Product data sheet
Characteristics

XMLA020A2S11
pressure switch XMLA 20 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
Product specific application	-
Pressure sensor name	XMLA
Electrical circuit type	Control circuit
Pressure swt type of operation	Detection of 1 single threshold
Type of scale	Fixed differential
Pressure sensor size	20 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adj range low setting	0.6...19 bar
Adj range high setting	1...20 bar
Max perm accidental pressure	45 bar
Destruction pressure	90 bar
Electrical connection	Screw-clamps terminals 1 x 0.2...2 x 2.5 mm²
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9 - 13 mm
Pressure actuator	Diaphragm
Controlled fluid	Air (0 - 70 °C) Fresh water (0 - 70 °C) Hydraulic oil (0 - 70 °C) Sea water (0 - 70 °C)
Materials in contact wth fluid	Nitrile Zinc alloy
Enclosure material	Zinc alloy
In rated current	B300, AC-15 (Ue = 120 V conforming to EN/IEC 60947-5-1 B300, AC-15 (Ue = 240 V conforming to EN/IEC 60947-5-1 R300, DC-13 (Ue = 250 V conforming to EN/IEC 60947-5-1
Contacts type and composition	1 C/O

Complementary

Natural diff at low setting	0.4 bar (+/- 0.2 bar)
Natural diff at high setting	1 bar (+/- 0.1 bar)
Max perm pressure - per cycle	25 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 imp wstdvoltage	6 kV conforming to EN/IEC 60947-1
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts

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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	5000000 cycles
Setting	External
Product weight	0.685 kg
Terminals description ISO n_T1	(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

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 temp for op	-25...70 °C
Ambient air temp 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 prot agnst elec 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