## XMLBS02B2S11

# pressure switch XMLB 2.5 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	36.26 psi (2.5 bar)
Controlled fluid	Air 32320 °F (0160 °C)) Fresh water 32320 °F (0160 °C)) Hydraulic oil (0160 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	Screw-clamps terminals, 1 x 0.52 x 2.5 mm²
AWG gauge	AWG 20AWG 14
Cable entry	Cable gland 0.350.51 in (913 mm)
Contacts type and composition	1 C/O
Product specific application	30 bar overpressure
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	4.3536.26 psi (0.32.5 bar)
Adjustable range of switching point on falling pressure	2.9033.07 psi (0.22.28 bar)
Possible differential maximum at high setting	21.03 psi (1.45 bar)
Maximum permissible accidental pressure	543.89 psi (37.5 bar)
Destruction pressure	979.00 psi (67.5 bar)
Pressure actuator	Diaphragm
Materials in contact with fluid	Steel FPM, FKM
Enclosure material	Zinc alloy
Line 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

Maximum operating rate	120 cyc/mn
Maximum permissible pressure - per cycle  Terminal block type	435.11 psi (30 bar) 4 terminals
Possible differential minimum at high setting	3.19 psi (0.22 bar) - 0.03 bar, + 0.05 bar)
Possible differential minimum at low setting	1.45 psi (0.1 bar) - 0.03 bar, + 0.05 bar)

[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 EN/IEC 60947-1	
Auxiliary contacts operation	Snap action	
Contacts material	Silver contacts	
Maximum 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	2000000 cycles	
Setting	External	
Height	6.38 in (162 mm)	
Depth	4.33 in (110 mm)	
Width	4.33 in (110 mm)	
Net weight	7.72 lb(US) (3.5 kg)	

#### Environment

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Standards	UL 508 CE EN/IEC 60947-5-1 CSA C22.2 No 14
Product certifications	UL LROS (Lloyds register of shipping) CCC BV EAC CSA
Protective treatment	TC standard version
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient air temperature for storage	-40158 °F (-4070 °C)
Operating position	Any position
Vibration resistance	4 gn conforming to IEC 60068-2-6 (f = 30500 Hz)
Shock resistance	50 gn conforming to IEC 60068-2-27
Electrical shock protection class	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 EN/IEC 60529

## Ordering and shipping details

Category	22661 - XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	03389110471236
Nbr. of units in pkg.	1
Package weight(Lbs)	5.66 lb(US) (2.57 kg)
Returnability	No
Country of origin	CZ

## Packing Units

Unit Type of Package 1	PCE	
Package 1 Height	6.38 in (16.2 cm)	
Package 1 width	6.22 in (15.8 cm)	
Package 1 Length	6.22 in (15.8 cm)	
Unit Type of Package 2	S04	
Number of Units in Package 2	4	
Package 2 Weight	26.89 lb(US) (12.195 kg)	
Package 2 Height	11.81 in (30 cm)	
Package 2 width	15.75 in (40 cm)	
Package 2 Length	23.62 in (60 cm)	

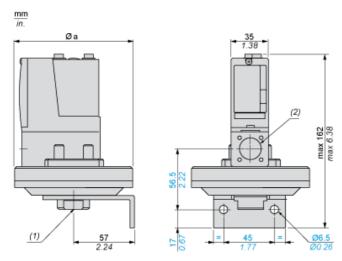
## Offer Sustainability

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
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile

#### Contractual warranty

Warranty	18 months
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#### **Dimensions**



Ø a =110 mm / 4.33 in.

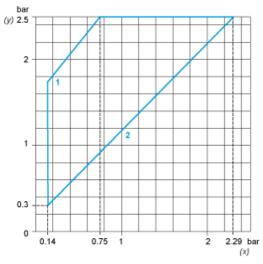
- (1) 1 fluid entry, tapped G1/4 (BSP female)
  (2) 1 electrical connections entry, tapped Pg 13.5

## Wiring Diagram

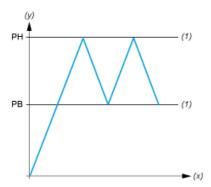
#### **Terminal Model**



#### **Operating Curves**



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



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