

# Product data sheet

Specifications



Electronic pressure sensors,  
Pressure sensors XM, sensor  
XMLK, 0...200 PSI, 1/4NPT, 4...20  
mA, M12, set of 1

XMLK200P2D23

## 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 sensor size      | 1378.95 kPa                                |
| Local display             | Without                                    |
| Controlled fluid          | Air (0...80 °C)<br>Fresh water (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 (voltage limits: 8...33 V)    |
| Current consumption       | < 20 mA                                    |
| Type of output signal     | Analogue                                   |
| Analogue output function  | 4...20 mA, 2-wire                          |
| Quantity per set          | Set of 1                                   |
| Type of packing           | Individual                                 |

## Complementary

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure setting range                  | 0.00...1378.95 kPa                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Maximum permissible accidental pressure | 2757.90 kPa                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Destruction pressure                    | 4136.85 kPa                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Materials in contact with fluid         | Nitrile (NBR)<br>Ceramic<br>Stainless steel type AISI 303                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating position                      | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protection type                         | Reverse polarity<br>Load short-circuit                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Electromagnetic compatibility           | Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 8 kV air, 6 kV contact<br>Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...1000 MHz<br>Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 2 kV<br>1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm<br>Radiated RF fields conforming to EN/IEC 61000-4-6 10 V 0.15...80 MHz |

|                                                                         |                                  |
|-------------------------------------------------------------------------|----------------------------------|
| Immunity to magnetic fields conforming to 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                  |
| Product weight                                                          | 0.11 kg                          |
| Diameter                                                                | 36 mm                            |
| Length                                                                  | 65.5 mm                          |
| Scale type                                                              | Fixed differential               |

## Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Standards                             | EN/IEC 61326-2-3<br>CE                                 |
| Product certifications                | UL 508<br>RCM<br>CSA C22.2 No 14<br>EAC                |
| Protective treatment                  | TC                                                     |
| Ambient air temperature for operation | 0...80 °C                                              |
| Ambient air temperature for storage   | -25...80 °C                                            |
| Vibration resistance                  | 20 gn (f = 9...2000 Hz) conforming to EN/IEC 60068-2-6 |
| Shock resistance                      | 25 gn for 11 ms conforming to EN/IEC 60068-2-27        |
| IP degree of protection               | IP65 conforming to EN/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             | 4.2 cm   |
| Package 1 Width              | 9.2 cm   |
| Package 1 Length             | 6.6 cm   |
| Package 1 Weight             | 126.0 g  |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 24       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 3.205 kg |

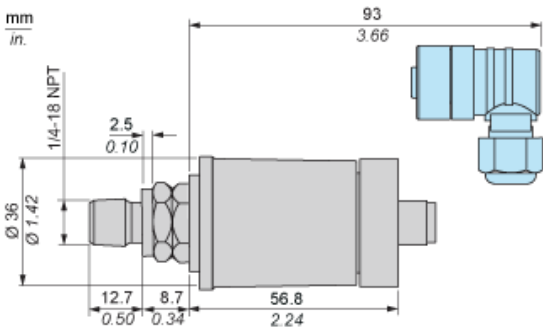
Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                 |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| 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> |

Contractual warranty

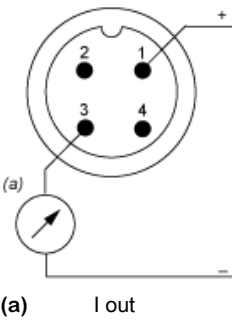
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions

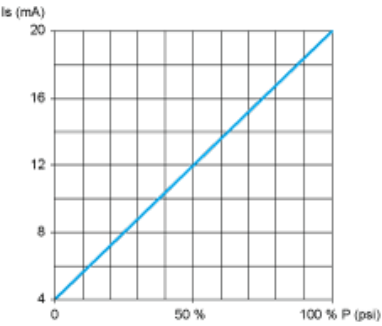


Wiring Diagram

2-Wire Technique (4-20 mA)



Output Curves



Recommended replacement(s)