

# XMLGM01D71

Electronic pressure sensors, Pressure sensors  
XM, sensor XMLG, (-0.08...-1) bar, G 1/4 A  
(male), 24 V, 0...10 V



## 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 rating           | -1 bar                                                                                                           |
| Fluid connection type     | G 1/4A (male) conforming to DIN 3852-E                                                                           |
| Controlled fluid          | Air (-15...125 °C)<br>Corrosive fluid (-15...125 °C)<br>Hydraulic oil (-15...125 °C)<br>Fresh water (0...125 °C) |
| Type of output signal     | Analogue                                                                                                         |
| Analogue output function  | 0...10 V, 3 wires                                                                                                |
| Electrical connection     | 1 male connector M12, 3 pins                                                                                     |
| [Us] rated supply voltage | 24 V DC (voltage limits: 11.4...33 V)                                                                            |
| Quantity per set          | Set of 1                                                                                                         |
| Type of packing           | Individual                                                                                                       |
| Diameter                  | 22.8 mm                                                                                                          |

## Complementary

|                                         |                                                                                      |
|-----------------------------------------|--------------------------------------------------------------------------------------|
| Pressure setting range                  | -1...0 bar                                                                           |
| Maximum permissible accidental pressure | 2.7 bar                                                                              |
| Destruction pressure                    | 3 bar                                                                                |
| Local display                           | Without                                                                              |
| Electrical circuit type                 | Control circuit                                                                      |
| Current consumption                     | < 20 mA                                                                              |
| Materials in contact with fluid         | Ceramic<br>Stainless steel type AISI 303<br>FPM (Viton)                              |
| Operating position                      | Any position                                                                         |
| Protection type                         | Load short-circuit<br>Reverse polarity                                               |
| Surge withstand                         | 1 kV 42 Ohm conforming to IEC 61000-4-5<br>500 kV 12 Ohm conforming to 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                                                                      |
| Net weight                              | 0.095 kg                                                                             |
| Height                                  | 58.1 mm                                                                              |
| Length                                  | 48.5 mm                                                                              |

## Environment

|                                       |                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Standards                             | CE<br>IEC 61326-2-3                                                                     |
| Product certifications                | UL 508[RETURN]CSA C22.2 No 14                                                           |
| 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 IEC 60028-2-6                                      |
| Shock resistance                      | 25 gn for 11 ms conforming to IEC 60068-2-27                                            |
| Resistance to electrostatic discharge | 15 kV in air conforming to IEC 61000-4-2<br>8 kV on contact conforming to IEC 61000-4-2 |
| Resistance to electromagnetic fields  | 200 V/m 80...1000 Hz conforming to IEC 61000-4-3                                        |
| Resistance to fast transients         | 4 kV conforming to IEC 61000-4-4                                                        |
| Resistance to conducted disturbances  | 30 V (0.15...80 Hz) conforming to IEC 61000-4-6                                         |
| Resistance to magnetic fields         | 30 A/m 50 Hz conforming to IEC 61000-4-8                                                |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529                            |
| NEMA degree of protection             | NEMA 4                                                                                  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 5.0 cm   |
| Package 1 Width              | 10.5 cm  |
| Package 1 Length             | 13.5 cm  |
| Package 1 Weight             | 0.133 kg |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 12       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 2.051 kg |

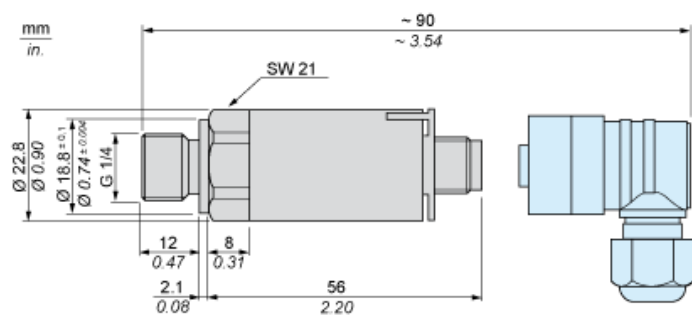
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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

## Dimensions

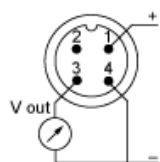


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## Wiring Diagram

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



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## Output Curves

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