XMLA035A2S13

pressure switch XMLA 35 bar - fixed scale 1 threshold - 1 C/O





Main

IEC 60947-5-1	iviaiii	
type Pressure sensor type Electromechanical pressure sensor Device short name XMLA Pressure sensor size 507.63 psi (35 bar) Controlled fluid Air (070 °C) Fresh water 32158 °F (070 °C)) Hydraulic oil (070 °C) Fresh water 32158 °F (070 °C)) Hydraulic oil (070 °C) Fluid connection type 1/4" - 18 NPTF (female) 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 Product specific application Pressure switch type of operation Electrical circuit type Control circuit Scale type Fixed differential Local display With Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Maximum permissible accidental pressure Destruction pressure 2320.60 psi (160 bar) Pressure actuator Diaphragm Materials in contact with fluid Brass Zinc alloy Enclosure material Zinc alloy Line Rated Current Electroaction in table and in the properties of the pressure of the press	Range of product	OsiSense XM
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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 Product specific application Pressure switch type of operation Electrical circuit type Control circuit Scale type Fixed differential Local display With Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Maximum permissible accidental pressure Destruction pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid Enclosure material Line Rated Current Screw-clamps terminals, 1 x 0.52 x 2.5 mm² AWG 20AWG 14 Cable gland 0.280.51 in (713 mm) 1 C/O Control circuit Scale type Fixed differential 21.76507.63 psi (1.535 bar) 3.63489.50 psi (0.2533.75 bar) 1160.30 psi (80 bar) 2320.60 psi (160 bar) Pressure actuator Diaphragm Materials in contact with fluid Brass Zinc alloy 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	Controlled fluid	Fresh water 32158 °F (070 °C))
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Contacts type and composition Product specific application Pressure switch type of operation Electrical circuit type Control circuit Scale type Fixed differential Local display With Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Maximum permissible accidental pressure Destruction pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid Enclosure material Line Rated Current 1 C/O Detection of 1 single threshold operation of 1 single threshold operatio	AWG gauge	AWG 20AWG 14
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application Pressure switch type of operation Electrical circuit type Control circuit Scale type Fixed differential Local display With Adjustable range of switching point on rising pressure Adjustable range of switching point on falling pressure Adjustable range of switching point on falling pressure Maximum permissible accidental pressure Destruction pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid Enclosure material Line Rated Current Jec 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1 IEC 60947-5-1 IEC 60947-5-1	5 .	1 C/O
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switching point on rising pressure Adjustable range of switching point on falling pressure Maximum permissible accidental pressure Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid Brass Zinc alloy Enclosure material Zinc alloy Line Rated Current Adjustable range of 3.63489.50 psi (0.2533.75 bar) 3.63489.50 psi (0.2533.75 bar) 3.63489.50 psi (0.2533.75 bar) 3.63489.50 psi (0.2533.75 bar) 1160.30 psi (80 bar) 2320.60 psi (160 bar) Pressure actuator Diaphragm Nitrile Brass Zinc alloy Enclosure material Zinc alloy Line Rated Current 3.63489.50 psi (0.2533.75 bar) 3.63489.50 psi (0.2533.75 bar)	Local display	With
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accidental pressure Destruction pressure 2320.60 psi (160 bar) Pressure actuator Diaphragm Materials in contact with fluid Brass Zinc alloy 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	switching point on falling	3.63489.50 psi (0.2533.75 bar)
Pressure actuator Diaphragm Materials in contact with fluid Diaphragm Nitrile Brass Zinc alloy 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	-	1160.30 psi (80 bar)
Materials in contact with fluid Brass Zinc alloy 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	Destruction pressure	2320.60 psi (160 bar)
Brass Zinc alloy	Pressure actuator	Diaphragm
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IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN IEC 60947-5-1	Enclosure material	Zinc alloy
IEC 60947-5-1	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

1.25 bar (+/- 0.25 bar)
1.25 bar (+/- 0.25 bar)
652.67 psi (45 bar)
4 terminals
120 cyc/mn
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	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	2.95 in (75 mm)	
Width	1.38 in (35 mm)	
Net weight	1.53 lb(US) (0.695 kg)	

Environment

Standards	CE EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508
Product certifications	UL CSA LROS (Lloyds register of shipping) EAC BV CCC
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	00785901755999
Nbr. of units in pkg.	1
Package weight(Lbs)	1.55 lb(US) (0.70 kg)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE	
Package 1 Height	1.65 in (4.2 cm)	
Package 1 width	4.92 in (12.5 cm)	
Package 1 Length	3.15 in (8 cm)	

Offer Sustainability

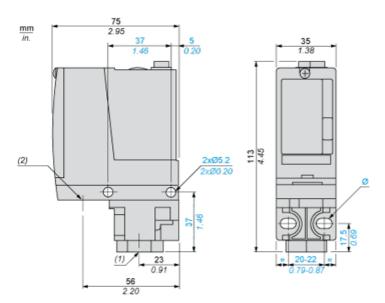
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to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

Dimensions



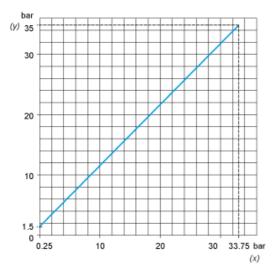
- (1) 1 fluid entry, tapped 1/4" NPTF
 (2) 1 electrical connections entry, tapped 1/2" NPT
 Ø: 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

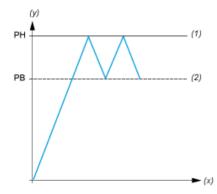
Terminal Model



Operating Curves



- Rising pressure Falling pressure



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