

Product data sheet

Characteristics

XMLK100P2C23

Electronic pressure sensors, Pressure sensors
XM, sensor XMLK, 0...100 PSI, 1/4NPT, 4...20
mA, DIN, set of 1

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 77.00 USD



Main

| | |
|---------------------------|---|
| Range of product | OsiSense XM |
| Product or component type | Electronic pressure sensors |
| Pressure sensor type | Pressure transmitter |
| Pressure sensor name | XMLK |
| Electrical circuit type | Control circuit |
| Pressure Rating | 100 Psi (689.48 kPa) |
| Local display | Without |
| Controlled fluid | Air 32...176 °F (0...80 °C) Fresh water 32...176 °F (0...80 °C)) |
| Fluid connection type | 1/4" - 18 NPT (male) |
| Electrical connection | 1 male connector EN 175301-803-A (ex DIN43650) 4 pins |
| [Us] rated supply voltage | 24 V DC SELV 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

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|---|---|
| Pressure setting range | 0...100 Psi (0.00...689.48 kPa) |
| Maximum permissible accidental pressure | 200 Psi (1378.95 kPa) |
| Destruction pressure | 300 Psi (2068.43 kPa) |
| Materials in contact with fluid | Ceramic Stainless steel type AISI 303 Nitrile (NBR) |
| Operating position | Any position |
| Protection type | Reverse polarity Load short-circuit |

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|--|---|
| Electromagnetic compatibility | Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 6 kV contact Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test EN/IEC 61000-4-4 2 kV 1.2/50 µs shock waves immunity test EN/IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields EN/IEC 61000-4-6 10 V 0.15...80 MHz Immunity to magnetic fields 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 |
| Accuracy | 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 |
| Repeat accuracy | +/- 1 % of the measuring range |
| Mechanical durability | 10000000 Cycles |
| Net Weight | 0.24 Lb(US) (0.11 kg) |
| Diameter | 1.42 In (36 mm) |
| Length | 2.58 In (65.5 mm) |
| Scale type | Fixed differential |

Environment

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|---------------------------------------|---|
| Standards | EN/IEC 61326-2-3 CE |
| Product certifications | UL 508 RCM CSA C22.2 No 14 EAC |
| Protective treatment | TC |
| Ambient air temperature for operation | 32...176 °F (0...80 °C) |
| Ambient air temperature for storage | -13...176 °F (-25...80 °C) |
| Vibration resistance | 20 gn 9...2000 Hz) EN/IEC 60068-2-6 |
| Shock resistance | 25 gn 11 ms EN/IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to EN/IEC 60529 |
| NEMA degree of protection | NEMA 4 |

Ordering and shipping details

| | |
|-----------------------|---|
| Category | 21561 - XMLK,XMLP PRESSURE TRANSMITTERS |
| Discount Schedule | DS2 |
| GTIN | 03389119048767 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 4.62 Oz (131 g) |
| Returnability | No |
| Country of origin | CH |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.61 In (4.1 cm) |
| Package 1 width | 2.56 In (6.5 cm) |
| Package 1 Length | 3.74 In (9.5 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 7.44 Lb(US) (3.374 kg) |
| Package 2 Height | 5.91 In (15 cm) |
| Package 2 width | 5.91 In (15 cm) |
| Package 2 Length | 15.75 In (40 cm) |

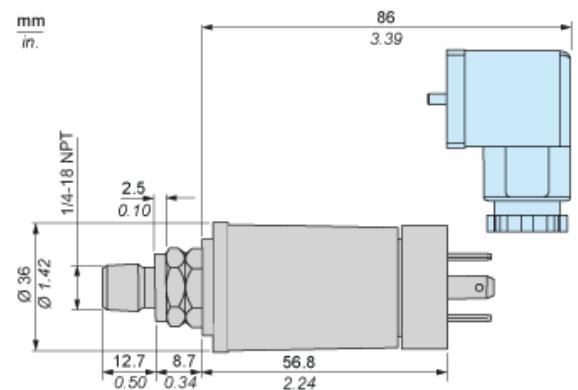
Offer Sustainability

| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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 |
| REACH Regulation | <input checked="" type="checkbox"/> REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) <input checked="" type="checkbox"/> EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | <input checked="" type="checkbox"/> Yes |

Contractual warranty

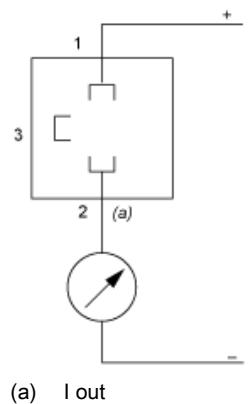
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|----------|-----------|
| Warranty | 18 months |
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Dimensions



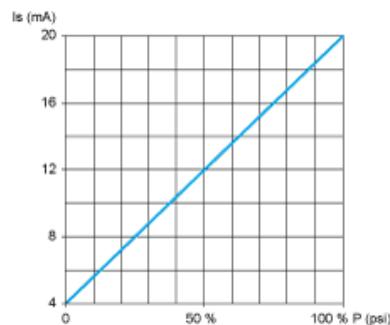
Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I out

Output Curves



Product Life Status : Commercialised