

Main

Commercial Status	Commercialised
Range of product	OsiSense XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMP
Pressure sensor size	12 bar
Fluid connection type	G 1/4 (female) conforming to ISO 228
Controlled fluid	Sea water (0...70 °C) Fresh water (0...70 °C) Air (0...70 °C)
Cable entry	2 entries tapped for Pg 13.5 cable gland conforming to NF C 68-300
Contacts type and composition	3 NC snap action
Product specific application	-
Pressure switch type of operation	Regulation between 2 thresholds
Electrical connection	Screw-clamp terminals, clamping capacity: minimum : 2 x 4 mm ²
Electrical circuit type	Power circuit
Scale type	Adjustable differential
Local display	Without
Sale per indivisible quantity	1

Complementary

Adjustable range of switching point on falling pressure	0.3...10.3 bar
Adjustment range high setting	1.3...12 bar
Possible differential minimum at low setting	1 bar
Possible differential minimum at high setting	1.7 bar
Possible differential maximum at high setting	8.4 bar
Destruction pressure	30 bar
Type of decompression valve	Without
Control type	Without
Terminal block type	6 terminals
Pressure actuator	Diaphragm
Materials in contact with fluid	Canvas covered nitrile Chromated zinc alloy
Enclosure material	PA impregnated with fibreglass
Operating position	Any position
Operating rate	10 cyc/mn
Repeat accuracy	< 3.5 %
[Ui] rated insulation voltage	500 V conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Resistance across terminals	<= 25 MOhm conforming to NF C 93-050 method A <= 25 MOhm conforming to IEC 60255-7 category 3

Electrical durability	700000 cycles (2.2 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases) 600000 cycles (1.5 kW, operating rate: 10 cyc/mn, load factor: 0.4, 230 V AC 3 phases) 500000 cycles (3 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases) 1000000 cycles (1.5 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases)
Mechanical durability	1000000 cycles
Setting	Nut
Product weight	0.43 kg
Terminals description ISO n°1	(1-2)NC (3-4)NC (5-6)NC
CAD overall depth	98 mm
CAD overall height	125 mm
CAD overall width	57 mm

Environment

Standards	CE EN/IEC 60947-4-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	3 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn conforming to IEC 60068-2-27
Class of protection against electric shock	Class I conforming to IEC 60536
IP degree of protection	IP54 conforming to EN/IEC 60529

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(Y Y W W)	0627

Contractual warranty

Period	18 months
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