



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	507.63 psi (35 bar)
Controlled fluid	Air (32...158 °F (0...70 °C)) Fresh water (32...158 °F (0...70 °C)) Hydraulic oil (32...158 °F (0...70 °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 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	50.76...507.63 psi (3.5...35 bar)
Adjustable range of switching point on falling pressure	26.11...470.65 psi (1.8...32.45 bar)
Possible differential maximum at high setting	290.08 psi (20 bar)
Maximum permissible accidental pressure	1160.3 psi (80 bar)
Destruction pressure	2320.6 psi (160 bar)
Pressure actuator	Diaphragm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Materials in contact with fluid	Brass Nitrile Zinc alloy
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	24.66 psi (1.7 bar) (- 0.5 bar, + 0.7 bar)
Possible differential minimum at high setting	36.98 psi (2.55 bar) (- 0.5 bar, + 0.7 bar)
Maximum permissible pressure - per cycle	652.67 psi (45 bar)
Terminal block type	4 terminals
Operating rate	<= 120 cyc/mn at > 32 °F (0 °C)
Repeat accuracy	< 2 %
[Ui] rated insulation voltage	300 V conforming to CSA C22.2 No 14 500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508
[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 < 25 mOhm conforming to NF C 93-050 method A
Short circuit protection	10 A cartridge fuse type gG (gl)
Mechanical durability	5000000 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
Class of protection against electric shock	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

Ordering and shipping details

Category	22661 - XMLA,B,C,D PRESSURE SWITCHES
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Discount Schedule	DS2
GTIN	00785901637561
Nbr. of units in pkg.	1
Package weight(Lbs)	1.6100000000000001
Returnability	N
Country of origin	CZ

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0902 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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