

XMLP001GC7BF

Electronic pressure sensors, Pressure sensors XM, transmitter 1 bar, 0...10 V DC, 7/16 20UNF female, FPM, DIN



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 | 1 bar |
| Local display | Without |
| Controlled fluid | Fresh water (0...125 °C) Air (-15...125 °C) Gas (-15...125 °C) Hydraulic oil (-15...125 °C) |
| Fluid connection type | SAE 7/16-20UNF (female) |
| Electrical connection | 1 male connector EN 175301-803-A (ex DIN43650) 3 pins |
| [Us] rated supply voltage | 24 V DC SELV (voltage limits: 12...33 V) |
| Current consumption | < 7 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...1 bar |
| Maximum permissible accidental pressure | 3 bar |
| Destruction pressure | 5 bar |
| Materials in contact with fluid | Fluorocarbon FPM Stainless steel AISI 316L Ceramic |
| Operating position | Any position |
| Protection type | Load short-circuit Reverse polarity |
| Electromagnetic compatibility | Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 2 kV Radiated RF fields conforming to IEC 61000-4-6 10 V 0.15...80 MHz Electrostatic discharge immunity test conforming to IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to IEC 61000-4-8 100 A/m 50 Hz |
| [Uimp] rated impulse withstand voltage | 0.5 kV |
| Response time on output | <= 2 ms 10...90 % of full scale |
| Measurement accuracy | +/- 0.5 % of the measuring range |
| Resolution | 0.1 % of the measuring range |
| Drift of the sensitivity | +/- 0.02 % of measuring range/°K |
| Drift of the zero point | +/- 0.02 % of measuring range/°K |
| Long term stability | +/- 0.25 % of the measuring range |
| Mechanical durability | 10000000 cycles |
| Net weight | 0.095 kg |

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|----------|-------|
| Diameter | 26 mm |
| Length | 58 mm |

Environment

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|---------------------------------------|--|
| Standards | NSF ANSI 61 IEC 61326-2-3 |
| Product certifications | cULus[RETURN]RCM[RETURN]CE |
| Ambient air temperature for operation | -30...85 °C |
| Ambient air temperature for storage | -50...100 °C |
| Vibration resistance | 20 gn (f = 10...2000 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 100 gn for 11 ms conforming to IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to IEC 60529 |

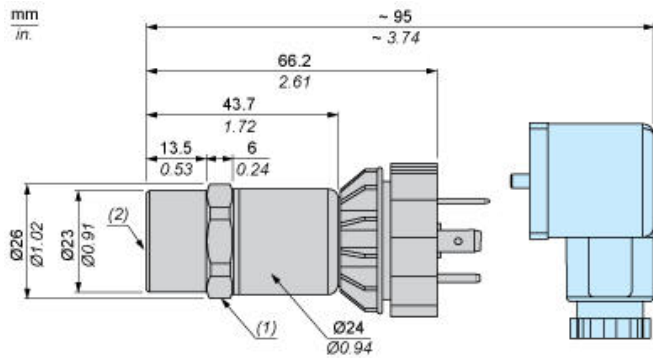
Packing Units

| | |
|------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.1 cm |
| Package 1 Width | 4.5 cm |
| Package 1 Length | 8.5 cm |
| Package 1 Weight | 95.0 g |

Offer Sustainability

| | |
|--|---|
| Sustainable offer status | Green Premium product |
| Circularity Profile | No need of specific recycling operations |
| 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 www.P65Warnings.ca.gov |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Dimensions

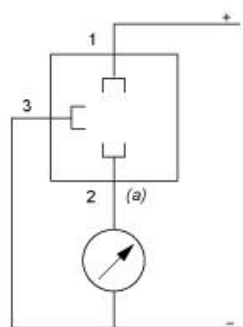


- (1) SW24 tightening torque ≤ 10 N.m / 221 lb-in
- (2) 7/16-20 UNF inside

Connection and Schema

Wiring Diagram

2-Wire Technique (4-20 mA)



(a) V out

Performance Curves

Curves

