



## Main

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Range of product              | OsiSense XU                                              |
| Series name                   | Application packaging                                    |
| Electronic sensor type        | Photo-electric sensor                                    |
| Product specific application  | Detection of transparent object                          |
| Sensor name                   | XUBT                                                     |
| Sensor design                 | Cylindrical M18                                          |
| Detection system              | Reflex                                                   |
| Material                      | Plastic                                                  |
| Line of sight type            | 90° lateral                                              |
| Supply circuit type           | DC                                                       |
| Wiring technique              | 3-wire                                                   |
| Discrete output type          | NPN                                                      |
| Discrete output function      | 1 NO or 1 NC programmable                                |
| Electrical connection         | 1 male connector M12, 4 pins                             |
| Emission                      | Coaxial polarised red reflex                             |
| [Sn] nominal sensing distance | 0.00...2.62 ft (0...0.8 m) with reflector XUZ C50/ C50HP |

## Complementary

|                           |                                                                              |
|---------------------------|------------------------------------------------------------------------------|
| Kit composition           | Reflector XUZC50HP<br>Sensor                                                 |
| Enclosure material        | PBT                                                                          |
| Lens material             | PMMA                                                                         |
| Beam angle                | 1.5 °                                                                        |
| Blind zone                | 0.00 in (0 mm)                                                               |
| Spot diameter             | 1.46 in (37 mm)                                                              |
| Type of output signal     | Discrete                                                                     |
| Output type               | Solid state                                                                  |
| Status LED                | Supply on 1 LED green)<br>Stability 1 LED red)<br>Output state 1 LED yellow) |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection                                     |
| Supply voltage limits     | 10...32 V DC                                                                 |
| Switching capacity in mA  | 100 mA (overload and short-circuit protection)                               |
| Switching frequency       | 1000 Hz                                                                      |
| Maximum voltage drop      | <1.5 V closed state)                                                         |
| Current consumption       | 45 mA no-load                                                                |
| Maximum delay first up    | 200 ms                                                                       |
| Maximum delay response    | 500 ms                                                                       |
| Maximum delay recovery    | 500 ms                                                                       |
| Net Weight                | 0.11 lb(US) (0.048 kg)                                                       |

## Environment

|                                       |                                                                                                              |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Product certifications                | CSA<br>UL<br>CE                                                                                              |
| Ambient air temperature for operation | 32...131 °F (0...55 °C)                                                                                      |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                   |
| Vibration resistance                  | 7 gn +/- 1 mm 10...55 Hz) IEC 60068-2-6                                                                      |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27                                                                                  |
| IP degree of protection               | IP65 IEC 60529 double insulation)<br>IP67 IEC 60529 double insulation)<br>IP69K DIN 40050 double insulation) |

## Ordering and shipping details

|                       |                                |
|-----------------------|--------------------------------|
| Category              | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule     | DS2                            |
| GTIN                  | 03389119020879                 |
| Nbr. of units in pkg. | 1                              |
| Package weight(Lbs)   | 0.2 lb(US) (0.09 kg)           |
| Returnability         | No                             |
| Country of origin     | FR                             |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 2.56 in (6.5 cm) |
| Package 1 width        | 3.74 in (9.5 cm) |
| Package 1 Length       | 1.65 in (4.2 cm) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| 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>                                                                                                                                                                                                                                                                                                                                           |

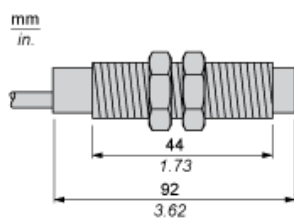
## Contractual warranty

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

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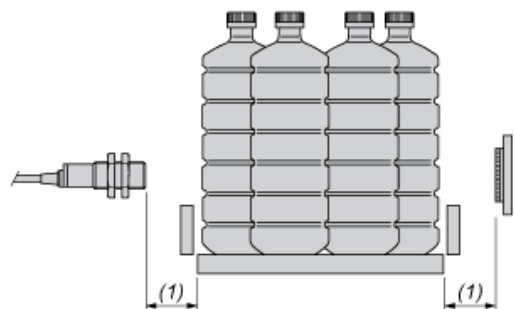
Dimensions

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## Setting-up

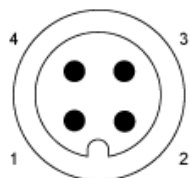
### Recommended Distances and Application Restraints



(1) Blind zone : 0 m

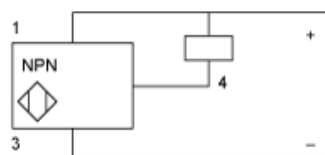
## Wiring Schemes

### M12 Connector



- 3 : (-)
- 1 : (+)
- 4 : OUT/Output
- 2 : Not connected

### NPN



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## Detection Curves

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Line of Sight 90° to Case Axis

