



## Main

|   |   |
|---|---|
| Range of product  | OsiSense XM   |
| Product or component type                               | Electromechanical pressure sensor   |
| Pressure sensor type                                    | Electromechanical pressure sensor   |
| Device short name                                       | XMLA  |
| Pressure sensor size                                    | 10 bar  |
| Controlled fluid  | Air (0...70 °C)<br>Fresh water (0...70 °C)<br>Hydraulic oil (0...70 °C)   |
| Fluid connection type                                   | G 1/4 (female) conforming to ISO 228                                      |
| Electrical connection                                   | Screw-clamps terminals 1 x 0.5...2 x 2.5 mm <sup>2</sup>                  |
| AWG gauge   | AWG 20...AWG 14   |
| Cable entry number                                      | 1 tapped entry (Pg 13.5) forcable gland , cable outer diameter: 9...13 mm |
| Contacts type and composition                           | 1 C/O   |
| Product specific application                            | -   |
| Pressure switch type of operation                       | Detection of 1 single threshold   |
| Electrical circuit type                                 | Control circuit   |
| Scale type  | Fixed differential  |
| Local display   | With  |
| Adjustable range of switching point on rising pressure  | 0.6...10 bar  |
| Adjustable range of switching point on falling pressure | 0.1...9.5 bar   |
| Maximum permissible accidental pressure                 | 22.5 bar  |
| Destruction pressure                                    | 45 bar  |
| Pressure actuator                                       | Diaphragm   |
| Materials in contact with fluid                         | Zinc alloy<br>FPM, FKM  |
| Enclosure material                                      | Zinc alloy  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                    |  |
|--------------------|--|
| [In] rated current | 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/IEC 60947-5-1<br>1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1<br>0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1 |
|--------------------|--|

## Complementary

|  |   |
|--|---|
| Natural differential at low setting      | 0.5 bar (+/- 0.05 bar)  |
| Natural differential at high setting     | 0.5 bar (+/- 0.05 bar)  |
| Maximum permissible pressure - per cycle | 12.5 bar  |
| Terminal block type                      | 4 terminals   |
| Operating rate                           | <= 120 cyc/mn at > 0 °C   |
| Repeat accuracy                          | < 2 %   |
| [Ui] rated insulation voltage            | 300 V conforming to CSA C22.2 No 14<br>500 V conforming to EN/IEC 60947-1<br>300 V conforming to UL 508 |
| [Uimp] rated impulse withstand voltage   | 6 kV conforming to EN/IEC 60947-1   |
| Auxiliary contacts operation             | Snap action   |
| Contacts material                        | Silver contacts   |
| Resistance across terminals              | < 25 mOhm conforming to IEC 255-7 category 3<br>< 25 mOhm conforming to NF C 93-050 method A            |
| Short circuit protection                 | 10 A cartridge fuse type gG (gl)  |
| Mechanical durability                    | 5000000 cycles  |
| Setting                                  | External  |
| Height                                   | 113 mm  |
| Depth                                    | 75 mm   |
| Width                                    | 35 mm   |
| Product weight                           | 0.685 kg  |

## Environment

|  |  |
|--|--|
| Standards                                  | CSA C22.2 No 14<br>CE<br>UL 508<br>EN/IEC 60947-5-1  |
| Product certifications                     | CSA<br>UL<br>CCC<br>EAC<br>BV<br>LROS (Lloyds register of shipping)                                  |
| Protective treatment                       | TC (standard version)  |
| Ambient air temperature for operation      | -25...70 °C  |
| Ambient air temperature for storage        | -40...70 °C  |
| Operating position                         | Any position   |
| Vibration resistance                       | 4 gn (f = 30...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                           | 50 gn conforming to IEC 60068-2-27   |
| Class of protection against electric shock | Class I conforming to IEC 1140<br>Class I conforming to IEC 536<br>Class I conforming to NF C 20-030 |
| IP degree of protection                    | IP66 conforming to EN/IEC 60529  |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0928 - 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>                |