

## XMPA06C2141

pressure sensor XMP - 6 bar - G 1/4 female - 3 NC - without control type



### Main

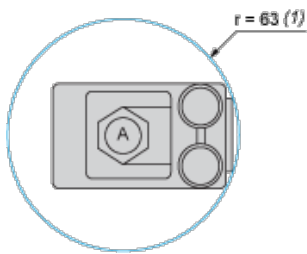
|                                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Range of product                  | OsiSense XM                                                                                                    |
| Pressure sensor type              | Electromechanical pressure sensor                                                                              |
| Pressure sensor name              | XMP                                                                                                            |
| Pressure sensor size              | 6 bar                                                                                                          |
| Fluid connection type             | G 1/4 (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 | 0.2...4.8 bar                                                                                                                                                                                                                                                                                                                                                       |
| Adjustment range high setting                           | 1...6 bar                                                                                                                                                                                                                                                                                                                                                           |
| Possible differential minimum at low setting            | 0.8 bar                                                                                                                                                                                                                                                                                                                                                             |
| Possible differential minimum at high setting           | 1.2 bar                                                                                                                                                                                                                                                                                                                                                             |
| Possible differential maximum at high setting           | 4.2 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) |

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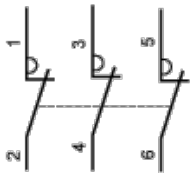
ØA G1/4

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

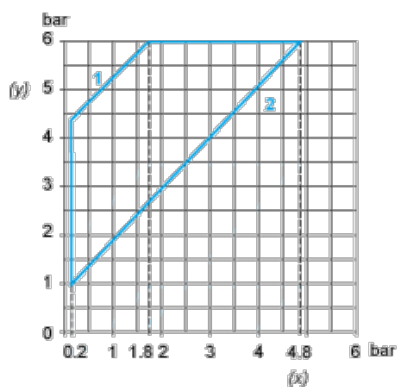
## Wiring Diagram

### Terminal Connections



## Curves

### Operating Curves

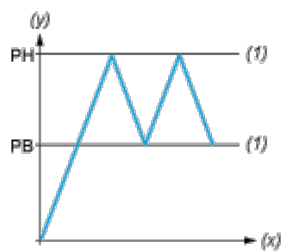


(y) Rising pressure

(x) Falling pressure

1 : Maximum differential

2 : Minimum differential



(y) Pressure

(x) Time

(1) Adjustable value

PH : High point

PB : Below point