



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 | 2320.6 psi (160 bar) |
| Controlled fluid | Fresh water (32...320 °F (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 ² 1 connector Pg 13 |
| AWG gauge | AWG 20...AWG 14 |
| Cable entry | Cable gland 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 | 145.04...2320.6 psi (10...160 bar) |
| Adjustable range of switching point on falling pressure | 65.27...2059.54 psi (4.5...142 bar) |
| Maximum permissible accidental pressure | 5221.36 psi (360 bar) |
| Destruction pressure | 10442.72 psi (720 bar) |
| Pressure actuator | Piston |
| Materials in contact with fluid | Brass FPM, FKM PTFE 316L stainless steel |
| Enclosure material | Zinc alloy |
| [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 |

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

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| Natural differential at low setting | 79.77 psi (5.5 bar) (+/- 1 bar) |
| Natural differential at high setting | 261.07 psi (18 bar) (+/- 3 bar) |
| Maximum permissible pressure - per cycle | 2900.75 psi (200 bar) |
| Terminal block type | 4 terminals |
| Operating rate | 60 cyc/mn at 0...70 °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 | 6000000 cycles |
| Setting | External |
| Terminals description ISO n°1 | (13-14-11-12)OF |
| Height | 4.45 in (113 mm) |
| Depth | 2.95 in (75 mm) |
| Width | 1.38 in (35 mm) |
| Product weight | 1.65 lb(US) (0.75 kg) |
| Controlled fluid | Fresh water |
| Temperature of controlled fluid | 0...160 °C |

Environment

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| Standards | CE EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14 |
| Product certifications | BV CCC CSA LROS (Lloyds register of shipping) UL EAC |
| Protective treatment | TC (standard version) |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Ambient air temperature for storage | -40...158 °F (-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 |
| Electrical shock protection class | 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 |

Ordering and shipping details

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|-----------------------|--------------------------------------|
| Category | 22661 - XMLA,B,C,D PRESSURE SWITCHES |
| Discount Schedule | DS2 |
| GTIN | 003389110712186 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.6300000000000001 |