

XMLAM01V2C11

Electromechanical pressure sensor, Pressure sensors XM, vacuum switch XMLA -1 bar, fixed scale 1 threshold, 1 C/O



Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical vacuum sensor
Device short name	XMLA
Pressure rating	-1 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	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	-0.76...-0.04 bar
Adjustable range of switching point on falling pressure	-1...-0.28 bar
Maximum permissible accidental pressure	9 bar
Destruction pressure	18 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	Zinc alloy Nitrile 304L stainless steel
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 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1

Complementary

Natural differential at low setting	0.24 bar (+/- 0.05 bar)
Natural differential at high setting	0.24 bar (+/- 0.05 bar)
Maximum permissible pressure - per cycle	5 bar
Terminal block type	4 terminals
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	3000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Net weight	0.715 kg

Environment

Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 CE
Product certifications	UL EAC CCC BV LROS (Lloyds register of shipping) CSA
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 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	713 g
Package 1 Height	12.5 cm
Package 1 width	4 cm
Package 1 Length	11.5 cm

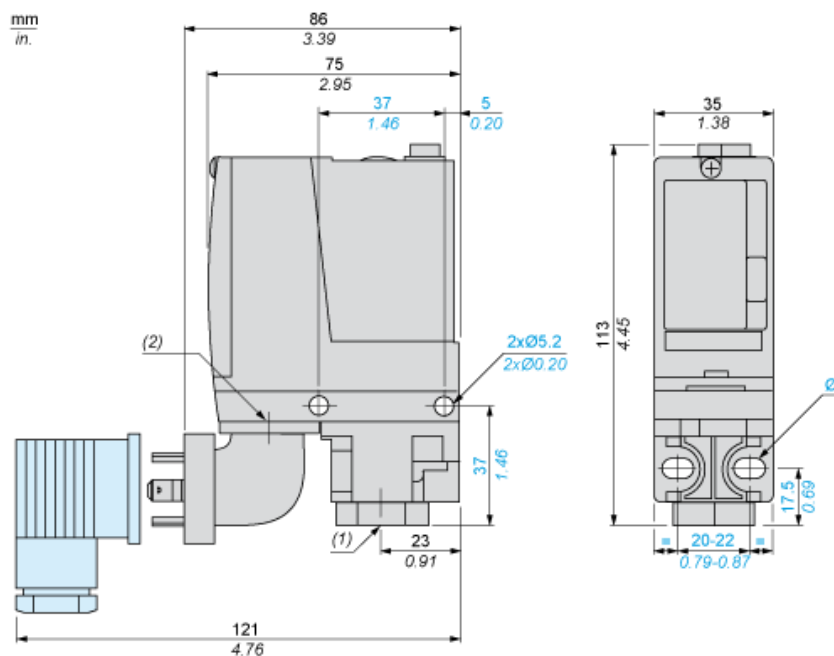
Offer Sustainability

Sustainable offer status	Green Premium product
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

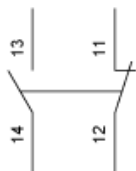
Warranty	18 months
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Dimensions



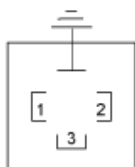
Wiring Diagram

Terminal Model



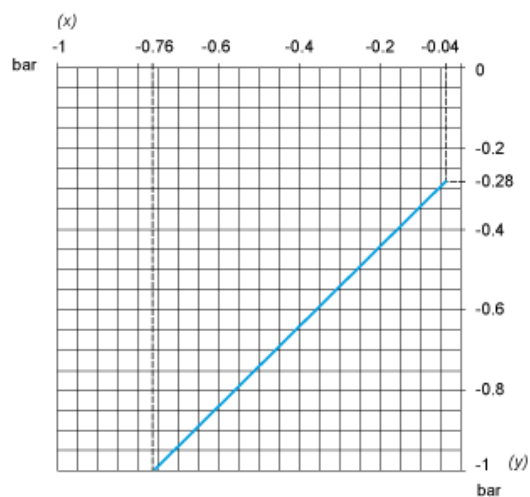
Wiring Diagram

Vacuum Switch Connector Pin View

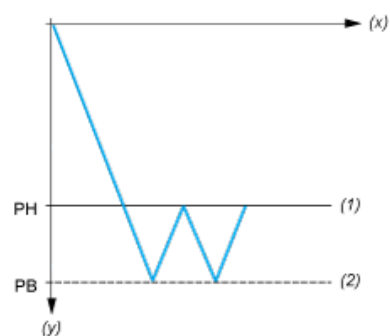


- (1) 11 and 13
- (2) 12
- (3) 14

Operating Curves



- (x) Rising pressure
(y) Falling pressure



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