



Main

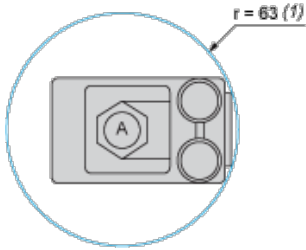
Range of product	OsiSense XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMP
Pressure sensor size	174.05 psi (12 bar)
Fluid connection type	G 3/8 (female) conforming to ISO 228
Controlled fluid	Air (32...158 °F (0...70 °C)) Fresh water (32...158 °F (0...70 °C)) Sea water (32...158 °F (0...70 °C))
Cable entry	2 entries incorporating Pg 13.5 plastic cable gland, cable outer diameter: 0.35...0.51 in (9...13 mm) conforming to NF C 68-300
Contacts type and composition	2 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	4.35...149.39 psi (0.3...10.3 bar)
Adjustment range high setting	18.85...174.05 psi (1.3...12 bar)
Possible differential minimum at low setting	14.5 psi (1 bar)
Possible differential minimum at high setting	24.66 psi (1.7 bar)
Possible differential maximum at high setting	121.83 psi (8.4 bar)
Destruction pressure	435.11 psi (30 bar)
Type of decompression valve	Without
Control type	Without
Terminal block type	4 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 IEC 60255-7 category 3 <= 25 MOhm conforming to NF C 93-050 method A
Electrical durability	1000000 cycles (1.5 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases) 500000 cycles (3 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) 700000 cycles (2.2 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases)
Mechanical durability	1000000 cycles

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Minimum Mounting Clearance



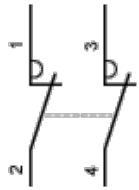
ØA G 3/8

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(1) Minimum clearance zone for screwing-on pressure switch at point A

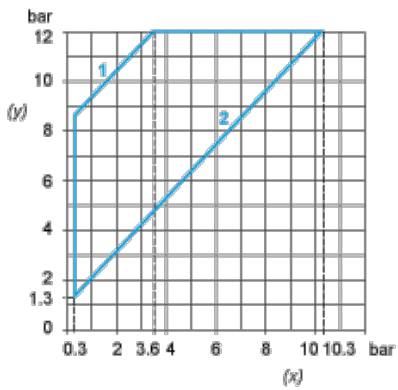
Wiring Diagram

Terminal Connections



Curves

Operating Curves

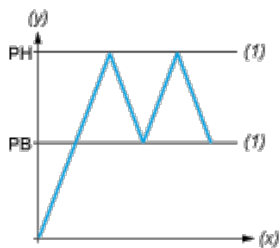


(y) Rising pressure

(x) Falling pressure

1 : Maximum differential

2 : Minimum differential



(y) Pressure

(x) Time

(1) Adjustable value

PH : High point

PB : Below point