



Main

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| 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 sensor size | 145.04 psi (10 bar) |
| Local display | Without |
| Controlled fluid | Air 32...176 °F (0...80 °C)) Fresh water 32...176 °F (0...80 °C)) |
| Fluid connection type | G 1/4A (male) DIN 3852-E |
| 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 25 |
| Type of packing | Group |

Complementary

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| Pressure setting range | 0.00...145.04 psi (0...10 bar) |
| Maximum permissible accidental pressure | 290.08 psi (20 bar) |
| Destruction pressure | 435.11 psi (30 bar) |
| Materials in contact with fluid | Ceramic Nitrile (NBR) Stainless steel type AISI 303 |
| Operating position | Any position |
| Protection type | Load short-circuit Reverse polarity |
| 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 |

Disclaimer: 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

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

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|--|----------------------------------|
| [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 | 0.24 lb(US) (0.11 kg) |
| Diameter | 1.42 in (36 mm) |
| Length | 2.66 in (67.5 mm) |

Environment

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|---------------------------------------|---|
| Standards | EN/IEC 61326-2-3 CE |
| Product certifications | UL 508 EAC RCM CSA C22.2 No 14 |
| 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 |

Packing Units

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|------------------------------|-----------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 3.88 oz (110 g) |
| Package 1 Height | 4.33 in (11 cm) |
| Package 1 width | 7.87 in (20 cm) |
| Package 1 Length | 7.87 in (20 cm) |

Offer Sustainability

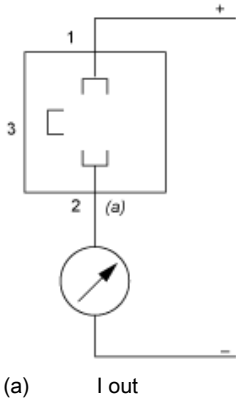
| | |
|----------------------------|---|
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |

Contractual warranty

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| Warranty | 18 months |
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Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I out

Output Curves

