



### Main

|   |  |
|---|--|
| Range of product  | OsiSense XM  |
| Product or component type                               | Electronic pressure sensors  |
| Pressure sensor type                                    | Electronic vacuum-pressure sensor  |
| Pressure sensor size                                    | 1 bar  |
| Pressure sensor name                                    | XMLE   |
| Controlled fluid  | Fresh water (0...80 °C)<br>Hydraulic oil (-15...80 °C)<br>Corrosive fluid (-15...80 °C)<br>Air (-15...80 °C) |
| Fluid connection type                                   | G 1/4A (male) conforming to ISO 228  |
| Type of output signal                                   | Discrete   |
| Discrete output type                                    | Solid state PNP, 1 NC  |
| Electrical connection                                   | Male connector M12   |
| Adjustable range of switching point on rising pressure  | 0.07...1 bar   |
| Adjustable range of switching point on falling pressure | 0.05...0.98 bar  |
| [Us] rated supply voltage                               | 24 V DC, voltage limits: 11...33 V   |
| Diameter  | 40 mm  |

### Complementary

|   |  |
|---|--|
| Enclosure material                            | Anodised aluminium                                       |
| Type of installation                          | Control circuit  |
| Operating position                            | Any position   |
| Materials in contact with fluid               | Stainless steel type AISI 303                            |
| Pressure switch type of operation             | Regulation between 2 thresholds                          |
| Possible differential minimum at low setting  | 0.02 bar   |
| Possible differential maximum at high setting | 0.02 bar   |
| Maximum permissible accidental pressure       | 2 bar  |
| Maximum permissible pressure - per cycle      | 1 bar  |
| Destruction pressure                          | 3 bar  |
| Drift of the sensitivity                      | +/- 0.015 % of measuring range/°C                        |
| Drift of the zero point                       | +/- 0.03 % of measuring range/°C                         |
| Protection type                               | Overload protection<br>Reverse polarity<br>Short-circuit |
| Scale type                                    | Adjustable differential                                  |
| Local display                                 | Without  |
| Current consumption                           | < 15 mA  |
| Mechanical durability                         | >= 10000000 cycles                                       |
| Response time on output                       | < 5 ms   |
| Measurement accuracy                          | +/- 0.3 % of the measuring range                         |
| Product weight                                | 0.3 kg   |

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## Environment

|                                       |  |
|---------------------------------------|--|
| IP degree of protection               | IP65   |
| Vibration resistance                  | 5 gn (f = 25...200 Hz)<br>35 gn (f = 60...2000 Hz) |
| Protective treatment                  | TC   |
| Shock resistance                      | 50 gn  |
| Standards                             | CE<br>EN 50081<br>EN 50082                         |
| Product certifications                | CSA<br>UL  |
| Ambient air temperature for operation | -15...80 °C  |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0627 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold                                     |

Dimensions



$\varnothing$  : G 1/4 (male)

Dimensions in mm

|    |
|----|
| a  |
| 65 |

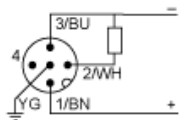
Dimensions in in.

|      |
|------|
| a    |
| 2.56 |

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Wiring Diagram

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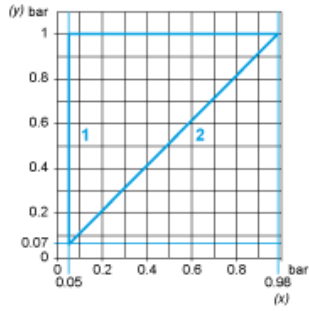


(BU) Blue  
(BN) Brown  
(WH) White  
(YG) Yellow Green

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Operating Curves

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- 1 : Maximum differential
- 2 : Minimum differential
- (y) Rising pressure
- (x) Falling pressure