XMLD010C1S11
pressure switch XMLD 10 bar - 2 stages fixed scale - 2 C/O

Green Premium

Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLD
Pressure sensor size	10 bar
Controlled fluid	Corrosive fluid (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 number	1 tapped entry (Pg 13.5) forcable gland , cable outer diameter: 9...13 mm
Contacts type and composition	2 C/O snap action, silver contacts 2 C/O staggered, silver contacts
Product specific application	Dual stage
Pressure switch type of operation	Detection of 2 single thresholds
Electrical circuit type	Control circuit
Scale type	Fixed differential
Local display	Without
Maximum permissible accidental pressure	22.5 bar
Destruction pressure	45 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 EN/IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1

Complementary

Spread between 2 stages	0.68...5.8 bar
Natural differential at low setting	0.45 bar
Natural differential at high setting	0.6 bar
Maximum permissible pressure - per cycle	12.5 bar
Terminal block type	8 terminals
Operating rate	0...120 cyc/mn at > 0...70 °C
Repeat accuracy	< 2 %
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
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	85 mm
Width	46 mm
Product weight	0.705 kg

Environment

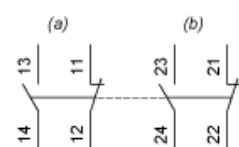|	
Standards	CE EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	CSA UL EAC
Protective treatment	TC (standard version)
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Operating position	Any position
Vibration resistance	4 gn (f = 30...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn conforming to IEC 60068-2-27
Class of protection against electric shock	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 EN/IEC 60529

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0928 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

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Dimensions

(1)   1 fluid entry, tapped G1/4 (BSP female)
(2)   1 electrical connections entry, tapped Pg 13.5
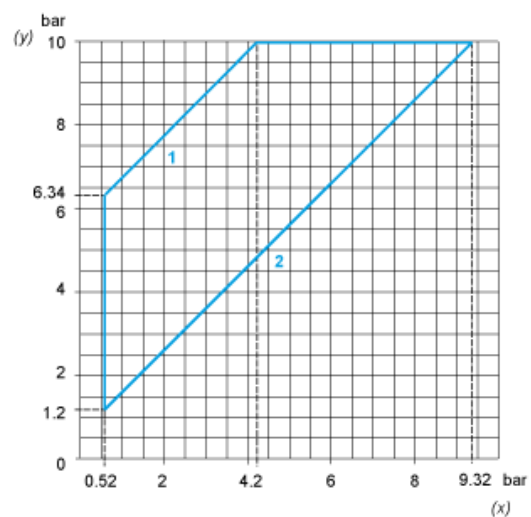Ø :   2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

Terminal Model

(a)   Contact 1
(b)   Contact 2

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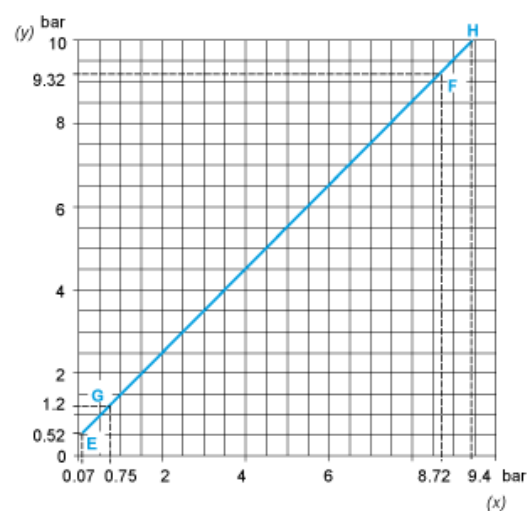**Sensors**

Operating Curves

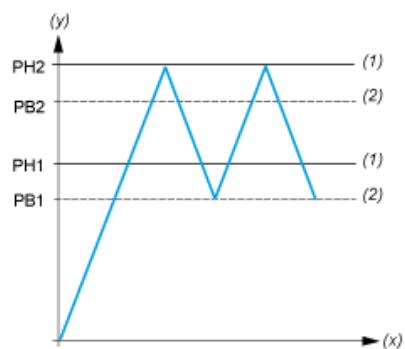### High Setting Tripping Points of Contacts 1 and 2

(y)   PH2 setting (rising pressure)
(x)   PH1 setting (rising pressure)
1 :   Maximum differential
2 :   Minimum differential

Natural Differential of Contacts 1 and 2

(y)   Rising pressure
(x)   Falling pressure
EF : Contact 1
GH : Contact 2

(y)   Pressure
(x)   Time
(1)   Adjustable value
(2)   Non adjustable value
PH : High point
PB : Below point

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