## XMLA035B2S11

# pressure switch XMLA 35 bar - fixed scale 1 threshold - 1 C/O



#### Main

Range of product Telemecanique Pressure sensors XM  Product or component type  Pressure sensor type  Electromechanical pressure sensor  Device short name  XMLA  Pressure rating  35 bar  Controlled fluid  Air (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Fresh water (0160 °C		
type Pressure sensor type Electromechanical pressure sensor  Device short name XMLA Pressure rating 35 bar Controlled fluid Air (0160 °C) Fresh water (0160 °C) Fresh water (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 1 connector Pg 13  AWG gauge AWG 20AWG 14  Cable entry Cable gland 913 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  Maximum permissible accidental pressure Destruction pressure Destruction pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid Brass Enclosure material Zinc alloy [In] rated current  3 A, B300, AC-15 (Ue = 240 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	Range of product	Telemecanique Pressure sensors XM
Device short name XMLA  Pressure rating 35 bar  Controlled fluid Air (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Fluid connection type G1/4 (female) conforming to ISO 228  Electrical connection Screw-clamps terminals, 1 x 0.52 x 2.5 mm² 1 connector Pg 13  AWG gauge AWG 20AWG 14  Cable entry Cable gland 913 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  Maximum permissible accidental pressure  Destruction pressure  Destruction pressure  Destruction pressure  160 bar  Pressure actuator  Diaphragm  Materials in contact with fluid Brass  Enclosure material Zinc alloy  [In] rated current  3 A, B300, AC-15 (Ue = 240 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		Electromechanical pressure sensor
Pressure rating  35 bar  Controlled fluid  Air (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Fresh water (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 1 connector Pg 13  AWG gauge  AWG 20AWG 14  Cable entry  Cable gland 913 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  Maximum permissible accidental pressure  Destruction pressure  Destruction pressure  Destruction pressure  Destruction pressure  Destruction pressure  Diaphragm  Materials in contact with fluid  Brass  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, DC-13 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC	Pressure sensor type	Electromechanical pressure sensor
Controlled fluid  Air (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Hydraulic oil (0160 °C) Fresh water (0160 °C) Hydraulic oil (0160 °C) Fresh water (0160 °C) Hydraulic oil (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 1 connector Pg 13  AWG gauge  AWG 20AWG 14  Cable entry  Cable gland 913 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  Maximum permissible accidental pressure  Destruction pressure  Destruction pressure  Destruction pressure  Destruction pressure  Diaphragm  Materials in contact with fluid  Brass  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, DC-13 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC	Device short name	XMLA
Fresh water (0160 °C) Hydraulic oil (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 1 connector Pg 13  AWG gauge AWG 20AWG 14  Cable entry Cable gland 913 mm  Contacts type and composition Preduct 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 Maximum permissible accidental pressure  Maximum permissible accidental pressure  Destruction pressure  Destruction pressure  Destruction pressure  Destruction pressure  Diaphragm  Materials in contact with fluid Brass  Enclosure material  Zinc alloy  [In] rated current  A (12 x 0.52 x 2.5 mm²  1 x 0.52 x 2.5 mm²  1 x 0.52 x 2.5 mm²  1 connector Pg 13  AWG 20AWG 14  Cable gland 913 mm  Contact ye 10.0  Cable gland 913 mm  Contact ye 23 mm²  1 connector Pg 13  AWG 20AWG 14  Cable alicy 1 x 0.52 x 2.5 mm²  1 connector Pg 13  AWG 20AWG 14  Cable alicy 2 x 2.5 mm²  1 connector Pg 13  AWG 20AWG 14  Cable alicy 2 x 2.5 mm²  1 connector Pg 13  AWG 20AWG 14  Cable alicy 2 x 2.5 mm²  2 in contact with fluid Brass  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	Pressure rating	35 bar
Electrical connection  Screw-clamps terminals, 1 x 0.52 x 2.5 mm² 1 connector Pg 13  AWG gauge  AWG 20AWG 14  Cable entry  Cable gland 913 mm  1 C/O  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  Destruction pressure  Diaphragm  Materials in contact with fluid  Enclosure material  Zinc alloy  In Jace Ac-15 (Ue = 120 V) conforming to IEC 60947-5-1	Controlled fluid	Fresh water (0160 °C)
AWG gauge AWG 20AWG 14  Cable entry Cable gland 913 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  Maximum permissible accidental pressure  Destruction pressure  Destruction pressure  Materials in contact with fluid  Enclosure material  Zinc alloy  I connector Pg 13  AWG 20AWG 14  Cable gland 913 mm  Detection of 1 single threshold  Control circuit  Scale type Fixed differential  Local display  With  1.535 bar  0.2533.75 bar  80 bar  160 bar  Fressure actuator  Diaphragm  Materials in contact with fluid  Brass  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, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1  0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC	Fluid connection type	G 1/4 (female) conforming to ISO 228
Cable entry Cable gland 913 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  Maximum permissible accidental pressure  Destruction pressure  Destruction pressure  Diaphragm  Materials in contact with fluid  Enclosure material  Zinc alloy  [In] rated current  A Cable gland 913 mm  1 C/O  Cable gland 913 mm  1 C/O  - Control circuit  Fixed differential  - Control circuit	Electrical connection	
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  Enclosure material  Zinc alloy  In Janea current  3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1	AWG gauge	AWG 20AWG 14
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  Materials in contact with fluid  FPM, FKM fluid  Brass  Enclosure material  Zinc alloy  In] rated current  3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC	Cable entry	Cable gland 913 mm
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  Materials in contact with fluid  Enclosure material  Enclosure material  Zinc alloy  [In] rated current  Detection of 1 single threshold  1 single the single table single sing	· .	1 C/O
peration  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  Adjustable range of switching point on falling pressure  Maximum permissible accidental pressure  Destruction pressure  Diaphragm  Materials in contact with fluid  Enclosure material  Tinc alloy  [In] rated 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	•	-
Scale type  Local display  With  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  Diaphragm  Materials in contact with fluid  FPM, FKM Brass  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, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC		Detection of 1 single threshold
Local display  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  Pressure actuator  Diaphragm  Materials in contact with fluid  FPM, FKM Brass  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 circuit type	Control circuit
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  160 bar  Pressure actuator  Diaphragm  Materials in contact with fluid  Brass  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
switching point on rising pressure  Adjustable range of switching point on falling pressure  Maximum permissible accidental pressure  Destruction pressure  Diaphragm  Materials in contact with fluid  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, DC-13 (Ue = 250 V) conforming to IEC	Local display	With
switching point on falling pressure  Maximum permissible accidental pressure  Destruction pressure  160 bar  Pressure actuator  Diaphragm  Materials in contact with fluid  Brass  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	switching point on rising	1.535 bar
accidental pressure  Destruction pressure 160 bar  Pressure actuator Diaphragm  Materials in contact with fluid Brass  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	switching point on falling	0.2533.75 bar
Pressure actuator  Diaphragm  Materials in contact with fluid  Brass  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	-	80 bar
Materials in contact with fluid FPM, FKM Brass  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	160 bar
fluid Brass  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	Pressure actuator	Diaphragm
[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 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	Enclosure material	Zinc alloy
	[In] rated current	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

#### Complementary

o impromortary	
Natural differential at low setting	1.25 bar (+/- 0.25 bar)
Natural differential at high setting	1.25 bar (+/- 0.25 bar)
Maximum permissible pressure - per cycle	45 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	0.695 kg	

## Environment

Standards	CSA C22.2 No 14 IEC 60947-5-1 UL 508 CE	
Product certifications	CCC[RETURN]LROS (Lloyds register of shipping) [RETURN]BV[RETURN]UL[RETURN]CSA	
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
Package 1 Height	4.200 cm
Package 1 Width	12.500 cm
Package 1 Length	8.500 cm
Package 1 Weight	730.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.901 kg

## Offer Sustainability

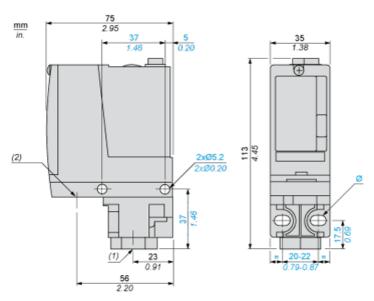
Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

## Contractual warranty

Warranty	18 months



#### **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

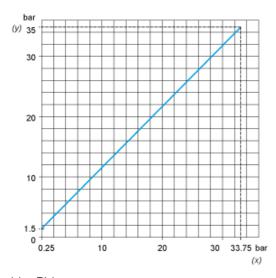
## Wiring Diagram

## **Terminal Model**

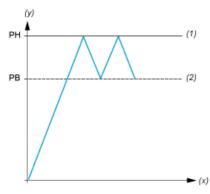


# XMLA035B2S11

## **Operating Curves**



- Rising pressure
- Falling pressure



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