

# xmlb010a2s12

pressure switch XMLB 10 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                                    | 10 bar   |
| Controlled fluid  | Air (0...70 °C)<br>Fresh water (0...70 °C)<br>Hydraulic oil (0...70 °C)  |
| Fluid connection type                                   | G 1/4 (female) conforming to ISO 228   |
| Electrical connection                                   | Screw-clamps terminals 1 x 0.2...2 x 2.5 mm <sup>2</sup>   |
| Cable entry number                                      | 1 tapped entry (M20 x 1.5) forcable gland , cable outer diameter: 7...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  | 0.7...10 bar   |
| Adjustable range of switching point on falling pressure | 0.13...9.15 bar  |
| Possible differential maximum at 7.5 bar high setting   |  |
| Maximum permissible accidental pressure                 | 22.5 bar   |
| Destruction pressure                                    | 45 bar   |
| Pressure actuator                                       | Diaphragm  |
| Materials in contact with fluid                         | FPM, FKM<br>Zinc alloy   |
| Enclosure material                                      | Zinc alloy   |
| [In] rated current                                      | 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/IEC 60947-5-1<br>1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1<br>0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1 |

## Complementary

|   |   |
|---|---|
| Possible differential minimum at low setting  | 0.57 bar (+/- 0.05 bar)   |
| Possible differential minimum at high setting | 0.85 bar (- 0.1 bar, + 0.15 bar)  |
| Maximum permissible pressure - per cycle      | 12.5 bar  |
| Terminal block type                           | 4 terminals   |
| Operating rate                                | <= 120 cyc/mn at > 0 °C   |
| Repeat accuracy                               | < 2 %   |
| [Ui] rated insulation voltage                 | 500 V conforming to EN/IEC 60947-1<br>300 V conforming to UL 508<br>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<br>< 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   |
| Height                      | 113 mm   |
| Depth                       | 75 mm  |
| Width                       | 35 mm  |
| Product weight              | 0.705 kg   |

## Environment

|  |  |
|--|--|
| Standards                                  | CE<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14  |
| Product certifications                     | BV<br>CCC<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL<br>VIT-SEPRO       |
| Protective treatment                       | TC   |
| Ambient air temperature for operation      | -25...70 °C  |
| Ambient air temperature 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 protection against electric shock | Class I conforming to IEC 1140<br>Class I conforming to IEC 536<br>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                             | Compliant - since 0928 - Schneider Electric declaration of conformity |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations                                 |