

Product Datasheet

Characteristic

XMLA004A2S11

pressure switch XMLA 4 bar - fixed
scale 1 threshold - 1 C/O



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	58.02 psi (4 bar)
controlled fluid	32...158 °F (0...70 °C) Air 32...158 °F (0...70 °C) Fresh water Hydraulic oil 32...158 °F (0...70 °C))
fluid connection type	G 1/4 (female) 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 0.35...0.51 in (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	5.80...58.02 psi (0.4...4 bar)
adjustable range of switching point on falling pressure	0.73...52.94 psi (0.05...3.65 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 Zinc alloy
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	5.08 psi (0.35 bar) +/- 0.03 bar)
natural differential at high setting	5.08 psi (0.35 bar) +/- 0.03 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	EN/IEC 60947-1 6 kV
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	4.45 in (113 mm)
Maximum Depth	2.95 in (75 mm)
Maximum Width	1.38 in (35 mm)
Net Weight	1.51 lb(US) (0.685 kg)

Environment

standards	CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 CE
product certifications	EAC UL BV CCC CSA LROS (Lloyds register of shipping)
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	IEC 60068-2-27 50 gn
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

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP110914EN