

Product data sheet

Characteristics

XMLA070N2S11

pressure switch XMLA 70 bar - fixed scale 1
threshold - 1 C/O



Important message: We have updated the process for ordering Telemecanique Sensors products. For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.com You can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en
Local distributor code: 398457417
EAN Code: 3389110712100



Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLA
Pressure rating	70 bar
Controlled fluid	Air (0...160 °C) 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 mm ² 1 connector Pg 13
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 9...13 mm
Contacts type and composition	1 C/O
Product specific application	-
Pressure switch type of operation	Detection of 1 single threshold
Electrical circuit type	Control circuit
Scale type	Fixed differential
Local display	With
Adjustable range of switching point on rising pressure	5...70 bar
Adjustable range of switching point on falling pressure	2...62.5 bar
Maximum permissible accidental pressure	160 bar
Destruction pressure	320 bar
Pressure actuator	Piston
Materials in contact with fluid	PTFE FPM, FKM 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

Natural differential at low setting	3 bar (+/- 1 bar)
Natural differential at high setting	7.5 bar (+/- 1 bar)
Maximum permissible pressure - per cycle	90 bar
Terminal block type	4 terminals
Maximum operating rate	60 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	6000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Net weight	0.695 kg

Environment

Standards	CSA C22.2 No 14 CE UL 508 IEC 60947-5-1
Product certifications	BV[RETURN]LROS (Lloyds register of ship- ping)[RETURN]CCC[RETURN]UL[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
Package 1 Height	4.2 cm
Package 1 Width	8.5 cm
Package 1 Length	12.5 cm
Package 1 Weight	733.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.928 kg

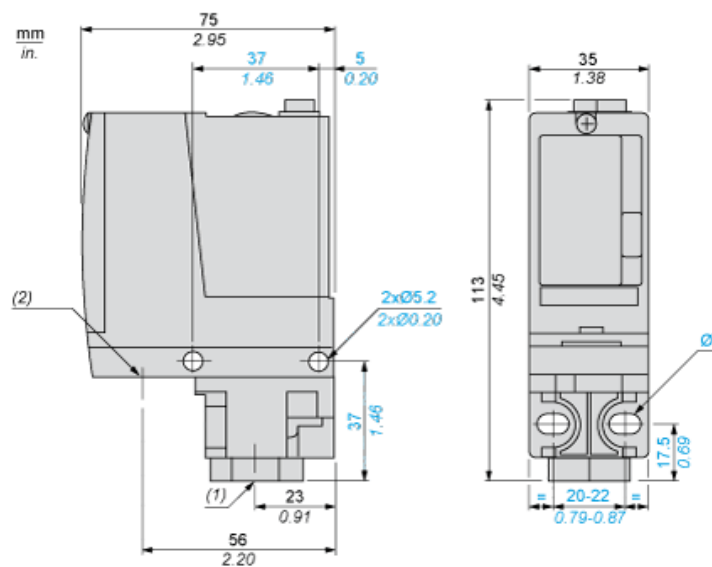
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes
Circularity Profile	No need of specific recycling operations

Contractual warranty

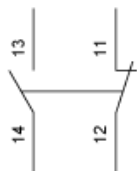
Warranty	18 months
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Dimensions

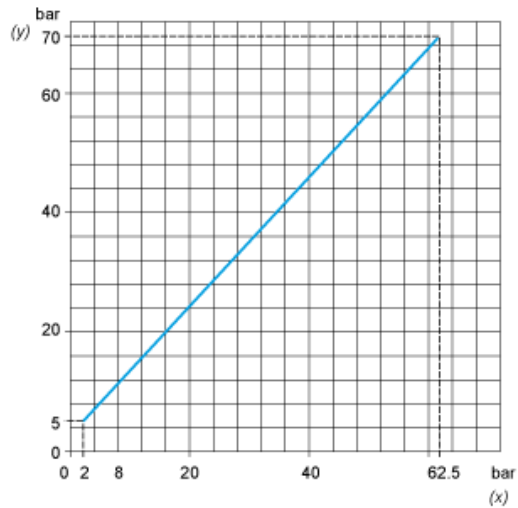


Wiring Diagram

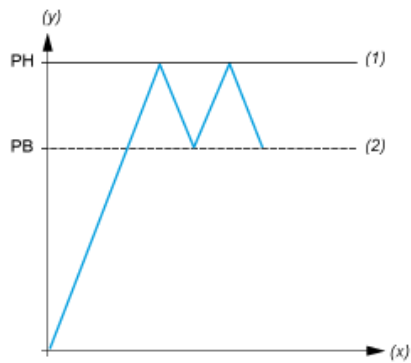
Terminal Model



Operating Curves



(y) Rising pressure
(x) Falling pressure



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