Product data sheet
Characteristics

XMPA25B2131
Pressure sensors XM, pressure sensor XMP, 25 bar, G 1/4 female, 2 NC, without control type

Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMP
Pressure rating	25 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 mm²
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	0.1…20.5 bar
Adjustment range high setting	3.5…25 bar
Possible differential minimum at low setting	3.4 bar
Possible differential minimum at high setting	4.5 bar
Possible differential maximum at high setting	20 bar
Destruction pressure	100 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 IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
Maximum 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
Setting	Nut
Net weight	0.65 kg
Terminals description ISO n°1	(3-4)NC (1-2)NC
Depth	98 mm
Height	126 mm
Width	57 mm

Environment

Product certifications	EAC
Standards	CE IEC 60947-4-1
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-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 IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.5 cm
Package 1 Width	12.0 cm
Package 1 Length	17.0 cm
Package 1 Weight	669.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	17
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	11.877 kg

Offer Sustainability

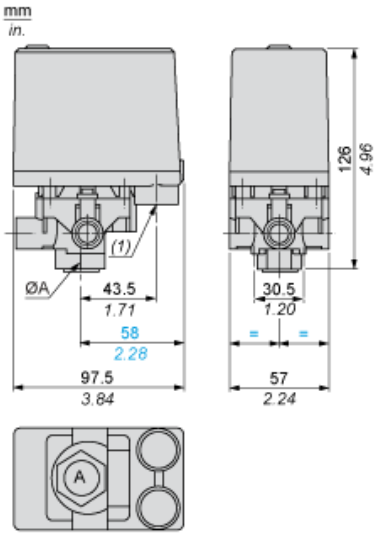
Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate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

Contractual warranty

Warranty	18 months

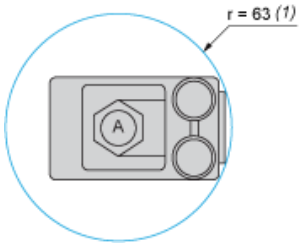
Dimensions

Without Decompression Valve



ØA = G 1/4
(1) 2 tapped entries for Pg 13.5

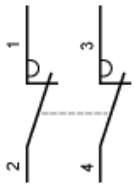
Minimum Mounting Clearance



ØA = G1/4
(1) Minimum clearance zone for screwing-on pressure switch at point A

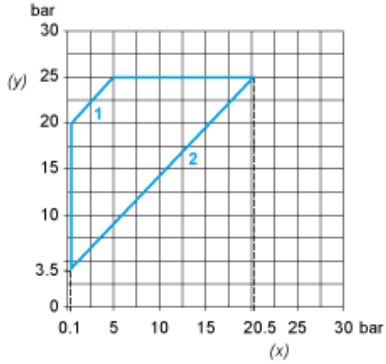
Wiring Diagram

Terminal Connections

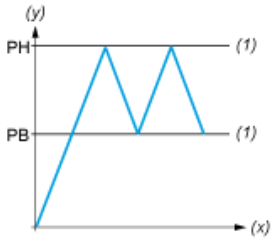


Curves

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