

# XUBTAPSNL2

Photoelectric sensors XU, photo electric sensor, XUBT, polarised, Sn 1.4 m, 12...24 VDC, cable 2 m



## 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         | Cable                                  |
| Cable length                  | 2 m                                    |
| Emission                      | Coaxial polarised red reflex           |
| [Sn] nominal sensing distance | 0...1.4 m with reflector XUZ C50/C50HP |

## Complementary

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Kit composition           | Sensor<br>Reflector XUZC50HP                                                       |
| Enclosure material        | PBT                                                                                |
| Lens material             | PMMA                                                                               |
| Beam angle                | 1.5 °                                                                              |
| Blind zone                | 0 mm                                                                               |
| Spot diameter             | 37 mm                                                                              |
| Type of output signal     | Discrete                                                                           |
| Output type               | Solid state                                                                        |
| Wire insulation material  | PvR                                                                                |
| 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 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                                                                            |
| 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 kg                                                                            |

## Environment

|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| Product certifications                | UL<br>CE<br>CSA                                                                                      |
| Ambient air temperature for operation | 0...55 °C                                                                                            |
| Ambient air temperature for storage   | -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 conforming to IEC 60529 (double insulation)<br>IP67 conforming to IEC 60529 (double insulation) |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 108 g    |
| Package 1 Height             | 3.6 cm   |
| Package 1 width              | 12.8 cm  |
| Package 1 Length             | 7 cm     |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 35       |
| Package 2 Weight             | 4.082 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

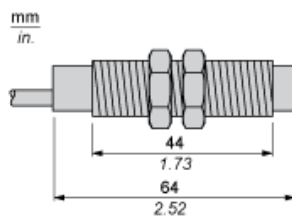
## Offer Sustainability

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

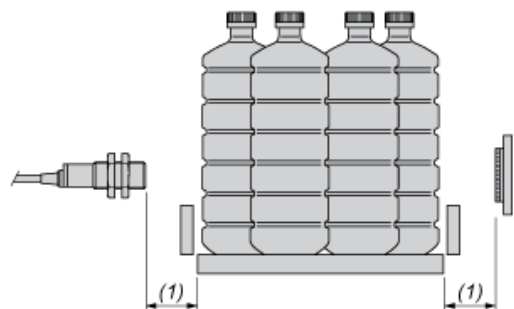
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



## Setting-up

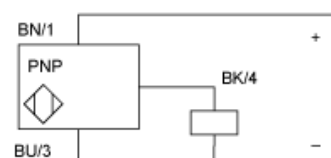
### Recommended Distances and Application Restraints



(1) Blind zone : 0 m

## Wiring Schemes

### PNP



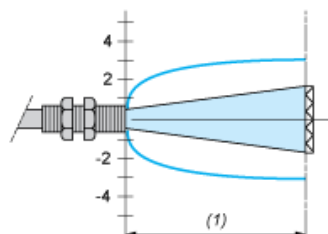
BU : Blue

BN : Brown

BK : Black (out / output)

## Detection Curves

### Line of Sight Along Case Axis



$S_n \leq 1.4 \text{ m}$