

XMLB500D2S12EX

pressure switch XMLB - 500 bar - 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	7251.89 psi (500 bar)
Local display	With
Fluid connection type	G 1/4 (female) ISO 228
Adjustable range of switching point on falling pressure	101.53...6488.99 psi (7...447.4 bar)
Adjustable range of switching point on rising pressure	435.11...7251.89 psi (30...500 bar)
Possible differential maximum at high setting	4351.13 psi (300 bar)
Maximum permissible accidental pressure	16316.75 psi (1125 bar)
Destruction pressure	32633.49 psi (2250 bar)
Pressure actuator	Piston
Controlled fluid	Hydraulic oil 32...158 °F (0...70 °C)) Air 32...158 °F (0...70 °C)) Water 32...158 °F (0...70 °C))
Materials in contact with fluid	Brass PTFE FPM, FKM Steel
Enclosure Material	Zinc alloy

Complementary

Maximum permissible pressure - per cycle	9064.86 psi (625 bar)
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	3000000 cycles
Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	4.45 in (113 mm)
Depth	2.95 in (75 mm)
Width	1.38 in (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	-4...140 °F (-20...60 °C)
Operating position	Any position

Ordering and shipping details

Category	22661 - XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	3389118027039
Nbr. of units in pkg.	1
Package weight(Lbs)	26.98 oz (765 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.80 in (7.1 cm)
Package 1 width	4.02 in (10.2 cm)
Package 1 Length	5.94 in (15.1 cm)

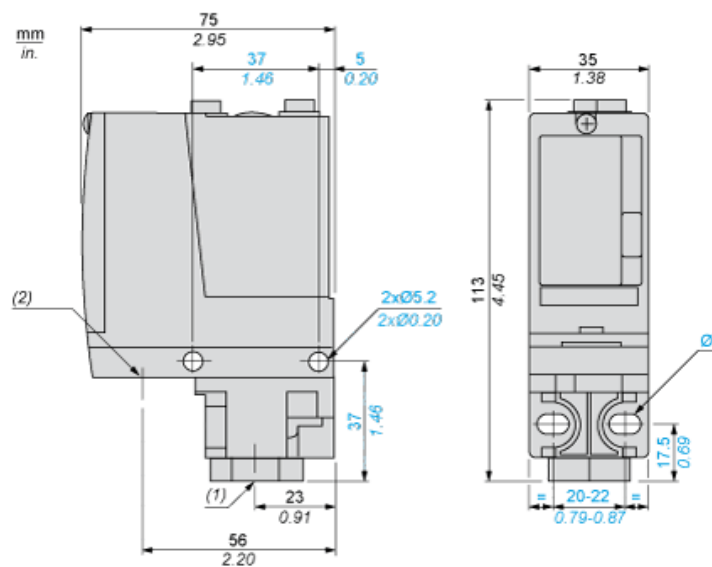
Offer Sustainability

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
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months
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Dimensions



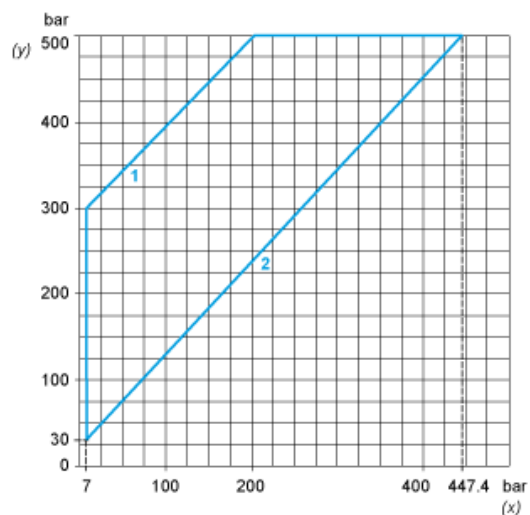
- (1) 1 fluid entry, tapped G1/4 (BSP female)
 (2) 1 electrical connections entry, tapped M20 x 1.5
 Ø : 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

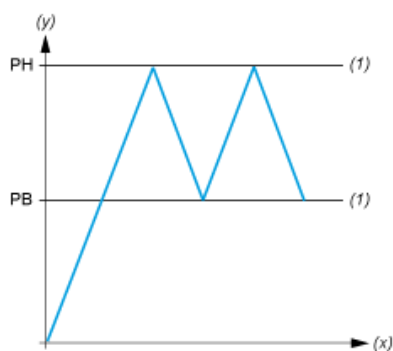
Terminal Model



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

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