



## Main

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Range of product              | OsiSense XU                                                |
| Series name                   | General purpose single mode                                |
| Electronic sensor type        | Photo-electric sensor receiver                             |
| Sensor name                   | XUX                                                        |
| Sensor design                 | Compact 92 x 71                                            |
| Detection system              | Thru beam                                                  |
| Material                      | Plastic                                                    |
| Type of output signal         | Discrete                                                   |
| Supply circuit type           | DC                                                         |
| Wiring technique              | 3-wire                                                     |
| Discrete output type          | PNP                                                        |
| Discrete output function      | 1 NC                                                       |
| Electrical connection         | 1 male connector M12, 4 pins                               |
| Product specific application  | -                                                          |
| Emission                      | Infrared thru beam                                         |
| [Sn] nominal sensing distance | 131.23 ft (40 m) thru beam need a transmitter XUX0AKSAM12T |

## Complementary

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Enclosure material        | PBT                                             |
| Lens material             | PMMA                                            |
| Maximum sensing distance  | 196.85 ft (60 m) thru beam                      |
| Output type               | Solid state                                     |
| Add on output             | Without                                         |
| Status LED                | 1 LED yellow)output state<br>1 LED green)supply |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection        |

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Supply voltage limits    | 10...36 V DC                                     |
| Switching capacity in mA | <= 100 mA overload and short-circuit protection) |
| Switching frequency      | <= 250 Hz                                        |
| Maximum voltage drop     | <1.5 V closed state)                             |
| Current consumption      | <= 35 mA no-load                                 |
| Maximum delay first up   | 15 ms                                            |
| Maximum delay response   | 2 ms                                             |
| Maximum delay recovery   | 2 ms                                             |
| Setting-up               | Sensitivity adjustment                           |
| Depth                    | 3.03 in (77 mm)                                  |
| Height                   | 3.62 in (92 mm)                                  |
| Width                    | 1.22 in (31 mm)                                  |
| Net weight               | 0.44 lb(US) (0.2 kg)                             |

## Environment

|                                       |                                                                      |
|---------------------------------------|----------------------------------------------------------------------|
| Product certifications                | CE<br>CSA<br>UL                                                      |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C)                                           |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                           |
| Vibration resistance                  | 7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6                            |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27                                          |
| IP degree of protection               | IP65 double insulation IEC 60529<br>IP67 double insulation IEC 60529 |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Weight             | 6.28 oz (178 g)   |
| Package 1 Height             | 1.65 in (4.2 cm)  |
| Package 1 width              | 3.82 in (9.7 cm)  |
| Package 1 Length             | 5.20 in (13.2 cm) |

## Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| 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>                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                     |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                           |

## Contractual warranty

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