

XUBT1NSNM12

photoelectric sensor - transparent material - Sn
0..0.8 mm - NO or NC - M12



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	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




Environment

Product certifications	CE UL 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 Weight	46 g
Package 1 Height	6.5 cm
Package 1 width	9.5 cm
Package 1 Length	4.1 cm

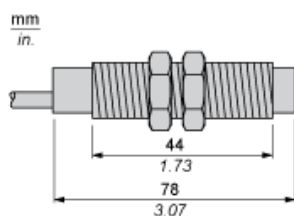
Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End of Life Information

Contractual warranty

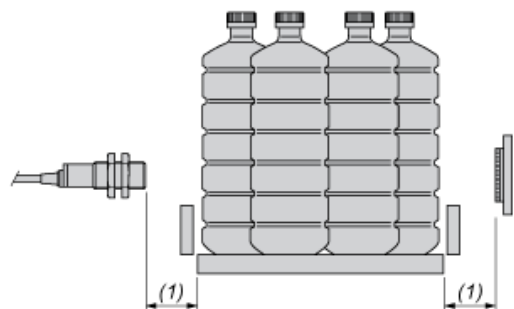
Warranty	18 months
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Dimensions



Setting-up

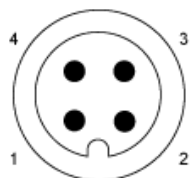
Recommended Distances and Application Restraints



(1) Blind zone : 0,1 m

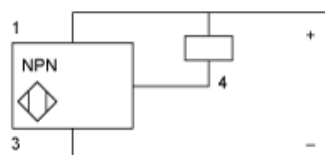
Wiring Schemes

M12 Connector



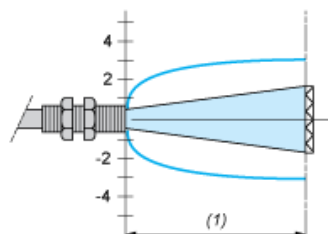
- 3 : (-)
- 1 : (+)
- 4 : OUT/Output
- 2 : Not connected

NPN



Detection Curves

Line of Sight Along Case Axis



$S_n \leq 0.8 \text{ m}$