

# XMLB004B2S13

pressure sensor XMLB 4 bar - adjustable scale  
2 threshold - 1 C/O - with display



## 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                                    | 58.02 psi (4 bar)   |
| Controlled fluid  | Air 32...320 °F (0...160 °C))<br>Fresh water 32...320 °F (0...160 °C))<br>Hydraulic oil 32...320 °F (0...160 °C))                                   |
| Fluid connection type                                   | 1/4" - 18 NPTF (female)   |
| Electrical connection                                   | Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm²   |
| AWG gauge   | AWG 20...AWG 14   |
| Cable entry   | Cable gland 0.28...0.51 in (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  | 3.63...58.02 psi (0.25...4 bar)   |
| Adjustable range of switching point on falling pressure | 0.73...54.39 psi (0.05...3.75 bar)  |
| Possible differential maximum at high setting           | 34.81 psi (2.4 bar)   |
| Maximum permissible accidental pressure                 | 130.53 psi (9 bar)  |
| Destruction pressure                                    | 261.07 psi (18 bar)   |
| Pressure actuator                                       | Diaphragm   |
| Materials in contact with fluid                         | Steel<br>FPM, FKM   |
| Enclosure material                                      | Zinc alloy  |
| Line Rated Current                                      | 3 A, B300, AC-15 (Ue = 120 V)EN/IEC 60947-5-1<br>1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1<br>0.1 A, R300, DC-13 (Ue = 250 V)EN/IEC 60947-5-1 |

## Complementary

|   |   |
|---|---|
| Possible differential minimum at low setting  | 2.90 psi (0.2 bar) +/- 0.01 bar)                              |
| Possible differential minimum at high setting | 3.63 psi (0.25 bar) - 0.03 bar, + 0.05 bar)                   |
| Maximum permissible pressure - per cycle      | 72.52 psi (5 bar)   |
| Terminal block type                           | 4 terminals   |
| Maximum operating rate                        | 120 cyc/mn  |
| Repeat accuracy                               | 2 %   |
| [Ui] rated insulation voltage                 | 300 V UL 508<br>500 V EN/IEC 60947-1<br>300 V CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage        | 6 kV EN/IEC 60947-1   |

|                                     |  |
|-------------------------------------|--|
| Auxiliary contacts operation        | Snap action  |
| Contacts material                   | Silver contacts  |
| Maximum resistance across terminals | 25 MOhm IEC 255-7 category 3<br>25 mOhm NF C 93-050 method A |
| Short-circuit protection            | 10 A cartridge fuse gG (gl)                                  |
| Mechanical durability               | 8000000 cycles   |
| Setting                             | External   |
| Maximum Height                      | 6.22 in (158 mm)   |
| Maximum Depth                       | 3.05 in (77.5 mm)  |
| Maximum Width                       | 1.38 in (35 mm)  |
| Net Weight                          | 2.24 lb(US) (1.015 kg)                                       |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | CE<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>UL 508                 |
| Product certifications                | EAC<br>CSA<br>CCC<br>UL<br>BV<br>LROS (Lloyds register of shipping) |
| 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                  | 4 gn 30...500 Hz)IEC 60068-2-6                                      |
| Shock resistance                      | 50 gn IEC 60068-2-27  |
| Electrical shock protection class     | Class I IEC 1140<br>Class I IEC 536<br>Class I NF C 20-030          |
| IP degree of protection               | IP66 EN/IEC 60529   |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|