

Product data sheet Characteristics

XMLA002C2S12

pressure switch XMLA 2.5 bar - fixed scale 1 threshold - 1 C/O





Main

Range of product Product or component type Pressure sensor type Electromechanical pressure sensor Device short name Electromechanical pressure sensor XMLA Pressure rating 2.5 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 mm² 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 Fixed differential Local display With Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Destruction pressure Destruction pressure Destruction pressure Destruction pressure 18 bar Pressure actuator Diaphragm Materials in contact with fluid Enclosure material Zinc alloy In Pressure sensor XM Electromacial pressure sensor Electromacial pressure Diaphragm Materials in contact with fluid In Tated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1		
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Cable entry Contacts type and composition Product specific application Pressure switch type of operation Electrical circuit type Control circuit Scale type Fixed differential Local display With Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Maximum permissible accidental pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid FTE Enclosure material [In] rated current Cable gland 713 mm 1 C/O Control circuit Control circuit Scale type Fixed differential 0.152.5 bar 0.152.5 bar 0.022.37 bar Destruction pressure 9 bar 3 bar Pressure actuator Diaphragm Materials in contact with fluid PTFE 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	Electrical connection	Screw-clamps terminals, 1 x 0.52 x 2.5 mm²
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Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Adjustable range of switching point on falling pressure Maximum permissible accidental pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid PTFE 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	Scale type	Fixed differential
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Pressure actuator Materials in contact with fluid PTFE 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
Materials in contact with fluid 316L stainless steel PTFE 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	Destruction pressure	18 bar
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Complementary

0.13 bar (+/- 0.03 bar)
0.13 bar (+/- 0.03 bar)
5 bar
4 terminals
120 cyc/mn
2 %

[Ui] rated insulation voltage	300 V conforming to UL 508	
[OI] rated insulation voitage	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	0.995 kg	

Environment

Standards	UL 508 CE IEC 60947-5-1 CSA C22.2 No 14
Product certifications	LROS (Lloyds register of shipping) [RETURN]CSA[RETURN]BV[RETURN]CCC[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

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

Offer Sustainability

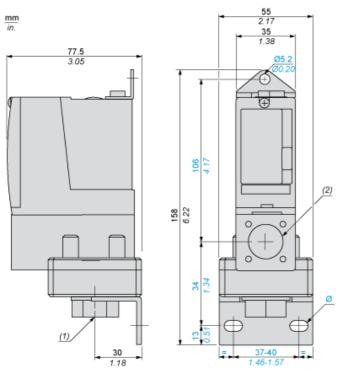
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes

Contractual warranty

Warranty	18 months

XMLA002C2S12

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

Product data sheet Connections and Schema

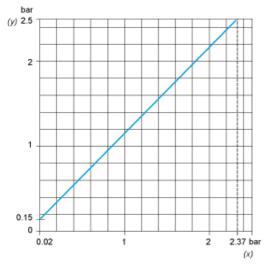
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Wiring Diagram

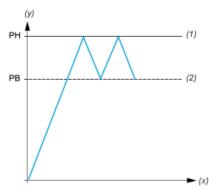
Terminal Model



Operating Curves



- (y) Rising pressure(x) Falling pressure



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