



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XU   |
| Series name                   | General purpose single mode                               |
| Electronic sensor type        | Photo-electric sensor receiver                            |
| Sensor name                   | XUB   |
| Sensor design                 | Cylindrical M18   |
| Detection system              | Thru beam   |
| Material                      | Plastic   |
| Line of sight type            | Axial   |
| Type of output signal         | Discrete  |
| Supply circuit type           | DC  |
| Wiring technique              | 3-wire  |
| Discrete output type          | NPN   |
| Discrete output function      | 1 NC  |
| Electrical connection         | 1 male connector M12, 4 pins                              |
| Product specific application  | -   |
| Emission                      | Infrared thru beam  |
| [Sn] nominal sensing distance | 49.21 ft (15 m) thru beam need a transmitter XUB2AKSNM12T |

## Complementary

|                           |  |
|---------------------------|--|
| Enclosure material        | PBT                                      |
| Lens material             | PMMA                                     |
| Maximum sensing distance  | 65.62 ft (20 m) thru beam                |
| Output type               | Solid state                              |
| Add on output             | Without                                  |
| Status LED                | 1 LED yellow)output state                |
| [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      | <= 500 Hz  |
| Maximum voltage drop     | <1.5 V closed state)                             |
| Current consumption      | 35 mA no-load                                    |
| Maximum delay first up   | 15 ms  |
| Maximum delay response   | 1 ms   |
| Maximum delay recovery   | 1 ms   |
| Setting-up               | Without sensitivity adjustment                   |
| Diameter                 | 0.71 in (18 mm)                                  |
| Length                   | 2.36 in (60 mm)                                  |
| Net weight               | 0.09 lb(US) (0.04 kg)                            |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | UL<br>CSA<br>CE   |
| 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<br>IP69K double insulation DIN 40050 |

## Packing Units

|                  |                        |
|------------------|------------------------|
| Package 1 Weight | 0.07 lb(US) (0.033 kg) |
| Package 1 Height | 0.420 dm               |
| Package 1 width  | 0.970 dm               |
| Package 1 Length | 0.670 dm               |

## 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 |
|----------|-----------|