



## 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      | 600 psi                                                                                                                          |
| Local display             | Without                                                                                                                          |
| Controlled fluid          | Fresh water 0...135 °C<br>Air -40...135 °C<br>Hydraulic oil -40...135 °C<br>Gas -40...135 °C<br>Refrigeration fluid -40...135 °C |
| Fluid connection type     | 1/4" - 18 NPT (male)                                                                                                             |
| Electrical connection     | 1 male connector M12 4 pins                                                                                                      |
| [Us] rated supply voltage | 5 V DC SELV, voltage limits: 4.5...5.5 V                                                                                         |
| Current consumption       | < 7 mA                                                                                                                           |
| Type of output signal     | Analogue                                                                                                                         |
| Analogue output function  | 0.5...4.5 V, 3-wire                                                                                                              |
| Quantity per set          | Set of 1                                                                                                                         |
| Type of packing           | Individual                                                                                                                       |

## Complementary

|                                         |                           |
|-----------------------------------------|---------------------------|
| Pressure setting range                  | 0...600 psi               |
| Maximum permissible accidental pressure | 1800 psi                  |
| Destruction pressure                    | 3600 psi                  |
| Materials in contact with fluid         | Stainless steel AISI 316L |
| Operating position                      | Any position              |
| Protection type                         | Reverse polarity          |

#### Load short-circuit

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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...3000 MHz)<br>Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.01...80 MHz)<br>Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV<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 for 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mechanical durability                  | >= 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product weight                         | 0.088 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Diameter                               | 26 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Length                                 | 36 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

#### Environment

|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 61326-2-3<br>NSF ANSI 61                                                                        |
| Product certifications                | RCM<br>CE<br>EAC<br>cULus                                                                              |
| Protective treatment                  | TC                                                                                                     |
| Ambient air temperature for operation | -30...85 °C                                                                                            |
| Ambient air temperature for storage   | -50...100 °C                                                                                           |
| Vibration resistance                  | 20 gn (f = 15...2000 Hz) conforming to EN/IEC 60068-2-6                                                |
| Shock resistance                      | 100 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<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                                                                                                                         |