



Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical vacuum sensor
Device short name	XMLA
Pressure sensor size	-14.5 psi (-1 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	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	-11.02...-0.58 psi (-0.76...-0.04 bar)
Adjustable range of switching point on falling pressure	-14.5...-4.06 psi (-1...-0.28 bar)
Maximum permissible accidental pressure	130.53 psi (9 bar)
Destruction pressure	261.07 psi (18 bar)
Pressure actuator	Diaphragm
Materials in contact with fluid	Nitrile Zinc alloy 304L 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

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

Complementary

Natural differential at low setting	3.48 psi (0.24 bar) (+/- 0.05 bar)
Natural differential at high setting	3.48 psi (0.24 bar) (+/- 0.05 bar)
Maximum permissible pressure - per cycle	72.52 psi (5 bar)
Terminal block type	4 terminals
Operating rate	120 cyc/mn at 0...70 °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	3000000 cycles
Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	4.45 in (113 mm)
Depth	2.95 in (75 mm)
Width	1.38 in (35 mm)
Product weight	1.51 lb(US) (0.685 kg)
Controlled fluid	Air,Hydraulic oil,fresh water
Temperature of controlled fluid	0...70 °C

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

Ordering and shipping details

Category	21561 - XMLK,XMLP PRESSURE TRANSMITTERS
Discount Schedule	DS2
GTIN	003389110709575
Nbr. of units in pkg.	1
Package weight(Lbs)	1.5800000000000001