

Product data sheet

Specifications



vacuum switch XMLB - 200 mbar - adjustable scale 2 thresholds - 1 C/O

XMLBM03R2S12EX

⚠ Discontinued on: Dec 8, 2022

⚠ Discontinued

Main

| | |
|---|--|
| Range of product | Telemecanique Pressure sensors XM |
| Pressure sensor type | Electromechanical vacuum 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 | 0.2 bar |
| Local display | With |
| Fluid connection type | G 1/4 (female) conforming to ISO 228 |
| Adjustable range of switching point on falling pressure | -0.2...-0.02 bar |
| Adjustable range of switching point on rising pressure | -0.182...-0.002 bar |
| Possible differential maximum at high setting | 0.18 bar |
| Maximum permissible accidental pressure | 2 bar |
| Destruction pressure | 3.5 bar |
| Pressure actuator | Diaphragm |
| Controlled fluid | Air (0...70 °C) Hydraulic oil (0...70 °C) |
| Materials in contact with fluid | Steel FPM, FKM Stainless steel |
| Enclosure material | Zinc alloy |

Complementary

| | |
|--|---|
| Maximum permissible pressure - per cycle | 1 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 | 145 mm |
| Depth | 155.5 mm |
| Width | 150 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 | 15.4 cm |
| Package 1 Width | 15.5 cm |
| Package 1 Length | 15.5 cm |
| Package 1 Weight | 3.9 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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

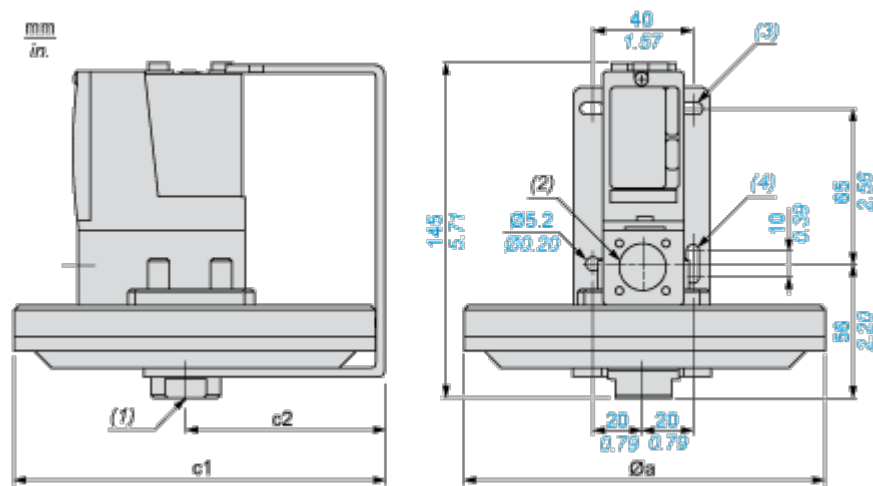
✓ Rohs Exemption Information Yes

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

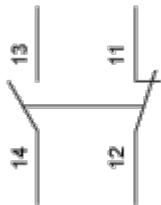


- Ø a = 150
- c1 = 155.5
- c2 = 80.5
- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) 1 electrical connections entry, tapped M20 x 1.5
- (3) 2 elongated holes Ø 10.2 x 5.2
- (4) 1 elongated hole Ø 15.2 x 5.2

Connections and Schema

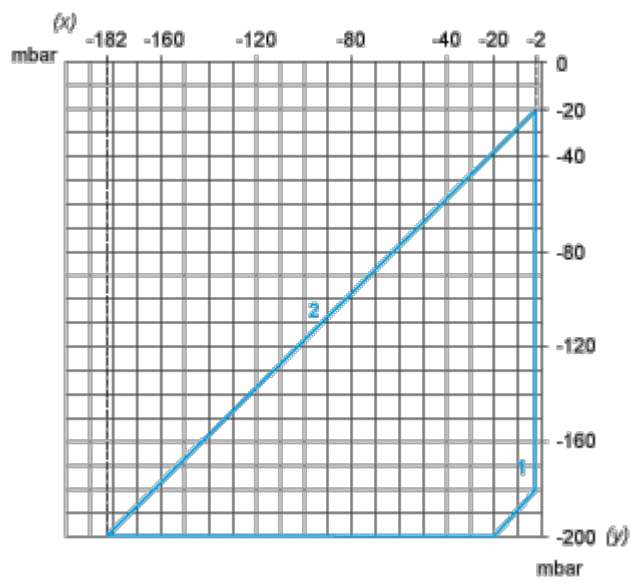
Wiring Diagram

Terminal Model

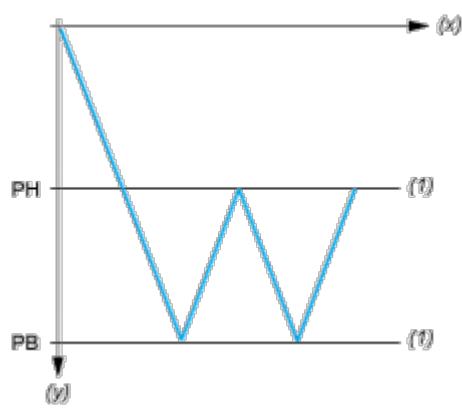


Performance Curves

Operating Curves



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



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