

Product availability: Non-Stock - Not 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      | 14.5 psi (1 bar)                                                                             |
| Local display             | Without                                                                                      |
| Controlled fluid          | Fresh water 0...125 °C<br>Air -15...125 °C<br>Gas -15...125 °C<br>Hydraulic oil -15...125 °C |
| Fluid connection type     | SAE 7/16-20UNF (female)                                                                      |
| Electrical connection     | 1 male connector EN 175301-803-A (ex DIN43650)<br>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...14.5 psi (0...1 bar)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Maximum permissible accidental pressure | 43.51 psi (3 bar)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Destruction pressure                    | 72.52 psi (5 bar)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Materials in contact with fluid         | Fluorocarbon FPM<br>Ceramic<br>Stainless steel AISI 316L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operating position                      | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protection type                         | Load short-circuit<br>Reverse polarity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Electromagnetic compatibility           | 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 1 kV (f = 42 Ohm)<br>Immunity to magnetic fields conforming to EN/IEC 61000-4-8 - test level 100 A/m (f = 50 Hz)<br>Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz)<br>Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV<br>Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz)<br>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                 | <= 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                |
| Product weight        | 0.21 lb(US) (0.095 kg)            |
| Diameter              | 1.02 in (26 mm)                   |
| Length                | 2.28 in (58 mm)                   |

## Environment

|                                       |                                                         |
|---------------------------------------|---------------------------------------------------------|
| Standards                             | NSF ANSI 61<br>EN/IEC 61326-2-3                         |
| Product certifications                | RCM<br>CE<br>EAC<br>cULus                               |
| Ambient air temperature for operation | -22...185 °F (-30...85 °C)                              |
| Ambient air temperature for storage   | -58...212 °F (-50...100 °C)                             |
| Vibration resistance                  | 20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-6 |
| Shock resistance                      | 100 gn 11 ms conforming to EN/IEC 60068-2-27            |
| IP degree of protection               | IP65 conforming to EN/IEC 60529                         |

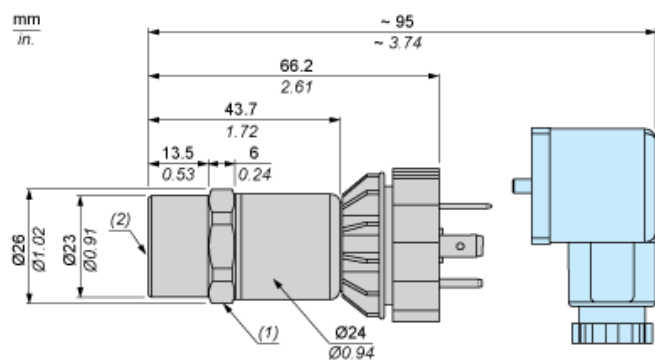
## Ordering and shipping details

|                       |                                         |
|-----------------------|-----------------------------------------|
| Category              | 21561 - XMLK,XMLP PRESSURE TRANSMITTERS |
| Discount Schedule     | DS2                                     |
| GTIN                  | 003389119625388                         |
| Nbr. of units in pkg. | 1                                       |
| Package weight(Lbs)   | 0.29999999999999999                     |
| Returnability         | N                                       |
| Country of origin     | CH                                      |

## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                              |
| RoHS (date code: YYWW)           | Compliant - since 1541 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                                                                  |
| Product environmental profile    | Available                                                                                                                          |
| Product end of life instructions | Need no specific recycling operations                                                                                              |
| 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            | Di-isodecyl 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Dimensions



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

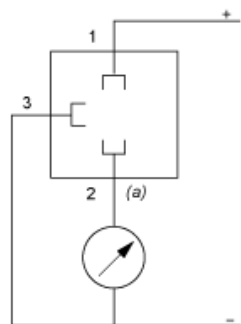
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## Connection and Schema

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### Wiring Diagram

2-Wire Technique (4-20 mA)



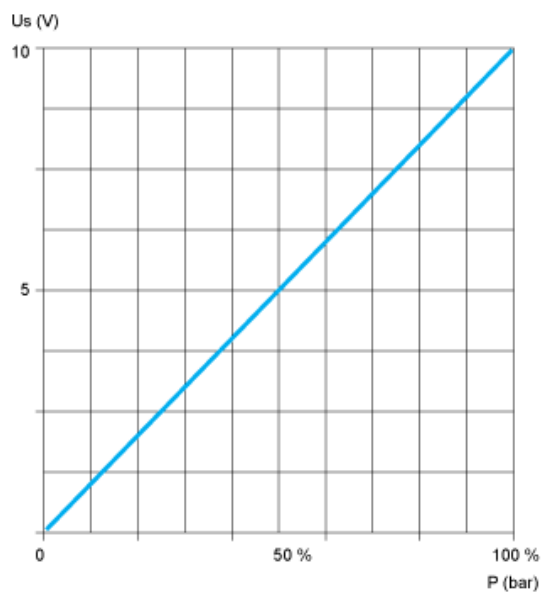
(a) V out

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Performance Curves

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Curves



# Mouser Electronics

Authorized Distributor

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