Product data sheet
Characteristics

XUBLBNCNL2
photo-electric sensor - XUB - thru beam - laser - Sn 100m - 12..24VDC - cable 2m

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
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)
Emission	Red laser (class 1), wavelength: 2.6378E-05 in (670 nm) conforming to IEC 825-1
[Sn] nominal sensing distance	328.08 ft (100 m)

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Blind zone	0 in (0 mm)
Output type	Solid state
Status LED	1 LED (green) supply on and teaching 1 LED (red) stability 1 LED (yellow) output state and alignment aid
[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)
Power consumption in W	< 1 W
Delay first up	< 80 ms
Delay response	< 0.4 ms
Delay recovery	< 0.4 ms
Setting-up	With sensitivity adjustment
Product weight	0.51 lb(US) (0.23 kg)
Kit composition	Transmitter + receiver XUBLBKCNL2T + XUBLBNCNL2R

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 = +/- 0.75 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

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119023641
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20000000000000001
Returnability	N
Country of origin	FR

Offer Sustainability

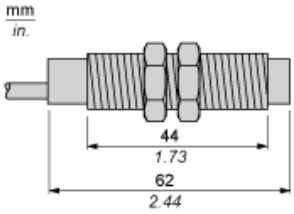
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

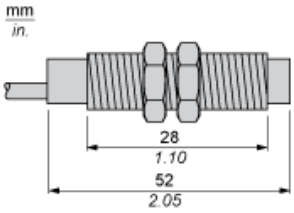
Warranty period	18 months

XUBLBNCNL2

Dimensions

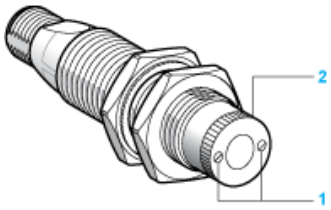


Dimensions



Mounting

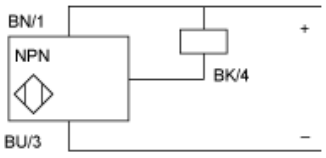
Adjustment



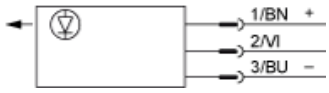
(1) Adjust the focusing point of the laser beam by rotating the serrated sleeve
(2) Located on the face of the sensor. Re-tighten fixing screws

Wiring Schemes

NPN



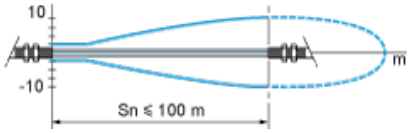
Transmitter



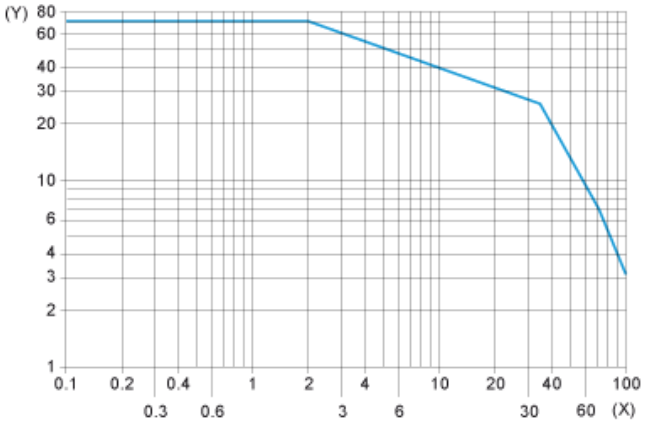
(+) BN : Brown
(-) BU : Blue
(Output) BK : Black
Input Not connected: beam made, connected to (-): beam broken
2/VI :

Curves

Detection Curve (Set to Infinity)

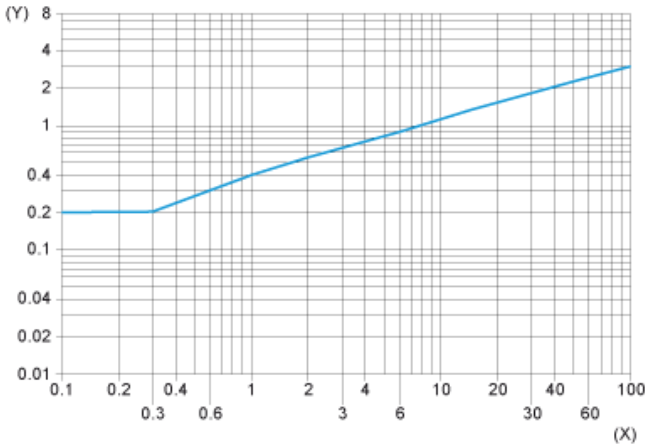


Excess Gain Curve



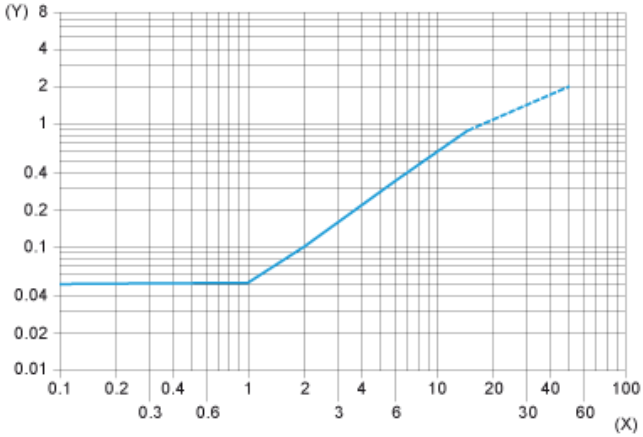
(X) Distance (m)
(Y) Gain

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)

Mouser Electronics

Authorized Distributor

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Schneider Electric:

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