# Product data sheet
## Characteristics

# XMLP040BC21V
## pressure transmitter - XMLP - 40bars - G1/4A male - 4..20mA - DIN - 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 | XMLP |
| Electrical circuit type | Control circuit |
| Pressure rating | 40 bar |
| Local display | Without |
| Controlled fluid | Air (-20…120 °C)<br>Fresh water (0…120 °C)<br>Hydraulic oil (-20…120 °C)<br>Gas (-20…120 °C)<br>Refrigeration fluid (-20…120 °C) |
| Fluid connection type | G 1/4A (male) conforming to DIN 3852-E |
| Electrical connection | 1 male connector EN 175301-803-A (ex DIN43650)<br>3 pins |
| [Us] rated supply voltage | 12...24 V DC SELV (voltage limits: 8…30 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…40 bar |
| Maximum permissible accidental pressure | 80 bar |
| Destruction pressure | 320 bar |
| Materials in contact with fluid | Stainless steel type 17-4PH<br>Fluorocarbon FKM (Viton)<br>Stainless steel type AISI 304 |
| Operating position | Any position |
| Protection type | Load short-circuit<br>Reverse polarity |
| Electromagnetic compatibility | 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<br>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>Electrostatic discharge immunity test conforming to IEC 61000-4-2 8 kV air, 4 kV contact |
| [Uimp] rated impulse withstand voltage | 0.5 kV |
| Response time on output | < 5 ms 92 % of full scale |
| Measurement accuracy | +/- 0.5 % of the measuring range |
| Resolution | Infinity |
| Drift of the sensitivity | +/- 0.02 % of measuring range/°K |
| Drift of the zero point | +/- 0.02 % of measuring range/°K |
| Long term stability | +/- 0.2 % of the measuring range |
| Mechanical durability | 10000000 cycles |
| Net weight | 0.05 kg |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---|---|
| Diameter | 30 mm |
| Length | 25 mm |
| Scale type | Fixed differential |

## Environment

| | |
|---|---|
| Standards | EN/IEC 61326-1<br>CE |
| Product certifications | RCM[RETURN]cULus |
| Protective treatment | TC |
| Ambient air temperature for operation | -30…100 °C |
| Ambient air temperature for storage | -30…100 °C |
| Vibration resistance | 20 gn (f = 10…2000 Hz) conforming to EN/IEC 60068-2-64 |
| Shock resistance | 25 gn for 11 ms conforming to IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to IEC 60529 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

## Offer Sustainability

| | |
|---|---|
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

## Contractual warranty

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