



## Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor receiver
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Metal
Type of output signal	Discrete
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
Product specific application	-
Emission	Red laser thru beam class 1 0.000026378 in (670 nm) IEC 60825-1
[Sn] nominal sensing distance	0...100 m thru beam need a transmitter XUBLBPCNM12T

## Complementary

Enclosure material	Nickel Plated Brass
Lens material	PMMA
Output type	Solid state
Status LED	1 LED green)supply on 1 LED yellow)output state 1 LED red)stability
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA overload and short-circuit protection)
Switching frequency	<= 1500 Hz
Maximum voltage drop	<1.5 V closed state)
Current consumption	25 mA no-load
Maximum delay first up	80 ms
Maximum delay response	0.4 ms
Maximum delay recovery	0.4 ms
Diameter	0.71 in (18 mm)
Length	2.99 in (76 mm)
Net weight	0.15 lb(US) (0.07 kg)

## Environment

Product certifications	UL CSA CE
Ambient air temperature for operation	14...113 °F (-10...45 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 double insulation IEC 60529

## Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	03389119021081
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.42 in (3.6 cm)
Package 1 width	2.76 in (7 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	15
Package 2 Weight	2.67 lb(US) (1.209 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

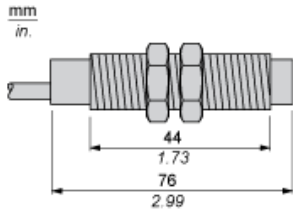
## Offer Sustainability

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>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

## Contractual warranty

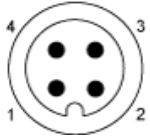
Warranty	18 months
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## Dimensions



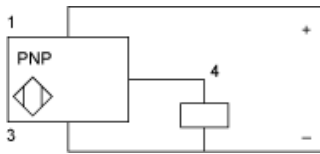
## Wiring Schemes

### M12 Connector



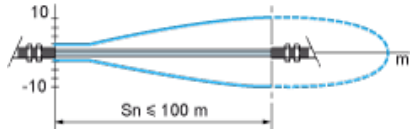
- 1: (+)
- 2: Beam break input
- 3: (-)
- 4: OUT/Output

### PNP

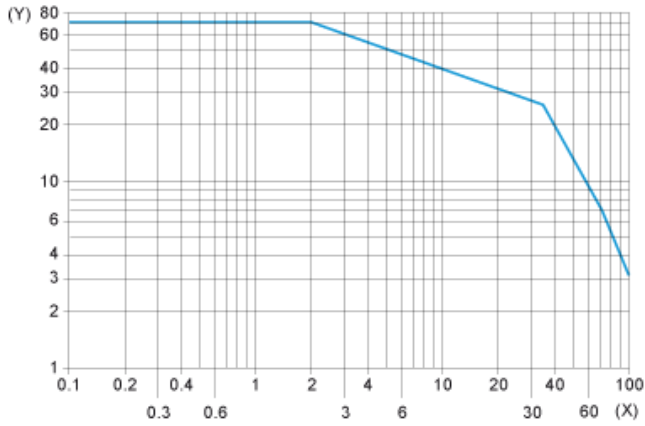


Curves

Detection Curve (Set to Infinity)

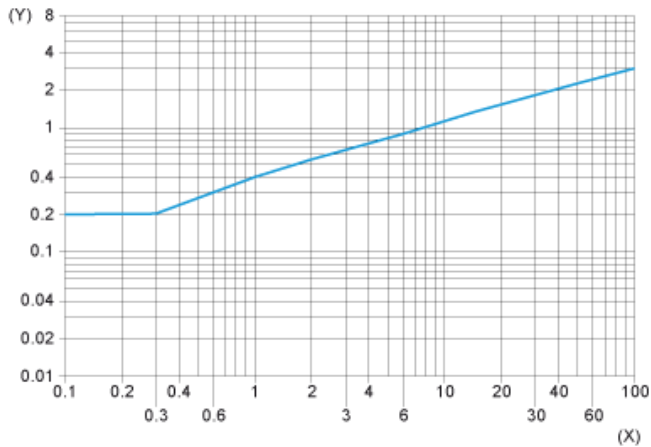


Excess Gain Curve



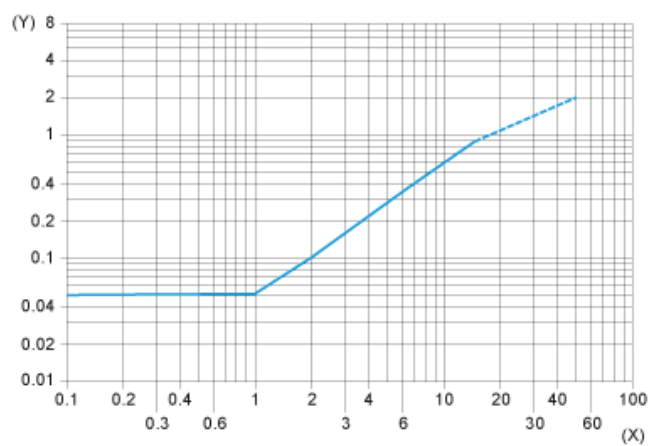
(X) Distance (m)  
(Y) Gain

Standard Curve



(X) Distance focusing point (m)  
(Y) Minimum size of the object to be detected (mm)

## Detection Limit Curve



(X) Distance focusing point (m)

(Y) Minimum size of the object to be detected (mm)