XMLB010A2S13
pressure switch XMLB 10 bar - adjustable scale 2 thresholds - 1 C/O

Product availability : Stock - Normally stocked in distribution facility

Price** : 238.00 USD

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**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**: 145.04 psi (10 bar)
- **Controlled fluid**: Air 32…158 °F (0…70 °C))
  - Fresh water 32…158 °F (0…70 °C))
  - Hydraulic oil 32…158 °F (0…70 °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**: 10.15…145.04 psi (0.7…10 bar)
- **Adjustable range of switching point on falling pressure**: 1.89…132.71 psi (0.13…9.15 bar)
- **Possible differential maximum at high setting**: 108.78 psi (7.5 bar)
- **Maximum permissible accidental pressure**: 326.33 psi (22.5 bar)
- **Destruction pressure**: 652.67 psi (45 bar)
- **Pressure actuator**: Diaphragm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
| Materials in contact with fluid | Zinc alloy  
|                               | FPM, FKM  
| Enclosure material            | Zinc alloy  
| Line Rated Current            | 3 A, B300, AC-15 (Ue = 120 V)EN/IEC 60947-5-1  
|                               | 1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1  
|                               | 0.1 A, R300, DC-13 (Ue = 250 V)EN/IEC 60947-5-1  

**Complementary**

| Possible differential minimum at low setting | 8.27 psi (0.57 bar) +/- 0.05 bar  
| Possible differential minimum at high setting | 12.33 psi (0.85 bar) - 0.1 bar, + 0.15 bar  
| Maximum permissible pressure - per cycle | 181.30 psi (12.5 bar)  
| Terminal block type | 4 terminals  
| Maximum operating rate | 120 cyc/mn  
| Repeat accuracy | 2 %  
| [U] rated insulation voltage | 300 V UL 508  
| | 500 V EN/IEC 60947-1  
| | 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  
| | 25 mOhm NF C 93-050 method A  
| Short-circuit protection | 10 A cartridge fuse gG (gl)  
| Mechanical durability | 5000000 cycles  
| Setting | External  
| Height | 4.45 in (113 mm)  
| Depth | 2.95 in (75 mm)  
| Width | 1.38 in (35 mm)  
| Net weight | 1.55 lb(US) (0.705 kg)  

**Environment**

| Standards | EN/IEC 60947-5-1  
| | CSA C22.2 No 14  
| | CE  
| | UL 508  
| Product certifications | LROS (Lloyds register of shipping)  
| | CSA  
| | CCC  
| | BV  
| | EAC  
| | UL  
| 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  
| | Class I IEC 536  
| | Class I NF C 20-030  
| IP degree of protection | IP66 EN/IEC 60529  

**Ordering and shipping details**

| Category | 22661 - XMLA,B,C,D PRESSURE SWITCHES  

**Environment**
<table>
<thead>
<tr>
<th><strong>Discount Schedule</strong></th>
<th>DS2</th>
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<tbody>
<tr>
<td><strong>GTIN</strong></td>
<td>00785901401360</td>
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<tr>
<td><strong>Returnability</strong></td>
<td>Yes</td>
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<tr>
<td><strong>Country of origin</strong></td>
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**Offer Sustainability**

<table>
<thead>
<tr>
<th>Sustainable offer status</th>
<th>Green Premium product</th>
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<tbody>
<tr>
<td>California proposition 65</td>
<td>WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a></td>
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**EU RoHS Directive**

<table>
<thead>
<tr>
<th>Pro-active compliance (Product out of EU RoHS legal scope)</th>
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<tbody>
<tr>
<td>EU RoHS Declaration</td>
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</table>

<table>
<thead>
<tr>
<th>Mercury free</th>
<th>Yes</th>
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<tbody>
<tr>
<td>RoHS exemption information</td>
<td>Yes</td>
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**Environmental Disclosure**

<table>
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<tr>
<th>Product Environmental Profile</th>
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**Contractual warranty**

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<tr>
<th>Warranty</th>
<th>18 months</th>
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Dimensions

(1) 1 fluid entry, tapped 1/4" NPTF
(2) 1 electrical connections entry, tapped 1/2" NPT
Ø : 2 elongated holes Ø 6.2 x 6.7
Wiring Diagram

Terminal Model

13
11
14
12
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