

XMLB020A2S11

pressure switch XMLB 20 bar - adjustable
scale 2 thresholds - 1 C/O



Main

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|---|---|
| Range of Product | Telemecanique Pressure sensors XM |
| Product or Component Type | Electromechanical pressure sensor |
| Pressure sensor type | Electromechanical pressure sensor |
| Device short name | XMLB |
| Pressure Rating | 290.08 psi (20 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 | G 1/4 (female) ISO 228 |
| Electrical connection | Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm ² 1 connector Pg 13 |
| AWG Gauge | AWG 20...AWG 14 |
| Cable entry | Cable gland 0.35...0.51 in (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 | 18.85...290.08 psi (1.3...20 bar) |
| Adjustable range of switching point on falling pressure | 4.35...266.87 psi (0.3...18.4 bar) |
| Possible differential maximum at high setting | 159.54 psi (11 bar) |
| Maximum permissible accidental pressure | 652.67 psi (45 bar) |
| Destruction pressure | 1305.34 psi (90 bar) |
| Pressure actuator | Diaphragm |
| Materials in contact with fluid | Brass Zinc alloy Nitrile |
| 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

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|---|---|
| Possible differential minimum at low setting | 14.50 psi (1 bar) +/- 0.25 bar |
| Possible differential minimum at high setting | 23.21 psi (1.6 bar) +/- 0.25 bar |
| Maximum permissible pressure - per cycle | 362.59 psi (25 bar) |
| Terminal block type | 4 terminals |
| Maximum operating rate | 120 cyc/mn |
| Repeat accuracy | 2 % |
| [Ui] rated insulation voltage | 300 V UL 508 500 V EN/IEC 60947-1 300 V CSA C22.2 No 14 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| [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

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|---------------------------------------|---|
| Standards | UL 508 EN/IEC 60947-5-1 CE CSA C22.2 No 14 |
| Product Certifications | UL[RETURN]LROS (Lloyds register of shipping) [RETURN]EAC[RETURN]BV[RETURN]CCC[RETURN]CSA |
| 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 conforming to EN/IEC 60529 |

Ordering and shipping details

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|-------------------|------------------------------------|
| Category | 22661-XMLA,B,C,D PRESSURE SWITCHES |
| Discount Schedule | DS2 |
| GTIN | 3389110713824 |
| Returnability | No |
| Country of origin | CZ |

Packing Units

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|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.57 in (4.0 cm) |
| Package 1 Width | 3.39 in (8.6 cm) |
| Package 1 Length | 4.80 in (12.2 cm) |
| Package 1 Weight | 25.71 oz (729.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 13 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 22.27 lb(US) (10.101 kg) |

Offer Sustainability

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|--|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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



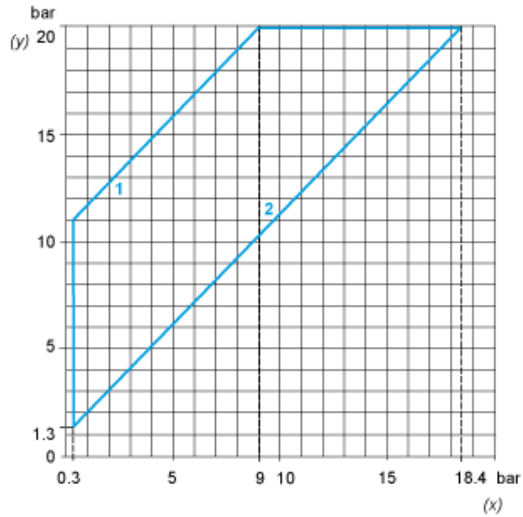
- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) 1 electrical connections entry, tapped Pg 13.5
- Ø : 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

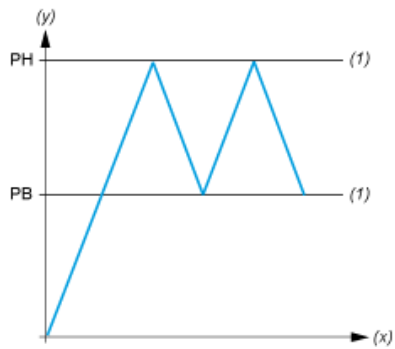
Terminal Model



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