



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 | XMLB |
| Electrical circuit type | Control circuit |
| Pressure switch type of operation | Regulation between 2 thresholds |
| Scale type | Adjustable differential |
| Pressure sensor size | 500 bar |
| Local display | With |
| Fluid connection type | G 1/4 (female) ISO 228 |
| Adjustable range of switching point on falling pressure | 7...447,4 bar |
| Adjustable range of switching point on rising pressure | 30...500 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 9...13 mm |
| Pressure actuator | Piston |
| Controlled fluid | Hydraulic oil 0...160 °C |
| IP degree of protection | IP66 EN/IEC 60529 |
| [In] rated current | 0,1 A 250 V DC-13 R300 EN/IEC 60947-5-1 1,5 A 240 V AC-15 B300 EN/IEC 60947-5-1 3 A 120 V AC-15 B300 EN/IEC 60947-5-1 |
| Contacts type and composition | 1 C/O |
| Setting | External |

Complementary

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|---|---|
| Possible differential minimum at low setting | 23 bar - 2.6 bar, + 3.8 bar |
| Possible differential minimum at high setting | 52,6 bar - 14.8 bar, + 11.2 bar |
| Possible differential maximum at high setting | 300 bar |
| Maximum permissible accidental pressure | 1125 bar |
| Maximum permissible pressure - per cycle | 625 bar |
| Destruction pressure | 2250 bar |
| Terminal block type | 4 terminals |
| Materials in contact with fluid | FPM, FKM PTFE Brass Steel |
| Enclosure material | Zinc alloy |
| Operating position | Any position |
| Operating rate | ≤ 60 cyc/mn > 0 °C |
| Repeat accuracy | < 2 % |
| [Ui] rated insulation voltage | 300 V CSA C22-2 No 14 300 V UL 508 500 V EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV EN/IEC 60947-1 |

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|------------------------------|--|
| Auxiliary contacts operation | Snap action |
| Contacts material | Silver contacts |
| Resistance across terminals | < 25 mOhm IEC 255-7 category 3 < 25 mOhm NF C 93-050 method A |
| Short circuit protection | 10 A cartridge fuse gG (gl) |
| Mechanical durability | 3000000 cycles |
| Product weight | 0,75 kg |
| Height | 75 mm |
| Depth | 113 mm |
| 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 temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 4 gn IEC 68-2-6 30...500 Hz |
| Shock resistance | 50 gn IEC 68-2-27 |
| Class of protection against electric shock | Class I NF C 20-030 Class I IEC 1140 Class I IEC 536 |
| RoHS EUR conformity date | 0928 |
| RoHS EUR status | Compliant |