Product data sheet
Characteristics

XMLA160N2C11
pressure switch XMLA 160 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 sensor size	2320.60 psi (160 bar)
Controlled fluid	Air 32…320 °F (0…160 °C)) Corrosive fluid 32…320 °F (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	145.04…2320.60 psi (10…160 bar)
Adjustable range of switching point on falling pressure	65.27…2059.54 psi (4.5…142 bar)
Maximum permissible accidental pressure	5221.36 psi (360 bar)
Destruction pressure	10442.72 psi (720 bar)
Pressure actuator	Piston
Materials in contact with fluid	316L stainless steel FPM, FKM PTFE
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	79.77 psi (5.5 bar) +/- 1 bar)
Natural differential at high setting	18 bar (+/- 3 bar)
Maximum permissible pressure - per cycle	2900.75 psi (200 bar)
Terminal block type	4 terminals
Maximum operating rate	60 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	6000000 cycles
Setting	External
Height	4.45 in (113 mm)
Depth	2.95 in (75 mm)
Width	1.38 in (35 mm)
Net weight	1.72 lb(US) (0.78 kg)

Environment

Standards	CSA C22.2 No 14 UL 508 CE EN/IEC 60947-5-1
Product certifications	EAC BV CSA UL LROS (Lloyds register of shipping) CCC
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 EN/IEC 60529

Ordering and shipping details

GTIN	03389110712230
Package weight(Lbs)	0.19 lb(US) (0.085 kg)

Packing Units

Package 1 Height	1.250 dm
Package 1 width	0.420 dm
Package 1 Length	0.820 dm

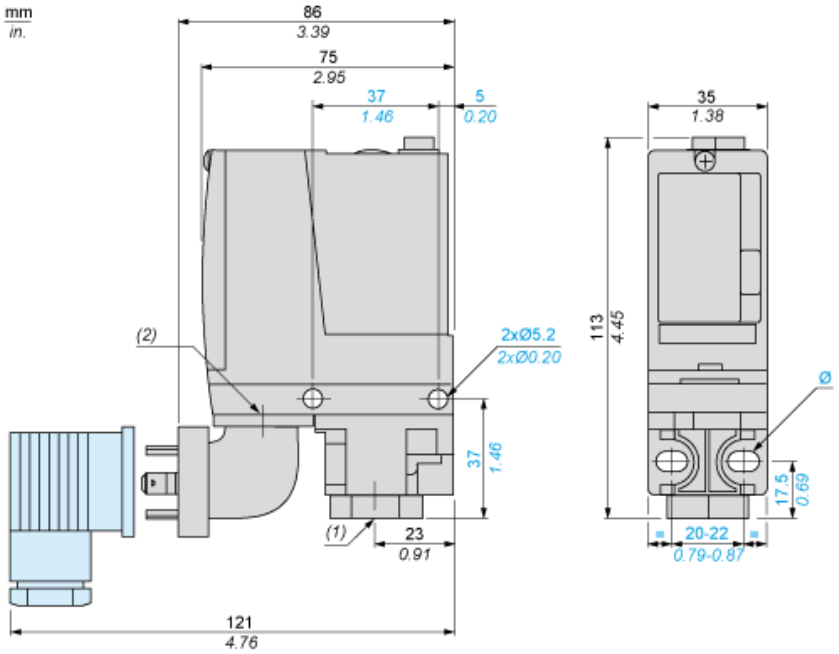
Offer Sustainability

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

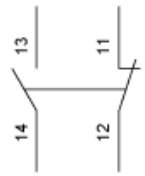
Dimensions



(1) 1 fluid entry, tapped G1/4 (BSP female)
(2) EN 175301-803-A connector
Ø : 2 elongated holes Ø 5.2 x 6.7

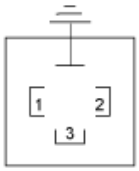
Wiring Diagram

Terminal Model



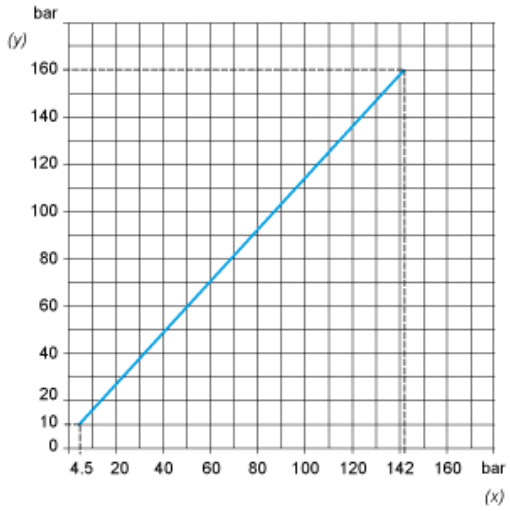
Wiring Diagram

Vacuum Switch Connector Pin View

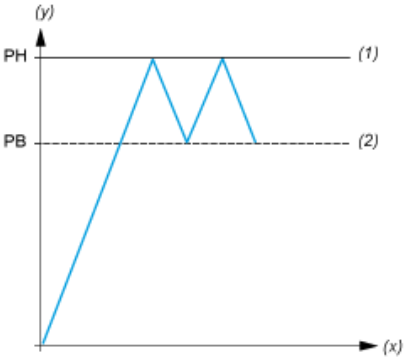


(1) 11 and 13
(2) 12
(3) 14

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