XMLB500D2C11

pressure switch XMLB 500 bar - adjustable scale 2 thresholds - 1 C/O





Main

Range of Product Telemecanique Pressure sensors XM Product or Component Type Pressure sensor type Electromechanical pressure sensor Device short name XMLB Pressure Rating 7251.89 psi (500 bar) Controlled fluid Hydraulic oil 32320 °F (0160 °C)) Fluid connection type G 1/4 (female) ISO 228 Electrical connection 1 male connector EN 175301-803-A (ex DIN43650), 4 pins Contacts type and composition Product Specific Application Product Specific Application Pressure switch type of operation Electrical circuit type Control circuit Scale type Adjustable differential Local display With Adjustable range of switching point on rising pressure Possible differential maximum at high setting Maximum permissible accidental pressure Destruction pressure 32633.49 psi (2250 bar) Pressure actuator Piston Materials in contact with fluid Stainless steel Brass PTFE Steel 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 0.1 A, R300, DC-13 (Ue = 250 V)EN/IEC 60947-5-1		
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switching point on falling pressure Possible differential maximum at high setting Maximum permissible accidental pressure Destruction pressure Destruction pressure Pressure actuator Materials in contact with fluid FPM, FKM Stainless steel Brass PTFE Steel 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	switching point on rising	435.117251.89 psi (30500 bar)
maximum at high setting 16316.75 psi (1125 bar) Maximum permissible accidental pressure 163316.75 psi (1125 bar) Destruction pressure 32633.49 psi (2250 bar) Pressure actuator Piston Materials in contact with fluid FPM, FKM Stainless steel Brass PTFE Steel 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	switching point on falling	101.536488.99 psi (7447.4 bar)
Destruction pressure 32633.49 psi (2250 bar)		4351.13 psi (300 bar)
Pressure actuator Piston Materials in contact with fluid FPM, FKM Stainless steel Brass PTFE Steel 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		16316.75 psi (1125 bar)
Materials in contact with fluid FPM, FKM Stainless steel Brass PTFE Steel 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	Destruction pressure	32633.49 psi (2250 bar)
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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		Stainless steel Brass PTFE
1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1	Enclosure Material	Zinc alloy
	Line Rated Current	1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1

Complementary

333.59 psi (23 bar) - 2.6 bar, + 3.8 bar)
762.90 psi (52.6 bar) - 14.8 bar, + 11.2 bar)
9064.86 psi (625 bar)
4 terminals
60 cyc/mn
2 %
300 V UL 508
500 V EN/IEC 60947-1
300 V CSA C22.2 No 14
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)
Net Weight	1.72 lb(US) (0.78 kg)

Environment

Standards	CE CSA C22.2 No 14 UL 508 EN/IEC 60947-5-1
Product Certifications	LROS (Lloyds register of shipping) BV CCC EAC CSA UL
Protective treatment	TC standard version
Ambient Air Temperature for Operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-40158 °F (-4070 °C)
Operating position	Any position
Vibration resistance	4 gn 30500 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	IP65 conforming to EN/IEC 60529

Ordering and shipping details

Category	22661-XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	3389110714517
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.53 in (11.5 cm)
Package 1 Width	1.65 in (4.2 cm)
Package 1 Length	4.72 in (12 cm)
Package 1 Weight	28.89 oz (819 g)
Unit Type of Package 2	S02
Number of Units in Package 2	9
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	16.90 lb(US) (7.666 kg)

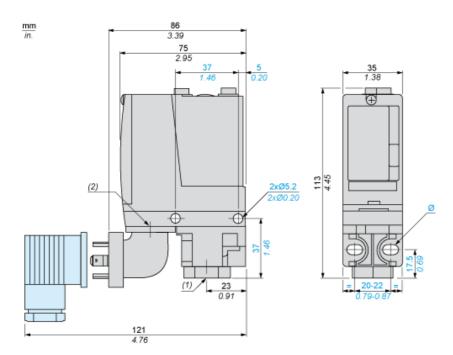
Offer Sustainability

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
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 (BS (2) EN 175301-803-A connector Ø: 2 elongated holes Ø 5.2 x 6.7 1 fluid entry, tapped G1/4 (BSP female) EN 175301-803-A connector

Product data sheet Connections and Schema

XMLB500D2C11

Wiring Diagram

Terminal Model



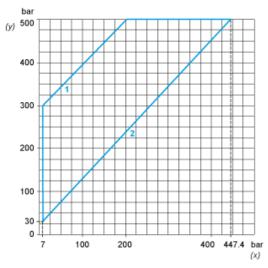
Wiring Diagram

Vacuum Switch Connector Pin View

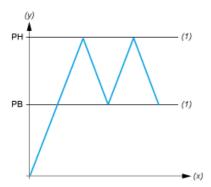


- (1) 11 and 13 (2) 12 (3) 14

Operating Curves



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



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