



## Main

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Range of product              | OsiSense XU                                         |
| Series name                   | Application material handling                       |
| Electronic sensor type        | Photo-electric sensor                               |
| Sensor name                   | XUB                                                 |
| Sensor design                 | Cylindrical M18                                     |
| Detection system              | Thru beam                                           |
| Material                      | Metal                                               |
| Type of output signal         | Discrete                                            |
| Supply circuit type           | DC                                                  |
| Wiring technique              | 3-wire                                              |
| Discrete output type          | PNP                                                 |
| Discrete output function      | 1 NO or 1 NC programmable                           |
| Electrical connection         | 1 male connector M12                                |
| Emission                      | Red laser class 1 0.000026378 in (670 nm) IEC 825-1 |
| [Sn] nominal sensing distance | 328.08 ft (100 m)                                   |

## Complementary

|                           |                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------|
| Enclosure material        | Nickel plated brass                                                                                         |
| Lens material             | PMMA                                                                                                        |
| Blind zone                | 0.00 in (0 mm)                                                                                              |
| Output type               | Solid state                                                                                                 |
| Status LED                | Supply on and teaching 1 LED green)<br>Stability 1 LED red)<br>Output state and alignment aid 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)                                                            |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Switching frequency            | 1500 Hz                                           |
| Maximum voltage drop           | <1.5 V closed state)                              |
| Current consumption            | 25 mA no-load                                     |
| Maximum power consumption in W | 1 W                                               |
| Maximum delay first up         | 80 ms                                             |
| Maximum delay response         | 0.4 ms                                            |
| Maximum delay recovery         | 0.4 ms                                            |
| Setting-up                     | With sensitivity adjustment                       |
| Net weight                     | 0.29 lb(US) (0.13 kg)                             |
| Kit composition                | Transmitter + receiver XUBLBKCNM12T + XUBLBPCNM12 |

## Environment

|                                       |                                            |
|---------------------------------------|--------------------------------------------|
| Product certifications                | UL<br>CE<br>CSA                            |
| Ambient air temperature for operation | 14...113 °F (-10...45 °C)                  |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                 |
| 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               | IP67 IEC 60529 double insulation)          |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 3.77 oz (107 g)        |
| Package 1 Height             | 1.42 in (3.6 cm)       |
| Package 1 width              | 2.76 in (7 cm)         |
| Package 1 Length             | 5.12 in (13 cm)        |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 35                     |
| Package 2 Weight             | 9.14 lb(US) (4.144 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

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| 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 |
|----------|-----------|