

# XUBTSPSWL2

photo-electric sensor - XUBT - polarised - 90° -  
Sn 1.4m - 12..24VDC - cable 2m

Product availability: Non-Stock - Not normally stocked in distribution facility



## 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                      | Metal                                                |
| Line of sight type            | 90° lateral                                          |
| Supply circuit type           | DC                                                   |
| Wiring technique              | 3-wire                                               |
| Discrete output type          | PNP                                                  |
| Discrete output function      | 1 NO or 1 NC programmable                            |
| Electrical connection         | Cable                                                |
| Cable length                  | 6.56 ft (2 m)                                        |
| Emission                      | Coaxial polarised red reflex                         |
| [Sn] nominal sensing distance | 0...2.62 ft (0...0.8 m) with reflector XUZ C50/C50HP |

## Complementary

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Kit composition           | Reflector XUZC50HP<br>Sensor                                                    |
| Enclosure material        | Stainless steel : 304 CU                                                        |
| Lens material             | PMMA                                                                            |
| Beam angle                | 1.5 °                                                                           |
| Blind zone                | 0 in (0 mm)                                                                     |
| Spot diameter             | 1.46 in (37 mm)                                                                 |
| Type of output signal     | Discrete                                                                        |
| Output type               | Solid state                                                                     |
| Wire insulation material  | PvR                                                                             |
| Status LED                | 1 LED (green) supply on<br>1 LED (red) stability<br>1 LED (yellow) output state |
| [Us] rated supply voltage | 12...24 V DC with 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                                                                         |
| Voltage drop              | <= 1.5 V (closed state)                                                         |
| Current consumption       | 45 mA (no-load)                                                                 |
| Delay first up            | < 200 ms                                                                        |
| Delay response            | < 500 ms                                                                        |
| Delay recovery            | < 500 ms                                                                        |
| Product weight            | 0.3 lb(US) (0.138 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, amplitude = +/- 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6                                                                                   |
| Shock resistance                      | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27                                                                                                     |
| IP degree of protection               | IP65 (double insulation) conforming to IEC 60529<br>IP67 (double insulation) conforming to IEC 60529<br>IP69K (double insulation) conforming to DIN 40050 |

## Ordering and shipping details

|                       |                                |
|-----------------------|--------------------------------|
| Category              | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule     | DS2                            |
| GTIN                  | 003389119020909                |
| Nbr. of units in pkg. | 1                              |
| Package weight(Lbs)   | 0.20000000000000001            |
| Returnability         | N                              |
| Country of origin     | FR                             |

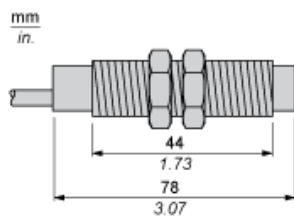
## Offer Sustainability

|                                  |                                                                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW)           | Compliant - since 0724 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| Product environmental profile    | Available                                                                                                                                                                                              |
| Product end of life instructions | Available                                                                                                                                                                                              |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                                                                                                           |
| - - - - - Substance 1            | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                                                                                            |
| - - - - - Substance 2            | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.                                                                             |
| - - - - - More information       | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                                                                                          |

## Contractual warranty

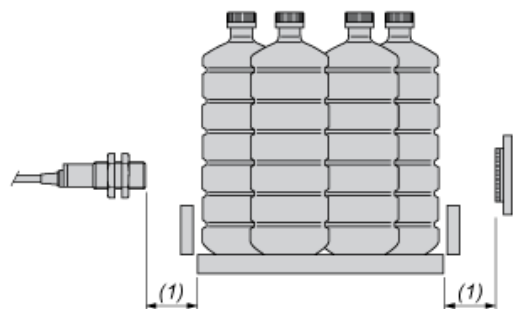
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions



## Setting-up

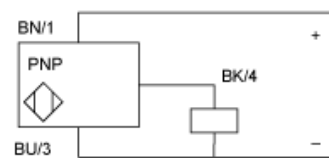
### Recommended Distances and Application Restraints



(1) Blind zone : 0 m

## Wiring Schemes

### PNP



BU : Blue

BN : Brown

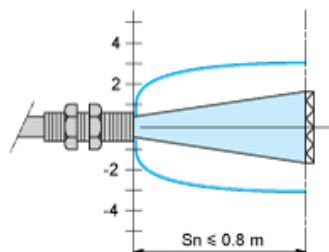
BK : Black (out / output)

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## Detection Curves

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Line of Sight 90° to Case Axis



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