

# XMPA06C2242

Pressure sensors XM, pressure sensor XMP, 6 bar, G 3/8 female, 3 NC, without control type



## 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             | 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 | 0.2...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                                                                                                       |
| 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 or IEC 255-7 category 3 |

|                               |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                       | Knurled knob and nut                                                                                                                                                                                                                                                                                                                                        |
| Net 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                             | IEC 60947-4-1<br>CE                                |
| 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               | IP54 conforming to IEC 60529                       |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 6.2 cm    |
| Package 1 Width              | 17.0 cm   |
| Package 1 Length             | 11.5 cm   |
| Package 1 Weight             | 521.0 g   |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 20        |
| Package 2 Height             | 30.0 cm   |
| Package 2 Width              | 30.0 cm   |
| Package 2 Length             | 40.0 cm   |
| Package 2 Weight             | 10.861 kg |

## Offer Sustainability

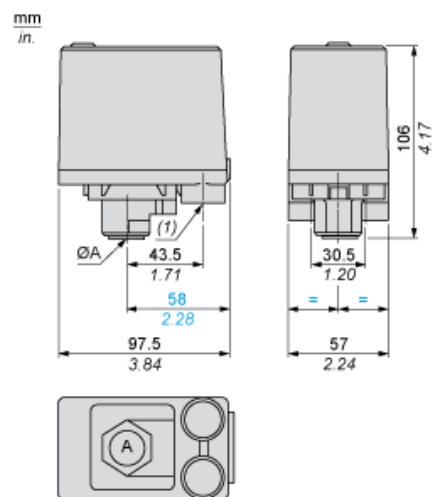
|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| Circularity Profile                        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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

## Dimensions

### Without Decompression Valve



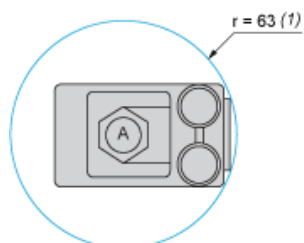
ØA = G 3/8

(1) 2 tapped entries for Pg 13.5

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### Minimum Mounting Clearance

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ØA = G 3/8

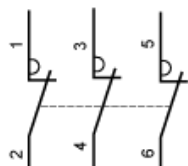
(1) Minimum clearance zone for screwing-on pressure switch at point A

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## Wiring Diagram

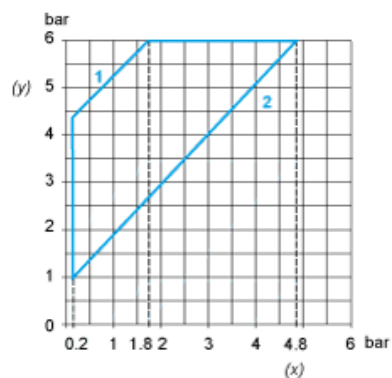
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### Terminal Connections



## 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