

XMLB001S2S11

pressure switch XMLB 1 bar - adjustable scale
2 thresholds - 1 C/O



Main

| | |
|---|--|
| Range of product | OsiSense XM |
| Product or component type | Electromechanical pressure sensor |
| Pressure sensor type | Electromechanical pressure sensor |
| Device short name | XMLB |
| Pressure sensor size | 1 bar |
| Controlled fluid | Corrosive fluid (0...160 °C) Fresh water (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 |
| 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 | Regulation between 2 thresholds |
| Electrical circuit type | Control circuit |
| Scale type | Adjustable differential |
| Local display | With |
| Adjustable range of switching point on rising pressure | 0.05...1 bar |
| Adjustable range of switching point on falling pressure | 0.01...0.94 bar |
| Possible differential maximum at high setting | 0.75 bar |
| Maximum permissible accidental pressure | 2.25 bar |
| Destruction pressure | 4.5 bar |
| Pressure actuator | Diaphragm |
| Materials in contact with fluid | 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 |

Complementary

| | |
|---|-------------------------|
| Possible differential minimum at low setting | 0.04 bar (+/- 10 mbar) |
| Possible differential minimum at high setting | 0.06 bar (+/- 20 mbar) |
| Maximum permissible pressure - per cycle | 1.25 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 UL 508 500 V conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| [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 | 4000000 cycles |
| Setting | External |
| Height | 162 mm |
| Depth | 110 mm |
| Width | 110 mm |
| Product weight | 2.575 kg |

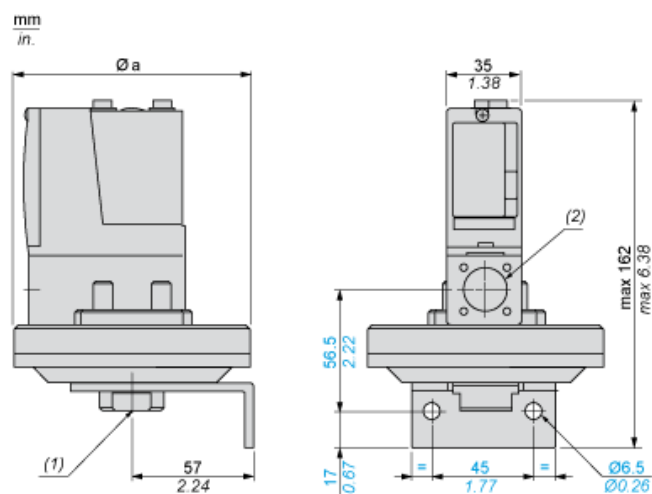
Environment

| | |
|--|--|
| 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 | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Operating position | Any position |
| Vibration resistance | 2 gn (f = 30...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 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

| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0928 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |

Dimensions

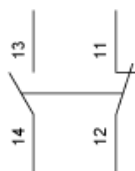


Ø a = 110 mm / 4.33 in.

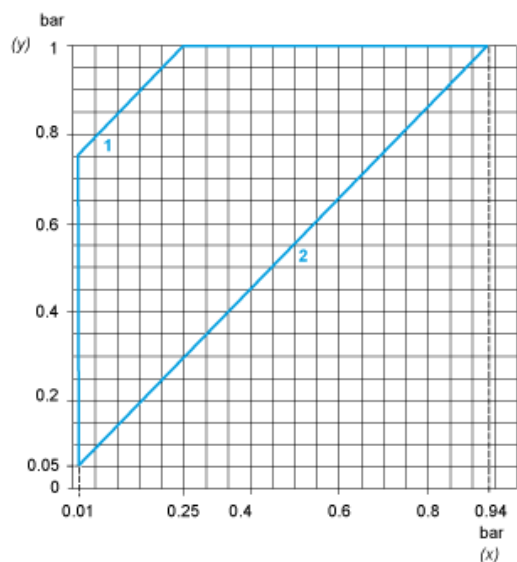
- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) 1 electrical connections entry, tapped Pg 13.5

Wiring Diagram

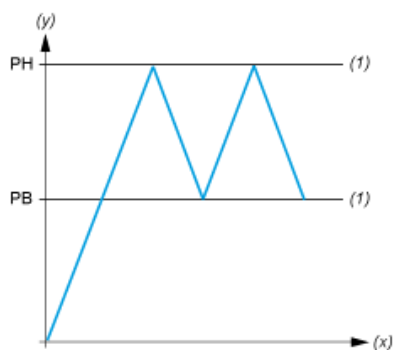
Terminal Model



Operating Curves



- (y) Rising pressure
- (x) Falling pressure
- 1 : Maximum differential
- 2 : Minimum differential



- (y) Pressure
- (x) Time
- (1) Adjustable value
- PH : High point
- PB : Below point