

# XUBLAPCNL2R

photo-electric sensor - XUB - receiver - 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 receiver  |
| Sensor name                   | XUB   |
| Sensor design                 | Cylindrical M18   |
| Detection system              | Thru beam   |
| Material                      | Plastic   |
| 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         | 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 XUBLAKCNL2T                          |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Output type               | Solid state   |
| Wire insulation material  | PvR   |
| Status LED                | 1 LED (green) supply on<br>1 LED (red) stability<br>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            | 0.2 lb(US) (0.09 kg)  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CE<br>CSA<br>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                            |

## Ordering and shipping details

|                       |                                |
|-----------------------|--------------------------------|
| Category              | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule     | DS2                            |
| GTIN                  | 003389119023672                |
| Nbr. of units in pkg. | 1                              |
| Package weight(Lbs)   | 0.20000000000000001            |
| Returnability         | N                              |
| Country of origin     | FR                             |

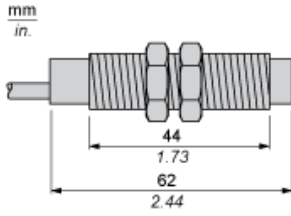
## Offer Sustainability

|                                  |  |
|----------------------------------|--|
| RoHS (date code: YYWW)           | Compliant - since 0901 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions

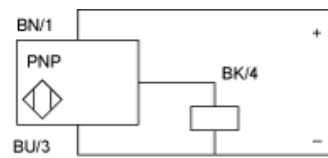


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## Wiring Schemes

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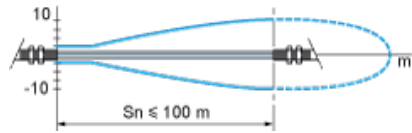
### PNP



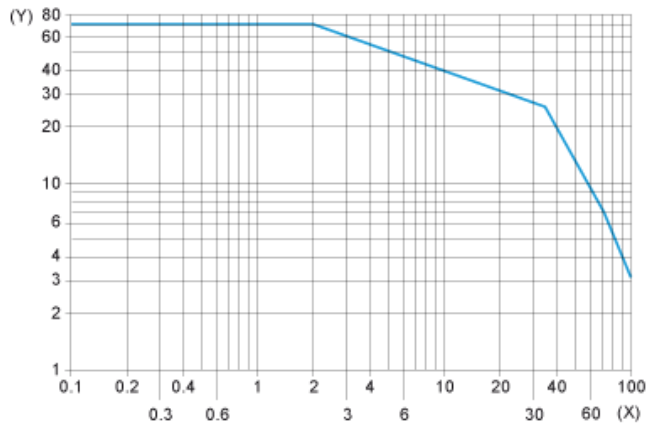
(+) Brown  
BN :  
(-) Blue  
BU :  
(Output) Black  
BK :

Curves

Detection Curve (Set to Infinity)

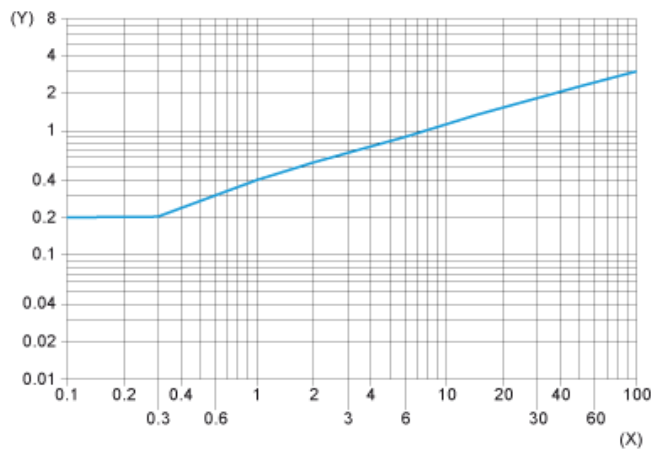


Excess Gain Curve



(X) Distance (m)  
(Y) Gain

Standard Curve



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