



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 | 10 bar |
| Controlled fluid | Air (0...70 °C) Fresh water (0...70 °C) 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 ² |
| 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 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

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

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| 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 14 500 V conforming to EN/IEC 60947-1 300 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 < 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

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| Standards | CSA C22.2 No 14 CE UL 508 EN/IEC 60947-5-1 |
| Product certifications | CSA UL CCC EAC BV 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 Class I conforming to IEC 536 Class I conforming to NF C 20-030 |
| IP degree of protection | IP66 conforming to EN/IEC 60529 |

Offer Sustainability

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|--------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0928 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |