

# XMLK006B2D21

Electronic pressure sensors, Pressure sensors XM, sensor XMLK, 0...6 bar, G 1/4 A, 4...20 mA, 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           | 6 bar                                      |
| Local display             | Without                                    |
| Controlled fluid          | Air (0...80 °C)<br>Fresh water (0...80 °C) |
| Fluid connection type     | G 1/4A (male) conforming to DIN 3852-E     |
| 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...6 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Maximum permissible accidental pressure | 12 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Destruction pressure                    | 18 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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 conforming to IEC 61000-4-2 8 kV air, 6 kV contact<br>Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 80...1000 MHz<br>Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 2 kV 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm<br>Radiated RF fields conforming to IEC 61000-4-6 10 V 0.15...80 MHz<br>Immunity to magnetic fields conforming to 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                              | 0.11 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Diameter                                | 36 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|            |                    |
|------------|--------------------|
| Length     | 67.5 mm            |
| Scale type | Fixed differential |

## Environment

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
| Standards                             | IEC 61326-2-3<br>CE                                 |
| Product certifications                | UL 508[RETURN]RCM[RETURN]CSA C22.2 No 14            |
| 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 IEC 60068-2-6 |
| Shock resistance                      | 25 gn for 11 ms conforming to IEC 60068-2-27        |
| IP degree of protection               | IP65 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             | 6.700 cm  |
| Package 1 Width              | 4.200 cm  |
| Package 1 Length             | 9.600 cm  |
| Package 1 Weight             | 126.000 g |
| Unit Type of Package 2       | S01       |
| Number of Units in Package 2 | 24        |
| Package 2 Height             | 15 cm     |
| Package 2 Width              | 15 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 3.253 kg  |

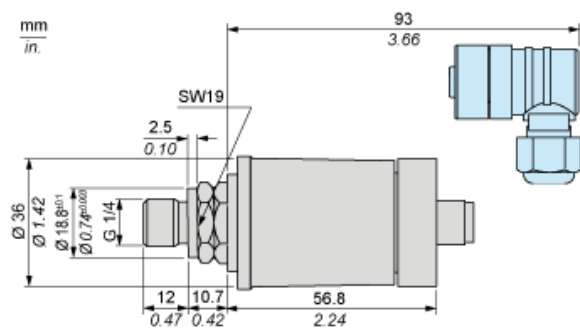
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)



(a) I out

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## Output Curves

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