



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	14.50 psi (1 bar)
Controlled fluid	Air 32...320 °F (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	0.44...14.50 psi (0.03...1 bar)
Adjustable range of switching point on falling pressure	0.15...13.92 psi (0.01...0.96 bar)
Maximum permissible accidental pressure	32.63 psi (2.25 bar)
Destruction pressure	65.27 psi (4.5 bar)
Pressure actuator	Diaphragm
Materials in contact with fluid	FPM, FKM 304L stainless steel Steel
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

Natural differential at low setting	0.02 bar (+/- 0.01 bar)
Natural differential at high setting	0.04 bar (+/- 0.01 bar)
Maximum permissible pressure - per cycle	18.13 psi (1.25 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	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	4000000 cycles
Setting	External
Height	6.38 in (162 mm)
Depth	4.33 in (110 mm)
Width	4.33 in (110 mm)
Net weight	5.67 lb(US) (2.57 kg)

Environment

Standards	UL 508 CSA C22.2 No 14 EN/IEC 60947-5-1 CE
Product certifications	UL CSA CCC EAC BV LROS (Lloyds register of shipping)
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	2 gn 30...500 Hz)IEC 60068-2-6
Shock resistance	30 gn 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 EN/IEC 60529



Ordering and shipping details

Category	22661 - XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	03389110748239
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	6.30 in (16 cm)
Package 1 width	5.91 in (15 cm)
Package 1 Length	5.91 in (15 cm)

Offer Sustainability

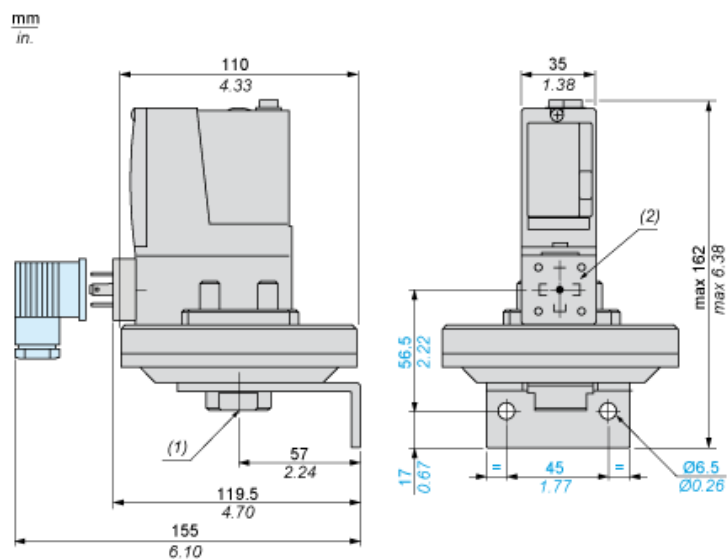
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to 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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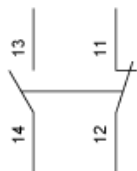
Dimensions



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

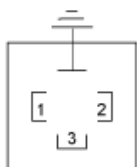
Wiring Diagram

Terminal Model



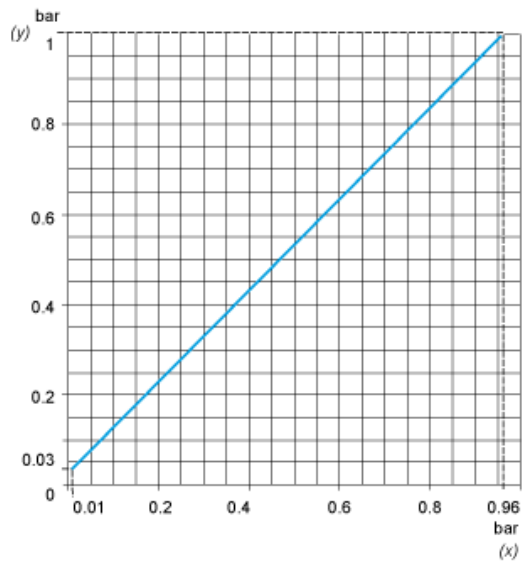
Wiring Diagram

Vacuum Switch Connector Pin View

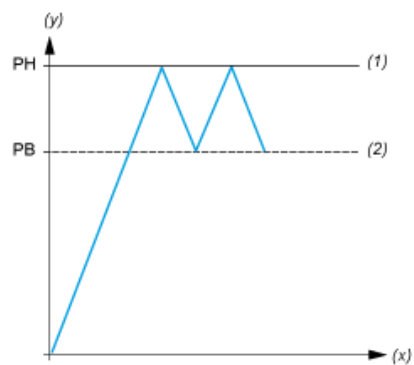


- (1) 11 and 13
- (2) 12
- (3) 14

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