



## Main

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Range of Product              | Telemecanique Photoelectric sensors 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            | Axial                                                   |
| 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, 4 pins                            |
| Emission                      | Coaxial polarised red reflex                            |
| [Sn] nominal sensing distance | 0.00...4.59 ft (0...1.4 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                | 0.10 lb(US) (0.045 kg)                                                       |

## Environment

|                                       |                                                                                                              |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Product Certifications                | CE<br>CSA<br>UL                                                                                              |
| 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              | 3389119020848                |
| Returnability     | No                           |
| Country of origin | FR                           |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 1.42 in (3.6 cm)       |
| Package 1 Width              | 2.76 in (7.0 cm)       |
| Package 1 Length             | 5.20 in (13.2 cm)      |
| Package 1 Weight             | 2.12 oz (60.0 g)       |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 35                     |
| Package 2 Height             | 5.91 in (15.0 cm)      |
| Package 2 Width              | 11.81 in (30.0 cm)     |
| Package 2 Length             | 15.75 in (40.0 cm)     |
| Package 2 Weight             | 5.39 lb(US) (2.446 kg) |

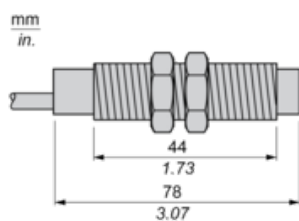
## Offer Sustainability

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

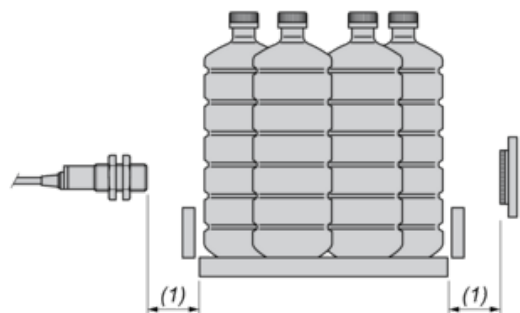
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



## Setting-up

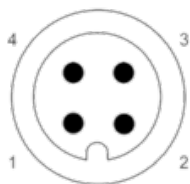
### Recommended Distances and Application Restraints



(1) Blind zone : 0 m

## Wiring Schemes

### M12 Connector



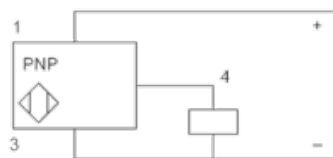
3 : (-)

1 : (+)

4 : OUT/Output

2 : Not connected

### PNP

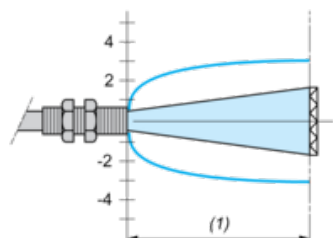


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## Detection Curves

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### Line of Sight Along Case Axis



$S_n \leq 1.4 \text{ m}$