XMLB020B2S12

pressure switch XMLB 20 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
Device short name	XMLB
Pressure rating	20 bar
Controlled fluid	Air (0…160 °C) Fresh water (0…160 °C) Hydraulic oil (0…160 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm²
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 7…13 mm
Contacts type and composition	1 C/O
Product specific application	-
Pressure switch type of operation	Regulation between 2 thresholds
Electrical circuit type	Control circuit
Scale type	Adjustable differential
Local display	With
Adjustable range of switching point on rising pressure	1.3…20 bar
Adjustable range of switching point on falling pressure	0.3…18.4 bar
Possible differential maximum at high setting	11 bar
Maximum permissible accidental pressure	45 bar
Destruction pressure	90 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	FPM, FKM Brass
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 60947-5-1

Complementary

Possible differential minimum at low setting	1 bar (+/- 0.25 bar)
Possible differential minimum at high setting	1.6 bar (+/- 0.25 bar)
Maximum permissible pressure - per cycle	25 bar
Terminal block type	4 terminals
Maximum operating rate	120 cyc/mn
Repeat accuracy	2 %

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[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	5000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Net weight	0.705 kg

Environment

Standards	IEC 60947-5-1
	CSA C22.2 No 14
	UL 508
	CE
Product certifications	CCC[RETURN]LROS (Lloyds register of shipping)
	[RETURN]UL[RETURN]BV[RETURN]CSA
Protective treatment	TC standard version
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Operating position	Any position
Vibration resistance	4 gn conforming to IEC 60068-2-6 (f = 30…500 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

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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

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Dimensions
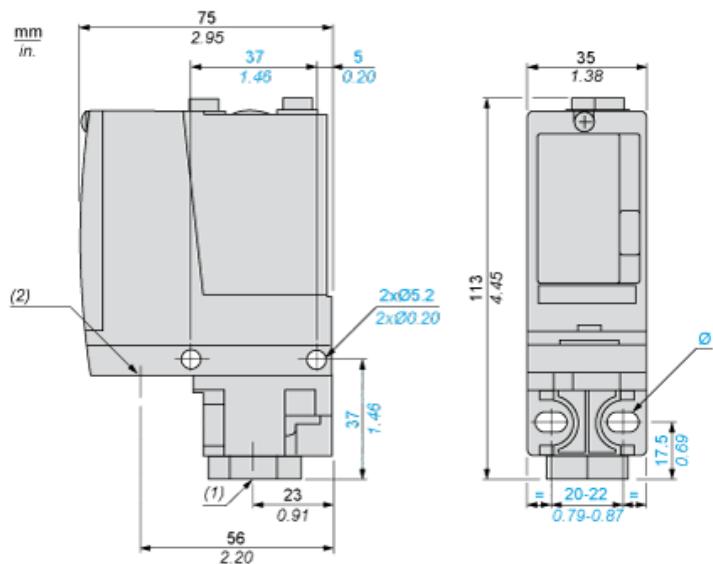
(1)   1 fluid entry, tapped G1/4 (BSP female)
(2)   1 electrical connections entry, tapped M20 x 1.5
Ø :   2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

Terminal Model
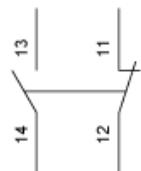
Operating Curves
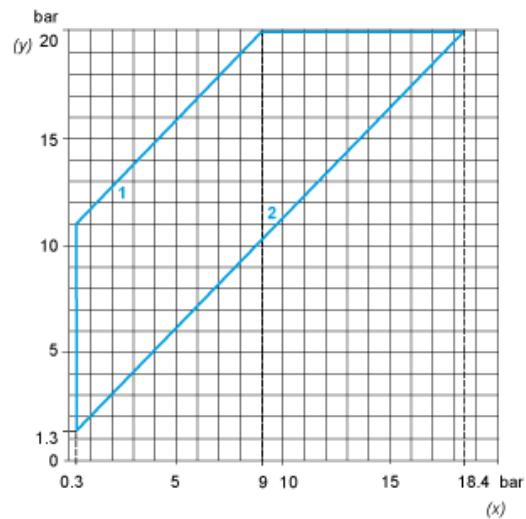
(y)   Rising pressure
(x)   Falling pressure
1 :   Maximum differential
2 :   Minimum differential
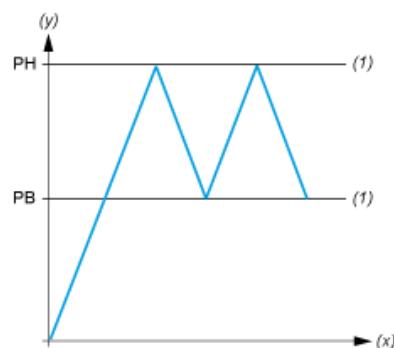
(y)   Pressure
(x)   Time
(1)   Adjustable value
PH : High point
PB : Below point