



## Main

|                               |                             |
|-------------------------------|-----------------------------|
| Range of product              | OsiSense XU                 |
| Series name                   | General purpose             |
| Electronic sensor type        | Photo-electric sensor       |
| Sensor name                   | XUVR                        |
| Sensor design                 | Fork                        |
| Detection system              | Thru beam                   |
| Emission                      | Red LED, modulated          |
| Passage width                 | 1.18 in (30 mm)             |
| Passage depth                 | 1.18 in (30 mm)             |
| Material                      | Metal/plastic               |
| Supply circuit type           | DC                          |
| Wiring technique              | 3-wire                      |
| Discrete output type          | PNP                         |
| Discrete output function      | 1 NO                        |
| Electrical connection         | Cable                       |
| Cable length                  | 6.56 ft (2 m)               |
| Product specific application  | Detection on small conveyor |
| [Sn] nominal sensing distance | 1.18 in (30 mm)             |

## Complementary

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Enclosure material        | Painted aluminium and polyamide/glass         |
| Spot diameter             | 0.8 mm                                        |
| Type of output signal     | Discrete                                      |
| Output type               | Solid state                                   |
| Wire insulation material  | PvR                                           |
| Status LED                | Output state: 1 LED (yellow)                  |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection      |
| Supply voltage limits     | 10...30 V DC                                  |
| Switching capacity in mA  | 100 mA overload and short-circuit protection) |
| Switching frequency       | 4000 Hz                                       |

|                      |                       |
|----------------------|-----------------------|
| Maximum voltage drop | <1.5 V closed state)  |
| Current consumption  | < 20 mA no-load       |
| Net weight           | 0.42 lb(US) (0.19 kg) |

## Environment

|                                       |                                                       |
|---------------------------------------|-------------------------------------------------------|
| Product certifications                | CE<br>UL<br>CSA                                       |
| Ambient air temperature for operation | 14...140 °F (-10...60 °C)                             |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C)                            |
| Immunity to ambient light             | 10000 lux natural light<br>5000 lux incandescent bulb |
| Vibration resistance                  | 7 gn +/- 0.75 mm 10...55 Hz) IEC 60068-2-6            |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27                           |
| IP degree of protection               | IP65<br>IP67                                          |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 3.81 oz (108 g)        |
| Package 1 Height             | 0.79 in (2 cm)         |
| Package 1 width              | 6.38 in (16.2 cm)      |
| Package 1 Length             | 5.04 in (12.8 cm)      |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 30                     |
| Package 2 Weight             | 7.82 lb(US) (3.548 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |

## Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |

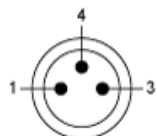
## Contractual warranty

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



## Wiring Schemes

### M8 Connector



- 1 : BN: Brown  
3 : BU: Blue  
4 : BK: Black

### PNP Output

