



## Main

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|---|--|
| 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                                    | 1 bar  |
| Controlled fluid  | Air (0...160 °C)<br>Hydraulic oil (0...160 °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><br>1 connector ISO M20  |
| AWG gauge   | AWG 20...AWG 14  |
| Cable entry   | Cable gland 7...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  | 0.03...1 bar   |
| Adjustable range of switching point on falling pressure | 0.01...0.96 bar  |
| Maximum permissible accidental pressure                 | 2.25 bar   |
| Destruction pressure                                    | 4.5 bar  |
| Pressure actuator                                       | Diaphragm  |
| Materials in contact with fluid                         | 304L stainless steel<br>Steel<br>FPM, FKM  |
| Enclosure material                                      | Zinc alloy   |
| [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 |

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

## Complementary

|  |   |
|--|---|
| Natural differential at low setting      | 0.02 bar (+/- 0.01 bar)   |
| Natural differential at high setting     | 0.04 bar (+/- 0.01 bar)   |
| Maximum permissible pressure - per cycle | 1.25 bar  |
| Terminal block type                      | 4 terminals   |
| Operating rate                           | 120 cyc/mn  |
| 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                    | 4000000 cycles  |
| Setting                                  | External  |
| Height                                   | 162 mm  |
| Depth                                    | 110 mm  |
| Width                                    | 110 mm  |
| Product weight                           | 2.555 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | CE<br>CSA C22.2 No 14<br>UL 508<br>EN/IEC 60947-5-1  |
| Product certifications                | LROS (Lloyds register of shipping)<br>CCC<br>BV<br>UL<br>EAC<br>CSA                                  |
| 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                  | 2 gn (f = 30...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                      | 30 gn conforming to IEC 60068-2-27   |
| Electrical shock protection class     | 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

|                                  |  |
|----------------------------------|--|
| 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 end of life instructions | Need no specific recycling operations  |