

## XMLA500N2S11

pressure switch XMLA 500 bar - fixed scale 1  
threshold - 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	XMLA
Pressure rating	500 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 <sup>2</sup> 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	30...500 bar
Adjustable range of switching point on falling pressure	10...455 bar
Maximum permissible accidental pressure	1125 bar
Destruction pressure	2250 bar
Pressure actuator	Piston
Materials in contact with fluid	FPM, FKM 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

Natural differential at low setting	20 bar (+/- 6 bar)
Natural differential at high setting	45 bar (+/- 10 bar)
Maximum permissible pressure - per cycle	625 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	3000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Net weight	0.75 kg

## Environment

Standards	IEC 60947-5-1 UL 508 CSA C22.2 No 14 CE
Product certifications	UL[RETURN]CSA[RETURN]LROS (Lloyds register of shipping) [RETURN]CCC[RETURN]BV
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	12.5 cm
Package 1 Width	4.2 cm
Package 1 Length	8.2 cm
Package 1 Weight	85.0 g

## Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

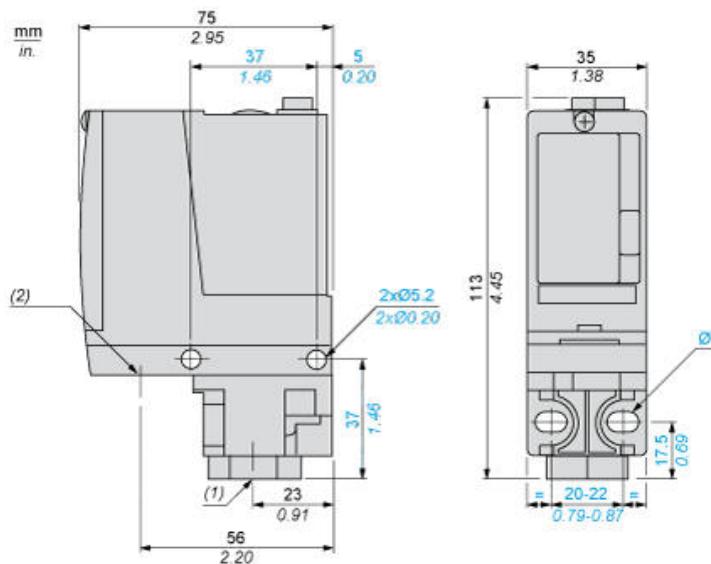
## Contractual warranty

Warranty	18 months
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Dimensions

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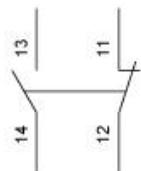
(1) 1 fluid entry, tapped G1/4 (BSP female)  
(2) 1 electrical connections entry, tapped Pg 13.5  
 $\varnothing$  : 2 elongated holes  $\varnothing 5.2 \times 6.7$

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[Wiring Diagram](#)

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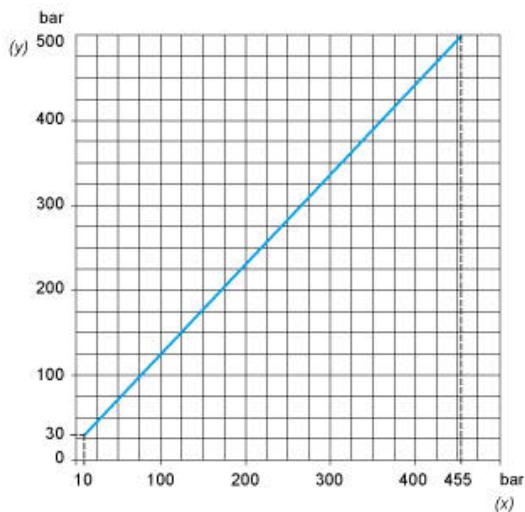
Terminal Model



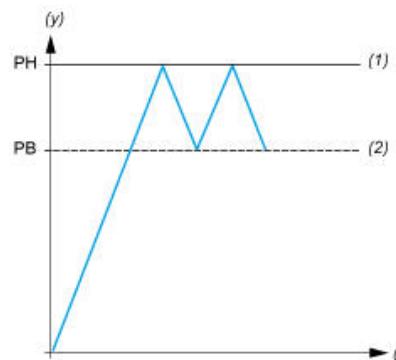
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Operating Curves

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(y) Rising pressure  
(x) Falling pressure



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