

# XUB2APBNL2R

photo-electric sensor - XUB - receiver - Sn 15m  
- 12..24VDC - cable 2m

Product availability: Stock - Normally stocked in distribution facility



## Main

|                               |  |
|-------------------------------|--|
| Range of product              | OsiSense XU  |
| Series name                   | General purpose single mode                              |
| Electronic sensor type        | Photo-electric sensor receiver                           |
| Sensor name                   | XUB  |
| Sensor design                 | Cylindrical M18  |
| Detection system              | Thru beam  |
| Material                      | Plastic  |
| Line of sight type            | Axial  |
| Type of output signal         | Discrete   |
| Supply circuit type           | DC   |
| Wiring technique              | 3-wire   |
| Discrete output type          | PNP  |
| Discrete output function      | 1 NC   |
| Electrical connection         | Cable  |
| Cable length                  | 6.56 ft (2 m)  |
| Product specific application  | -  |
| Emission                      | Infrared thru beam                                       |
| [Sn] nominal sensing distance | 49.21 ft (15 m) thru beam need a transmitter XUB2AKSNL2T |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 65.62 ft (20 m) thru beam                         |
| Output type               | Solid state                                       |
| Add on output             | Without   |
| Wire insulation material  | PvR   |
| Status LED                | 1 LED (yellow) output state                       |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection     |
| Supply voltage limits     | 10...36 V DC                                      |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection) |
| Switching frequency       | <= 500 Hz   |
| Voltage drop              | 1.5 V (closed state)                              |
| Current consumption       | 35 mA (no-load)                                   |
| Delay first up            | < 15 ms   |
| Delay response            | < 1 ms  |
| Delay recovery            | < 1 ms  |
| Setting-up                | Without sensitivity adjustment                    |
| Diameter                  | 0.71 in (18 mm)                                   |
| Length                    | 1.81 in (46 mm)                                   |

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## Environment

|                                       |  |
|---------------------------------------|--|
| Product certifications                | CE<br>CSA<br>UL  |
| Ambient air temperature for operation | -13...131 °F (-25...55 °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               | IP65 double insulation conforming to IEC 60529<br>IP67 double insulation conforming to IEC 60529 |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22415 - SENSORS, PHOTOELECTRIC, BASIC |
| Discount Schedule     | DS2                                   |
| GTIN                  | 00785901938828                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.19                                  |
| Returnability         | Y                                     |
| Country of origin     | ID                                    |

## Offer Sustainability

|                           |  |
|---------------------------|--|
| RoHS (date code: YYWW)    | Compliant - since 0903 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                     | Reference not containing SVHC above the threshold  |
| 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 Outputs



BN : Brown  
BU : Blue  
BK : Black

Detection Curves



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