

# Product data sheet

# XUBTAPSNM12

Photoelectric sensor XUBT, plastic, polarised reflex, Sn 1.4 m, 12...24 VDC, M12, PNP, NO/NC

## Main

| | |
|---|---|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | Application packaging |
| Sensor name | XUBT |
| Electronic sensor type | Photo-electric sensor |
| Sensor design | Cylindrical M18 |
| Kit composition | Reflector XUZC50HP<br>sensor |
| Product specific application | Detection of transparent object |
| ETIM classification | ETIM 9 - EC002717 - Retroreflective photoelectric sensor |
| Material | Plastic |
| Lens material | PMMA |
| Enclosure material | PBT |
| [Sn] nominal sensing distance | 0-1.4 m with reflector XUZ C50/C50HP |
| Wiring technique | 3-wire |
| Detection system | Reflex |
| Delay response | 500 ms |
| Indivisible sale quantity | 1 |

## Complementary

| | |
|---|---|
| Sensing range | > 1...5 m |
| Electrical connection | 1 male connector M12, 4 pins |
| Supply voltage limits | 10-32 V DC |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply circuit type | DC |
| Switching capacity in mA | 100 mA (overload and short-circuit protection) |
| Voltage drop | <1.5 V (closed state) |
| Current consumption | 45 mA no-load |
| Emission | Coaxial polarised red reflex |
| Status LED | - |
| Output type | Solid state |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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| | |
|---|---|
| Type of output signal | Discrete |
| Discrete output type | PNP |
| Discrete output function | 1 NO or 1 NC programmable |
| Blind zone | 0 mm |
| Spot diameter | 37 mm |
| Delay first up | 200 ms |
| Delay recovery | 500 ms |
| Product weight | 0.045 kg |

## Environment

| | |
|---|---|
| IP degree of protection | IP65 conforming to IEC 60529 (double insulation), IP67 conforming to IEC 60529 (double insulation), IP69K conforming to DIN 40050 (double insulation) |
| Ambient air temperature for storage | -40...70 °C |
| Shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| Vibration resistance | 7 gn, amplitude = +/- 1 mm (f = 10-55 Hz) conforming to IEC 60068-2-6 |

## Offer Sustainability

| | |
|---|---|
| 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 www.P65Warnings.ca.gov |

## Warranty

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

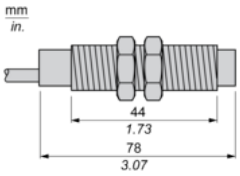
## Packing Units

| | |
|---|---|
| Country of origin | FR (France) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916032688 |
| Package 1 height | 3.6 cm |
| Package 1 width | 7 cm |
| Package 1 length | 13.2 cm |
| Package 1 weight | 0.045 kg |
| Unit type of package 2 | S02 |
| Number of units in package 2 | 35 |
| New Package 2 GTIN 14 | 13666916032685 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 2.446 kg |

| | |
|---|---|
| Unit type of package 3 | CAR |
| Number of units in package 3 | 1 |
| New Package 3 GTIN 14 | 23666916032682 |
| Package 3 height | 13.2 cm |
| Package 3 width | 3.6 cm |
| Package 3 length | 7 cm |
| Package 3 weight | 0.06 kg |

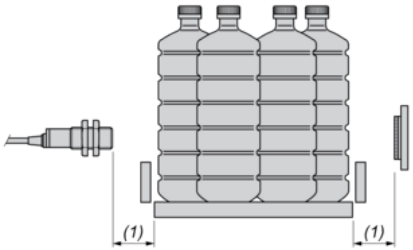
## Technical Drawings

### Dimensions




### Setting-up

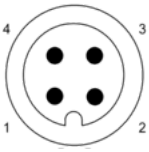
Recommended Distances and Application Restraints




(1)

### Wiring Schemes

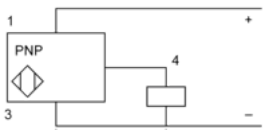
M12 Connector




3 :
1 :
4 :
2 :

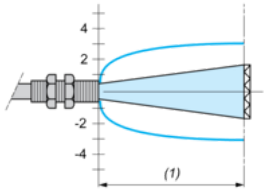
### Wiring Schemes

PNP



## Detection Curves

### Line of Sight Along Case Axis




Sn ≤