XMLB004B2S12

pressure switch XMLB 4 bar - adjustable scale 2 thresholds - 1 C/O



Main

Range of product Telemecanique Pressure sensors XM Product or component type Electromechanical pressure sensor Pressure sensor type Electromechanical pressure sensor XMLB Pressure rating A bar Controlled fluid Air (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Fresh water (0160 °C) Fresh wa		
Pressure sensor type	Range of product	Telemecanique Pressure sensors XM
Device short name XMLB Pressure rating 4 bar Controlled fluid Air (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Fluid connection type G 1/4 (female) conforming to ISO 228 Electrical connection Screw-clamps terminals, 1 x 0.52 x 2.5 mm² 1 connector ISO M20 AWG gauge AWG 20AWG 14 Cable entry Cable gland 713 mm Contacts type and composition Product specific application Pressure switch type of operation Electrical circuit type Control circuit Scale type Adjustable differential Local display With Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Possible differential maximum at high setting Maximum permissible accidental pressure Destruction pressure Destruction pressure Pressure actuator Diaphragm Materials in contact with fluid FPM, FKM Enclosure material Zinc alloy [In] rated current 3. A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC		Electromechanical pressure sensor
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maximum at high setting Maximum permissible accidental pressure Destruction pressure 18 bar Pressure actuator Diaphragm Materials in contact with fluid Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC	switching point on falling	0.053.75 bar
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Pressure actuator Diaphragm Materials in contact with fluid Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC		9 bar
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Complementary

Possible differential minimum at low setting	0.2 bar (+/- 0.01 bar)
Possible differential minimum at high setting	0.25 bar (- 0.03 bar, + 0.05 bar)
Maximum permissible pressure - per cycle	5 bar
Terminal block type	4 terminals
Maximum operating rate	120 cyc/mn
Repeat accuracy	2 %

[Ui] rated insulation voltage	300 V conforming to UL 508 500 V conforming to IEC 60947-1	
	300 V conforming to CSA C22.2 No 14	
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1	
Auxiliary contacts operation	Snap action	
Contacts material	Silver contacts	
Maximum resistance across terminals	25 MOhm conforming to IEC 255-7 category 3	
	25 mOhm conforming to NF C 93-050 method A	
Short-circuit protection	10 A cartridge fuse, type gG (gl)	
Mechanical durability	8000000 cycles	
Setting	External	
Height	158 mm	
Depth	77.5 mm	
Width	35 mm	
Net weight	1.015 kg	

Environment

Standards	CSA C22.2 No 14 CE IEC 60947-5-1 UL 508
Product certifications	BV[RETURN]LROS (Lloyds register of shipping) [RETURN]UL[RETURN]CSA[RETURN]CCC
Protective treatment	TC standard version
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4070 °C
Operating position	Any position
Vibration resistance	4 gn conforming to IEC 60068-2-6 (f = 30500 Hz)
Shock resistance	50 gn conforming to IEC 60068-2-27
Electrical shock protection class	Class I conforming to IEC 1140 Class I conforming to IEC 536 Class I conforming to NF C 20-030
IP degree of protection	IP66 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

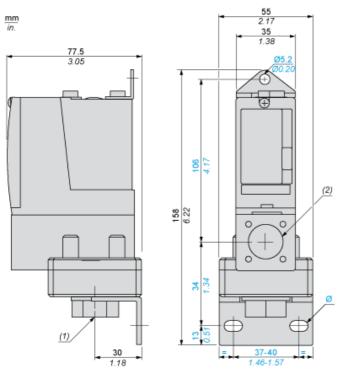
Green Premium product
WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For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

Contractual warranty

Warranty	18 months



Dimensions



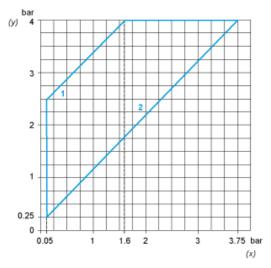
- (1) 1 fluid entry, tapped G1/4 (BSP female)
 (2) 1 electrical connections entry, tapped M20 x 1.5
 Ø: 2 elongated holes Ø 10.2 x 5.2

Wiring Diagram

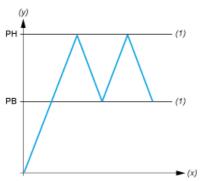
Terminal Model



Operating Curves



- (y)
- Rising pressure Falling pressure Maximum differential
- 2: Minimum differential



- Pressure (y)
- Time (x)
- (1) Adjustable value
- PH: High point
 PB: Below point