

XMLA160N2S12

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) ISO 228
Electrical connection	Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm²
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 0.28...0.51 in (7...13 mm)
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 PTFE FPM, FKM
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	79.77 psi (5.5 bar) +/- 1 bar)
Natural differential at high setting	261.07 psi (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 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	6000000 cycles
Setting	External
Maximum Height	4.45 in (113 mm)
Maximum Depth	2.95 in (75 mm)
Maximum Width	1.38 in (35 mm)
Net Weight	1.65 lb(US) (0.75 kg)

Environment

Standards	CE UL 508 EN/IEC 60947-5-1 CSA C22.2 No 14
Product certifications	CSA EAC UL BV 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 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	IP66 EN/IEC 60529

Ordering and shipping details

GTIN	03389110751109
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

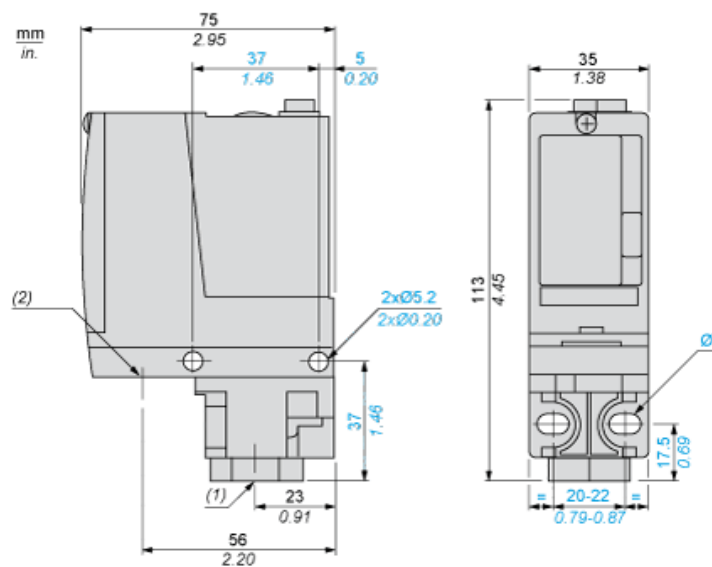
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
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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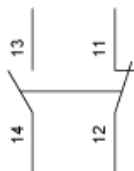
Dimensions



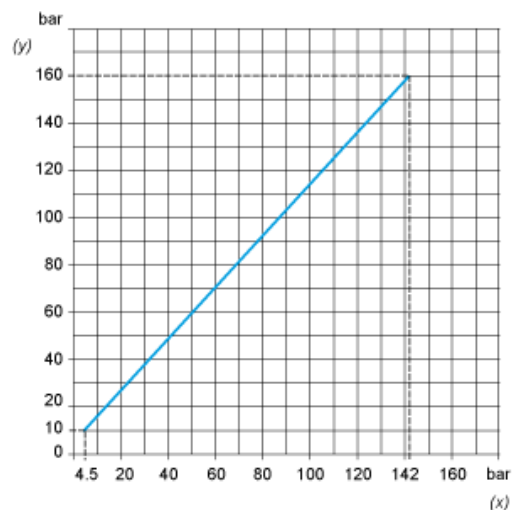
- (1) 1 fluid entry, tapped G1/4 (BSP female)
 (2) 1 electrical connections entry, tapped M20 x 1.5
 Ø : 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

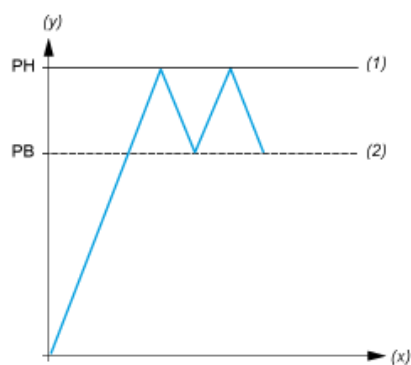
Terminal Model



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