



Product availability: Stock - Normally stocked in distribution facility



## Main

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Commercial Status             | Commercialised                                          |
| Range of product              | OsiSense XX                                             |
| Sensor type                   | Ultrasonic sensor                                       |
| Series name                   | General purpose                                         |
| Sensor name                   | XX7                                                     |
| Sensor design                 | Flat form 18 x 33 x 60 + cylindrical M18                |
| Detection system              | Diffuse                                                 |
| [Sn] nominal sensing distance | 1.64 ft (0.5 m) adjustable with remote teach pushbutton |
| Material                      | Plastic                                                 |
| Type of output signal         | Discrete                                                |
| Discrete output function      | 1 NO                                                    |
| Wiring technique              | 3-wire                                                  |
| Discrete output type          | PNP                                                     |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection           |
| Electrical connection         | Male connector M12 4 pins                               |
| [Sd] sensing range            | 0.17...1.67 ft (0.051...0.508 m)                        |
| Beam angle                    | 12 °                                                    |
| IP degree of protection       | IP67 conforming to IEC 60529                            |

## Complementary

|                                 |                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------|
| Enclosure material              | Valox                                                                                                      |
| Front material                  | Epoxy                                                                                                      |
| Supply voltage limits           | 10...28 V DC                                                                                               |
| [Sa] assured operating distance | 0.17...1.67 ft (0.051...0.508 m) (teach mode)                                                              |
| Maximum differential travel     | 0.1 in (2.5 mm)                                                                                            |
| Blind zone                      | 0...2.01 in (0...51 mm)                                                                                    |
| Transmission frequency          | 300 kHz                                                                                                    |
| Repeat accuracy                 | 1.27 %                                                                                                     |
| Minimum size of detected object | Flat bar 1 mm wide up to 150 mm sensing distance<br>Cylinder diameter 2.5 mm up to 150 mm sensing distance |
| Status LED                      | 1 LED (yellow) for output state<br>1 LED (green) for supply on                                             |
| Current consumption             | 40 mA                                                                                                      |
| Maximum switching current       | 100 mA                                                                                                     |
| Voltage drop                    | < 1 V                                                                                                      |
| Switching frequency             | <= 40 Hz                                                                                                   |
| Delay first up                  | 100 ms                                                                                                     |
| Delay response                  | 10 ms                                                                                                      |
| Delay recovery                  | 10 ms                                                                                                      |
| Marking                         | CE                                                                                                         |
| Height                          | 1.73 in (44 mm)                                                                                            |
| Width                           | 0.71 in (18 mm)                                                                                            |
| Depth                           | 2.36 in (60 mm)                                                                                            |
| Product weight                  | 0.13 lb(US) (0.06 kg)                                                                                      |

## Environment

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Standards                             | IEC 60947-5-2                                              |
| Ambient air temperature for operation | -4...149 °F (-20...65 °C)                                  |
| Ambient air temperature for storage   | -40...176 °F (-40...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/d (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                  | 00785901684176                                    |
| Nbr. of units in pkg. | 1                                                 |
| Package weight(Lbs)   | 0.14                                              |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y                                                 |
| Country of origin     | US                                                |

## Offer Sustainability

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                    |
| RoHS                             | Compliant - since 1140 - <a href="#">Schneider Electric declaration of conformity</a>    |
| REACH                            | Reference contains SVHC above the threshold - <a href="#">go to CaP for more details</a> |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                                 |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                    |

## Contractual warranty

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