XMLB300D2S13

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

Green Premium™ Product

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLB
Pressure sensor size	4351.13 psi (300 bar)
Controlled fluid	Hydraulic oil 32…320 °F (0…160 °C))
Fluid connection type	1/4" - 18 NPTF (female)
Electrical connection	Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm²
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 0.28…0.51 in (7…13 mm)
Contacts type and composition	1 C/O
Product specific application	-
Pressure switch type of operation	Regulation between 2 thresholds
Electrical circuit type	Control circuit
Scale type	Adjustable differential
Local display	With
Adjustable range of switching point on rising pressure	319.08…4351.13 psi (22…300 bar)
Adjustable range of switching point on falling pressure	37.71…3814.49 psi (2.6…263 bar)
Possible differential maximum at high setting	2900.75 psi (200 bar)
Maximum permissible accidental pressure	9790.05 psi (675 bar)
Destruction pressure	19580.10 psi (1350 bar)
Pressure actuator	Piston
Materials in contact with fluid	FPM, FKM Steel PTFE Brass
Enclosure material	Zinc alloy
Line Rated Current	3 A, B300, AC-15 (Ue = 120 V)EN/IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V)EN/IEC 60947-5-1

Complementary

Possible differential minimum at low setting	281.37 psi (19.4 bar) - 1.5 bar, + 1.7 bar)
Possible differential minimum at high setting	536.64 psi (37 bar) - 1 bar, + 4 bar)
Maximum permissible pressure - per cycle	5438.92 psi (375 bar)
Terminal block type	4 terminals
Maximum operating rate	60 cyc/mn
Repeat accuracy	2 %
[Ui] rated insulation voltage	300 V UL 508 500 V EN/IEC 60947-1 300 V CSA C22.2 No 14

[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-1
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Maximum resistance across terminals	25 MOhm IEC 255-7 category 3 25 mOhm NF C 93-050 method A
Short-circuit protection	10 A cartridge fuse gG (gl)
Mechanical durability	3000000 cycles
Setting	External
Height	4.45 in (113 mm)
Depth	2.95 in (75 mm)
Width	1.38 in (35 mm)
Product weight	1.65 lb(US) (0.75 kg)

Environment

Standards	CSA C22.2 No 14 CE EN/IEC 60947-5-1 UL 508
Product certifications	UL BV LROS (Lloyds register of shipping) CSA CCC EAC
Protective treatment	TC standard version
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient air temperature for storage	-40…158 °F (-40…70 °C)
Operating position	Any position
Vibration resistance	4 gn 30…500 Hz)IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27
Electrical shock protection class	Class I IEC 1140 Class I IEC 536 Class I NF C 20-030
IP degree of protection	IP66 EN/IEC 60529

Ordering and shipping details

Category	22661 - XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	00785901274919
Package weight(Lbs)	0.78 kg (1.72 lb(US))
Returnability	No
Country of origin	CZ

Offer Sustainability

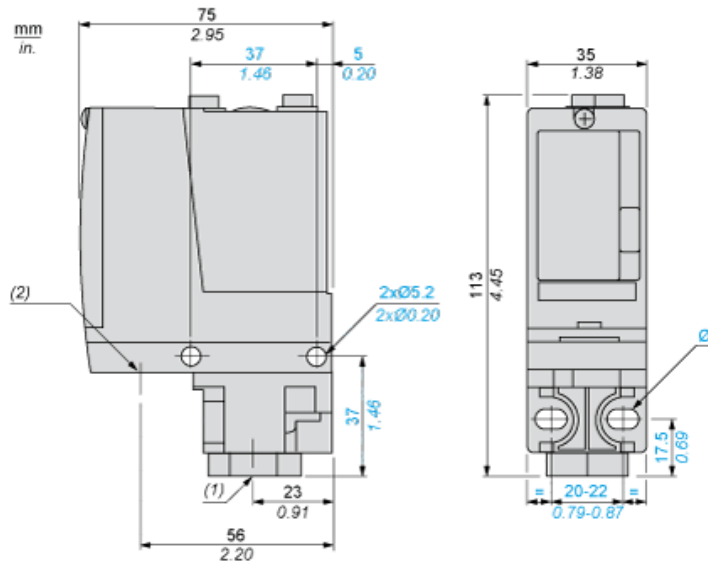|	
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information 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
Circularity Profile	No need of specific recycling operations

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Contractual warranty

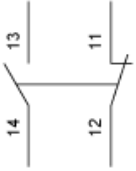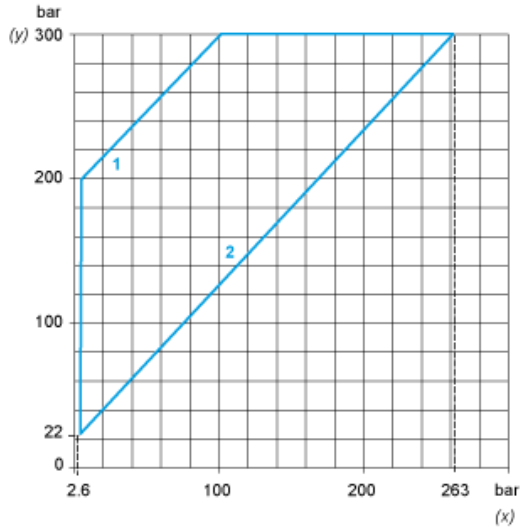|	
Warranty	18 months

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Dimensions

(1)   1 fluid entry, tapped 1/4" NPTF
(2)   1 electrical connections entry, tapped 1/2" NPT
Ø :   2 elongated holes Ø 5.2 x 6.7

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Wiring Diagram

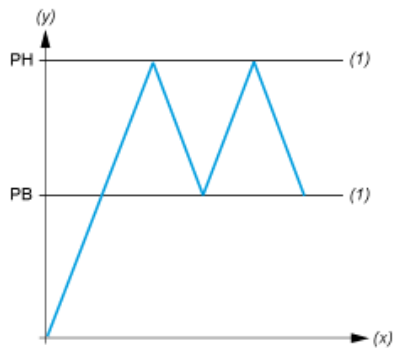### Terminal Model

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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