



## Main

|                                   |   |
|-----------------------------------|---|
| Range of product                  | Telemecanique Pressure sensors XM   |
| Pressure sensor type              | Electromechanical pressure sensor   |
| Pressure sensor name              | XMP   |
| Pressure rating                   | 12 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     | 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                             | Straight valve instant connection  |
| Control type  | ON/OFF knob  |
| Terminal block type                                     | 6 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 MΩ conforming to IEC 60255-7 category 3<br>25 MΩ 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 | (5-6)NC<br>(3-4)NC<br>(1-2)NC   |
| Depth                         | 98 mm   |
| Height                        | 138 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             | 6.200 cm  |
| Package 1 Width              | 11.400 cm |
| Package 1 Length             | 16.800 cm |
| Package 1 Weight             | 564.000 g |
| Unit Type of Package 2       | S06       |
| Number of Units in Package 2 | 50        |
| Package 2 Height             | 75.000 cm |
| Package 2 Width              | 60.000 cm |
| Package 2 Length             | 80.000 cm |
| Package 2 Weight             | 40.800 kg |

## Offer Sustainability

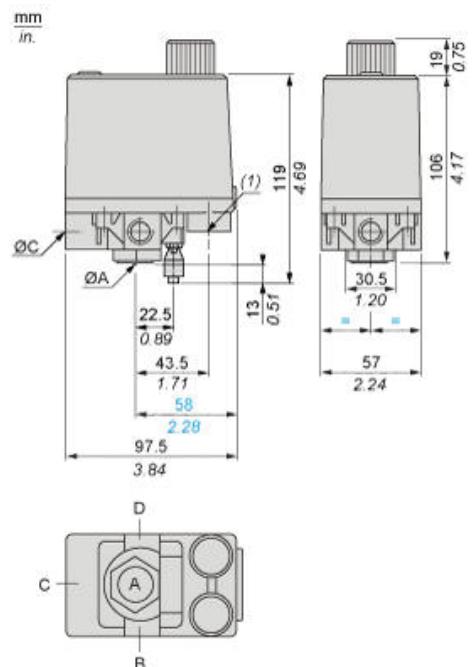
|  |   |
|--|---|
| Sustainable offer status                   | Green Premium product   |
| Circularity Profile                        | No need of specific recycling operations  |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisobutyl 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 | sustainability@tesensors.com  |

## Contractual warranty

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

## Dimensions

With Straight, Instant Connection, Decompression Valve



$$\emptyset A = G 1/4$$

$\emptyset A =$

$$\emptyset B =$$

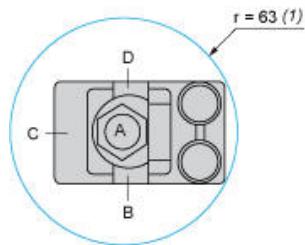
$\emptyset D =$

(1) 2 tapped entries for Pg 13.5

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Minimum Mounting Clearance

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$\varnothing A$  = G 1/4 (female)

$\varnothing B$  =

$\varnothing C$  =

$\varnothing D$  =

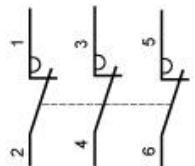
(1) Minimum clearance zone for screwing-on pressure switch at point A

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Wiring Diagram

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Terminal Connections

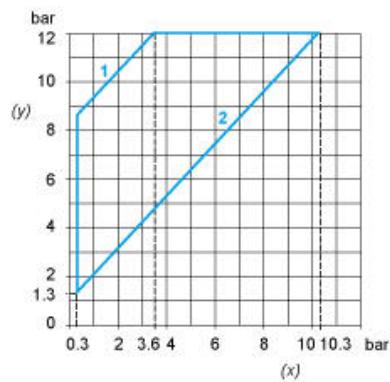


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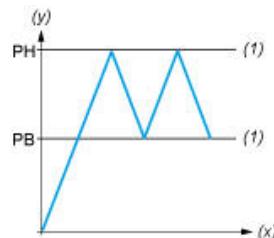
## Curves

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### 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