



## Main

|                                                         |                                                                                                                                                                                                  |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product                                        | OsiSense XM                                                                                                                                                                                      |
| Product or component type                               | Electromechanical pressure sensor                                                                                                                                                                |
| Pressure sensor type                                    | Electromechanical pressure sensor                                                                                                                                                                |
| Device short name                                       | XMLA                                                                                                                                                                                             |
| Pressure sensor size                                    | 2320.6 psi (160 bar)                                                                                                                                                                             |
| Controlled fluid                                        | Fresh water (32...320 °F (0...160 °C))                                                                                                                                                           |
| Fluid connection type                                   | G 1/4 (female) conforming to ISO 228                                                                                                                                                             |
| Electrical connection                                   | Screw-clamps terminals 1 x 0.5...2 x 2.5 mm <sup>2</sup><br>1 connector Pg 13                                                                                                                    |
| AWG gauge                                               | AWG 20...AWG 14                                                                                                                                                                                  |
| Cable entry                                             | Cable gland 9...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  | 145.04...2320.6 psi (10...160 bar)                                                                                                                                                               |
| Adjustable range of switching point on falling pressure | 65.27...2059.54 psi (4.5...142 bar)                                                                                                                                                              |
| Maximum permissible accidental pressure                 | 5221.36 psi (360 bar)                                                                                                                                                                            |
| Destruction pressure                                    | 10442.72 psi (720 bar)                                                                                                                                                                           |
| Pressure actuator                                       | Piston                                                                                                                                                                                           |
| Materials in contact with fluid                         | Brass<br>FPM, FKM<br>PTFE<br>316L stainless steel                                                                                                                                                |
| Enclosure material                                      | Zinc alloy                                                                                                                                                                                       |
| [In] rated current                                      | 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/IEC 60947-5-1<br>1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1<br>0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Complementary

|                                          |                                                                                                         |
|------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Natural differential at low setting      | 79.77 psi (5.5 bar) (+/- 1 bar)                                                                         |
| Natural differential at high setting     | 261.07 psi (18 bar) (+/- 3 bar)                                                                         |
| Maximum permissible pressure - per cycle | 2900.75 psi (200 bar)                                                                                   |
| Terminal block type                      | 4 terminals                                                                                             |
| Operating rate                           | 60 cyc/mn at 0...70 °C                                                                                  |
| Repeat accuracy                          | < 2 %                                                                                                   |
| [Ui] rated insulation voltage            | 300 V conforming to CSA C22.2 No 14<br>500 V conforming to EN/IEC 60947-1<br>300 V conforming to UL 508 |
| [Uimp] rated impulse withstand voltage   | 6 kV conforming to EN/IEC 60947-1                                                                       |
| Auxiliary contacts operation             | Snap action                                                                                             |
| Contacts material                        | Silver contacts                                                                                         |
| Resistance across terminals              | < 25 mOhm conforming to IEC 255-7 category 3<br>< 25 mOhm conforming to NF C 93-050 method A            |
| Short-circuit protection                 | 10 A cartridge fuse type gG (gl)                                                                        |
| Mechanical durability                    | 6000000 cycles                                                                                          |
| Setting                                  | External                                                                                                |
| Terminals description ISO n°1            | (13-14-11-12)OF                                                                                         |
| Height                                   | 4.45 in (113 mm)                                                                                        |
| Depth                                    | 2.95 in (75 mm)                                                                                         |
| Width                                    | 1.38 in (35 mm)                                                                                         |
| Product weight                           | 1.65 lb(US) (0.75 kg)                                                                                   |
| Controlled fluid                         | Fresh water                                                                                             |
| Temperature of controlled fluid          | 0...160 °C                                                                                              |

## Environment

|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| Standards                             | CE<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14                                                  |
| Product certifications                | BV<br>CCC<br>CSA<br>LROS (Lloyds register of shipping)<br>UL<br>EAC                                  |
| 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 (f = 30...500 Hz) conforming to IEC 60068-2-6                                                   |
| Shock resistance                      | 50 gn conforming to IEC 60068-2-27                                                                   |
| Electrical shock protection class     | Class I conforming to IEC 1140<br>Class I conforming to IEC 536<br>Class I conforming to NF C 20-030 |
| IP degree of protection               | IP66 conforming to EN/IEC 60529                                                                      |

## Ordering and shipping details

|                       |                                      |
|-----------------------|--------------------------------------|
| Category              | 22661 - XMLA,B,C,D PRESSURE SWITCHES |
| Discount Schedule     | DS2                                  |
| GTIN                  | 003389110712186                      |
| Nbr. of units in pkg. | 1                                    |
| Package weight(Lbs)   | 1.6300000000000001                   |

|                   |    |
|-------------------|----|
| Returnability     | N  |
| Country of origin | CZ |

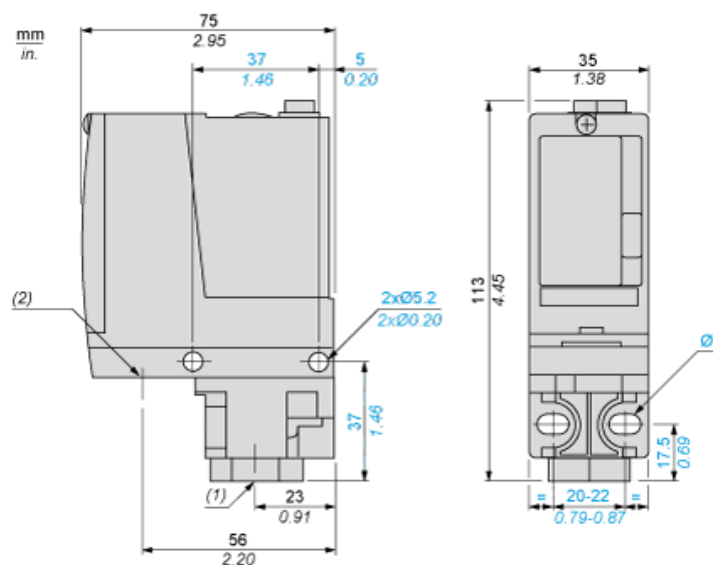
### Offer Sustainability

|                                  |                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW)           | Compliant - since 0928 - Schneider Electric declaration of conformity<br> <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                                                                                                  |
| Product end of life instructions | Need no specific recycling operations                                                                                                                                                                                   |

### Contractual warranty

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

## Dimensions

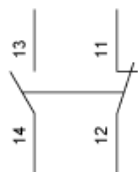


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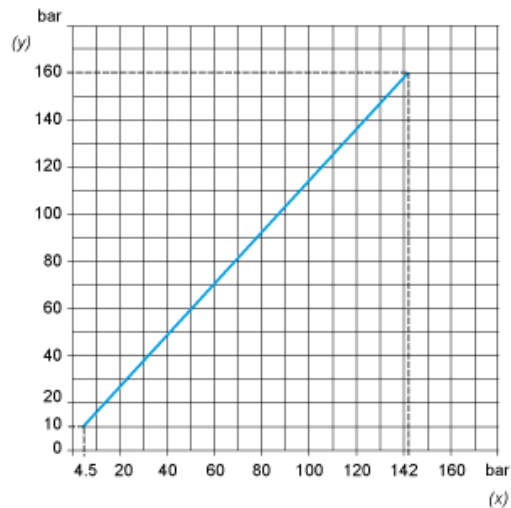
## Wiring Diagram

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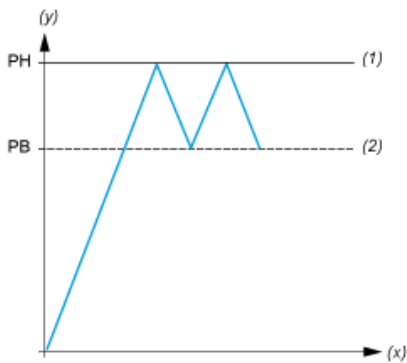
## Terminal Model



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