

Product data sheet

Specifications



pressure switch XMLB - 300 bar -
adjustable scale 2 thresholds - 1 C/
O

XMLB300D2S12EX

Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Product specific application	ATEX D
Pressure sensor name	XMLB
Electrical circuit type	Control circuit
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Pressure rating	300 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adjustable range of switching point on falling pressure	2.6...263 bar
Adjustable range of switching point on rising pressure	22...300 bar
Possible differential maximum at high setting	200 bar
Maximum permissible accidental pressure	675 bar
Destruction pressure	1350 bar
Pressure actuator	Piston
Controlled fluid	Hydraulic oil (0...70 °C) Air (0...70 °C) Water (0...70 °C)
Materials in contact with fluid	FPM, FKM PTFE Brass Steel
Enclosure material	Zinc alloy

Complementary

Maximum permissible pressure - per cycle	375 bar
Cable entry number	1 tapped entry for M20 x 1.5 cable gland (included)
Terminal block type	4 terminals
Repeat accuracy	2 %
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Mechanical durability	3000000 cycles

Disclaimer: 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

Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	113 mm
Depth	75 mm
Width	35 mm

Environment

Standards	EN/IEC 60079-0 EN/IEC 60079-31
Directives	2014/34/EU - ATEX directive
Product certifications	INERIS 04ATEX0058 IEC-Ex INE 17.0019
marking	II2 D-Ex tb IIIC T85°C Db IP66
protective treatment	TC
Ambient air temperature for operation	-20...60 °C
Operating position	Any position

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.1 cm
Package 1 Width	10.2 cm
Package 1 Length	15.1 cm
Package 1 Weight	766.0 g

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

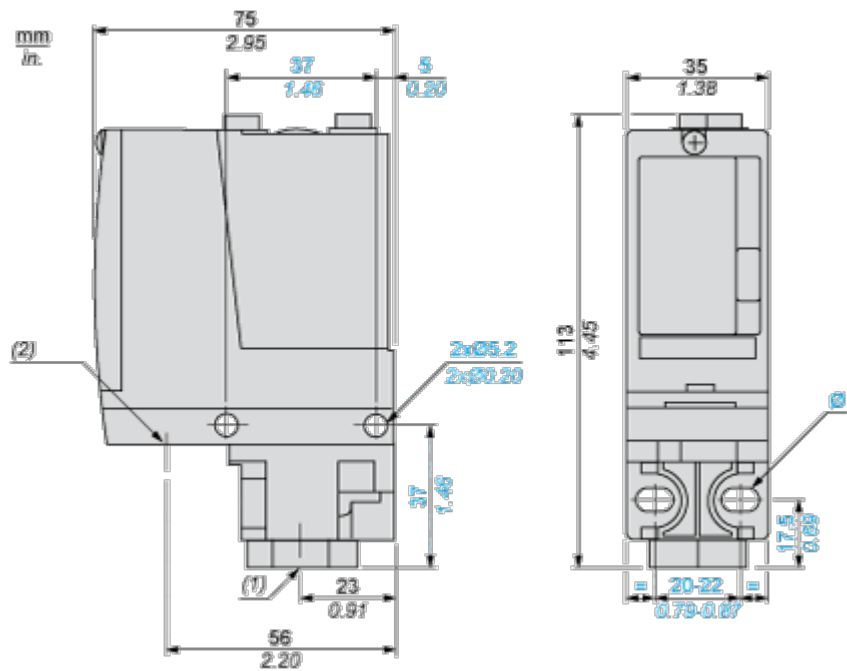
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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Circularity Profile	No need of specific recycling operations
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California Proposition 65	WARNING: This product can expose 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
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Dimensions Drawings

Dimensions

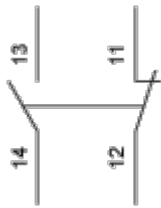


- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) 1 electrical connections entry, tapped M20 x 1.5
- Ø: 2 elongated holes Ø 5.2 x 6.7

Connections and Schema

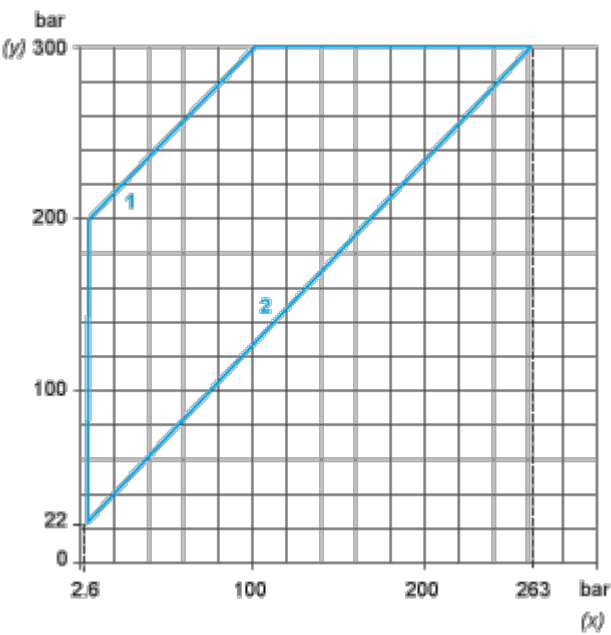
Wiring Diagram

Terminal Model

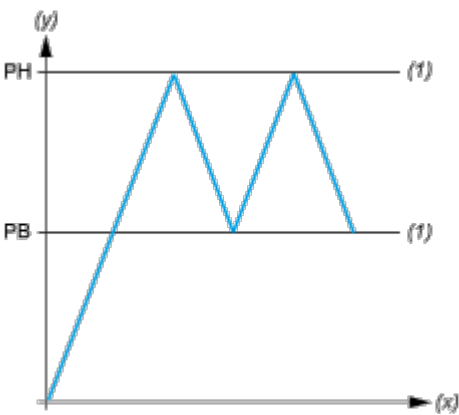


Performance Curves

Operating Curves



- (y) Rising pressure
- (x) Falling pressure
- 1 : Maximum differential
- 2 : Minimum differential



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