



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 20 bar

Local display With

Fluid connection type G 1/4 (female) conforming to ISO 228

Adjustable range of switching point on falling pressure 0.3...18.4 bar

Adjustable range of switching point on rising pressure 1.3...20 bar

Possible differential maximum at high setting 11 bar

Maximum permissible accidental pressure 45 bar

Destruction pressure 90 bar

Pressure actuator Diaphragm

Controlled fluid Air (0...70 °C)
Water (0...70 °C)
Hydraulic oil (0...70 °C)

Materials in contact with fluid Nitrile
Zinc alloy

Enclosure material Zinc alloy

Complementary

Maximum permissible pressure - per cycle 25 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 5000000 cycles

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[RETURN]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	723.0 g

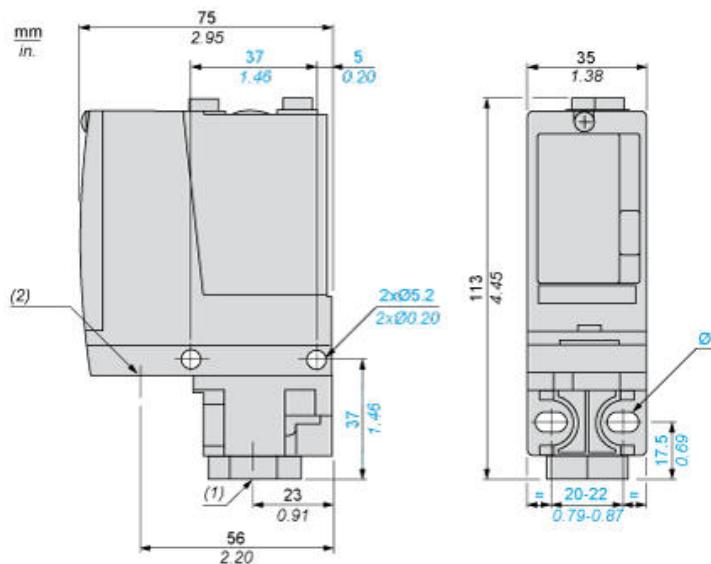
Offer Sustainability

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: Diisobutyl 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
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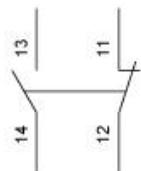
Dimensions



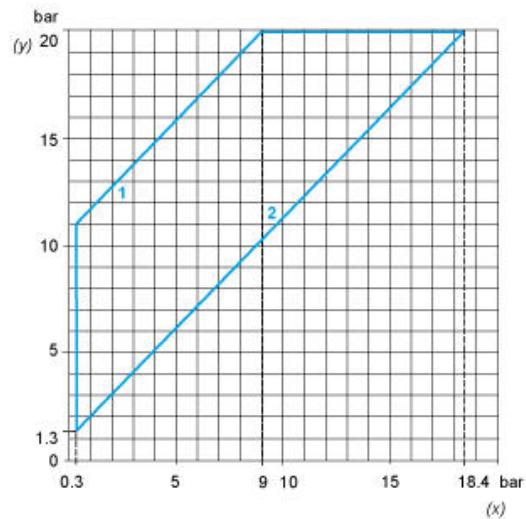
(1) 1 fluid entry, tapped G1/4 (BSP female)
(2) 1 electrical connections entry, tapped M20 x 1.5
Ø : 2 elongated holes Ø 5.2 x 6.7

[Wiring Diagram](#)

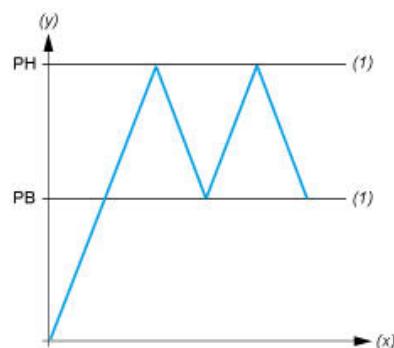
Terminal Model



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