XMLA002C2S11

pressure switch XMLA 2.5 bar - fixed scale 1 threshold - 1 C/O



Main

| Range of product Product or component type Pressure sensor type Electromechanical pressure sensor Device short name XMLA Pressure rating 2.5 bar Controlled fluid Corrosive fluid (0160 °C) Fluid 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 913 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 Destruction pressure Destruction pressure Destruction pressure Destruction pressure Destruction pressure In B bar Pressure actuator Diaphragm Materials in contact with fluid Enclosure material Zinc alloy In Jan 20 V) conforming to IEC 60947-5-1 I. 5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 I. 1. A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 I. 1. A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 I. 2 A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 I. 3 A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 | | |
|--|----------------------------|--|
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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 913 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 Diaphragm Materials in contact with fluid [In] rated current Screw-clamps terminals, 1 x 0.52 x 2.5 mm² AWG 20AWG 14 Cable gland 913 mm Contacts ye and composition Pressure switching threshold Ontrol circuit Scale type Fixed differential Ontrol circuit Scale type Fixed differential Ontrol circuit Ontrol circuit Scale type Fixed differential Ontrol circuit Ontrol circuit Scale type Fixed differential Ontrol circuit Scale type Fixed differential Ontrol circuit Scale type Fixed differential Ontrol circuit Ontrol circuit Scale type Fixed differential Ontrol circuit Ontrol circuit Scale type Fixed differential Ontrol circuit Ontrol circuit Ontrol circuit Scale type Fixed differential Ontrol circuit Ontrol circuit Ontrol circuit Ontrol circuit Adjustable range of Scale type Fixed differential Ontrol circuit Ontrol circu | Controlled fluid | Corrosive fluid (0160 °C) |
| AWG gauge Cable entry Cable gland 913 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 Destruction pressure Destruction pressure Diaphragm Materials in contact with fluid PTFE Enclosure material Zinc alloy [In] rated current AWG 20AWG 14 Cable gland 913 mm 1 C/O Detection of 1 single threshold operation 1 single threshold 0 operation | Fluid connection type | G 1/4 (female) conforming to ISO 228 |
| Cable entry Cable gland 913 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 Diaphragm Materials in contact with fluid PTFE Enclosure material Zinc alloy [In] rated current A Cable gland 913 mm 1 C/O Control circuit Control circuit Scale type Fixed differential 0.152.5 bar 0.152.5 bar 0.022.37 bar 0.022.37 bar 0.022.37 bar 0.022.37 bar 0.022.37 bar 0.022.37 bar 0.032.37 bar 0.042.37 bar 0.052.37 bar 0.062.37 bar 0.072.37 bar 0.082.37 bar 0.0942.37 bar | Electrical connection | Screw-clamps terminals, 1 x 0.52 x 2.5 mm² |
| 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 Diaphragm Materials in contact with fluid PTFE Enclosure material Zinc alloy [In] rated current 1 C/O Detection of 1 single threshold - acquire threshold 0.152.5 bar 0.152.5 bar 0.022.37 bar | AWG gauge | AWG 20AWG 14 |
| 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 PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | Cable entry | Cable gland 913 mm |
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| Local display 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 Pressure actuator Materials in contact with fluid PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | Electrical circuit type | Control circuit |
| 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 18 bar Pressure actuator Diaphragm Materials in contact with fluid PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | Scale type | Fixed differential |
| 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 PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | Local display | With |
| switching point on falling pressure Maximum permissible accidental pressure Destruction pressure Pressure actuator Materials in contact with fluid PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | switching point on rising | 0.152.5 bar |
| accidental pressure Destruction pressure Pressure actuator Diaphragm Materials in contact with fluid PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | switching point on falling | 0.022.37 bar |
| Pressure actuator Diaphragm Materials in contact with fluid 316L stainless steel PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | • | 9 bar |
| Materials in contact with fluid 316L stainless steel PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | Destruction pressure | 18 bar |
| fluid PTFE Enclosure material Zinc alloy [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | Pressure actuator | Diaphragm |
| [In] rated current 3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | | |
| 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC | Enclosure material | Zinc alloy |
| | [In] rated current | 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC |

Complementary

| Natural differential at low setting | 0.13 bar (+/- 0.03 bar) |
|--|--|
| Natural differential at high setting | 0.13 bar (+/- 0.03 bar) |
| Maximum permissible pressure - per cycle | 5 bar |
| Terminal block type | 4 terminals |
| Maximum operating rate | 120 cyc/mn |
| Repeat accuracy | 2 % |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 500 V conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to 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 | 8000000 cycles | |
| Setting | External | |
| Height | 158 mm | |
| Depth | 77.5 mm | |
| Width | 35 mm | |
| Net weight | 0.995 kg | |

Environment

| Standards | IEC 60947-5-1 |
|---------------------------------------|---|
| | UL 508 |
| | CE |
| | CSA C22.2 No 14 |
| Product certifications | CCC[RETURN]CSA[RETURN]BV[RETURN]LROS (Lloyds register of shipping) [RETURN]UL |
| Protective treatment | TC standard version |
| Ambient air temperature for operation | -2570 °C |
| Ambient air temperature for storage | -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 conforming to IEC 60529 |
| | |

Packing Units

| Unit Type of Package 1 | PCE | |
|------------------------------|---------|--|
| Number of Units in Package 1 | 1 | |
| Package 1 Height | 14.5 cm | |
| Package 1 Width | 6.2 cm | |
| Package 1 Length | 8.2 cm | |
| Package 1 Weight | 1.04 kg | |

Offer Sustainability

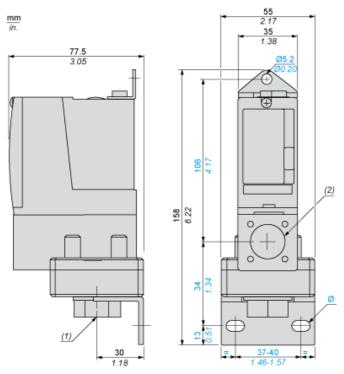
| Sustainable offer status | Green Premium product |
|--|---|
| Circularity Profile | No need of specific recycling operations |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

| Warranty | 18 months |
|----------|-----------|
|----------|-----------|



Dimensions



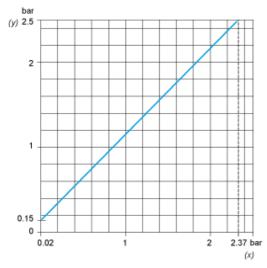
- (1) 1 fluid entry, tapped G1/4 (BSP female)
 (2) 1 electrical connections entry, tapped Pg 13.5
 Ø: 2 elongated holes Ø 10.2 x 5.2

Wiring Diagram

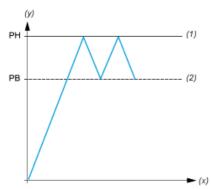
Terminal Model



Operating Curves



- (y) Rising pressure(x) Falling pressure



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