Product data sheet
Characteristics

XMLBM05A2S11
vacu-pressure sensor XMLB 5 bar - adjustable scale 2 thresholds - 1 C/O



Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical vacuum-pressure sensor
Product specific application	-
Pressure sensor name	XMLB
Electrical circuit type	Control circuit
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Pressure sensor size	5 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adjustable range of switching point on falling pressure	-1...4.5 bar
Adjustable range of switching point on rising pressure	-0.5...5 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)
IP degree of protection	IP66 conforming to EN/IEC 60529
[In] rated current	B300 , AC-15 (Ue = 240 V conforming to EN/IEC 60947-5-1 B300 , AC-15 (Ue = 120 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
Setting	External

Complementary

Possible differential minimum at low setting	0.5 bar (+/- 0.05 bar)
Possible differential minimum at high setting	0.5 bar (+/- 0.05 bar)
Possible differential maximum at high setting	6 bar
Maximum permissible accidental pressure	11.25 bar
Maximum permissible pressure - per cycle	6.25 bar
Destruction pressure	23 bar
Terminal block type	4 terminals
Materials in contact with fluid	Nitrile Stainless steel Zinc alloy
Enclosure material	Zinc alloy
Operating position	Any position
Operating rate	≤ 120 cyc/mn at > 0 °C

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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	3000000 cycles
Product weight	0.685 kg
Height	75 mm
Depth	113 mm
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 temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
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 NF C 20-030 Class I conforming to IEC 1140 Class I conforming to IEC 536
RoHS EUR conformity date	0928
RoHS EUR status	Compliant