

Product data sheet

Specifications



pressure switch XMLA 500 bar - fixed scale 1 threshold - 1 C/O

XMLA500D2C11

⚠ Discontinued on: May 31, 2023

⚠ Discontinued

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	Hydraulic oil (0...160 °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	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	PTFE Steel Stainless steel 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 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 %
[U_i] 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
[U_{imp}] 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	0.78 kg

Environment

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.8 cm
Package 1 Width	11.5 cm

Package 1 Length	12.0 cm
Package 1 Weight	780.0 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	10.513 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

Circularity Profile

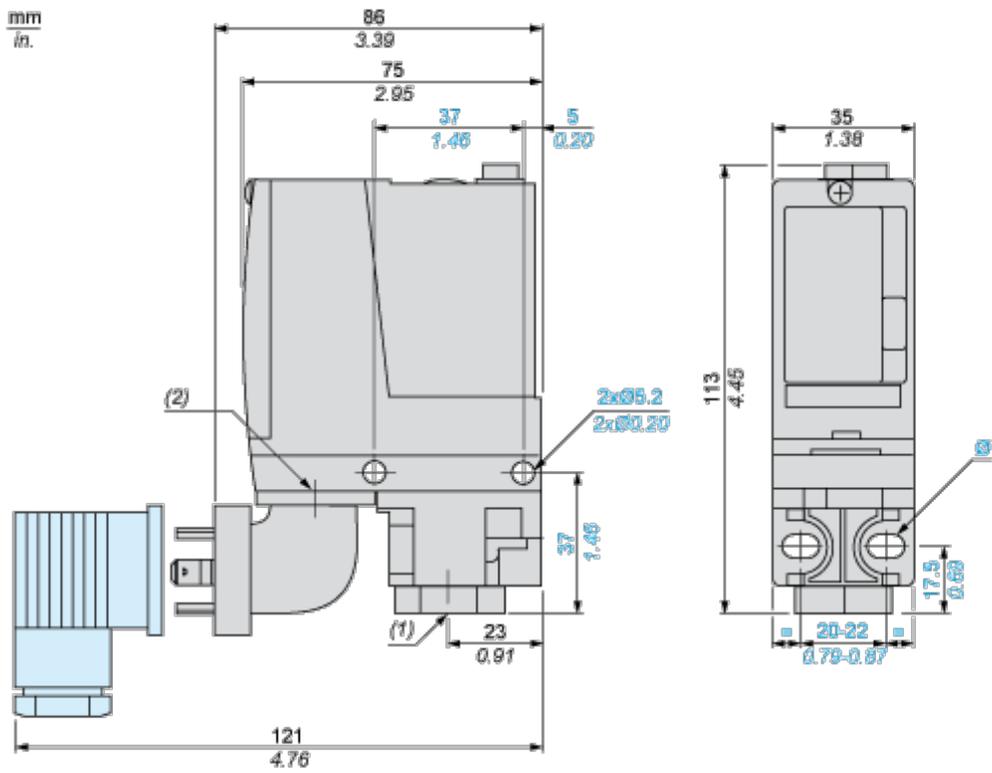
No need of specific recycling operations

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 Diisodecyl 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

Dimensions Drawings

Dimensions



(1) 1 fluid entry, tapped G1/4 (BSP female)

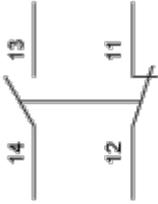
(2) EN 175301-803-A connector

Ø: 2 elongated holes Ø 5.2 x 6.7

Connections and Schema

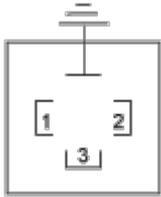
Wiring Diagram

Terminal Model



Wiring Diagram

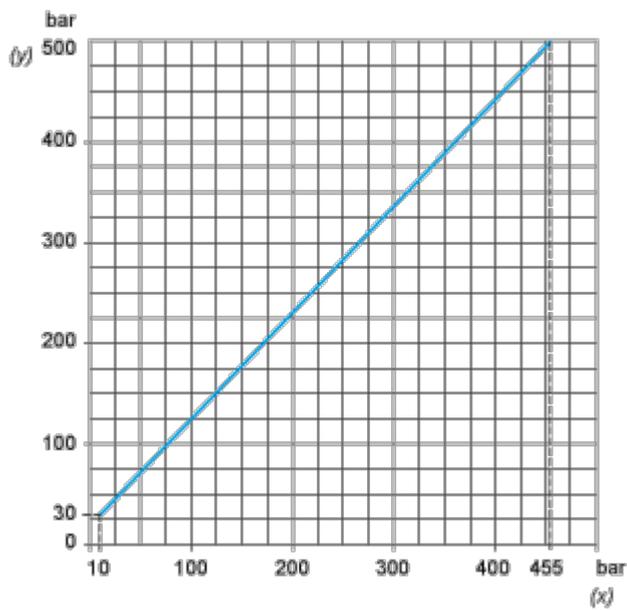
Vacuum Switch Connector Pin View



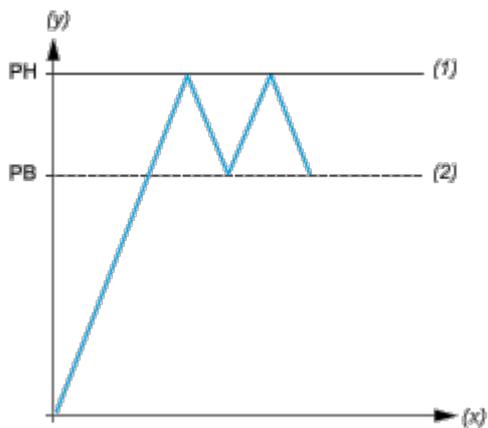
- (1) 11 and 13
- (2) 12
- (3) 14

Performance Curves

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