



## 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      | 400 bar  |
| Local display             | Without  |
| Controlled fluid          | Fresh water 0...125 °C<br>Air -30...125 °C<br>Hydraulic oil -30...125 °C |
| Fluid connection type     | G 1/4A (male) conforming to DIN 3852-E                                   |
| Electrical connection     | 1 male connector M12 4 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...400 bar                                   |
| Maximum permissible accidental pressure | 1200 bar                                      |
| Destruction pressure                    | 2400 bar                                      |
| Materials in contact with fluid         | Stainless steel AISI 316L<br>Fluorocarbon FPM |
| Operating position                      | Any position                                  |
| Protection type                         | Load short-circuit<br>Reverse polarity        |

|  |   |
|--|---|
| Electromagnetic compatibility          | Susceptibility to conducted disturbances conforming to EN/IEC 61000-4-6 criteria A - test level 30 V (f = 0.15...80 MHz)<br>Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 criteria A - test level 4 kV<br>Susceptibility to conducted transient disturbances conforming to ISO 7637-2 criteria B - test level level 3<br>Electrostatic discharge immunity test conforming to ISO 10605 criteria A - test level 15 kV air, 15 kV contact<br>Susceptibility to electromagnetic fields conforming to ISO 11452-4 criteria A - test level 100 mA (f = 20...400 MHz)<br>Susceptibility to electromagnetic fields conforming to ISO 11452-2 criteria A - test level 100 V/m (f = 200...2000 MHz) |
| [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                         | 0.095 kg  |
| Diameter                               | 26 mm   |
| Length                                 | 38.1 mm   |

## Environment

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

## Offer Sustainability

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