



### Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XX                                   |
| Sensor type                   | Ultrasonic sensor                             |
| Series name                   | General purpose                               |
| Sensor name                   | XX2   |
| Sensor design                 | Cylindrical M30                               |
| Detection system              | Diffuse                                       |
| [Sn] nominal sensing distance | 8 m adjustable with teach push-button         |
| Material                      | Plastic                                       |
| Type of output signal         | Discrete                                      |
| Discrete output function      | 2 NO  |
| Wiring technique              | 4-wire  |
| Discrete output type          | PNP   |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection |
| Electrical connection         | Male connector M12 4 pins                     |
| Product specific application  | For 2 levels monitoring                       |
| [Sd] sensing range            | 0.3...8 m                                     |
| Beam angle                    | 16 °  |
| IP degree of protection       | IP67 conforming to IEC 60529                  |

### Complementary

|                                 |                              |
|---------------------------------|------------------------------|
| Enclosure material              | ULTEM                        |
| Front material                  | Silicone                     |
| Thread type                     | M30 x 1.5                    |
| Supply voltage limits           | 10...28 V DC                 |
| Function available              | Without synchronisation mode |
| [Sa] assured operating distance | 0.3...8 m (teach mode)       |
| Maximum differential travel     | 12.7 mm                      |
| Blind zone                      | 0...300 mm                   |
| Transmission frequency          | 75 kHz                       |
| Repeat accuracy                 | 2.54 %                       |

|   |   |
|---|---|
| Deviation angle from 90° of object to be detected | -5...5 °  |
| Minimum size of detected object                   | Cylinder diameter 50.8 mm at 4.732 m  |
| Status LED  | 1 LED (green/red (flashing)) for output state<br>1 LED (green/red (flashing)) for setting-up assistance<br>1 LED (yellow) for distance indication |
| Current consumption                               | 100 mA  |
| Maximum switching current                         | 100 mA with overload and short-circuit protection   |
| Voltage drop                                      | < 1 V   |
| Delay first up                                    | 1000 ms   |
| Delay response                                    | 150 ms  |
| Delay recovery                                    | 1000 ms   |
| Marking   | CE  |
| Threaded length                                   | 64.3 mm   |
| Height  | 44 mm   |
| Width   | 44 mm   |
| Depth   | 118 mm  |
| Product weight                                    | 0.11 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-5-2  |
| Product certifications                | CCSAus<br>UL   |
| Ambient air temperature for operation | -20...60 °C  |
| Ambient air temperature for storage   | -10...80 °C  |
| Vibration resistance                  | +/-1 mm conforming to IEC 60068-2-6 10...55 Hz             |
| Shock resistance                      | 30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 kV level 4 conforming to IEC 61000-4-2                   |
| Resistance to electromagnetic fields  | 10 V/m level 3 conforming to IEC 61000-4-3                 |
| Resistance to fast transients         | 1 kV level 3 conforming to IEC 61000-4-4                   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| RoHS (date code: YYWW)           | Compliant - since 1140 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference contains SVHC above the threshold - Go to CaP for more details<br><a href="#">Go to CaP for more details</a>                |
| Product end of life instructions | Available<br><a href="#">End of Life Information</a>  |

## Contractual warranty

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