



### Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLA
Pressure sensor size	36.26 psi (2.5 bar)
Controlled fluid	Air (0...160 °C) Fresh water (0...160 °C) Hydraulic oil (0...160 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	1 male connector EN 175301-803-A (ex DIN43650), 4 pins
Contacts type and composition	1 C/O
Product specific application	-
Pressure switch type of operation	Detection of 1 single threshold
Electrical circuit type	Control circuit
Scale type	Fixed differential
Local display	With
Adjustable range of switching point on rising pressure	2.18...36.26 psi (0.15...2.5 bar)
Adjustable range of switching point on falling pressure	0.29...34.37 psi (0.02...2.37 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 FPM, FKM
Enclosure material	Zinc alloy
[In] 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

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.

## Complementary

Natural differential at low setting	1.89 psi (0.13 bar) +/- 0.03 bar
Natural differential at high setting	1.89 psi (0.13 bar) +/- 0.03 bar
Maximum permissible pressure - per cycle	72.52 psi (5 bar)
Maximum operating rate	120 cyc/mn
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	EN/IEC 60947-1 6 kV
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	8000000 cycles
Setting	External
Height	6.22 in (158 mm)
Depth	3.05 in (77.5 mm)
Width	1.38 in (35 mm)
Net weight	2.23 lb(US) (1.01 kg)

## Environment

Standards	CE CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508
Product certifications	UL LROS (Lloyds register of shipping) CSA CCC EAC BV
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 conforming to IEC 60068-2-6 (f = 30...500 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	IP65 conforming to EN/IEC 60529

## Packing Units

Package 1 Weight	0.00 lb(US) (0.001 kg)
Package 1 Height	1.450 dm
Package 1 width	0.620 dm
Package 1 Length	0.820 dm

## Offer Sustainability

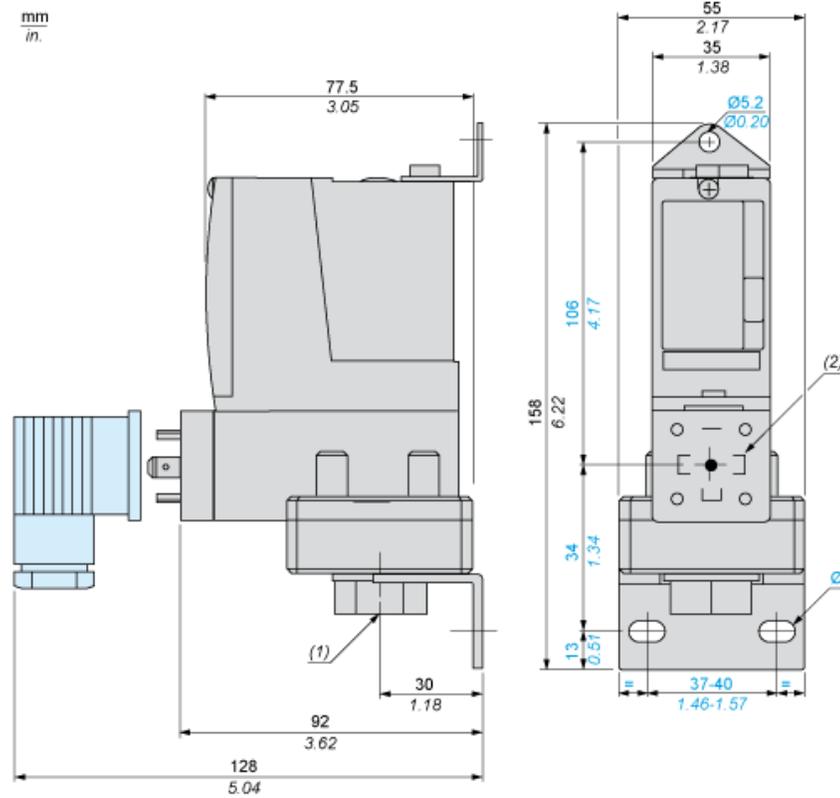
Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Contractual warranty

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

Dimensions



- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) EN 175301-803-A connector

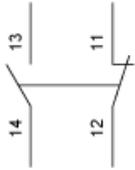
Ø : 2 elongated holes Ø 10.2 x 5.2

---

Wiring Diagram

---

Terminal Model

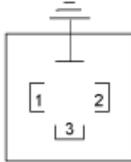


---

Wiring Diagram

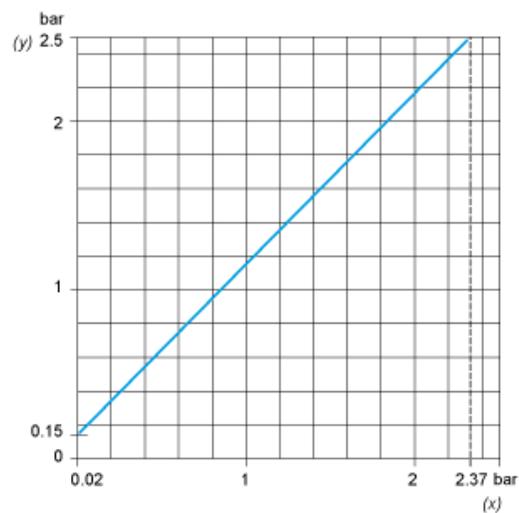
---

Vacuum Switch Connector Pin View

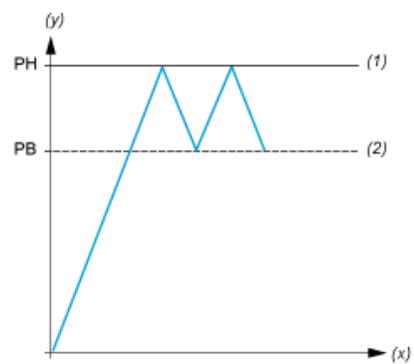


- (1) 11 and 13
- (2) 12
- (3) 14

Operating Curves



(y) Rising pressure  
(x) Falling pressure



(y) Pressure  
(x) Time  
(1) Adjustable value  
(2) Non adjustable value  
PH : High point  
PB : Below point