

Product Datasheet

Characteristic

XMLA070D2S11

pressure switch XMLA 70 bar - fixed
scale 1 threshold - 1 C/O



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 | 1015.26 psi (70 bar) |
| controlled fluid | Hydraulic oil (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 | 0.35...0.51 in (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 | 72.52...1015.26 psi (5...70 bar) |
| adjustable range of switching point on falling pressure | 29.01...906.49 psi (2...62.5 bar) |
| maximum permissible accidental pressure | 2320.6 psi (160 bar) |
| destruction pressure | 4641.21 psi (320 bar) |
| pressure actuator | Piston |
| materials in contact with fluid | Steel Brass PTFE FPM, FKM |
| 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 |

Complementary

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| natural differential at low setting | 43.51 psi (3 bar) (+/- 1 bar) |
| natural differential at high setting | 108.78 psi (7.5 bar) (+/- 1 bar) |
| maximum permissible pressure - per cycle | 1305.34 psi (90 bar) |

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| terminal block type | 4 terminals |
| operating rate | 60 cyc/mn |
| 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 |
| height | 4.45 in (113 mm) |
| depth | 2.95 in (75 mm) |
| width | 1.38 in (35 mm) |
| product weight | 1.53 lb(US) (0.695 kg) |

Environment

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|---------------------------------------|--|
| standards | UL 508 CSA C22.2 No 14 CE EN/IEC 60947-5-1 |
| product certifications | UL LROS (Lloyds register of shipping) CCC BV EAC CSA |
| 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 | 30...500 Hz |
| 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 |

Offer Sustainability

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|----------------------------------|---|
| RoHS (date code: YYWW) | Compliant - since 0902 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |