

XMLA010C2S14

pressure switch XMLA 10 bar - fixed scale 1
threshold - 1 C/O



Main

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|---|--|
| Range of product | OsiSense XM |
| Product or component type | Electromechanical pressure sensor |
| Pressure sensor type | Electromechanical pressure sensor |
| Device short name | XMLA |
| Pressure sensor size | 10 bar |
| Controlled fluid | Corrosive fluid (0...160 °C) |
| Fluid connection type | PT 1/4 (female) |
| Electrical connection | Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm ² |
| AWG gauge | AWG 20...AWG 14 |
| Cable entry | Cable gland 7...13 mm |
| Contacts type and composition | 1 C/O |
| Product specific application | - |
| Pressure switch type of operation | Detection of 1 single threshold |
| Electrical circuit type | Control circuit |
| Scale type | Fixed differential |
| Local display | With |
| Adjustable range of switching point on rising pressure | 0.6...10 bar |
| Adjustable range of switching point on falling pressure | 0.1...9.5 bar |
| Maximum permissible accidental pressure | 22.5 bar |
| Destruction pressure | 45 bar |
| Pressure actuator | Diaphragm |
| Materials in contact with fluid | PTFE 316L stainless steel |
| Enclosure material | Zinc alloy |
| [In] rated current | 3 A, B300, AC-15 (U _e = 120 V) conforming to EN/IEC 60947-5-1 1.5 A, B300, AC-15 (U _e = 240 V) conforming to EN/IEC 60947-5-1 0.1 A, R300, DC-13 (U _e = 250 V) conforming to EN/IEC 60947-5-1 |

Complementary

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|--|---|
| Natural differential at low setting | 0.5 bar (+/- 0.05 bar) |
| Natural differential at high setting | 0.5 bar (+/- 0.05 bar) |
| Maximum permissible pressure - per cycle | 12.5 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 EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| [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 | 113 mm |
| Depth | 75 mm |
| Width | 35 mm |
| Net weight | 0.685 kg |

Environment

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|---------------------------------------|--|
| Standards | CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 CE |
| Product certifications | EAC LROS (Lloyds register of shipping) UL BV CCC CSA |
| Protective treatment | TC standard version |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Operating position | Any position |
| Vibration resistance | 4 gn conforming to IEC 60068-2-6 (f = 30...500 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 EN/IEC 60529 |

Packing Units

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|------------------|----------|
| Package 1 Weight | 0.712 kg |
| Package 1 Height | 0.420 dm |
| Package 1 width | 1.250 dm |
| Package 1 Length | 0.800 dm |

Contractual warranty

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| Warranty | 18 months |
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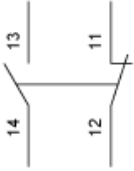
Dimensions



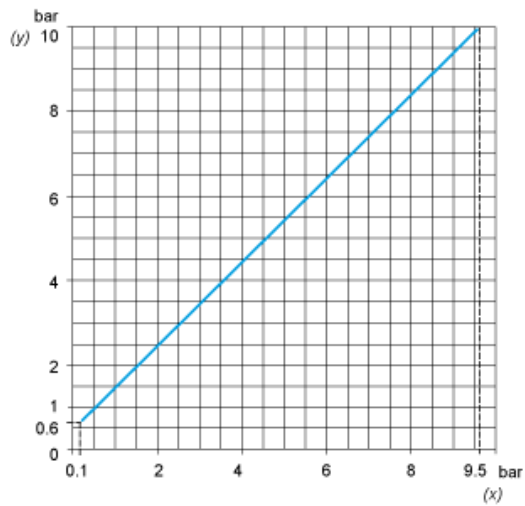
- (1) 1 fluid entry, tapped PT 1/4 (JIS B0203)
- (2) 1 electrical connections entry, tapped 1/2" PF (JIS B0202)
- Ø : 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

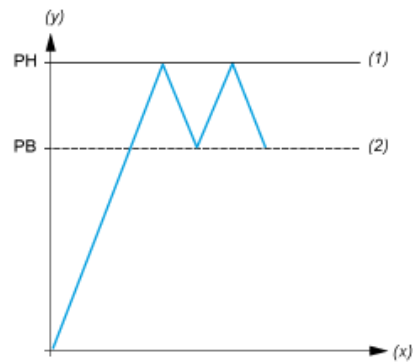
Terminal Model



Operating Curves



(y) Rising pressure
(x) Falling pressure



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