

# XUBTSPSWM12

Photoelectric sensors XU, XUBT, polarised, 90°, Sn 1.4 m, 12...24 VDC, 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	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	1 male connector M12, 4 pins
Emission	Coaxial polarised red reflex
[Sn] nominal sensing distance	0...0.8 m with reflector XUZ C50/C50HP

## Complementary

Kit composition	Reflector XUZC50HP Sensor
Enclosure material	Stainless steel : 304 CU
Lens material	PMMA
Beam angle	1.5 °
Blind zone	0 mm
Spot diameter	37 mm
Type of output signal	Discrete
Output type	Solid state
Status LED	Supply on: 1 LED (green) Stability: 1 LED (red) 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	0.073 kg

## Environment

Product certifications	UL[RETURN]CE[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) IP69K conforming to DIN 40050 (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	4.2 cm
Package 1 Weight	49.0 g

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

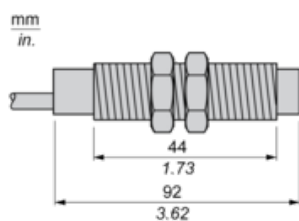
## Contractual warranty

Warranty	18 months
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Dimensions

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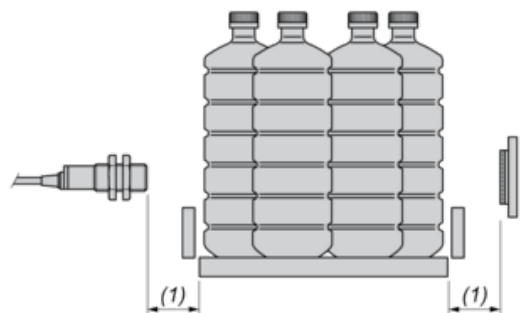


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## Setting-up

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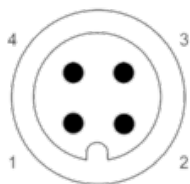
### Recommended Distances and Application Restraints



(1) Blind zone : 0 m

## Wiring Schemes

### M12 Connector



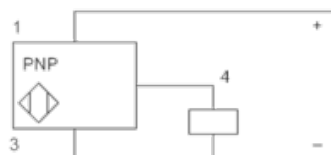
3 : (-)

1 : (+)

4 : OUT/Output

2 : Not connected

### PNP



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## Detection Curves

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Line of Sight 90° to Case Axis

