

# XMLG010D21

Electronic pressure sensors, Pressure sensors XM, sensor XMLG, 0...10 bar, G 1/4 A (male), 24 V, 4...20 mA



## 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           | 145.04 psi (10 bar)                                                                                                                                               |
| Fluid connection type     | G 1/4A (male) DIN 3852-E                                                                                                                                          |
| 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...145.04 psi (0...10 bar)                           |
| Maximum permissible accidental pressure | 319.08 psi (22 bar)                                      |
| Destruction pressure                    | 362.59 psi (25 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 IEC 61000-4-5<br>500 kV 12 Ohm 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                              | 0.21 lb(US) (0.095 kg)                                   |
| Height                                  | 2.29 in (58.1 mm)                                        |
| Length                                  | 1.91 in (48.5 mm)                                        |
| Scale type                              | Fixed differential                                       |

## 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 | 5...185 °F (-15...85 °C)                                     |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                   |
| Vibration resistance                  | 20 gn 9...2000 Hz)IEC 60028-2-6                              |
| Shock resistance                      | 25 gn 11 ms IEC 60068-2-27                                   |
| Resistance to electrostatic discharge | 15 KV in air IEC 61000-4-2<br>8 kV on contact IEC 61000-4-2  |
| Resistance to electromagnetic fields  | 182.88 V/m (200 V/m) 80...1000 Hz IEC 61000-4-3              |
| Resistance to fast transients         | 4 kV IEC 61000-4-4                                           |
| Resistance to conducted disturbances  | 30 V 0.15...80 Hz)IEC 61000-4-6                              |
| Resistance to magnetic fields         | 98.43 A/m (30 A/m) 50 Hz 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                                                       |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10DS221551  |
| Discount Schedule | 0DS2          |
| GTIN              | 3389110969603 |
| Returnability     | No            |
| Country of origin | US            |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 1.97 in (5.000 cm)     |
| Package 1 Width              | 4.13 in (10.500 cm)    |
| Package 1 Length             | 5.31 in (13.500 cm)    |
| Package 1 Weight             | 4.94 oz (140.000 g)    |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 12                     |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 Width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |
| Package 2 Weight             | 4.24 lb(US) (1.925 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 |
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## 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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