



## 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	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Cable
Cable length	6.56 ft (2 m)
Product specific application	-
Emission	Red laser thru beam (class 1), wavelength: 2.6378E-05 in (670 nm) conforming to IEC 60825-1
[Sn] nominal sensing distance	0...328.08 ft (0...100 m) thru beam need a transmitter XUBLBKCNL2T

## Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Output type	Solid state
Wire insulation material	PvR
Status LED	1 LED (green) supply on 1 LED (red) stability 1 LED (yellow) output state
[Us] rated supply voltage	12...24 V DC with 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
Voltage drop	<= 1.5 V (closed state)
Current consumption	25 mA (no-load)
Delay first up	< 80 ms
Delay response	< 0.4 ms
Delay recovery	< 0.4 ms
Diameter	0.71 in (18 mm)
Length	2.44 in (62 mm)
Product weight	0.26 lb(US) (0.12 kg)

## Environment

product certifications	CE CSA UL
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, amplitude = +/- 1.5 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	IP67 double insulation conforming to IEC 60529
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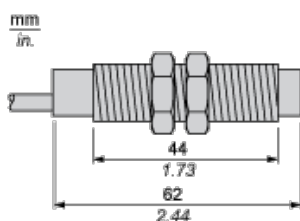
## Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0901 - Schneider Electric declaration of conformity	Compliant - since 0901 - Schneider Electric declaration of conformity
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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 more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

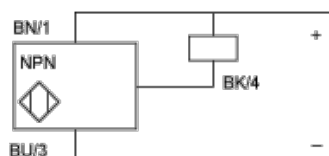
Warranty period	18 months
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## Dimensions



## Wiring Schemes

### NPN



(+) Brown

BN :

(-) Blue

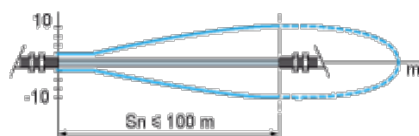
BU :

(Output)Black

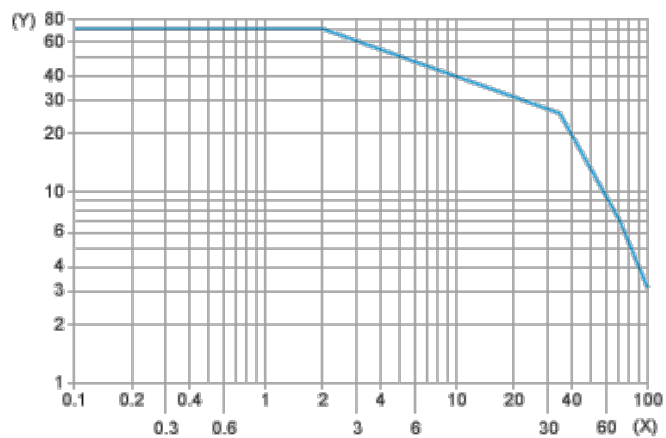
BK :

## Curves

### Detection Curve (Set to Infinity)



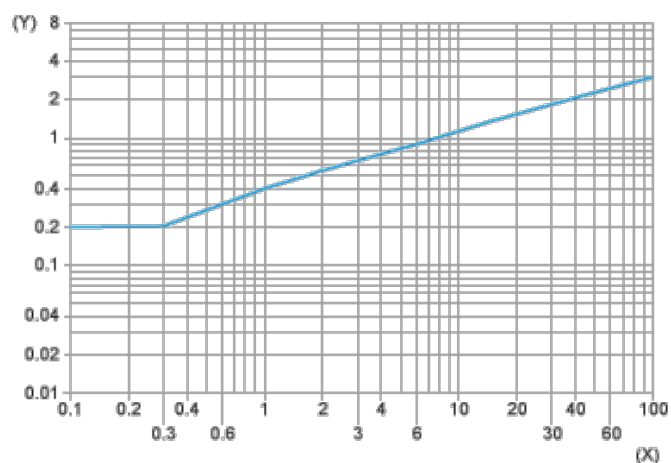
### Excess Gain Curve



(X) Distance (m)

(Y) Gain

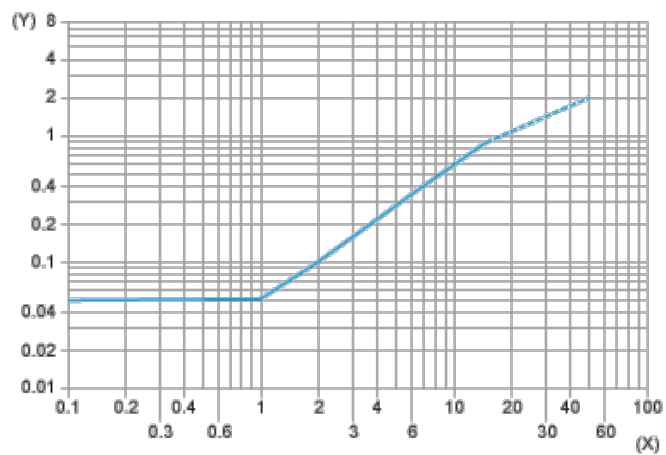
#### Standard Curve



(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)