/IEC 61326-2-3                                             |
| Product Certifications                | EAC<br>UL 508<br>CSA C22.2 No 14                                   |
| Protective treatment                  | TC                                                                 |
| Ambient Air Temperature for Operation | 5...185 °F (-15...85 °C)                                           |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                         |
| Vibration resistance                  | 20 gn 9...2000 Hz)EN/IEC 60028-2-6                                 |
| Shock resistance                      | 25 gn 11 ms EN/IEC 60068-2-27                                      |
| Resistance to electrostatic discharge | 15 kV in air EN/IEC 61000-4-2<br>8 kV on contact EN/IEC 61000-4-2  |
| Resistance to electromagnetic fields  | 182.88 V/m (200 V/m) 80...1000 Hz EN/IEC 61000-4-3                 |
| Resistance to fast transients         | 4 kV EN/IEC 61000-4-4                                              |
| Resistance to conducted disturbances  | 30 V 0.15...80 Hz)EN/IEC 61000-4-6                                 |
| Resistance to magnetic fields         | 98.43 A/m (30 A/m) 50 Hz EN/IEC 61000-4-8                          |
| IP degree of protection               | IP66 conforming to EN/IEC 60529<br>IP67 conforming to EN/IEC 60529 |
| NEMA Degree of Protection             | NEMA 4                                                             |

## Ordering and shipping details

|                   |                                       |
|-------------------|---------------------------------------|
| Category          | 21551-XMLE,XMLF,XMLG PRESSURE SENSORS |
| Discount Schedule | DS2                                   |
| GTIN              | 3389118342187                         |
| Returnability     | No                                    |
| Country of origin | CH                                    |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 1.97 in (5.0 cm)  |
| Package 1 Width              | 4.13 in (10.5 cm) |
| Package 1 Length             | 5.31 in (13.5 cm) |
| Package 1 Weight             | 4.80 oz (136.0 g) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                                                                                                                                                                                                                                                                           |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

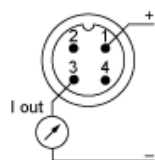


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## Wiring Diagram

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



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## Output Curves

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