Product data sheet
Characteristics

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
Pressure sensor name	XMLA
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9...13 mm
Contacts type and composition	1 C/O
Electrical circuit type	Control circuit
Controlled fluid	Air (0...70 °C) Fresh water (0...70 °C) Hydraulic oil (0...70 °C) Sea water (0...70 °C)
Electrical connection	Screw-clamps terminals 1 x 0.2...2 x 2.5 mm²
Fluid connection type	G 1/4 (female) conforming to ISO 228
Pressure sensor size	4 bar
Scale type	Fixed differential
Local display	With
Pressure switch type of operation	Detection of 1 single threshold
Product specific application	-
Adjustable range of switching point on rising pressure	0.4...4 bar
Adjustable range of switching point on falling pressure	0.05...3.65 bar
Maximum permissible accidental pressure	9 bar
Destruction pressure	18 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	Nitrile Zinc alloy
Enclosure material	Zinc alloy
[In] rated current	B300, AC-15 (Ue = 120 V B300, AC-15 (Ue = 240 V R300, DC-13 (Ue = 250 V

Complementary

Natural differential at low setting	0.35 bar (+/- 0.03 bar)
Natural differential at high setting	0.35 bar (+/- 0.03 bar)
Maximum permissible pressure - per cycle	5 bar
Terminal block type	4 terminals
Operating rate	<= 120 cyc/mn at > 0 °C
Repeat accuracy	< 2 %
[Ui] rated insulation voltage	300 V conforming to CSA C22-2 No 14 300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1
[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	8000000 cycles
Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	75 mm
Depth	113 mm
Width	35 mm
CAD overall depth	75 mm
CAD overall height	113 mm
CAD overall width	35 mm
Product weight	0.685 kg

Environment

Standards	CE CSA C22-2 No 14 EN/IEC 60947-5-1 UL 508
Product certifications	BV CCC CSA DNV (Det Norske Veritas) GL LROS (Lloyds register of shipping) RINA UL VIT-SEPRO
Protective treatment	TC
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Operating position	Any position
Vibration resistance	4 gn (f = 30...500 Hz) conforming to IEC 68-2-6
Shock resistance	50 gn conforming to IEC 68-2-27
Class of protection against electric shock	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