

# XMPA12B2141

Pressure sensors XM, pressure sensor XMP,  
12 bar, G 1/4 female, 2 NC, without control  
type



## Main

|                                   |                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| Range of Product                  | Telemecanique Pressure sensors XM                                                                          |
| Pressure sensor type              | Electromechanical pressure sensor                                                                          |
| Pressure sensor name              | XMP                                                                                                        |
| Pressure Rating                   | 174.05 psi (12 bar)                                                                                        |
| Fluid connection type             | G 1/4 (female) ISO 228                                                                                     |
| Controlled fluid                  | Air 32...158 °F (0...70 °C))<br>Fresh water 32...158 °F (0...70 °C))<br>Sea water 32...158 °F (0...70 °C)) |
| Cable entry                       | 2 entries incorporating Pg 13.5 plastic cable gland<br>0.35...0.51 in (9...13 mm) 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 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 | 4.35...149.39 psi (0.3...10.3 bar)                                                                                                                                                                                          |
| Adjustment range high setting                           | 18.85...174.05 psi (1.3...12 bar)                                                                                                                                                                                           |
| Possible differential minimum at low setting            | 14.50 psi (1 bar)                                                                                                                                                                                                           |
| Possible differential minimum at high setting           | 24.66 psi (1.7 bar)                                                                                                                                                                                                         |
| Possible differential maximum at high setting           | 121.83 psi (8.4 bar)                                                                                                                                                                                                        |
| Destruction pressure                                    | 435.11 psi (30 bar)                                                                                                                                                                                                         |
| Type of decompression valve                             | Without                                                                                                                                                                                                                     |
| Control Type                                            | Without                                                                                                                                                                                                                     |
| Terminal block type                                     | 4 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 EN/IEC 60947-1                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage                  | 6 kV EN/IEC 60947-1                                                                                                                                                                                                         |
| Maximum resistance across terminals                     | 25 MOhm IEC 60255-7 category 3<br>25 MOhm NF C 93-050 method A                                                                                                                                                              |
| Electrical durability                                   | 1000000 Cycles 1.5 kW 10 cyc/mn 0.4, 400 V AC 3 phase<br>500000 Cycles 3 kW 10 cyc/mn 0.4, 400 V AC 3 phase<br>600000 Cycles 1.5 kW 10 cyc/mn 0.4, 230 V AC 3 phase<br>700000 cycles 2.2 kW 10 cyc/mn 0.4, 400 V AC 3 phase |

|                               |                       |
|-------------------------------|-----------------------|
| Mechanical durability         | 1000000 cycles        |
| Setting                       | Nut                   |
| Net Weight                    | 0.95 lb(US) (0.43 kg) |
| Terminals description ISO n°1 | (3-4)NC<br>(1-2)NC    |
| Depth                         | 3.86 in (98 mm)       |
| Height                        | 4.17 in (106 mm)      |
| Width                         | 2.24 in (57 mm)       |

## Environment

|                                       |                                 |
|---------------------------------------|---------------------------------|
| Product Certifications                | EAC                             |
| Standards                             | EN/IEC 60947-4-1<br>CE          |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)      |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)      |
| Vibration resistance                  | 3 gn 10...500 Hz)IEC 60068-2-6  |
| Shock resistance                      | 50 gn IEC 60068-2-27            |
| Electrical shock protection class     | Class I IEC 60536               |
| IP degree of protection               | IP54 conforming to EN/IEC 60529 |

## Ordering and shipping details

|                   |                                         |
|-------------------|-----------------------------------------|
| Category          | 21536-9013 G COMMERCIAL PRESSURE SWITCH |
| Discount Schedule | CP7G                                    |
| GTIN              | 3389110707595                           |
| Returnability     | No                                      |
| Country of origin | CZ                                      |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 2.56 in (6.5 cm)         |
| Package 1 Width              | 6.69 in (17.0 cm)        |
| Package 1 Length             | 4.53 in (11.5 cm)        |
| Package 1 Weight             | 18.24 oz (517.0 g)       |
| Unit Type of Package 2       | S03                      |
| Number of Units in Package 2 | 20                       |
| Package 2 Height             | 11.81 in (30 cm)         |
| Package 2 Width              | 11.81 in (30 cm)         |
| Package 2 Length             | 15.75 in (40 cm)         |
| Package 2 Weight             | 23.75 lb(US) (10.773 kg) |
| Package 3 Height             | 30.31 in (77 cm)         |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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> |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                                                                                                                                                                                                                                                                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                 |

Contractual warranty

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

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