

# XMPR06B2433

pressure sensor XMP - 6 bar - 4xG 1/4 female -  
2 NC - ON/OFF knob control



## Main

|                                   |                                                                           |
|-----------------------------------|---------------------------------------------------------------------------|
| Range of product                  | Telemecanique Pressure sensors XM                                         |
| Pressure sensor type              | Electromechanical pressure sensor                                         |
| Pressure sensor name              | XMP                                                                       |
| Pressure rating                   | 6 bar                                                                     |
| Fluid connection type             | 4 x 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 tapped for Pg 13.5 cable gland conforming to NF C 68-300        |
| Contacts type and composition     | 2 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                             | Straight valve olive connection                                                            |
| Control type                                            | ON/OFF knob                                                                                |
| Terminal block type                                     | 4 terminals                                                                                |
| Pressure actuator                                       | Diaphragm                                                                                  |
| Materials in contact with fluid                         | Chromated zinc alloy<br>Canvas covered nitrile                                             |
| Enclosure material                                      | PA impregnated with fibreglass                                                             |
| Operating position                                      | Any position                                                                               |
| Maximum operating rate                                  | 10 cyc/mn                                                                                  |
| Repeat accuracy                                         | 3.5 %                                                                                      |
| [Ui] rated insulation voltage                           | 500 V conforming to IEC 60947-1                                                            |
| [Uimp] rated impulse withstand voltage                  | 6 kV conforming to IEC 60947-1                                                             |
| Maximum 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                                                                                                                                                                                                                                                                                                                                                         |
| Net weight                    | 0.45 kg                                                                                                                                                                                                                                                                                                                                                     |
| Terminals description ISO n°1 | (3-4)NC<br>(1-2)NC                                                                                                                                                                                                                                                                                                                                          |
| Depth                         | 98 mm                                                                                                                                                                                                                                                                                                                                                       |
| Height                        | 138 mm                                                                                                                                                                                                                                                                                                                                                      |
| Width                         | 57 mm                                                                                                                                                                                                                                                                                                                                                       |

## Environment

|                                       |                                                    |
|---------------------------------------|----------------------------------------------------|
| Product certifications                | EAC                                                |
| Standards                             | CE<br>IEC 60947-4-1                                |
| Ambient air temperature for operation | -25...70 °C                                        |
| Ambient air temperature for storage   | -40...70 °C                                        |
| Vibration resistance                  | 3 gn conforming to IEC 60068-2-6 (f = 10...500 Hz) |
| Shock resistance                      | 50 gn conforming to IEC 60068-2-27                 |
| Electrical shock protection class     | Class I conforming to IEC 60536                    |
| IP degree of protection               | IP65 conforming to IEC 60529                       |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

## Offer Sustainability

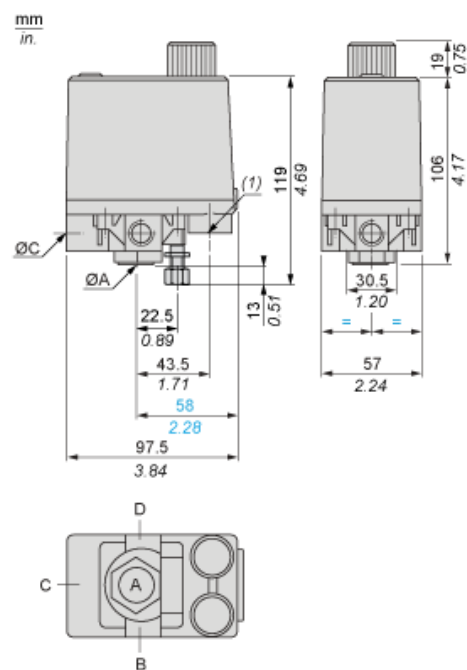
|                                            |                              |
|--------------------------------------------|------------------------------|
| Sustainable offer status                   | Green Premium product        |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

## Contractual warranty

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

## Dimensions

With Straight, Olive Connection, Decompression Valve



ØA = G 1/4

ØB =

ØC =

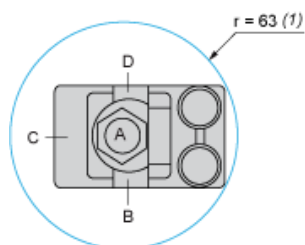
ØD =

(1) 2 tapped entries for Pg 13.5

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Minimum Mounting Clearance

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ØA = G 1/4 (female)

ØB =

ØC =

ØD =

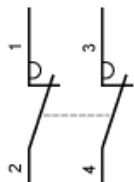
(1) Minimum clearance zone for screwing-on pressure switch at point A

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## Wiring Diagram

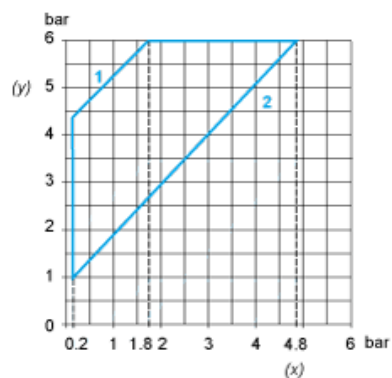
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### Terminal Connections

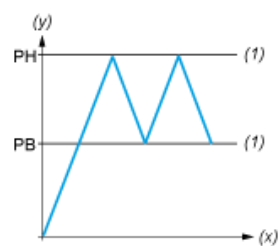


## Curves

### 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