

Product data sheet

Characteristics

XMLGM01D23

pressure sensor XMLG - (-1)..0 bar - 1/4" NPT
male - 24V- 4..20mA

Product availability : Stock - Normally stocked in distribution facility

Price** : 179.00 USD



Main

| | |
|---------------------------|---|
| Range of product | OsiSense XM |
| Product or component type | Electronic pressure sensors |
| Pressure sensor type | Pressure transmitter |
| Pressure sensor name | XMLG |
| Pressure sensor size | -14.50 psi (-1 bar) |
| Fluid connection type | 1/4" - 18 NPT (male) |
| Controlled fluid | Air 5...257 °F (-15...125 °C) Corrosive fluid 5...257 °F (-15...125 °C) Hydraulic oil 5...257 °F (-15...125 °C) Fresh water 32...257 °F (0...125 °C) |
| Type of output signal | Analogue |
| Analogue output function | 4...20 mA, 2 wires |
| Electrical connection | 1 male connector M12, 3 pins |
| [Us] rated supply voltage | 12 V DC 8...33 V 24 V DC 8...33 V |
| Quantity per set | Set of 1 |
| Type of packing | Individual |
| Diameter | 0.90 in (22.8 mm) |

Complementary

| | |
|---|---|
| Pressure setting range | -14.50...0.00 psi (-1...0 bar) |
| Maximum permissible accidental pressure | 39.16 psi (2.7 bar) |
| Destruction pressure | 43.51 psi (3 bar) |
| Local display | Without |
| Electrical circuit type | Control circuit |
| Current consumption | < 20 mA |
| Materials in contact with fluid | Ceramic FPM (Viton) Stainless steel type AISI 303 |
| Operating position | Any position |
| Protection type | Reverse polarity |

| | Load short-circuit |
|--|--|
| Surge withstand | 1 kV 42 Ohm EN/IEC 61000-4-5 500 kV 12 Ohm EN/IEC 61000-4-5 |
| [Uimp] rated impulse withstand voltage | 0.5 kV |
| Response time on output | < 2 ms |
| Drift of the sensitivity | +/- 0.015 % of measuring range/°C |
| Drift of the zero point | +/- 0.015 % of measuring range/°C |
| Measurement accuracy | +/- 0.3 % of the measuring range |
| Repeat accuracy | +/- 0.1 % of the measuring range |
| Mechanical durability | 10000000 cycles |
| Net weight | 0.21 lb(US) (0.095 kg) |
| Height | 2.29 in (58.1 mm) |
| Length | 1.91 in (48.5 mm) |

Environment

| | |
|---------------------------------------|---|
| Standards | CE EN/IEC 61326-2-3 |
| Product certifications | EAC UL 508 CSA C22.2 No 14 |
| Protective treatment | TC |
| Ambient air temperature for operation | 5...185 °F (-15...85 °C) |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Vibration resistance | 20 gn 9...2000 Hz)EN/IEC 60028-2-6 |
| Shock resistance | 25 gn 11 ms EN/IEC 60068-2-27 |
| Resistance to electrostatic discharge | 15 kV in air EN/IEC 61000-4-2 8 kV on contact EN/IEC 61000-4-2 |
| Resistance to electromagnetic fields | 182.88 V/m (200 V/m) 80...1000 Hz EN/IEC 61000-4-3 |
| Resistance to fast transients | 4 kV EN/IEC 61000-4-4 |
| Resistance to conducted disturbances | 30 V 0.15...80 Hz)EN/IEC 61000-4-6 |
| Resistance to magnetic fields | 98.43 A/m (30 A/m) 50 Hz EN/IEC 61000-4-8 |
| IP degree of protection | IP66 EN/IEC 60529 IP67 EN/IEC 60529 |
| NEMA degree of protection | NEMA 4 |

Ordering and shipping details

| | |
|---------------------|--------------------------------------|
| Category | 22661 - XMLA,B,C,D PRESSURE SWITCHES |
| Discount Schedule | DS2 |
| GTIN | 00785901653943 |
| Package weight(Lbs) | 0.13 kg (0.29 lb(US)) |
| Returnability | Yes |
| Country of origin | CH |

Offer Sustainability

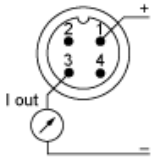
| | |
|----------------------------|---|
| RECh Regulation | REACH Declaration |
| RECh free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
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Wiring Diagram

2-Wire Technique (4-20 mA)



Output Curves

