

# XMLBM05A2S11

vacu-pressure sensor XMLB 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 vacuum-pressure sensor
Device short name	XMLB
Pressure sensor size	5 bar
Controlled fluid	Air (0...70 °C) Fresh water (0...70 °C) Hydraulic oil (0...70 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	Screw-clamps terminals 1 x 0.5...2 x 2.5 mm <sup>2</sup> 1 connector Pg 13
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 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	-0.5...5 bar
Adjustable range of switching point on falling pressure	-1...4.5 bar
Possible differential maximum at high setting	6 bar
Maximum permissible accidental pressure	11.25 bar
Destruction pressure	23 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	Nitrile Zinc alloy 304L stainless steel
Enclosure material	Zinc alloy
[In] rated current	3 A, B300, AC-15 (U <sub>e</sub> = 120 V) conforming to EN/IEC 60947-5-1 1.5 A, B300, AC-15 (U <sub>e</sub> = 240 V) conforming to EN/IEC 60947-5-1 0.1 A, R300, DC-13 (U <sub>e</sub> = 250 V) conforming to EN/IEC 60947-5-1

## Complementary

Possible differential minimum at low setting	0.5 bar (+/- 0.05 bar)
Possible differential minimum at high setting	0.5 bar (+/- 0.05 bar)
Maximum permissible pressure - per cycle	6.25 bar
Terminal block type	4 terminals
Operating rate	120 cyc/mn at 0...70 °C
Repeat accuracy	< 2 %

[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 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 < 25 mOhm conforming to NF C 93-050 method A
Short-circuit protection	10 A cartridge fuse type gG (gl)
Mechanical durability	3000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Product weight	0.685 kg

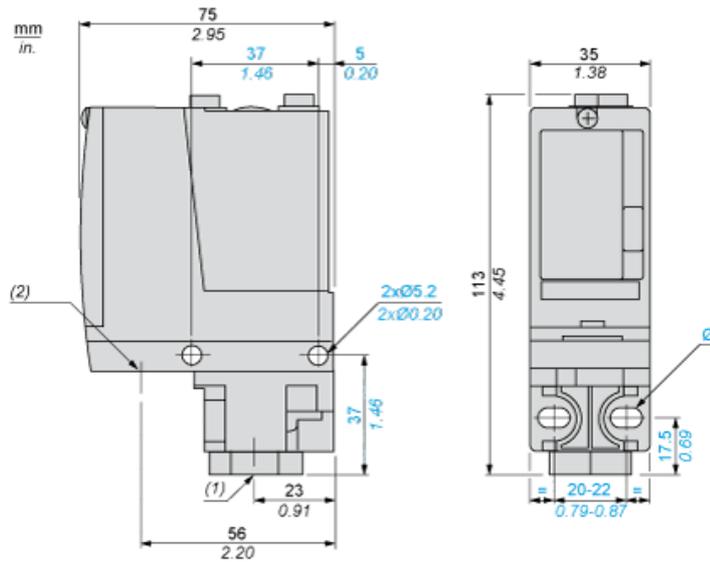
## Environment

Standards	CE EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	BV CCC CSA LROS (Lloyds register of shipping) UL EAC
Protective treatment	TC (standard version)
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 60068-2-6
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 conforming to EN/IEC 60529

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0928 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Dimensions



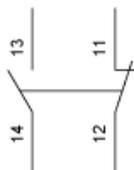
- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) 1 electrical connections entry, tapped Pg 13.5
- Ø : 2 elongated holes Ø 5.2 x 6.7

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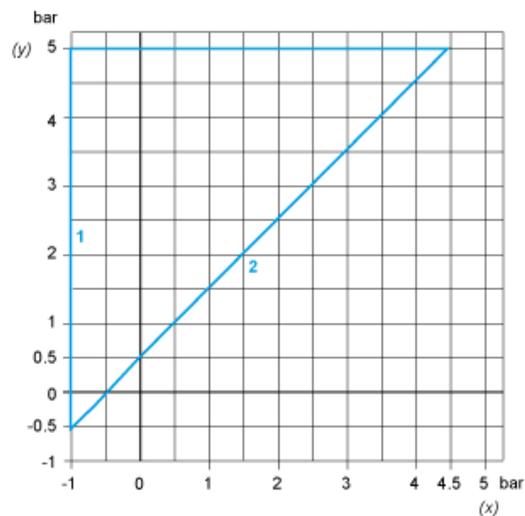
## Wiring Diagram

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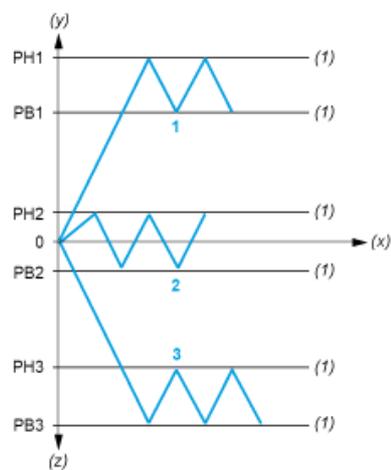
### Terminal Model



Operating Curves



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



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