



## Main

|   |  |
|---|--|
| Range of product  | OsiSense XM  |
| Product or component type                               | Electronic pressure sensors  |
| Pressure switch type of operation                       | Regulation between 2 thresholds  |
| Pressure sensor name                                    | XMLF   |
| Wiring technique  | 4-wire   |
| Pressure sensor size                                    | 10 bar   |
| Fluid connection type                                   | G 1/4 (female) conforming to ISO 228   |
| Controlled fluid  | Fresh water (0...80 °C)<br>Hydraulic oil (-15...80 °C)<br>Corrosive fluid (-15...80 °C)<br>Air (-15...80 °C) |
| Type of output signal                                   | Analogue + discrete  |
| Analogue output function                                | 0...10 V   |
| Discrete output type                                    | Solid state PNP or NPN programmable, 1 NO or 1 NC programmable   |
| Electrical connection                                   | 4 pins male connector M12  |
| Product specific application                            | -  |
| Adjustable range of switching point on rising pressure  | 0.8...10 bar   |
| Adjustable range of switching point on falling pressure | 0.5...9.7 bar  |
| Destruction pressure                                    | 60 bar   |
| Type of installation                                    | Control circuit  |
| Scale type  | Adjustable differential scale  |
| Maximum switching current                               | 200 mA   |
| [Us] rated supply voltage                               | 24 V DC, voltage limits: 17...33 V   |
| Materials in contact with fluid                         | FPM (Viton)<br>Stainless steel type AISI 303   |

## Complementary

|   |  |
|---|--|
| Setting                                       | External setting   |
| Possible differential minimum at low setting  | 0.3 bar  |
| Possible differential minimum at high setting | 0.3 bar  |
| Possible differential maximum at high setting | 9.5 bar  |
| Maximum permissible accidental pressure       | 40 bar   |
| Local display                                 | With   |
| Protection type                               | Connection faults<br>Overload protection<br>Reverse polarity<br>Short-circuit protection |
| Current consumption                           | 80 mA  |
| Operating rate in Hz                          | <= 50 Hz   |
| Drift of the sensitivity                      | +/- 0.03 % of measuring range/°C   |
| Drift of the zero point                       | +/- 0.1 % of measuring range/°C  |
| Time delay range                              | 0...50 s in steps of 1 second  |

|                            |                                 |
|----------------------------|---------------------------------|
| Response time on output    | 5...500 ms, in steps of 1 ms    |
| Mechanical durability      | >= 10000000 cycles              |
| Display response time type | Fast<br>Normal<br>Slow          |
| Height                     | 113 mm                          |
| Depth                      | 58 mm                           |
| Width                      | 46 mm                           |
| Product weight             | 0.48 kg                         |
| Surge withstand            | 0.5 kV DC                       |
| Measurement accuracy       | <= 0.6 % of the measuring range |
| Repeat accuracy            | <= 0.5 %                        |

## Environment

|   |   |
|---|---|
| Operating position  | Any position  |
| Standards   | CE<br>EN 50081<br>EN 50082<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 61000-4-11<br>EN/IEC 61000-4-2<br>EN/IEC 61000-4-3<br>EN/IEC 61000-4-4<br>EN/IEC 61000-4-5<br>EN/IEC 61000-4-6<br>EN/IEC 61000-6-2<br>EN/IEC 61000-4-8 |
| Product certifications  | CSA<br>UL   |
| Ambient air temperature for operation                                   | -25...80 °C   |
| Vibration resistance  | 5 gn (f = 25...200 Hz) conforming to EN/IEC 60068-2-6<br>35 gn (f = 60...2000 Hz) conforming to EN/IEC 60068-2-6  |
| Protective treatment  | TC  |
| Shock resistance  | 50 gn conforming to EN/IEC 60068-2-27   |
| Resistance to fast transients   | 2 kV conforming to EN/IEC 61000-4-4   |
| IP degree of protection   | IP67 conforming to EN/IEC 60529   |
| NEMA degree of protection   | NEMA 12<br>NEMA 13<br>NEMA 4<br>NEMA 6  |
| Resistance to electrostatic discharge                                   | 8 kV (in air) conforming to EN/IEC 61000-4-2<br>4 kV (on contact) conforming to EN/IEC 61000-4-2  |
| Resistance to electromagnetic fields                                    | 10 V/m conforming to EN/IEC 61000-4-3   |
| Resistance to conducted disturbances, induced by radio frequency fields | 10 V conforming to EN/IEC 61000-4-6   |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0627 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold                                     |