



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 1/4 (female) conforming to ISO 228
Controlled fluid	Air (0...70 °C) Fresh water (0...70 °C) Sea water (0...70 °C)
Cable entry	2 entries tapped for Pg 13.5 cable gland 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	14.50 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	Chromated zinc alloy Canvas covered nitrile
Enclosure material	PA impregnated with fibreglass
Operating position	Any position
Maximum 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	EN/IEC 60947-1 6 kV
Maximum resistance across terminals	25 MOhm 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
Setting	Nut
Net weight	0.95 lb(US) (0.43 kg)
Terminals description ISO n°1	(3-4)NC (1-2)NC
Depth	3.86 in (98 mm)
Height	4.17 in (106 mm)
Width	2.24 in (57 mm)

Environment

Product certifications	EAC
Standards	CE EN/IEC 60947-4-1
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Vibration resistance	3 gn conforming to IEC 60068-2-6 (f = 10...500 Hz)
Shock resistance	50 gn conforming to IEC 60068-2-27
Electrical shock protection class	Class I conforming to IEC 60536
IP degree of protection	IP54 conforming to EN/IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	17.67 oz (501 g)
Package 1 Height	2.44 in (6.2 cm)
Package 1 width	4.53 in (11.5 cm)
Package 1 Length	6.69 in (17 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Weight	23.66 lb(US) (10.733 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months
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