

XMLB004B2C13

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	1 male connector EN 175301-803-A (ex DIN43650), 4 pins
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	3.63...58.02 psi (0.25...4 bar)
Adjustable range of switching point on falling pressure	0.73...54.39 psi (0.05...3.75 bar)
Possible differential maximum at high setting	34.81 psi (2.4 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	FPM, FKM Steel
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	2.90 psi (0.2 bar) +/- 0.01 bar)
Possible differential minimum at high setting	3.63 psi (0.25 bar) - 0.03 bar, + 0.05 bar)
Maximum permissible pressure - per cycle	72.52 psi (5 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	8000000 cycles
Setting	External
Maximum Height	6.22 in (158 mm)
Maximum Depth	3.05 in (77.5 mm)
Maximum Width	1.38 in (35 mm)
Net Weight	2.27 lb(US) (1.03 kg)

Environment

Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 CE UL 508
Product certifications	BV UL CSA LROS (Lloyds register of shipping) EAC CCC
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	IP65 EN/IEC 60529

Contractual warranty

Warranty	18 months
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