

XMPR12B2133

Pressure sensors XM, pressure sensor XMP,
12 bar, G 1/4 female, 2 NC, ON/OFF knob
control



Main

Range of Product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMP
Pressure Rating	174.05 psi (12 bar)
Fluid connection type	G 1/4 (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 tapped for Pg 13.5 cable gland 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 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	Straight valve olive connection
Control Type	ON/OFF knob
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 IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV 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
Mechanical durability	1000000 cycles

Setting	Nut
Net Weight	0.99 lb(US) (0.45 kg)
Terminals description ISO n°1	(1-2)NC (3-4)NC
Depth	3.86 in (98 mm)
Height	5.43 in (138 mm)
Width	2.24 in (57 mm)

Environment

Product Certifications	EAC
Standards	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	IP65 conforming to IEC 60529

Ordering and shipping details

Category	US10DS222661
Discount Schedule	0DS2
GTIN	3389110787573
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.36 in (6.000 cm)
Package 1 Width	6.69 in (17.000 cm)
Package 1 Length	4.53 in (11.500 cm)
Package 1 Weight	19.08 oz (541.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	10.22 lb(US) (4.637 kg)

Offer Sustainability

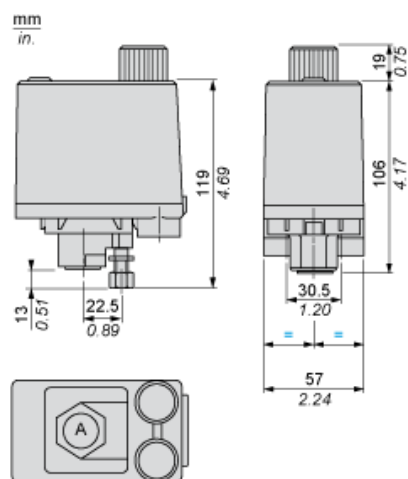
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Circularity Profile	No need of specific recycling operations
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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Dimensions

With Straight, Olive Connection, Decompression Valve



ØA = G 1/4

(1) 2 tapped entries for Pg 13.5

Minimum Mounting Clearance

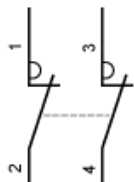


ØA = G1/4

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

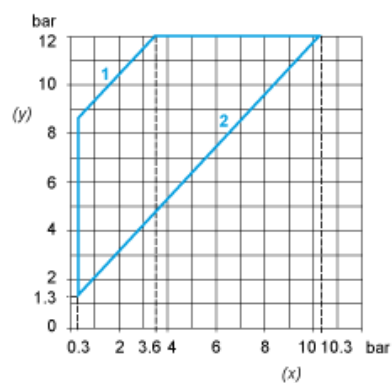
Wiring Diagram

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