

# XMLA020A2S13

pressure switch XMLA 20 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                                         | 290.08 psi (20 bar)                                                                                                                        |
| Controlled fluid                                        | Air 32...158 °F (0...70 °C))<br>Fresh water 32...158 °F (0...70 °C))<br>Hydraulic oil 32...158 °F (0...70 °C))                             |
| Fluid connection type                                   | 1/4" - 18 NPTF (female)                                                                                                                    |
| Electrical connection                                   | Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm²                                                                                              |
| AWG Gauge                                               | AWG 20...AWG 14                                                                                                                            |
| Cable entry                                             | Cable gland 0.3...0.5 in (7...13 mm)                                                                                                       |
| 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  | 14.5...290.08 psi (1...20 bar)                                                                                                             |
| Adjustable range of switching point on falling pressure | 8.7...275.6 psi (0.6...19 bar)                                                                                                             |
| Maximum permissible accidental pressure                 | 652.7 psi (45 bar)                                                                                                                         |
| Destruction pressure                                    | 1305.3 psi (90 bar)                                                                                                                        |
| Pressure actuator                                       | Diaphragm                                                                                                                                  |
| Materials in contact with fluid                         | Zinc alloy<br>Nitrile<br>Brass                                                                                                             |
| Enclosure Material                                      | Zinc alloy                                                                                                                                 |
| Line Rated Current                                      | 3 A, B300, AC-15 (Ue = 120 V)IEC 60947-5-1<br>1.5 A, B300, AC-15 (Ue = 240 V)IEC 60947-5-1<br>0.1 A, R300, DC-13 (Ue = 250 V)IEC 60947-5-1 |

## Complementary

|                                          |                                                            |
|------------------------------------------|------------------------------------------------------------|
| Natural differential at low setting      | 5.8 psi (0.4 bar) +/- 0.2 bar)                             |
| Natural differential at high setting     | 14.5 psi (1 bar) +/- 0.1 bar)                              |
| Maximum permissible pressure - per cycle | 362.6 psi (25 bar)                                         |
| Terminal block type                      | 4 terminals                                                |
| Maximum operating rate                   | 120 cyc/mn                                                 |
| Repeat accuracy                          | 2 %                                                        |
| [Ui] rated insulation voltage            | 300 V UL 508<br>500 V IEC 60947-1<br>300 V CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage   | 6 kV 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               | 5000000 cycles                                               |
| Setting                             | External                                                     |
| Height                              | 4.4 in (113 mm)                                              |
| Depth                               | 3.0 in (75 mm)                                               |
| Width                               | 1.4 in (35 mm)                                               |
| Net Weight                          | 1.510 lb(US) (0.685 kg)                                      |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | UL 508<br>CSA C22.2 No 14<br>CE<br>IEC 60947-5-1                                 |
| Product Certifications                | LROS (Lloyds register of shipping)<br>[RETURN]UL[RETURN]CCC[RETURN]BV[RETURN]CSA |
| 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               | IP66 conforming to IEC 60529                                                     |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10DS222661  |
| Discount Schedule | 0DS2          |
| GTIN              | 3389110749465 |
| Returnability     | Yes           |
| Country of origin | CZ            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 1.65 in (4.200 cm)       |
| Package 1 Width              | 4.80 in (12.200 cm)      |
| Package 1 Length             | 3.35 in (8.500 cm)       |
| Package 1 Weight             | 24.617 oz (697.900 g)    |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 13                       |
| Package 2 Height             | 5.91 in (15.000 cm)      |
| Package 2 Width              | 11.81 in (30.000 cm)     |
| Package 2 Length             | 15.75 in (40.000 cm)     |
| Package 2 Weight             | 20.851 lb(US) (9.458 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCIP Number                | 47484f97-226a-4502-ad58-cdc11f3aaabe                                                                                                                                                                                                                                                                                                                                              |
| 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> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                                        |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                                                                             |
| Circularity Profile        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |

## Contractual warranty

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