



## Main

Range of product	OsiSense XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMP
Pressure sensor size	12 bar
Fluid connection type	G 3/8 (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 incorporating Pg 13.5 plastic cable gland, cable outer diameter: 9...13 mm conforming to NF C 68-300
Contacts type and composition	3 NC snap action
Product specific application	Bulk packaging
Pressure switch type of operation	Regulation between 2 thresholds
Electrical connection	Screw-clamp terminals, clamping capacity: minimum : 2 x 4 mm <sup>2</sup>
Electrical circuit type	Power circuit
Scale type	Adjustable differential
Local display	Without
Sale per indivisible quantity	10

## 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	ON/OFF knob
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	Knurled knob and nut
Product weight	0.43 kg
Terminals description ISO n°1	(1-2)NC (3-4)NC (5-6)NC
Depth	98 mm
Height	125 mm
Width	57 mm

## Environment

Product certifications	EAC
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