Product data sheet
Characteristics

XMLA002C2C11
Electromechanical pressure sensor, Pressure sensors XM, switch XMLA 2.5 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 pressure sensor
Device short name	XMLA
Pressure Rating	36.26 psi (2.5 bar)
Controlled fluid	Corrosive fluid 32…320 °F (0…160 °C))
Fluid connection type	G 1/4 (female) 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	316L stainless steel PTFE
Enclosure Material	Zinc alloy
Line Rated Current	3 A, B300, AC-15 (Ue = 120 V)EN/IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V)EN/IEC 60947-5-1

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 UL 508 500 V EN/IEC 60947-1 300 V 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 IEC 255-7 category 3 25 mOhm NF C 93-050 method A

Short-circuit protection	10 A cartridge fuse 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 EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508
Product Certifications	EAC CCC CSA LROS (Lloyds register of shipping) UL 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 30…500 Hz)IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27
Electrical shock protection class	Class I IEC 1140 Class I IEC 536 Class I NF C 20-030
IP degree of protection	IP65 conforming to EN/IEC 60529

Ordering and shipping details

Category	22661-XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	3389110711288
Nbr. of units in pkg.	1
Package weight(Lbs)	2.29 lb(US) (1.04 kg)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.71 in (14.5 cm)
Package 1 width	2.44 in (6.2 cm)
Package 1 Length	3.23 in (8.2 cm)

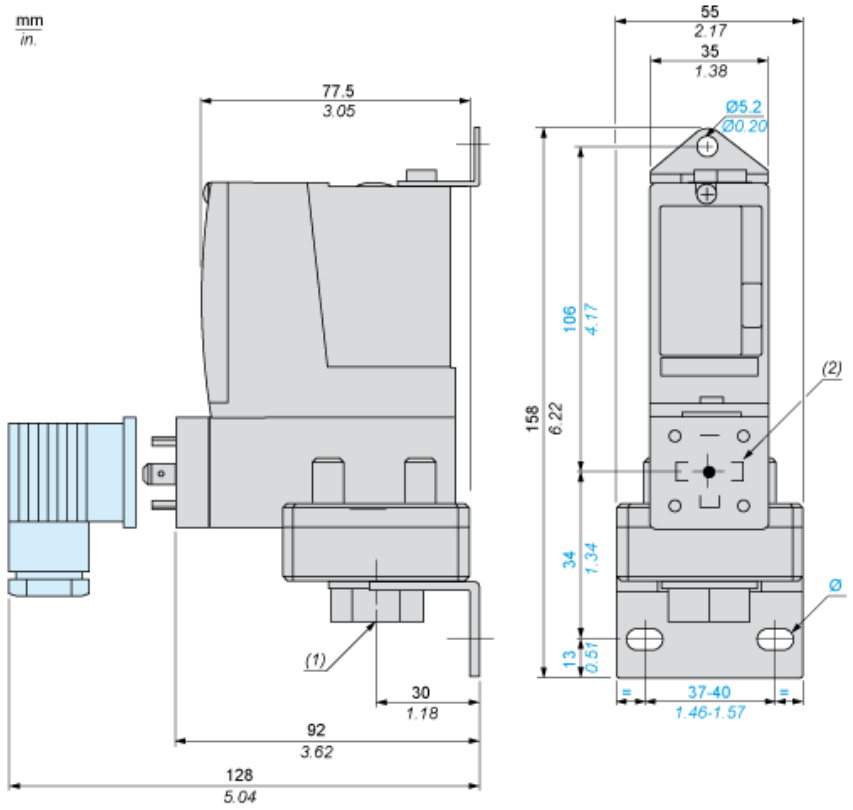
Offer Sustainability

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

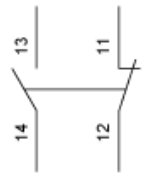
Dimensions



(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

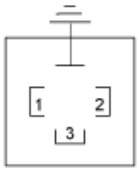
Wiring Diagram

Terminal Model



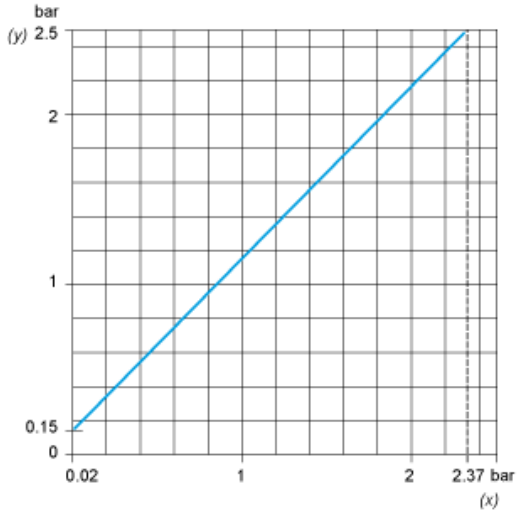
Wiring Diagram

Vacuum Switch Connector Pin View

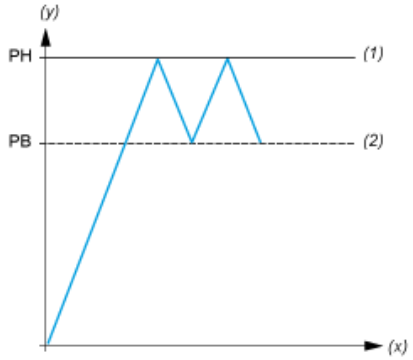


(1) 11 and 13
(2) 12
(3) 14

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