

# XMPA12C2242

pressure sensor XMP - 12 bar - G 3/8 female - 3 NC  
- without control type



## Main

|                                   |  |
|-----------------------------------|--|
| Range of product                  | OsiSense XM  |
| Pressure sensor type              | Electromechanical pressure sensor  |
| Pressure sensor name              | XMP  |
| Pressure sensor size              | 12 bar   |
| Fluid connection type             | G 3/8 (female) conforming to ISO 228   |
| Controlled fluid                  | Air (0...70 °C)<br>Fresh water (0...70 °C)<br>Sea water (0...70 °C)  |
| Cable entry                       | 2 entries incorporating Pg 13.5 plastic cable gland, cable outer diameter: 9...13 mm 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 mm <sup>2</sup>                                      |
| 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 | 0.3...10.3 bar  |
| Adjustment range high setting                           | 1.3...12 bar  |
| Possible differential minimum at low setting            | 1 bar   |
| Possible differential minimum at high setting           | 1.7 bar   |
| Possible differential maximum at high setting           | 8.4 bar   |
| Destruction pressure                                    | 30 bar  |
| Type of decompression valve                             | Without   |
| Control type  | Without   |
| 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) |

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

|                               |                               |
|-------------------------------|-------------------------------|
| Mechanical durability         | 1000000 cycles                |
| Setting                       | Knurled knob and nut          |
| Product weight                | 0.43 kg                       |
| Terminals description ISO n°1 | (1-2)NC<br>(3-4)NC<br>(5-6)NC |
| Depth                         | 98 mm                         |
| Height                        | 106 mm                        |
| Width                         | 57 mm                         |

## Environment

|                                       |  |
|---------------------------------------|--|
| product certifications                | EAC  |
| standards                             | CE<br>EN/IEC 60947-4-1                             |
| ambient air temperature for operation | -25...70 °C  |
| ambient air temperature for storage   | -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

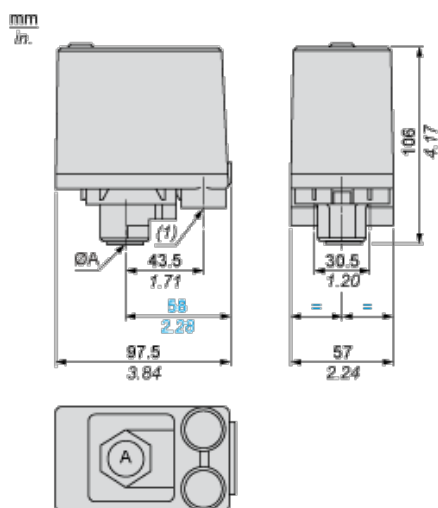
|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 0627 - Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                     |
| Product end of life instructions | Need no specific recycling operations                                 |

## Contractual warranty

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

## Dimensions

### Without Decompression Valve

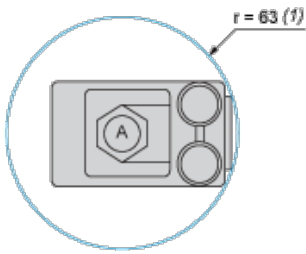


ØA G 3/8

=

(1) 2 tapped entries for Pg 13.5

### Minimum Mounting Clearance



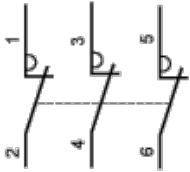
ØA G 3/8

=

(1) Minimum clearance zone for screwing-on pressure switch at point A

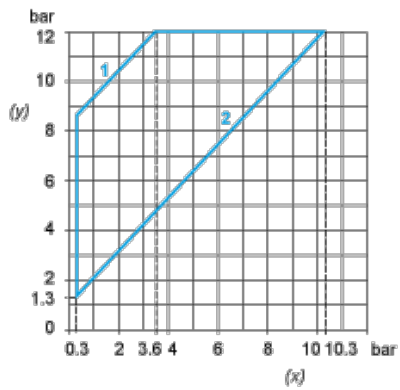
## Wiring Diagram

### Terminal Connections



## Curves

### Operating Curves

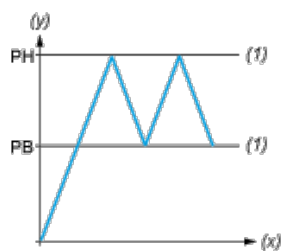


(y) Rising pressure

(x) Falling pressure

1 : Maximum differential

2 : Minimum differential



(y) Pressure

(x) Time

(1) Adjustable value

PH : High point

PB : Below point