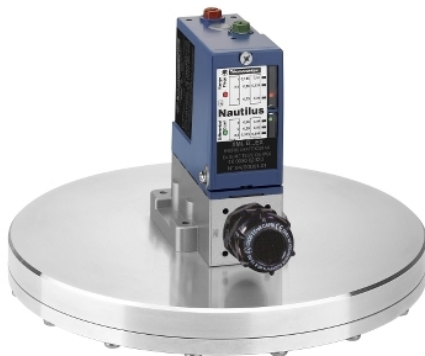


XMLBL05R2S12EX

pressure switch XMLB - 50 mbar - adjustable
scale 2 thresholds - 1 C/O



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	0.73 psi (0.05 bar)
Local display	With
Fluid connection type	G 1/4 (female) ISO 228
Adjustable range of switching point on falling pressure	0.0174...0.667 psi (0.0012...0.046 bar)
Adjustable range of switching point on rising pressure	0.0377...0.73 psi (0.0026...0.05 bar)
Possible differential maximum at high setting	0.58 psi (0.04 bar)
Maximum permissible accidental pressure	112.5 mbar
Destruction pressure	225 mbar
Pressure actuator	Diaphragm
Controlled fluid	Air 32...158 °F (0...70 °C)) Hydraulic oil 32...158 °F (0...70 °C))
Materials in contact with fluid	Aluminium Nitrile
Enclosure Material	Zinc alloy

Complementary

Maximum permissible pressure - per cycle	62.5 mbar
Cable entry number	1 tapped entry 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	6000000 cycles
Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	5.7 in (145 mm)
Depth	8.03 in (204 mm)
Width	7.9 in (200 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	-4...140 °F (-20...60 °C)
Operating position	Any position

Ordering and shipping details

Category	US10DS222661
Discount Schedule	0DS2
GTIN	3389118027022
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 in (14.0 cm)
Package 1 Width	7.9 in (20.0 cm)
Package 1 Length	7.9 in (20.0 cm)
Package 1 Weight	8.6 lb(US) (3.9 kg)

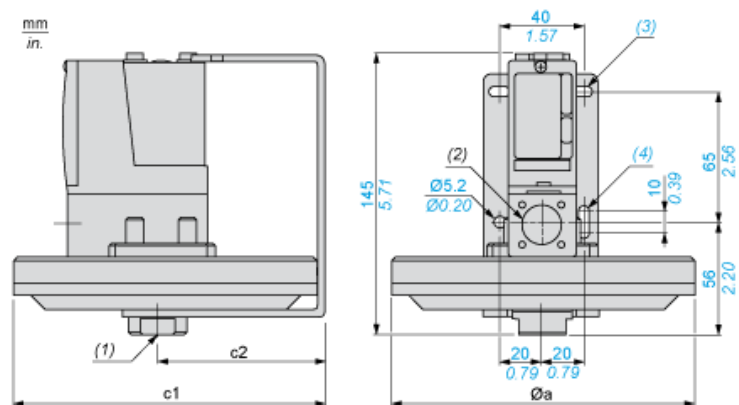
Offer Sustainability

Sustainable offer status	Green Premium product
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
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

Contractual warranty

Warranty	18 months
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Dimensions



Ø a = 200

c1 = 204

c2 = 104

(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

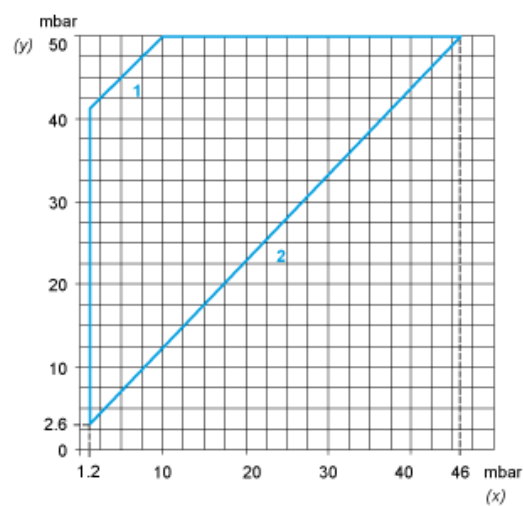
(4) 1 elongated hole Ø 15.2 x 5.2

Wiring Diagram

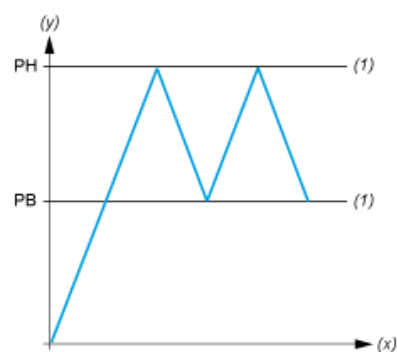
Terminal Model



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