

# XUBT1NSNM12

Photoelectric sensors XU, transparent material,  
Sn 0...0.8 mm, NO or NC, M12



## 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	XUBT1
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	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Emission	Dual lens red reflex
[Sn] nominal sensing distance	0...0.8 m need reflector XUZC50

## Complementary

Kit composition	Sensor Reflector XUZC50
Enclosure material	PBT
Lens material	PMMA
Beam angle	1.5 °
Blind zone	100 mm
Spot diameter	37 mm
Type of output signal	Discrete
Output type	Solid state
Status LED	Supply on: 1 LED (green) Output state: 1 LED (yellow) Alignment: 1 LED (red)
[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	250 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	30 mA no-load
Maximum delay first up	2000 ms
Maximum delay response	2000 ms
Maximum delay recovery	2000 ms
Net weight	0.045 kg

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## Environment

Product certifications	CE[RETURN]UL[RETURN]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) IP67 conforming to IEC 60529 (double insulation)

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.5 cm
Package 1 Width	9.5 cm
Package 1 Length	4.1 cm
Package 1 Weight	46 g

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

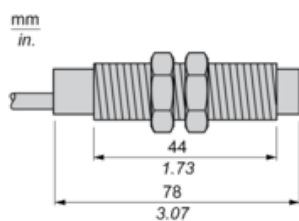
## Contractual warranty

Warranty	18 months
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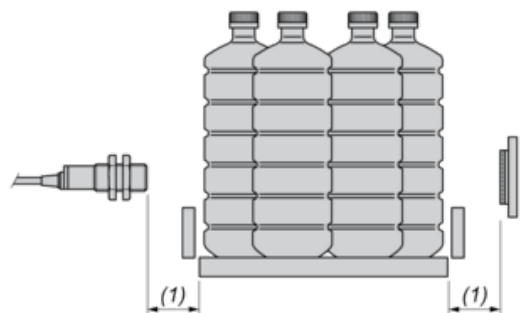
Dimensions

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## Setting-up

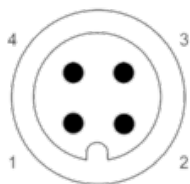
### Recommended Distances and Application Restraints



(1) Blind zone : 0,1 m

## Wiring Schemes

### M12 Connector



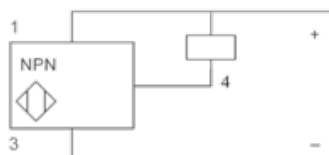
3 : (-)

1 : (+)

4 : OUT/Output

2 : Not connected

### NPN

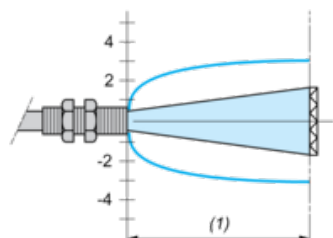


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Detection Curves

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Line of Sight Along Case Axis



$S_n \leq 0.8 \text{ m}$