xmlb070d2s12

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	Hydraulic oil (32...320 °F (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 mm² 1 connector ISO M20
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 7...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	2320.6 psi (160 bar)
Destruction pressure	4641.21 psi (320 bar)
Pressure actuator	Piston
Materials in contact with fluid	Brass FPM, FKM PTFE 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
Operating rate	60 cyc/mn
Repeat accuracy	< 2 %
[Ui] rated insulation voltage	500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Resistance across terminals	< 25 mOhm conforming to IEC 255-7 category 3

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	< 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)
Product weight	1.58 lb(US) (0.715 kg)

Environment

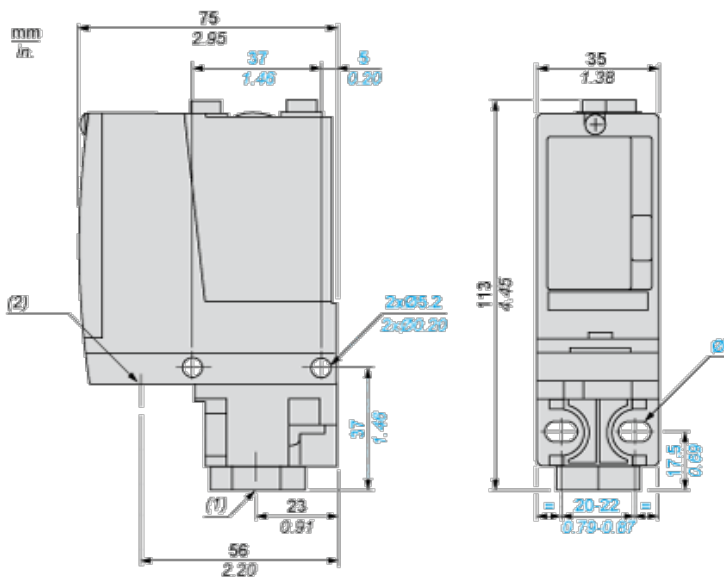|	
standards	CE EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14
product certifications	BV CCC CSA LROS (Lloyds register of shipping) UL EAC
protective treatment	TC (standard version)
ambient air temperature for operation	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)
operating position	Any position
vibration resistance	4 gn (f = 30...500 Hz) conforming to IEC 60068-2-6
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

Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0928 - Schneider Electric declaration of conformity	Compliant - since 0928 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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	For more information go to www.p65warnings.ca.gov

Contractual warranty

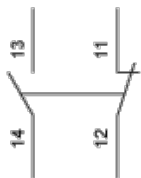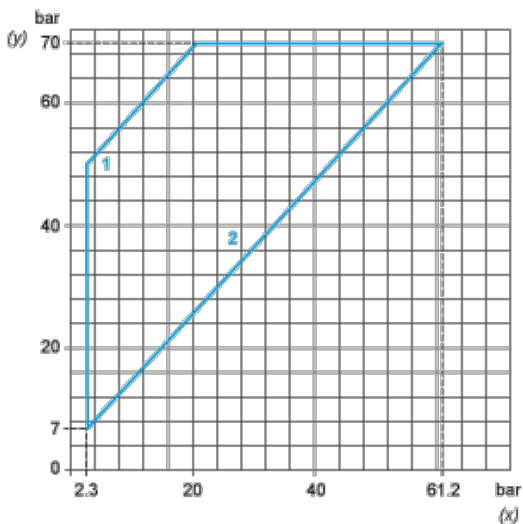|	
Warranty period	18 months

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

1 : Maximum differential

2 : Minimum differential

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(y) Pressure

(x) Time

(1) Adjustable value

PH : High point

PB : Below point