

# XMLBS04B2S13

pressure sensor XMLB 4 bar - adjustable scale  
2 threshold - 1 C/O - with display



## 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	58.02 psi (4 bar)
Controlled fluid	Air 32...320 °F (0...160 °C)) Fresh water 32...320 °F (0...160 °C)) Hydraulic oil 32...320 °F (0...160 °C))
Fluid connection type	1/4" - 18 NPTF (female)
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	30 bar overpressure
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	3.63...58.02 psi (0.25...4 bar)
Adjustable range of switching point on falling pressure	1.45...53.08 psi (0.1...3.66 bar)
Possible differential maximum at high setting	35.68 psi (2.46 bar)
Maximum permissible accidental pressure	543.89 psi (37.5 bar)
Destruction pressure	979.00 psi (67.5 bar)
Pressure actuator	Diaphragm
Materials in contact with fluid	Steel 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

Possible differential minimum at low setting	2.18 psi (0.15 bar) +/- 0.01 bar)
Possible differential minimum at high setting	4.93 psi (0.34 bar) - 0.03 bar, + 0.05 bar)
Maximum permissible pressure - per cycle	435.11 psi (30 bar)
Terminal block type	4 terminals
Maximum operating rate	120 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	2000000 cycles
Setting	External
Maximum Height	6.38 in (162 mm)
Maximum Depth	4.33 in (110 mm)
Maximum Width	4.33 in (110 mm)
Net Weight	7.72 lb(US) (3.5 kg)

## Environment

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

## Contractual warranty

Warranty	18 months
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