XMLC010B2S12

pressure switch XMLC 10 bar - adjustable scale 2 thresholds - 2 C/O





Main

Range of product Product or component type Electromechanical pressure sensor type Pressure sensor type Electromechanical pressure sensor Device short name XMLC Pressure sensor size 145.04 psi (10 bar) Controlled fluid Air 32320 °F (0160 °C)) Fresh water 32320 °F (0160 °C)) Hydraulic oil (0160 °C) Huid connection type G 1/4 (female) conforming to ISO 228 Electrical connection Screw-clamps terminals, 1 x 0.52 x 2.5 mm² AWG gauge AWG 20AWG 14 Cable entry Cable gland 0.280.51 in (713 mm) Contacts type and composition 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 Pressure actuator Diaphragm Materials in contact with fluid Enclosure material Line Rated Current Electromechanical pressure sensor Electroal (0160 °C) Electroal cide of \$\circ{\circ}{\circ}\) (0160 °C) Electroal cide of \$\circ\{\circ}\) (0160 °C) Electroal cide of \$\circ\{\circ}\}\) (0145 bar) Electroal cide of \$\circ\{\circ}\}\) (0.15145.04 psi (0.710 bar) Electroal cide of \$\circ\{\circ}\}\}\) (0.15145.04 psi (0.710 bar) Electroal cide of \$\circ\{\circ}\}\}\) (0.15145.04 psi (0.259.3 bar) Electroal cide of \$\circ\{\circ}\}\}\) (0.15145.04 psi (0.259.3 bar) Electroal cide of \$\circ\{\circ}		
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Electrical connection AWG gauge AWG 20AWG 14 Cable entry Cable gland 0.280.51 in (713 mm) Contacts type and composition 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 Destruction pressure Aigustable in contact with fluid Electrical circuit type Control circuit Scale type Adjustable differential 10.15145.04 psi (0.710 bar) 3.63134.89 psi (0.259.3 bar) 116.03 psi (8 bar) 116.03 psi (8 bar) 326.33 psi (22.5 bar) 326.33 psi (22.5 bar) Aigustable range of switching point on falling pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid Enclosure material Line Rated Current 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/ IEC 60947-5-1 1.5 A, B300, DC-13 (Ue = 240 V) conforming to EN/ IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/	Controlled fluid	Fresh water 32320 °F (0160 °C))
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Cable entry Cable gland 0.280.51 in (713 mm) Contacts type and composition 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 Adjustable range of switching point on falling pressure Possible differential maximum at high setting Maximum permissible accidental pressure Destruction pressure Afficial in contact with fluid Enclosure material Zinc alloy Line Rated Current Cable gland 0.280.51 in (713 mm) 2 C/O Control circuit Regulation between 2 thresholds 10.15145.04 psi (0.710 bar) With 10.15145.04 psi (0.710 bar) 3.63134.89 psi (0.259.3 bar) 3.63134.89 psi (0.259.3 bar) 326.33 psi (22.5 bar) 326.33 psi (22.5 bar) 2 Destruction pressure Destruction pressure Afficial in contact with fluid Brass FPM, FKM Enclosure material Zinc alloy Line Rated Current 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/ IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/ IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/	Electrical connection	Screw-clamps terminals, 1 x 0.52 x 2.5 mm ²
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Scale type		Regulation between 2 thresholds
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maximum at high setting326.33 psi (22.5 bar)Maximum permissible accidental pressure326.33 psi (22.5 bar)Destruction pressure652.67 psi (45 bar)Pressure actuatorDiaphragmMaterials in contact with fluidBrass FPM, FKMEnclosure materialZinc alloyLine Rated Current3 A, B300, AC-15 (Ue = 120 V) conforming to EN/ IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/ IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/	switching point on falling	3.63134.89 psi (0.259.3 bar)
accidental pressure Destruction pressure 652.67 psi (45 bar) Pressure actuator Diaphragm Materials in contact with fluid FPM, FKM Enclosure material Zinc alloy Line Rated Current 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/ IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/ IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/		116.03 psi (8 bar)
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Materials in contact with fluid Brass FPM, FKM Enclosure material Zinc alloy Line Rated Current 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/ IEC 60947-5-1	Destruction pressure	652.67 psi (45 bar)
FPM, FKM	Pressure actuator	Diaphragm
Line Rated Current 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/ IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/ IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/		
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	Line Rated Current	IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/ IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/

Complementary

Possible differential minimum at low setting	6.53 psi (0.45 bar) +/- 0.05 bar)
Possible differential minimum at high setting	10.15 psi (0.7 bar) +/- 0.01 bar)
Maximum permissible pressure - per cycle	181.30 psi (12.5 bar)
Terminal block type	8 terminals
Maximum operating rate	120 cyc/mn
Repeat accuracy	2 %

[Ui] rated insulation voltage	300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14	
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-1	
Auxiliary contacts operation	Simultaneous, snap action	
Contacts material	Silver contacts	
Maximum resistance across terminals	25 MOhm conforming to IEC 255-7 category 3 25 mOhm conforming to NF C 93-050 method A	
Short-circuit protection	10 A cartridge fuse, type gG (gl)	
Mechanical durability	5000000 cycles	
Setting	External	
Height	4.45 in (113 mm)	
Depth	3.35 in (85 mm)	
Width	1.81 in (46 mm)	
Net weight	1.51 lb(US) (0.685 kg)	

Environment

Standards	CE CSA C22.2 No 14 UL 508 EN/IEC 60947-5-1
Product certifications	UL CSA EAC
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 conforming to IEC 60068-2-6 (f = 30500 Hz)
Shock resistance	50 gn conforming to IEC 60068-2-27
Electrical shock protection class	Class I conforming to IEC 1140 Class I conforming to IEC 536 Class I conforming to 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	00785901710813	
Nbr. of units in pkg.	1	
Package weight(Lbs)	1 lb(US) (0.45 kg)	
Returnability	No	
Country of origin	CZ	

Packing Units

Package 1 Height	0.600 dm	
Package 1 width	1.500 dm	
Package 1 Length	1.070 dm	

Offer Sustainability

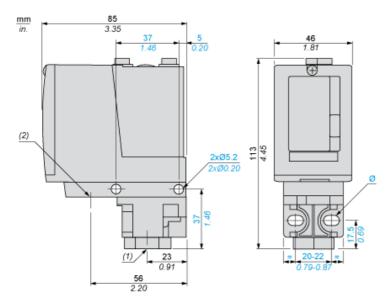
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to 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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Product data sheet **Dimensions Drawings**

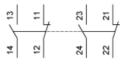
Dimensions



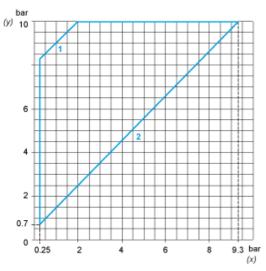
- (1) 1 fluid entry, tapped G1/4 (BSP female)
 (2) 1 electrical connections entry, tapped M20 x 1.5
 Ø: 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

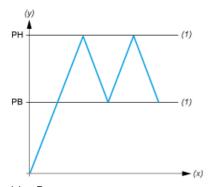
Terminal Model



Operating Curves



(y) Rising pressure(x) Falling pressure1: Maximum differential2: Minimum differential



(y) Pressure(x) Time(1) Adjustable valuePH: High point

PB: Below point