

Main

Commercial Status	Commercialised
Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLC
Pressure sensor size	10 bar
Controlled fluid	Sea water (0...160 °C) Hydraulic oil (0...160 °C) Fresh water (0...160 °C) Air (0...160 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	Screw-clamps terminals 1 x 0.2...2 x 2.5 mm ²
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9...13 mm
Contacts type and composition	2 C/O
Product specific application	-
Pressure switch type of operation	Regulation between 2 thresholds
Electrical circuit type	Control circuit
Scale type	Adjustable differential
Local display	With
Adjustable range of switching point on rising pressure	0.7...10 bar
Adjustable range of switching point on falling pressure	0.25...9.3 bar
Possible differential maximum at high setting	8 bar
Maximum permissible accidental pressure	22.5 bar
Destruction pressure	45 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	Brass FPM, FKM
Enclosure material	Zinc alloy
[In] rated current	0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/IEC 60947-5-1

Complementary

Possible differential minimum at low setting	0.45 bar (+/- 0.05 bar)
Possible differential minimum at high setting	0.7 bar (+/- 0.01 bar)
Maximum permissible pressure - per cycle	12.5 bar
Terminal block type	8 terminals
Operating rate	<= 120 cyc/mn at > 0 °C
Repeat accuracy	< 2 %

[Ui] rated insulation voltage	500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Auxiliary contacts operation	Simultaneous, snap action
Contacts material	Silver contacts
Resistance across terminals	< 25 mOhm conforming to NF C 93-050 method A < 25 mOhm conforming to IEC 255-7 category 3
Short circuit protection	10 A cartridge fuse type gG (gl)
Mechanical durability	5000000 cycles
Setting	External
Height	85 mm
Depth	113 mm
Width	46 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 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 NF C 20-030 Class I conforming to IEC 536 Class I conforming to IEC 1140
IP degree of protection	IP66 conforming to EN/IEC 60529

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0928

Contractual warranty

Period	18 months
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