



## Main

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| Range of product          | OsiSense XM                                                              |
| Product or component type | Electronic pressure sensors                                              |
| Pressure sensor type      | Pressure transmitter                                                     |
| Pressure sensor name      | XMEP                                                                     |
| Electrical circuit type   | Control circuit                                                          |
| Pressure sensor size      | 3000 psi                                                                 |
| Local display             | Without                                                                  |
| Controlled fluid          | Fresh water 0...125 °C<br>Air -40...125 °C<br>Hydraulic oil -40...125 °C |
| Fluid connection type     | 1/4" - 18 NPT (male)                                                     |
| Electrical connection     | DEUTSCH connector DT04-3P 3 pins                                         |
| [Us] rated supply voltage | 12...24 V DC SELV, voltage limits: 9...36 V                              |
| Current consumption       | < 23 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

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Pressure setting range                  | 0...3000 psi                           |
| Maximum permissible accidental pressure | 9000 psi                               |
| Destruction pressure                    | 18000 psi                              |
| Materials in contact with fluid         | Stainless steel AISI 316L              |
| Operating position                      | Any position                           |
| Protection type                         | Reverse polarity<br>Load short-circuit |

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electromagnetic compatibility          | <p>Susceptibility to conducted disturbances conforming to EN/IEC 61000-4-6 criteria A - test level 30 V (f = 0.15...80 MHz)</p> <p>Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 criteria A - test level 4 kV</p> <p>Susceptibility to conducted transient disturbances conforming to ISO 7637-2 criteria B - test level level 3</p> <p>Electrostatic discharge immunity test conforming to ISO 10605 criteria A - test level 15 kV air, 15 kV contact</p> <p>Susceptibility to electromagnetic fields conforming to ISO 11452-4 criteria A - test level 100 mA (f = 20...400 MHz)</p> <p>Susceptibility to electromagnetic fields conforming to ISO 11452-2 criteria A - test level 100 V/m (f = 200...2000 MHz)</p> |
| [Uimp] rated impulse withstand voltage | 0.5 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Response time on output                | <= 2 ms for 10...90 % of full scale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Measurement accuracy                   | +/- 0.5 % of the measuring range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Accuracy                               | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Repeat accuracy                        | +/- 0.5 % of the measuring range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mechanical durability                  | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product weight                         | 0.098 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Diameter                               | 26 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Length                                 | 63.4 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

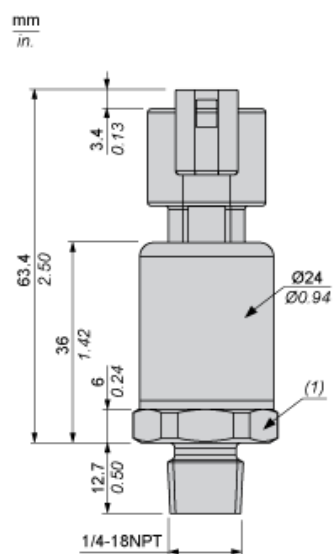
## Environment

|                                       |                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | <p>ISO 14982</p> <p>UL 61010-1</p> <p>ECE 10R-5</p> <p>ISO 13766</p> <p>EN 13309</p> <p>EN/IEC 61326-2-3</p>                                  |
| Product certifications                | <p>CE</p> <p>E2</p> <p>cULus</p>                                                                                                              |
| Ambient air temperature for operation | -40...100 °C                                                                                                                                  |
| Ambient air temperature for storage   | -50...100 °C                                                                                                                                  |
| Vibration resistance                  | <p>12 gn sinus (f = 20...520 Hz) conforming to ISO 16750-3 test 4</p> <p>18 gn random (f = 10...2000 Hz) conforming to ISO 16750-3 test 4</p> |
| Shock resistance                      | 50 gn for 11 ms conforming to EN/IEC 60068-2-27                                                                                               |
| IP degree of protection               | <p>IP69K conforming to EN/IEC 60529</p> <p>IP65 conforming to EN/IEC 60529</p> <p>IP67 conforming to EN/IEC 60529</p>                         |

## Offer Sustainability

|                                  |                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                                                |
| RoHS (date code: YYWW)           | <p>Compliant - since 1702 - Schneider Electric declaration of conformity</p> <p> <a href="#">Schneider Electric declaration of conformity</a></p> |
| REACH                            | <p>Reference not containing SVHC above the threshold</p> <p><a href="#">Reference not containing SVHC above the threshold</a></p>                                                                                                    |
| Product environmental profile    | Available                                                                                                                                                                                                                            |
| Product end of life instructions | Need no specific recycling operations                                                                                                                                                                                                |

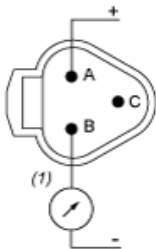
## Dimensions



(1) SW24, tightening torque # 24 N-m / 212 lb-in

Connections and Schema

Connector Wiring



(1) I out  
Pin C : Not connected

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Performance Curves

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Curves

