



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XU                                 |
| Series name                   | General purpose single mode                 |
| Electronic sensor type        | Photo-electric sensor                       |
| Sensor name                   | XUB   |
| Sensor design                 | Cylindrical M18                             |
| Detection system              | Reflex                                      |
| Material                      | Plastic                                     |
| Line of sight type            | Axial                                       |
| Type of output signal         | Discrete                                    |
| Supply circuit type           | DC  |
| Wiring technique              | 3-wire                                      |
| Discrete output type          | PNP   |
| Discrete output function      | 1 NO  |
| Electrical connection         | 1 male connector M12, 4 pins                |
| Product specific application  | -   |
| Emission                      | Infrared reflex                             |
| [Sn] nominal sensing distance | 13.12 Ft (4 m) reflex need reflector XUZC50 |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 18.04 Ft (5.5 m) reflex                           |
| Output type               | Solid state                                       |
| Add on output             | Without   |
| Wire insulation material  | PvR   |
| 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     | 2.44 In (62 mm)                |
| Net weight | 0.09 Lb(US) (0.04 kg)          |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>UL<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               | IP67 double insulation IEC 60529<br>IP65 double insulation IEC 60529<br>IP69K double insulation conforming to DIN 40050 |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 1.09 Oz (31 g)         |
| Package 1 Height             | 1.65 In (4.2 cm)       |
| Package 1 width              | 2.60 In (6.6 cm)       |
| Package 1 Length             | 3.78 In (9.6 cm)       |
| Package 2 Weight             | 2.22 Lb(US) (1.006 kg) |

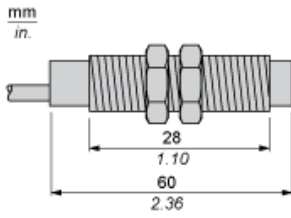
## Offer Sustainability

|                            |  |
|----------------------------|--|
| 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) <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 |
|----------|-----------|

Dimensions



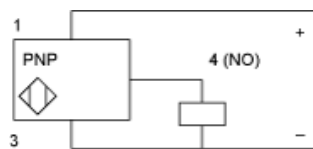
## Wiring Schemes

### M12 Connector

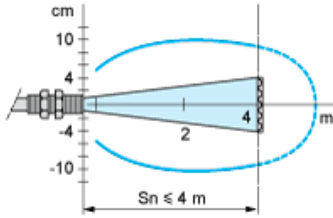


- 1: (+)
- 3: (-)
- 4: OUT/Output

### PNP Outputs



Detection Curves



With reflector XUZC50

Product Life Status : Commercialised