

XMLP150PD23

pressure transmitter - XMLP - 150psi -
1/4"18NPT - 4..20mA - M12 - set 1

Product availability: Stock - Normally stocked in distribution facility



Main

| | |
|---------------------------|--|
| Range of product | OsiSense XM |
| Product or component type | Electronic pressure sensors |
| Pressure sensor type | Pressure transmitter |
| Pressure sensor name | XMLP |
| Electrical circuit type | Control circuit |
| Pressure sensor size | 150 psi |
| Local display | Without |
| Controlled fluid | Fresh water 32...248 °F (0...120 °C) Air -22...248 °F (-30...120 °C) Hydraulic oil -22...248 °F (-30...120 °C) Gas -22...248 °F (-30...120 °C) Refrigeration fluid -22...248 °F (-30...120 °C) |
| Fluid connection type | 1/4" - 18 NPT (male) |
| Electrical connection | 1 male connector M12 4 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

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|---|---|
| Pressure setting range | 0...150 psi |
| Maximum permissible accidental pressure | 300 psi |
| Destruction pressure | 1500 psi |
| Materials in contact with fluid | Stainless steel type 17-4PH Stainless steel type AISI 304 |
| Operating position | Any position |
| Protection type | Load short-circuit Reverse polarity |
| Electromagnetic compatibility | Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz) Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz) Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact |
| [Uimp] rated impulse withstand voltage | 0.5 kV |
| Response time on output | < 5 ms for 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 |
| Product weight | 0.11 lb(US) (0.05 kg) |

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| Diameter | 1.18 in (30 mm) |
| Length | 1.02 in (26 mm) |
| Scale type | Fixed differential |


Environment

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|---------------------------------------|---|
| Standards | CE EN/IEC 61326-1 |
| Product certifications | CULus RCM EAC |
| Protective treatment | TC |
| Ambient air temperature for operation | -22...212 °F (-30...100 °C) |
| Ambient air temperature for storage | -22...212 °F (-30...100 °C) |
| Vibration resistance | 20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-64 |
| Shock resistance | 25 gn 11 ms conforming to EN/IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529 IP69K conforming to DIN 40050 |

Ordering and shipping details

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|-----------------------|---|
| Category | 21561 - XMLK,XMLP PRESSURE TRANSMITTERS |
| Discount Schedule | DS2 |
| GTIN | 00785901116387 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.14000000000000001 |
| Returnability | N |
| Country of origin | DE |

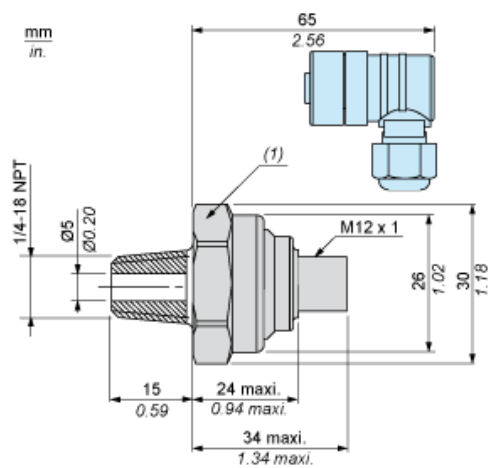
Offer Sustainability

| | |
|----------------------------|--|
| RoHS (date code: YYWW) | Compliant - since 1136 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| - - - - - Substance 1 | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and |
| - - - - - Substance 2 | Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| - - - - - More information | For more information go to www.p65warnings.ca.gov |

Contractual warranty

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

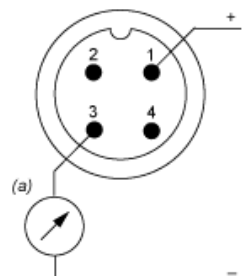
Dimensions



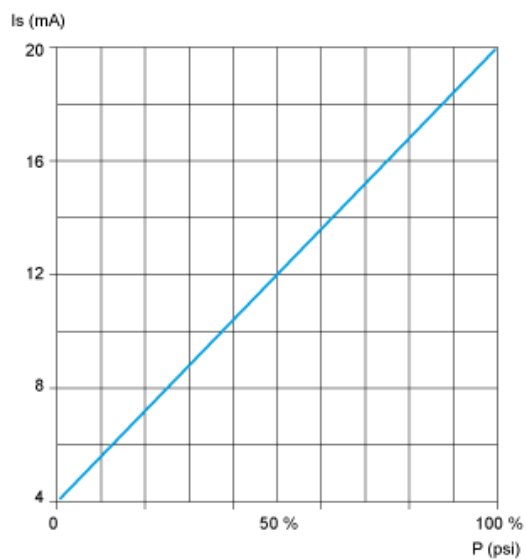
(1) SW27 Tightening torque ≤ 25 Nm / 221 Lb-in

Wiring Diagram

2-Wire Technique (4-20 mA)



Curves



Mouser Electronics

Authorized Distributor

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