



## Main

|                           |                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | OsiSense XM                                                                                                                      |
| Product or component type | Electronic pressure sensors                                                                                                      |
| Pressure sensor type      | Pressure transmitter                                                                                                             |
| Pressure sensor name      | XMLP                                                                                                                             |
| Electrical circuit type   | Control circuit                                                                                                                  |
| Pressure sensor size      | 16 bar                                                                                                                           |
| Local display             | Without                                                                                                                          |
| Controlled fluid          | Air -20...120 °C<br>Fresh water 0...120 °C<br>Hydraulic oil -20...120 °C<br>Gas -20...120 °C<br>Refrigeration fluid -20...120 °C |
| Fluid connection type     | G 1/4A (male) conforming to DIN 3852-E                                                                                           |
| Electrical connection     | 1 male connector EN 175301-803-A (ex DIN43650) 3 pins                                                                            |
| [Us] rated supply voltage | 24 V DC SELV, voltage limits: 14...30 V                                                                                          |
| Current consumption       | < 10 mA                                                                                                                          |
| Type of output signal     | Analogue                                                                                                                         |
| Analogue output function  | 0...10 V, 3-wire                                                                                                                 |
| Quantity per set          | Set of 1                                                                                                                         |
| Type of packing           | Individual                                                                                                                       |

## Complementary

|                                         |                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Pressure setting range                  | 0...16 bar                                                                                                      |
| Maximum permissible accidental pressure | 32 bar                                                                                                          |
| Destruction pressure                    | 160 bar                                                                                                         |
| Materials in contact with fluid         | Fluorocarbon FKM (Viton)<br>Stainless steel type AISI 304<br>Stainless steel type 17-4PH                        |
| Operating position                      | Any position                                                                                                    |
| Protection type                         | Load short-circuit<br>Reverse polarity                                                                          |
| Electromagnetic compatibility           | Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz) |

Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV  
 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 500 V 12 Ohm, 1 kV 42 Ohm  
 Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz)  
 Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact

|                                        |                                  |
|----------------------------------------|----------------------------------|
| [Uimp] rated impulse withstand voltage | 0.5 kV                           |
| Response time on output                | < 5 ms for 92 % of full scale    |
| Measurement accuracy                   | +/- 0.5 % of the measuring range |
| Accuracy                               | Infinity                         |
| Drift of the sensitivity               | +/- 0.02 % of measuring range/°K |
| Drift of the zero point                | +/- 0.02 % of measuring range/°K |
| Repeat accuracy                        | +/- 0.2 % of the measuring range |
| Mechanical durability                  | >= 10000000 cycles               |
| Product weight                         | 0.05 kg                          |
| Diameter                               | 30 mm                            |
| Length                                 | 25 mm                            |
| Scale type                             | Fixed differential               |

## Environment

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Standards                             | CE<br>EN/IEC 61326-1                                     |
| Product certifications                | CULus<br>RCM<br>EAC                                      |
| Protective treatment                  | TC                                                       |
| Ambient air temperature for operation | -30...100 °C                                             |
| Ambient air temperature for storage   | -30...100 °C                                             |
| Vibration resistance                  | 20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-64 |
| Shock resistance                      | 25 gn for 11 ms conforming to EN/IEC 60068-2-27          |
| IP degree of protection               | IP65 conforming to EN/IEC 60529                          |

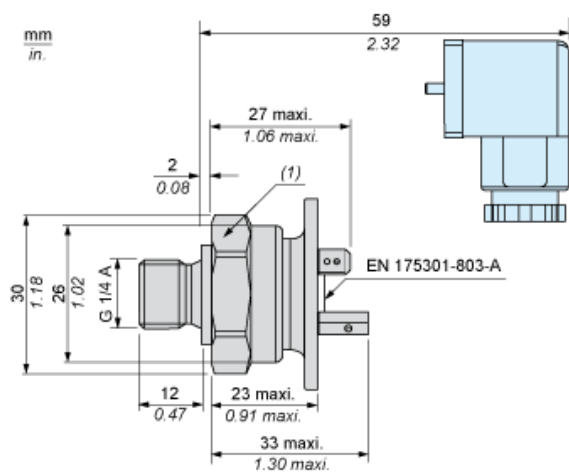
## Offer Sustainability

|                          |                                                                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Not Green Premium product                                                                                                                                                                                                 |
| RoHS (date code: YYWW)   | Compliant - since 1136 - Schneider Electric declaration of conformity<br><a href="#"> Schneider Electric declaration of conformity</a> |

## Contractual warranty

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

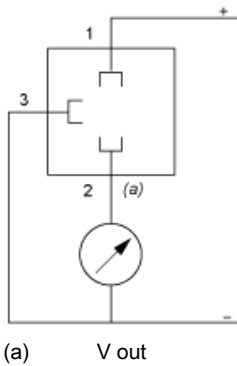
## Dimensions



(1) SW27 Tightening torque  $\leq 25$  Nm / 221 Lb-in

Wiring Diagram

3-Wire Technique (0-10 V)



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Curves

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