

XMPA12C2242

Pressure sensors XM, pressure sensor XMP,
12 bar, G 3/8 female, 3 NC, without control
type



Main

Range of Product	OsiSense XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMP
Pressure Rating	174.05 psi (12 bar)
Fluid connection type	G 3/8 (female) 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 0.35...0.51 in (9...13 mm) 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 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	6 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 EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-1
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3 25 MOhm NF C 93-050 method A
Electrical durability	1000000 Cycles 1.5 kW 10 cyc/mn 0.4, 400 V AC 3 phase 500000 Cycles 3 kW 10 cyc/mn 0.4, 400 V AC 3 phase 600000 Cycles 1.5 kW 10 cyc/mn 0.4, 230 V AC 3 phase 700000 cycles 2.2 kW 10 cyc/mn 0.4, 400 V AC 3 phase

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Mechanical durability	1000000 cycles
Setting	Knurled knob and nut
Net Weight	0.95 lb(US) (0.43 kg)
Terminals description ISO n°1	(3-4)NC (5-6)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	EN/IEC 60947-4-1 CE
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 10...500 Hz)IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27
Electrical shock protection class	Class I IEC 60536
IP degree of protection	IP54 conforming to EN/IEC 60529

Ordering and shipping details

Category	22661 - XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	3389110349030
Nbr. of units in pkg.	1
Package weight(Lbs)	18.55 oz (526 g)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	6.77 in (17.2 cm)
Package 1 Length	4.49 in (11.4 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Weight	24.11 lb(US) (10.935 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)
Package 3 Height	30.31 in (77 cm)

Offer Sustainability

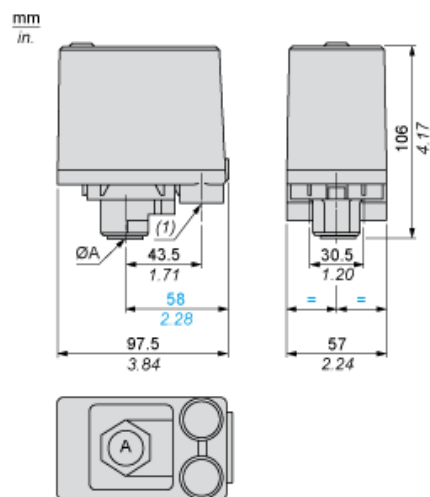
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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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Dimensions

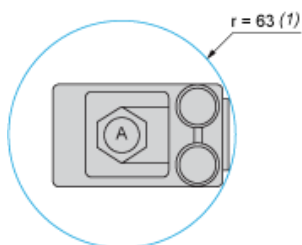
Without Decompression Valve



ØA = G 3/8

(1) 2 tapped entries for Pg 13.5

Minimum Mounting Clearance

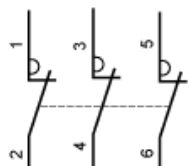


ØA = G 3/8

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

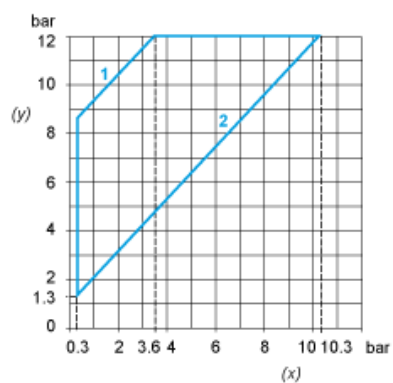
Wiring Diagram

Terminal Connections

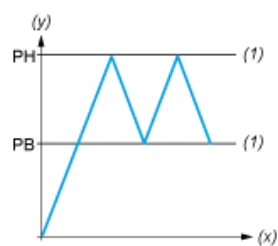


Curves

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

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