



Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLB
Pressure sensor size	1015.26 psi (70 bar)
Controlled fluid	Fresh water (0...160 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm ² 1 connector Pg 13
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 0.35...0.51 in (9...13 mm)
Contacts type and composition	1 C/O
Product specific application	-
Pressure switch type of operation	Regulation between 2 thresholds
Electrical circuit type	Control circuit
Scale type	Adjustable differential
Local display	With
Adjustable range of switching point on rising pressure	101.53...1015.26 psi (7...70 bar)
Adjustable range of switching point on falling pressure	33.36...887.63 psi (2.3...61.2 bar)
Possible differential maximum at high setting	725.19 psi (50 bar)
Maximum permissible accidental pressure	2320.60 psi (160 bar)
Destruction pressure	4641.21 psi (320 bar)
Pressure actuator	Piston
Materials in contact with fluid	FPM, FKM

	PTFE Brass 316L 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

Possible differential minimum at low setting	68.17 psi (4.7 bar) - 0.4 bar, + 0.7 bar)
Possible differential minimum at high setting	127.63 psi (8.8 bar) - 0.6 bar, + 0.8 bar)
Maximum permissible pressure - per cycle	1305.34 psi (90 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	1.58 lb(US) (0.715 kg)

Environment

Standards	EN/IEC 60947-5-1 CE CSA C22.2 No 14 UL 508
Product certifications	CCC BV CSA EAC LROS (Lloyds register of shipping) UL
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	IP66 conforming to EN/IEC 60529

Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Weight	27.30 oz (774 g)
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	3.23 in (8.2 cm)
Package 1 Length	4.92 in (12.5 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	5
Package 2 Weight	8.88 lb(US) (4.029 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

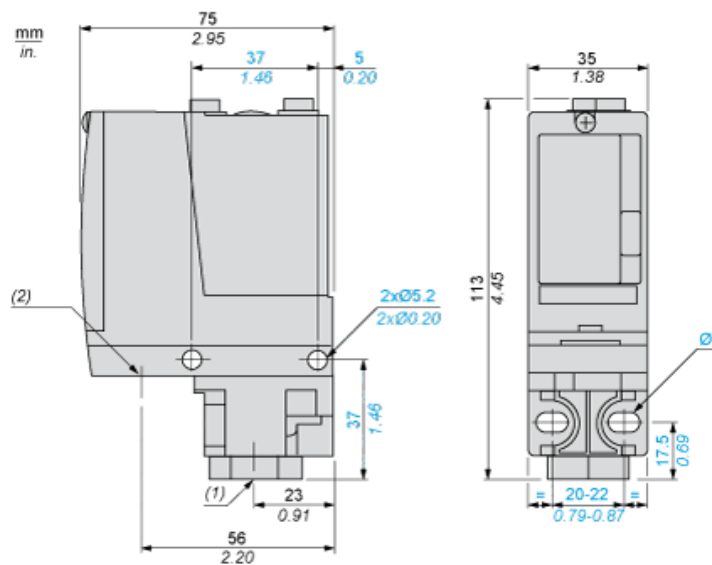
Offer Sustainability

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

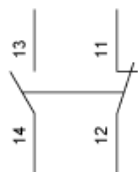
Warranty	18 months
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Dimensions

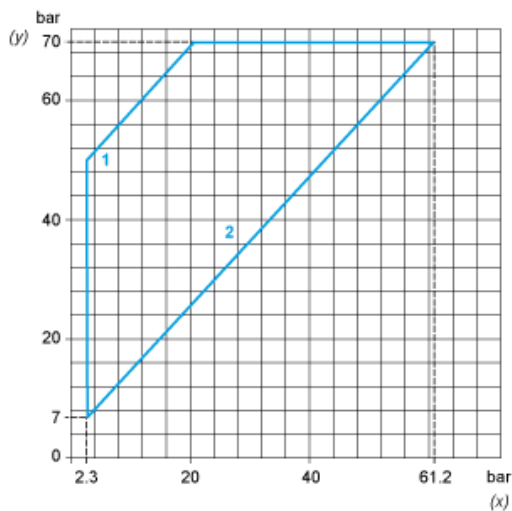


Wiring Diagram

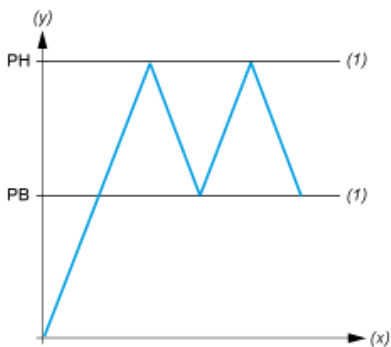
Terminal Model



Operating Curves



- (y) Rising pressure
- (x) Falling pressure
- 1 : Maximum differential
- 2 : Minimum differential



- (y) Pressure
- (x) Time
- (1) Adjustable value
- PH : High point
- PB : Below point