## XMLB020C2S12

# pressure switch XMLB 20 bar - adjustable scale 2 thresholds - 1 C/O



#### Main

IVIAIII	
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	Corrosive fluid (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 mm <sup>2</sup>
AWG gauge	AWG 20AWG 14
Cable entry	Cable gland 713 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	1.320 bar
Adjustable range of switching point on falling pressure	0.318.4 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	PTFE 316L stainless steel
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 %
[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	CE UL 508 CSA C22.2 No 14 IEC 60947-5-1
Product certifications	LROS (Lloyds register of shipping) [RETURN]CCC[RETURN]CSA[RETURN]BV[RETURN]UL
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**

3		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	12.5 cm	
Package 1 Width	4.2 cm	
Package 1 Length	8.2 cm	
Package 1 Weight	88.0 g	

## Offer Sustainability

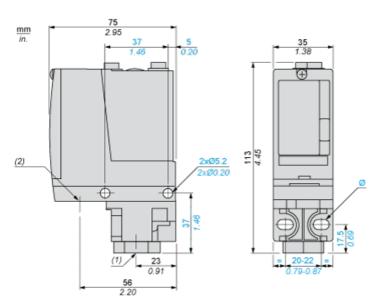
	Sustainable offer status	
No need of specific recycling operations		
WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause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

Warranty	18 months



#### **Dimensions**



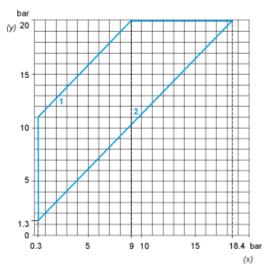
- (1) 1 fluid entry, tapped G1/4 (BSP female)
   (2) 1 electrical connections entry, tapped M20 x 1.5
   Ø: 2 elongated holes Ø 5.2 x 6.7

## Wiring Diagram

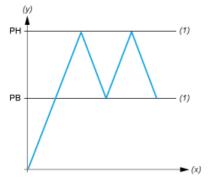
### **Terminal Model**



### **Operating Curves**



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



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

PB: Below point