

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



### Main

|                               |  |
|-------------------------------|--|
| Commercial Status             | Commercialised                                 |
| 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 | 6.56 ft (2 m) adjustable with teach pushbutton |
| 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            | 0.39...6.56 ft (0.12...2 m)                    |
| Beam angle                    | 10 °   |
| IP degree of protection       | IP65 conforming to IEC 60529                   |

### Complementary

|   |   |
|---|---|
| Enclosure material                                | ULTEM   |
| Front material                                    | Silicone  |
| ISO thread  | M30 x 1.5   |
| Supply voltage limits                             | 10...28 V DC  |
| [Sa] assured operating distance                   | 0.39...6.56 ft (0.12...2 m) (teach mode)  |
| Maximum differential travel                       | 0.1 in (2.5 mm)   |
| Blind zone  | 0...4.72 in (0...120 mm)  |
| Transmission frequency                            | 200 kHz   |
| Repeat accuracy                                   | 0.9 %   |
| Deviation angle from 90° of object to be detected | -10...10 °  |
| Minimum size of detected object                   | Cylinder diameter 1.6 mm up to 635 mm sensing distance  |
| Status LED  | 1 LED (yellow) for distance indication<br>1 LED (green/red (flashing)) for setting-up assistance<br>1 LED (green/red (flashing)) for output state |
| 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                                   | 1.77 in (45 mm)   |
| Height  | 1.38 in (35 mm)   |
| Width   | 1.38 in (35 mm)   |

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|                |                       |
|----------------|-----------------------|
| Depth          | 3.35 in (85 mm)       |
| Product weight | 0.2 lb(US) (0.091 kg) |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-5-2  |
| Ambient air temperature for operation | 32...122 °F (0...50 °C)                                    |
| Ambient air temperature for storage   | 14...176 °F (-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  | 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                  | 003389119128971   |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.50  |
| Product availability  | Non-Stock - Not normally stocked in distribution facility |
| Returnability         | Y   |
| Country of origin     | US  |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

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