

XMLA035A2S11

pressure switch XMLA 35 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 |
| Product specific application | - |
| Pressure sensor name | XMLA |
| Electrical circuit type | Control circuit |
| Pressure swt type of operation | Detection of 1 single threshold |
| Type of scale | Fixed differential |
| Pressure sensor size | 35 bar |
| Local display | With |
| Fluid connection type | G 1/4 (female) conforming to ISO 228 |
| Adj range low setting | 0.25...33.75 bar |
| Adj range high setting | 1.5...35 bar |
| Max perm accidental pressure | 80 bar |
| Destruction pressure | 160 bar |
| Electrical connection | Screw-clamps terminals 1 x 0.2...2 x 2.5 mm ² |
| Cable entry | 1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9 - 13 mm |
| Pressure actuator | Diaphragm |
| Controlled fluid | Air (0 - 70 °C) Fresh water (0 - 70 °C) Hydraulic oil (0 - 70 °C) Sea water (0 - 70 °C) |
| Materials in contact with fluid | Nitrile Zinc alloy |
| Enclosure material | Zinc alloy |
| In rated current | B300, AC-15 (U _e = 120 V conforming to EN/IEC 60947-5-1 B300, AC-15 (U _e = 240 V conforming to EN/IEC 60947-5-1 R300, DC-13 (U _e = 250 V conforming to EN/IEC 60947-5-1 |
| Contacts type and composition | 1 C/O |

Complementary

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|-------------------------------|---|
| Natural diff at low setting | 1.25 bar (+/- 0.25 bar) |
| Natural diff at high setting | 1.25 bar (+/- 0.25 bar) |
| Max perm pressure - per cycle | 45 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 14 300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1 |
| Uimp rated imp wstdvoltage | 6 kV conforming to EN/IEC 60947-1 |
| Auxiliary contacts operation | Snap action |
| Contacts material | Silver contacts |

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| 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 |
| Product weight | 0.695 kg |
| Terminals description ISO nT ₁ | (13-14-11-12)OF |
| Height | 75 mm |
| Depth | 113 mm |
| Width | 35 mm |
| CAD overall depth | 75 mm |
| CAD overall height | 113 mm |
| CAD overall width | 35 mm |

Environment

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|--------------------------------|---|
| Standards | CE CSA C22-2 No 14 EN/IEC 60947-5-1 UL 508 |
| Product certifications | BV CCC CSA DNV (Det Norske Veritas) GL LROS (Lloyds register of shipping) RINA UL VIT-SEPRO |
| Protective treatment | TC |
| Ambient air temp for op | -25...70 °C |
| Ambient air temp for storage | -40...70 °C |
| Operating position | Any position |
| Vibration resistance | 4 gn (f = 30 - 500 Hz) conforming to IEC 68-2-6 |
| Shock resistance | 50 gn conforming to IEC 68-2-27 |
| Class of prot agnst elec 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 |

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