# *Product datasheet*
## *Characteristics*

# XMPC12C2131

## Main

| | |
|---|---|
| Range of product | OsiSense XM |
| Pressure sensor type | Electromechanical pressure sensor |
| Pressure sensor name | XMP |
| Pressure sensor size | 174.05 psi (12 bar) |
| Fluid connection type | G 1/4 (female) conforming to ISO 228 |
| Controlled fluid | Air (32...158 °F (0...70 °C))<br>Fresh water (32...158 °F (0...70 °C))<br>Sea water (32...158 °F (0...70 °C)) |
| Cable entry | 2 entries tapped for Pg 13.5 cable gland conforming to NF C 68-300 |
| Contacts type and composition | 3 NC snap action |
| Product specific application | - |
| Pressure switch type of operation | Regulation between 2 thresholds |
| Electrical connection | Screw-clamp terminals, clamping capacity: minimum : 2 x 4 mm² |
| Electrical circuit type | Power circuit |
| Scale type | Adjustable differential |
| Local display | Without |
| Sale per indivisible quantity | 1 |

## Complementary

| | |
|---|---|
| Adjustable range of switching point on falling pressure | 4.35...149.39 psi (0.3...10.3 bar) |
| Adjustment range high setting | 18.85...174.05 psi (1.3...12 bar) |
| Possible differential minimum at low setting | 14.5 psi (1 bar) |
| Possible differential minimum at high setting | 24.66 psi (1.7 bar) |
| Possible differential maximum at high setting | 121.83 psi (8.4 bar) |
| Destruction pressure | 435.11 psi (30 bar) |
| Type of decompression valve | Without |
| Control type | ON/OFF knob |
| Terminal block type | 6 terminals |
| Pressure actuator | Diaphragm |
| Materials in contact with fluid | Canvas covered nitrile<br>Chromated zinc alloy |
| Enclosure material | PA impregnated with fibreglass |
| Operating position | Any position |
| Operating rate | 10 cyc/mn |
| Repeat accuracy | < 3.5 % |
| [Ui] rated insulation voltage | 500 V conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-1 |
| Resistance across terminals | <= 25 MOhm conforming to IEC 60255-7 category 3<br><= 25 MOhm conforming to NF C 93-050 method A |
| Electrical durability | 1000000 cycles (1.5 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases)<br>500000 cycles (3 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases)<br>600000 cycles (1.5 kW, operating rate: 10 cyc/mn, load factor: 0.4, 230 V AC 3 phases)<br>700000 cycles (2.2 kW, operating rate: 10 cyc/mn, load factor: 0.4, 400 V AC 3 phases) |
| Mechanical durability | 1000000 cycles |
| Setting | Nut |

| | |
|---|---|
| Product weight | 0.95 lb(US) (0.43 kg) |
| Terminals description ISO n°1 | (1-2)NC<br>(3-4)NC<br>(5-6)NC |
| Depth | 3.86 in (98 mm) |
| Height | 4.92 in (125 mm) |
| Width | 2.24 in (57 mm) |

## Environment

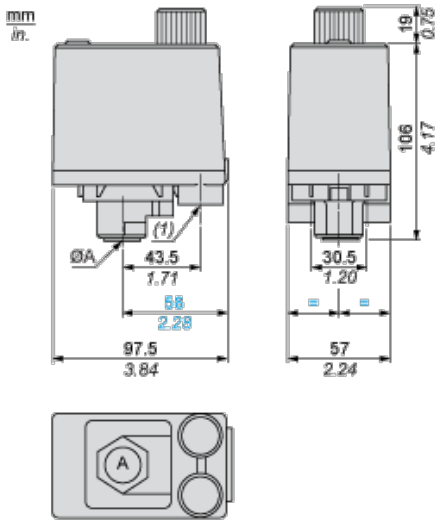
| | |
|---|---|
| product certifications | EAC |
| standards | CE<br>EN/IEC 60947-4-1 |
| ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| ambient air temperature for storage | -40...158 °F (-40...70 °C) |
| vibration resistance | 3 gn (f = 10...500 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 50 gn conforming to IEC 60068-2-27 |
| electrical shock protection class | Class I conforming to IEC 60536 |
| IP degree of protection | IP54 conforming to EN/IEC 60529 |

## Offer Sustainability

| | |
|---|---|
| Green Premium product | Green Premium product |
| Compliant - since 0627 - Schneider Electric declaration of conformity | Compliant - since 0627 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Need no specific recycling operations | Need no specific recycling operations |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and | 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. | 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 more information go to www.p65warnings.ca.gov |

## Dimensions

### Without Decompression Valve

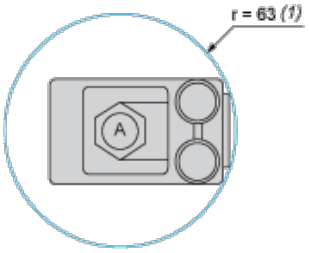



**ØA** G 1/4

**=**

**(1)** 2 tapped entries for Pg 13.5

## Minimum Mounting Clearance




**ØA** G1/4
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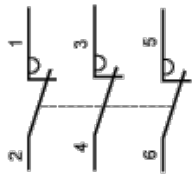
**(1)** Minimum clearance zone for screwing-on pressure switch at point A

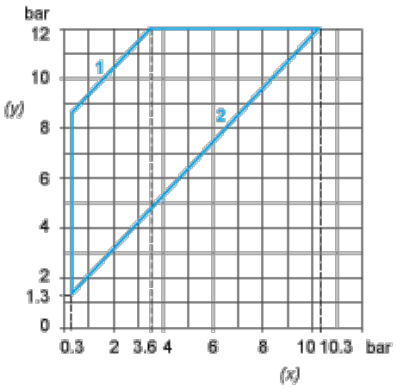
## Wiring Diagram

### Terminal Connections

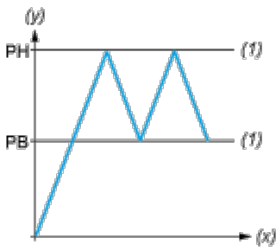



## Curves

### Operating Curves




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




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