Product data sheet
Characteristics

XUBTSPSNM12
Photoelectric sensors XU, XUBT, polarised, Sn 1.4 m, 12...24 VDC, M12

Main

Range of produc	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	Axial
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…1.4 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	0.07 kg

Environment

Product certifications	UL[RETURN]CSA[RETURN]CE
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	3.600 cm
Package 1 Width	7.200 cm
Package 1 Length	12.800 cm
Package 1 Weight	74.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	35
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.378 kg

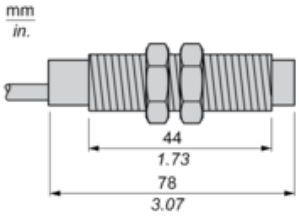
Offer Sustainability

Sustainable offer status	Green Premium product
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

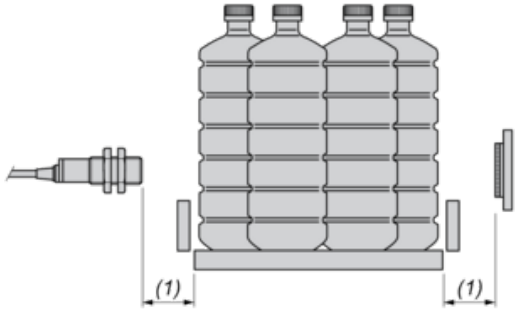
Warranty	18 months

Dimensions



Setting-up

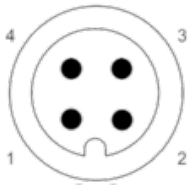
Recommended Distances and Application Restraints



(1) Blind zone : 0 m

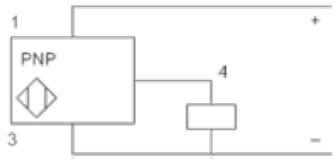
Wiring Schemes

M12 Connector



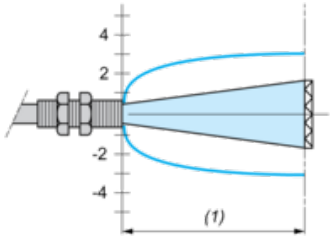
3 : (-)
1 : (+)
4 : OUT/Output
2 : Not connected

PNP



Detection Curves

Line of Sight Along Case Axis



Sn ≤ 1.4 m