

# XMLK150P2D73

Electronic pressure sensors, Pressure sensors XM, sensor XMLK, 0...150 PSI, 1/4NPT, 0...10 V, M12, 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      | XMLK                                                               |
| Electrical circuit type   | Control circuit                                                    |
| Pressure Rating           | 150 psi (1034.21 kPa)                                              |
| Local display             | Without                                                            |
| Controlled fluid          | Air 32...176 °F (0...80 °C)<br>Fresh water 32...176 °F (0...80 °C) |
| Fluid connection type     | 1/4" - 18 NPT (male)                                               |
| Electrical connection     | 1 male connector M12 4 pins                                        |
| [Us] rated supply voltage | 24 V DC SELV 16.2...33 V)                                          |
| Current Consumption       | < 6 mA                                                             |
| Type of output signal     | Analogue                                                           |
| Analogue output function  | 0...10 V, 3-wire                                                   |
| Quantity per Set          | Set of 1                                                           |
| Type of Packing           | Individual                                                         |

## Complementary

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure setting range                  | 0...150 psi (0.00...1034.21 kPa)                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum permissible accidental pressure | 300 psi (2068.43 kPa)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Destruction pressure                    | 450 psi (3102.64 kPa)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Materials in contact with fluid         | Ceramic<br>Nitrile (NBR)<br>Stainless steel type AISI 303                                                                                                                                                                                                                                                                                                                                                                                       |
| Operating position                      | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protection Type                         | Reverse polarity<br>Load short-circuit                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electromagnetic compatibility           | Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 6 kV contact<br>Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...1000 MHz<br>Electrical fast transient/burst immunity test EN/IEC 61000-4-4 2 kV<br>1.2/50 µs shock waves immunity test EN/IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm<br>Radiated RF fields EN/IEC 61000-4-6 10 V 0.15...80 MHz<br>Immunity to magnetic fields EN/IEC 61000-4-8 30 A/m 50 Hz |
| [Uimp] rated impulse withstand voltage  | 0.5 kV                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Response time on output                 | < 5 ms                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Measurement accuracy                    | +/- 1 % of the measuring range                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Resolution                              | 0.1 % of the measuring range                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Drift of the sensitivity                | +/- 0.04 % of measuring range/°K                                                                                                                                                                                                                                                                                                                                                                                                                |
| Drift of the zero point                 | +/- 0.03 % of measuring range/°K                                                                                                                                                                                                                                                                                                                                                                                                                |
| Long term stability                     | +/- 1 % of the measuring range                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mechanical durability                   | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Net Weight                              | 0.24 lb(US) (0.11 kg)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diameter                                | 1.42 in (36 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Length                                  | 2.58 in (65.5 mm)                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Scale type                              | Fixed differential                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Standards                             | EN/IEC 61326-2-3<br>CE                  |
| Product Certifications                | CSA C22.2 No 14<br>EAC<br>UL 508<br>RCM |
| Protective treatment                  | TC                                      |
| Ambient Air Temperature for Operation | 32...176 °F (0...80 °C)                 |
| Ambient Air Temperature for Storage   | -13...176 °F (-25...80 °C)              |
| Vibration resistance                  | 20 gn 9...2000 Hz) EN/IEC 60068-2-6     |
| Shock resistance                      | 25 gn 11 ms EN/IEC 60068-2-27           |
| IP degree of protection               | IP65 conforming to EN/IEC 60529         |
| NEMA Degree of Protection             | NEMA 4                                  |

## Ordering and shipping details

|                   |                                       |
|-------------------|---------------------------------------|
| Category          | 21561-XMLK,XMLP PRESSURE TRANSMITTERS |
| Discount Schedule | DS2                                   |
| GTIN              | 3389119048941                         |
| Returnability     | Yes                                   |
| Country of origin | CH                                    |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 1.65 in (4.2 cm)       |
| Package 1 Width              | 2.64 in (6.7 cm)       |
| Package 1 Length             | 3.78 in (9.6 cm)       |
| Package 1 Weight             | 4.41 oz (125.0 g)      |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 24                     |
| Package 2 Height             | 5.91 in (15.0 cm)      |
| Package 2 Width              | 5.91 in (15.0 cm)      |
| Package 2 Length             | 15.75 in (40.0 cm)     |
| Package 2 Weight             | 7.07 lb(US) (3.208 kg) |

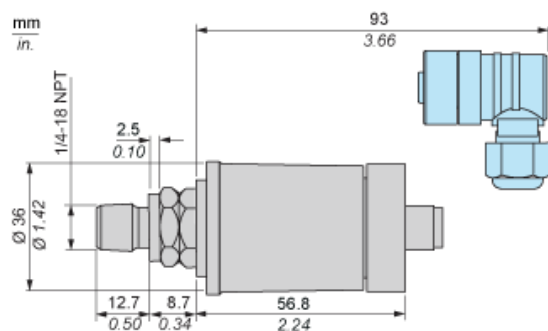
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
| 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 |
|----------|-----------|

## Dimensions

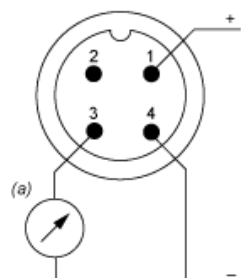


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## Wiring Diagram

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



(a) V out

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Output Curves

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