XMLA002A2C11

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





Main

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 In rated current A pins 1 C/O Detection of 1 single threshold 1 Single threshold 0 1 Single threshold 0 1 Single threshold 1 Single thres			
type Pressure sensor type Pressure sensor type Electromechanical pressure sensor XMLA Pressure rating 2.5 bar Controlled fluid Air (070 °C) Fresh water (070 °C) Hydraulic oil (070 °C) Fluid connection type Electrical connection 1 male connector EN 175301-803-A (ex DIN43650), 4 pins 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 Pressure actuator Materials in contact with fluid 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 2.5 bar Controlled fluid Air (070 °C) Fresh water (070 °C) Hydraulic oil (070 °C) Hydraulic oil (070 °C) Fresh water (070 °C) Hydraulic oil (070 °C) Fluid connection type G 1/4 (female) conforming to ISO 228 Electrical connection 1 nale connector EN 175301-803-A (ex DIN43650), 4 pins 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 18 bar Pressure actuator Diaphragm Materials in contact with fluid Zinc alloy Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1	· .	Electromechanical pressure sensor	
Pressure rating Controlled fluid Air (070 °C) Fresh water (070 °C) Hydraulic oil (070 °C) Fresh water (070 °C) Fluid connection type Electrical connection I male connector EN 175301-803-A (ex DIN43650), 4 pins 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 Diaphragm Materials in contact with fluid 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	Pressure sensor type	Electromechanical pressure sensor	
Controlled fluid Air (070 °C) Fresh water (070 °C) Hydraulic oil (070 °C) Fresh water (070 °C) Hydraulic oil (070 °C) Fluid connection type G 1/4 (female) conforming to ISO 228 Electrical connection 1 male connector EN 175301-803-A (ex DIN43650), 4 pins 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 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 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC	Device short name	XMLA	
Fresh water (070 °C) Hydraulic oil (070 °C) Fluid connection type G 1/4 (female) conforming to ISO 228 Electrical connection 1 male connector EN 175301-803-A (ex DIN43650), 4 pins 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 Materials in contact with fluid Enclosure material [In] rated current Fixed differential 0.022.37 bar 0.022.37 bar 0.022.37 bar Vitrile Zinc alloy Sirrile 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	Pressure rating	2.5 bar	
Electrical connection I male connector EN 175301-803-A (ex DIN43650), 4 pins 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 1 male connector EN 175301-803-A (ex DIN43650), 4 pins 1 c/O Control circuit Fixed differential 0.152.5 bar 0.152.5 bar 0.152.37 bar	Controlled fluid	Fresh water (070 °C)	
4 pins 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 Nitrile Zinc alloy Enclosure material [In] rated current A pins 1 C/O Detection of 1 single threshold - august threshold 0 1 single threshold - august threshold 0 1 single threshold - august threshold - august threshold 0 1 single threshold - august threshold 0 1 single threshold 0 2 single threshold 0 2 single threshold 0 3 single threshold 0 3 single threshold 0 4 single threshold 0 4 single threshold 0 1 single threshold 0 1 single threshold 0 2 single threshold 0 3 single threshold 0 4 single threshold 0 4 single threshold 0 5 single	Fluid connection type	G 1/4 (female) conforming to ISO 228	
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 Diaphragm Materials in contact with fluid Enclosure material [In] rated current A guarantee in a contact with of the contact of the co	Electrical connection	1 male connector EN 175301-803-A (ex DIN43650), 4 pins	
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 Description of 1 single threshold Onto 1 single threshold Onto 2 in cluster Don's in contact Diaphragm Nitrile 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		1 C/O	
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 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 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 Destruction pressure Diaphragm Materials in contact with fluid Zinc alloy 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		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 Destruction pressure Pressure actuator Diaphragm Materials in contact with fluid Zinc alloy 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 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, 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 Destruction pressure Diaphragm Materials in contact with fluid Zinc alloy 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	Local display	With	
switching point on falling pressure Maximum permissible accidental pressure Destruction pressure 18 bar Pressure actuator Diaphragm Materials in contact with fluid Zinc alloy 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	0.152.5 bar	
accidental pressure Destruction pressure 18 bar Pressure actuator 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, 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	0.022.37 bar	
Pressure actuator Materials in contact with fluid Enclosure material Zinc alloy Zinc alloy 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 Nitrile Zinc alloy 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	
Enclosure material Zinc alloy	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

Natural differential at low setting	0.13 bar (+/- 0.03 bar)	
Natural differential at high setting	0.13 bar (+/- 0.03 bar)	
Maximum permissible pressure - per cycle	5 bar	
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	

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.

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	1.01 kg		

Environment

Standards	UL 508 CSA C22.2 No 14
	IEC 60947-5-1 CE
Product certifications	CCC[RETURN]CSA[RETURN]LROS (Lloyds register of shipping) [RETURN]UL[RETURN]BV
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	IP65 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.000 cm
Package 1 Width	13.800 cm
Package 1 Length	7.500 cm
Package 1 Weight	1.053 kg
Unit Type of Package 2	S02
Number of Units in Package 2	5
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.572 kg

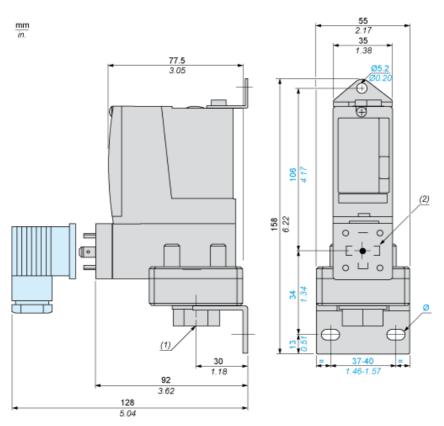
Offer Sustainability

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
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

Contractual warranty

	•	
Warranty	18 r	nonths

Dimensions



- 1 fluid entry, tapped G1/4 (BSP female)
- (2) EN 175301-803-A connector Ø: 2 elongated holes Ø 10.2 x 5.2

Product data sheet Connections and Schema

XMLA002A2C11

Wiring Diagram

Terminal Model



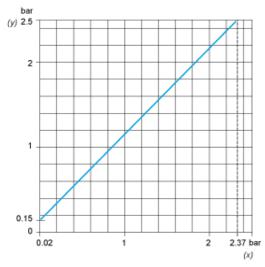
Wiring Diagram

Vacuum Switch Connector Pin View

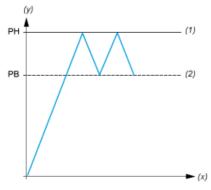


- (1) 11 and 13 (2) 12 (3) 14

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