



## Main

|   |  |
|---|--|
| Range of product                        | OsiSense XM  |
| Product or component type               | Electronic pressure sensors  |
| Pressure sensor type                    | Pressure transmitter   |
| Pressure switch type of operation       | Pressure transmitter   |
| Device short name                       | XMLR   |
| Pressure sensor size                    | 25 bar<br>362 psi  |
| Maximum permissible accidental pressure | 100 bar<br>1450 psi<br>10 MPa  |
| Destruction pressure                    | 100 bar<br>1450 psi<br>10 MPa  |
| Controlled fluid                        | Fresh water (0...80 °C)<br>Air (-20...80 °C)<br>Hydraulic oil (-20...80 °C)<br>Refrigeration fluid (-20...80 °C) |
| Fluid connection type                   | 1/4" - 18 NPT (female)   |
| [Us] rated supply voltage               | 24 V DC SELV, voltage limits: 17...33 V  |

## Complementary

|                                 |   |
|---------------------------------|---|
| Current consumption             | <= 50 mA  |
| Electrical connection           | 4 pins M12 male connector   |
| Analogue output function        | 4...20 mA   |
| Type of output signal           | Analogue  |
| Analogue output function        | 4...20 mA   |
| Scale type                      | Fixed differential  |
| Materials in contact with fluid | Ceramic<br>Fluorocarbon FKM (Viton)<br>316L stainless steel                                   |
| Front material                  | Polyester   |
| Housing material                | Polyacrylamide<br>316L stainless steel  |
| Operating position              | Any position, but disposals can falsified the measurement in case of upside down-mounting     |
| Protection type                 | Overload protection<br>Overvoltage protection<br>Reverse polarity<br>Short-circuit protection |
| Response time on output         | <= 10 ms for analog output  |
| Display type                    | 4 digits 7 segments   |

|  |   |
|--|---|
| Display response time type             | Fast 50 ms<br>Normal 200 ms<br>Slow 600 ms  |
| Delay first up                         | <= 300 ms   |
| Accuracy                               | <= 1 % of the measuring range   |
| Linearity error                        | <= 0.5 % of the measuring range   |
| Hysteresis                             | <= 0.2 % of the measuring range   |
| Measurement accuracy                   | <= 0.6 % of the measuring range   |
| Repeat accuracy                        | <= 0.2 % of the measuring range   |
| Drift of the sensitivity               | +/- 0.03 % of measuring range/°C  |
| Drift of the zero point                | +/- 0.1 % of measuring range/°C   |
| Display accuracy                       | <= 1 % of the measuring range   |
| Mechanical durability                  | >= 10000000 cycles  |
| Depth                                  | 42 mm   |
| Height                                 | 100 mm  |
| Width                                  | 41 mm   |
| Product weight                         | 0.212 kg  |
| [Uimp] rated impulse withstand voltage | 0.5 kV DC   |
| Electromagnetic compatibility          | Electrostatic discharge immunity test - test level 8 kV air, 4 kV contact conforming-<br>to EN/IEC 61000-4-2<br>Susceptibility to electromagnetic fields - test level 10 V/m (80...2000 MHz) con-<br>forming to EN/IEC 61000-4-3<br>Electrical fast transient/burst immunity test - test level 2 kV conforming-<br>to EN/IEC 61000-4-4<br>Surge immunity test - test level 1 kV conforming to EN/IEC 61000-4-5<br>Immunity to conducted RF disturbances - test level 10 V (0.15...80 MHz) con-<br>forming to EN/IEC 61000-4-6 |
| Controlled fluid                       | Air,Hydraulic oil,fresh water,refrigeration fluid   |
| Temperature of controlled fluid        | -20...80 °C   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Marking                               | CE   |
| Product certifications                | CULus<br>EAC   |
| Standards                             | UL 61010-1<br>EN/IEC 61326-2-3                                     |
| Ambient air temperature for operation | -20...80 °C  |
| Ambient air temperature for storage   | -40...80 °C  |
| IP degree of protection               | IP65 conforming to EN/IEC 60529<br>IP67 conforming to EN/IEC 60529 |
| Vibration resistance                  | 20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-6            |
| Shock resistance                      | 50 gn conforming to EN/IEC 60068-2-27                              |

## Offer Sustainability

|                        |  |
|------------------------|--|
| RoHS (date code: YYWW) | Compliant - since 1351 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                  | Reference not containing SVHC above the threshold  |

Product Life Status : **Commercialised**