

XMLA001R2C13

pressure sensor XMLA 1 bar - fixed scale 1
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	XMLA
Pressure sensor size	14.50 psi (1 bar)
Controlled fluid	Air 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	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	0.44...14.50 psi (0.03...1 bar)
Adjustable range of switching point on falling pressure	0.15...13.92 psi (0.01...0.96 bar)
Maximum permissible accidental pressure	32.63 psi (2.25 bar)
Destruction pressure	65.27 psi (4.5 bar)
Pressure actuator	Diaphragm
Materials in contact with fluid	FPM, FKM 304L stainless steel 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

Natural differential at low setting	0.29 psi (0.02 bar) +/- 0.01 bar
Natural differential at high setting	0.58 psi (0.04 bar) +/- 0.01 bar
Maximum permissible pressure - per cycle	18.13 psi (1.25 bar)
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	4000000 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	5.67 lb(US) (2.57 kg)

Environment

Standards	UL 508 EN/IEC 60947-5-1 CSA C22.2 No 14 CE
Product certifications	BV LROS (Lloyds register of shipping) CCC EAC UL CSA
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	2 gn 30...500 Hz)IEC 60068-2-6
Shock resistance	30 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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