

Product availability: Non-Stock - Not normally stocked in distribution facility



### Main

|                              |   |
|------------------------------|---|
| Range of product             | OsiSense XX                                   |
| Sensor type                  | Ultrasonic sensor                             |
| Sensor name                  | XX7   |
| Material                     | Valox   |
| Sensor design                | Flat form + cylindrical M18                   |
| Product specific application | Optimum and universal                         |
| Type of output signal        | Discrete                                      |
| Wiring technique             | 4 wires                                       |
| [Us] rated supply voltage    | 12...24 V DC with reverse polarity protection |
| Discrete output function     | 1 NC  |
| Discrete output type         | PNP   |
| Electrical connection        | 1 male connector M12, 4 pins                  |
| [Sd] sensing range           | 2...20 in (50.8...508 mm)                     |
| Beam angle                   | 5 °   |
| IP degree of protection      | IP67 conforming to IEC 60529                  |

### Complementary

|   |  |
|---|--|
| Enclosure material                                | ULTEM  |
| Front material                                    | Glass epoxy  |
| ISO thread  | M18 x 1  |
| Supply voltage limits                             | 10...28 V DC   |
| [Sn] nominal sensing distance                     | 20 in (508 mm)   |
| Type of sensing window                            | Fixed  |
| [Sa] assured operating distance                   | 2.01...20 in (51...508 mm) (teach mode)  |
| Maximum differential travel                       | <= 0.1 in (2.5 mm)   |
| Blind zone  | 2.01 in (51 mm)  |
| Transmission frequency                            | 300 kHz  |
| Repeat accuracy                                   | 1.27 %   |
| Deviation angle from 90° of object to be detected | -10...10 °   |
| Minimum size of detected object                   | Cylinder diameter 2.5 mm up to 254 mm sensing distance                                       |
| Status LED  | 2 LEDs (green/yellow (flashing)) setting-up assistance<br>2 LEDs (green/yellow) output state |
| Current consumption                               | 40 mA  |
| Maximum switching current                         | 100 mA with overload and short-circuit protection  |
| Voltage drop                                      | <= 1 V   |
| Switching frequency                               | 40 Hz  |
| Delay first up                                    | 100 ms   |
| Delay response                                    | 15 ms  |
| Delay recovery                                    | 1000 ms  |
| Marking   | CE   |
| Height  | 1.72 in (43.7 mm)  |
| Width   | 0.71 in (18 mm)  |
| Depth   | 1.72 in (43.7 mm)  |
| Length  | 2.35 in (59.69 mm)   |
| CAD overall height                                | 2.58 in (65.61 mm)   |
| CAD overall width                                 | 0.71 in (18 mm)  |

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|                   |                        |
|-------------------|------------------------|
| CAD overall depth | 0.71 in (18 mm)        |
| Product weight    | 0.07 lb(US) (0.033 kg) |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-5-2  |
| Product certifications                | UL   |
| NEMA degree of protection             | NEMA 4X indoor use only                                  |
| Ambient air temperature for operation | -22...158 °F (-30...70 °C)                               |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C)                               |
| Vibration resistance                  | +/-1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6     |
| Shock resistance                      | 30 gn 11 ms (in all 3 axes) conforming to IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 kV, level 4 conforming to IEC 61000-4-2                |
| Resistance to electromagnetic fields  | 9.14 V/yd (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                |

## Ordering and shipping details

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule     | DS2                                |
| GTIN                  | 003389119129756                    |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 0.800000000000000004               |
| Returnability         | N                                  |
| Country of origin     | US                                 |

## Offer Sustainability

|                           |   |
|---------------------------|---|
| RoHS (date code: YYWW)    | Will not be compliant   |
| California proposition 65 | WARNING: This product can expose you to chemicals including:  |
| ----- Substance 1         | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                               |
| ----- Substance 2         | Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| ----- More information    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                             |

## Contractual warranty

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

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