

# XMLA070D2C11

pressure switch XMLA 70 bar - fixed scale 1  
threshold - 1 C/O



## Main

|                                                         |                                                                                                                                                     |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product                                        | Telemecanique Pressure sensors XM                                                                                                                   |
| Product or Component Type                               | Electromechanical pressure sensor                                                                                                                   |
| Pressure sensor type                                    | Electromechanical pressure sensor                                                                                                                   |
| Device short name                                       | XMLA                                                                                                                                                |
| Pressure Rating                                         | 1015.26 psi (70 bar)                                                                                                                                |
| Controlled fluid                                        | Hydraulic oil 32...320 °F (0...160 °C))                                                                                                             |
| Fluid connection type                                   | G 1/4 (female) ISO 228                                                                                                                              |
| Electrical connection                                   | 1 male connector EN 175301-803-A (ex DIN43650), 4 pins                                                                                              |
| Contacts type and composition                           | 1 C/O                                                                                                                                               |
| Product Specific Application                            | -                                                                                                                                                   |
| Pressure switch type of operation                       | Detection of 1 single threshold                                                                                                                     |
| Electrical circuit type                                 | Control circuit                                                                                                                                     |
| Scale type                                              | Fixed differential                                                                                                                                  |
| Local display                                           | With                                                                                                                                                |
| Adjustable range of switching point on rising pressure  | 72.52...1015.26 psi (5...70 bar)                                                                                                                    |
| Adjustable range of switching point on falling pressure | 29.01...906.49 psi (2...62.5 bar)                                                                                                                   |
| Maximum permissible accidental pressure                 | 2320.60 psi (160 bar)                                                                                                                               |
| Destruction pressure                                    | 4641.21 psi (320 bar)                                                                                                                               |
| Pressure actuator                                       | Piston                                                                                                                                              |
| Materials in contact with fluid                         | FPM, FKM<br>PTFE<br>Steel<br>Brass                                                                                                                  |
| Enclosure Material                                      | Zinc alloy                                                                                                                                          |
| Line Rated Current                                      | 3 A, B300, AC-15 (Ue = 120 V)EN/IEC 60947-5-1<br>1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1<br>0.1 A, R300, DC-13 (Ue = 250 V)EN/IEC 60947-5-1 |

## Complementary

|                                          |                                                               |
|------------------------------------------|---------------------------------------------------------------|
| Natural differential at low setting      | 43.51 psi (3 bar) +/- 1 bar)                                  |
| Natural differential at high setting     | 108.78 psi (7.5 bar) +/- 1 bar)                               |
| Maximum permissible pressure - per cycle | 1305.34 psi (90 bar)                                          |
| Terminal block type                      | 4 terminals                                                   |
| Maximum operating rate                   | 60 cyc/mn                                                     |
| Repeat accuracy                          | 2 %                                                           |
| [Ui] rated insulation voltage            | 300 V UL 508<br>500 V EN/IEC 60947-1<br>300 V CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage   | 6 kV EN/IEC 60947-1                                           |
| Auxiliary contacts operation             | Snap action                                                   |
| Contacts material                        | Silver contacts                                               |

|                                     |                                                              |
|-------------------------------------|--------------------------------------------------------------|
| Maximum resistance across terminals | 25 MOhm IEC 255-7 category 3<br>25 mOhm NF C 93-050 method A |
| Short-circuit protection            | 10 A cartridge fuse gG (gl)                                  |
| Mechanical durability               | 6000000 cycles                                               |
| Setting                             | External                                                     |
| Height                              | 4.45 in (113 mm)                                             |
| Depth                               | 2.95 in (75 mm)                                              |
| Width                               | 1.38 in (35 mm)                                              |
| Net Weight                          | 1.60 lb(US) (0.725 kg)                                       |

## Environment

|                                       |                                                                     |
|---------------------------------------|---------------------------------------------------------------------|
| Standards                             | CE<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>UL 508                 |
| Product Certifications                | CCC<br>EAC<br>LROS (Lloyds register of shipping)<br>UL<br>CSA<br>BV |
| Protective treatment                  | TC standard version                                                 |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)                                          |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                          |
| Operating position                    | Any position                                                        |
| Vibration resistance                  | 4 gn 30...500 Hz)IEC 60068-2-6                                      |
| Shock resistance                      | 50 gn IEC 60068-2-27                                                |
| Electrical shock protection class     | Class I IEC 1140<br>Class I IEC 536<br>Class I NF C 20-030          |
| IP degree of protection               | IP65 conforming to EN/IEC 60529                                     |

## Ordering and shipping details

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22661-XMLA,B,C,D PRESSURE SWITCHES |
| Discount Schedule     | DS2                                |
| GTIN                  | 3389110712032                      |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 27.72 oz (786.0 g)                 |
| Returnability         | No                                 |
| Country of origin     | CZ                                 |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Package 1 Height             | 1.50 in (3.8 cm)         |
| Package 1 width              | 4.49 in (11.4 cm)        |
| Package 1 Length             | 4.33 in (11 cm)          |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 13                       |
| Package 2 Weight             | 23.05 lb(US) (10.456 kg) |
| Package 2 Height             | 5.91 in (15 cm)          |
| Package 2 width              | 11.81 in (30 cm)         |
| Package 2 Length             | 15.75 in (40 cm)         |

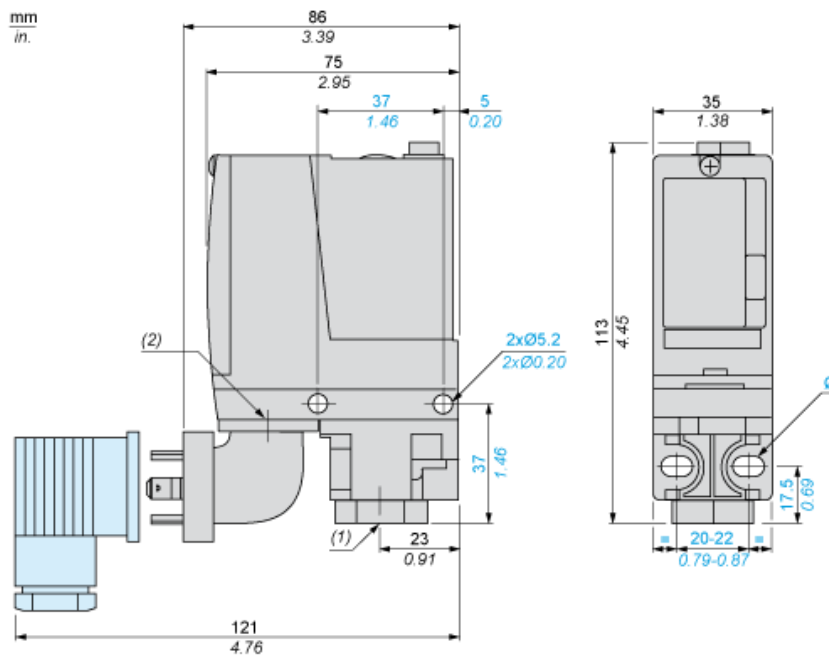
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|----------|-----------|

## Dimensions



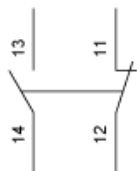
- (1) 1 fluid entry, tapped G1/4 (BSP female)  
(2) EN 175301-803-A connector  
Ø: 2 elongated holes Ø 5.2 x 6.7

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## Wiring Diagram

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### Terminal Model

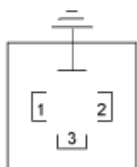


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## Wiring Diagram

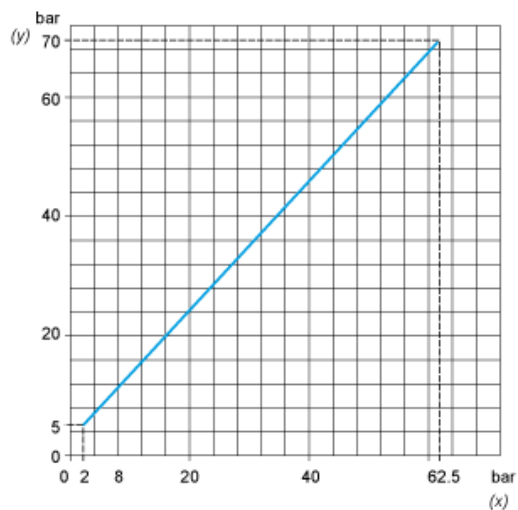
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### Vacuum Switch Connector Pin View

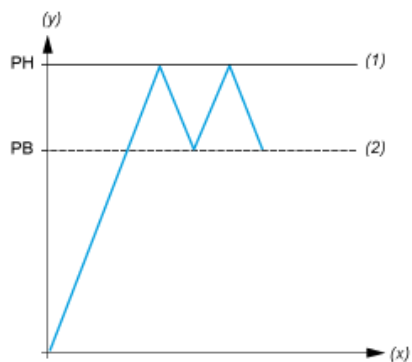


- (1) 11 and 13
- (2) 12
- (3) 14

## Operating Curves



(y) Rising pressure  
(x) Falling pressure



(y) Pressure  
(x) Time  
(1) Adjustable value  
(2) Non adjustable value  
PH : High point  
PB : Below point