Product data sheet
Characteristics

XMXA25L2135

Pressure sensors XM, pressure switch XMX 25 bar, adjustable scale 2 thresholds, 1 C/O

Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMX
Pressure rating	25 bar
Contacts type and composition	1 C/O snap action
Controlled fluid	Air (0…70 °C) Fresh water (0…70 °C) Sea water (0…70 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Cable entry	2 entries tapped for Pg 13.5 cable gland conforming to NF C 68-300
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 1...2 x 2.5 mm²
Electrical circuit type	Control circuit
[In] rated current	3 A (Ue = 120 V), AC-15, B300 1.5 A (Ue = 240 V), AC-15, B300 0.1 A (Ue = 250 V), DC-13, R300
Setting	Internal
Colour of cover	Black opaque
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Fixed differential
Local display	Without
Enclosure material	PC impregnated with Lexan 500R
Adjustable range of switching point on rising pressure	3.5…25 bar
Adjustable range of switching point on falling pressure	0.1…20.5 bar
Pressure actuator	Diaphragm
Possible differential minimum at high setting	4.5 bar
Possible differential minimum at low setting	3.4 bar
Destruction pressure	100 bar
Materials in contact with fluid	Canvas covered nitrile Chromated zinc alloy
Maximum permissible accidental pressure	56.25 bar

Complementary

Height	126 mm
Width	57 mm
Depth	97.5 mm
Operating position	Any position
Maximum permissible pressure - per cycle	31.25 bar
Short-circuit protection	10 A cartridge fuse, type gG (gl)
Maximum operating rate	10 cyc/mn
[Ui] rated insulation voltage	500 V conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1

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Electrical durability	1000000 cycles, 50/60 Hz, AC-15, 240 V / 3 A, Ith = 10 A
Mechanical durability	1000000 cycles
Repeat accuracy	3.5 %
Net weight	0.65 kg

Environment

Standards	CE IEC 60947-5-1
Product certifications	UL[RETURN]CSA[RETURN]CCC
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Protective treatment	TC
Electrical shock protection class	Class I conforming to IEC 536
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	12.000 cm
Package 1 Width	6.500 cm
Package 1 Length	17.000 cm
Package 1 Weight	672.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	17
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	11.866 kg

Offer Sustainability

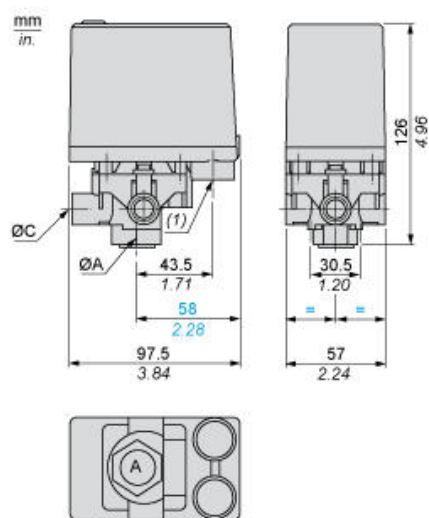|	
Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl 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

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Product data sheet
Dimensions Drawings

XMXA25L2135

Dimensions
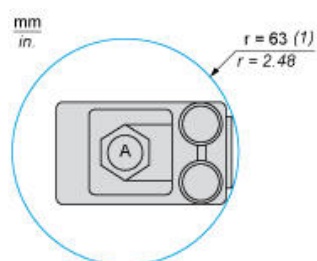

(A)   G 1/4 (female)
(1)   2 tapped entries PG 13.5

Minimum Mounting Clearance

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

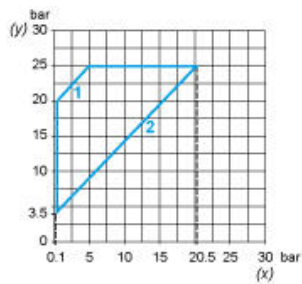Telemecanique
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Wiring Diagram

Connections

XMXA25L2135

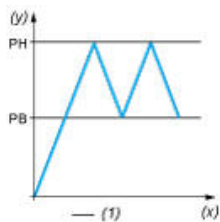
Curves

Operating Curves

(y)   Rising pressure
(x)   Falling pressure
1 :   Maximum differential
2 :   Minimum differential

(y)   Pressure
(x)   Time
(1)   Adjustable value

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