



## Main

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Range of product              | OsiSense XU                                 |
| Series name                   | General purpose single mode                 |
| Electronic sensor type        | Photo-electric sensor                       |
| Sensor name                   | XUB                                         |
| Sensor design                 | Cylindrical M18                             |
| Detection system              | Reflex                                      |
| 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 reflex                             |
| [Sn] nominal sensing distance | 13.12 ft (4 m) reflex need reflector XUZC50 |

## Complementary

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Enclosure material        | PBT                                              |
| Lens material             | PMMA                                             |
| Maximum sensing distance  | 18.04 ft (5.5 m) reflex                          |
| 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                                        |
| Maximum voltage drop      | <1.5 V closed state)                             |
| Current consumption       | 35 mA no-load                                    |
| Maximum delay first up    | 15 ms                                            |
| Maximum delay response    | 1 ms                                             |
| Maximum delay recovery    | 1 ms                                             |
| Setting-up                | Without sensitivity adjustment                   |
| Diameter                  | 0.71 in (18 mm)                                  |
| Length                    | 1.81 in (46 mm)                                  |

## 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 +/- 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<br>IP65 double insulation IEC 60529 |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22415 - SENSORS, PHOTOELECTRIC, BASIC |
| Discount Schedule     | DS2                                   |
| GTIN                  | 00785901928737                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.19 lb(US) (0.09 kg)                 |
| Returnability         | No                                    |
| Country of origin     | ID                                    |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 5.12 in (13 cm)  |
| Package 1 width        | 3.74 in (9.5 cm) |
| Package 1 Length       | 1.61 in (4.1 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>                                                                                                                                                                                                                                                                                                                                           |

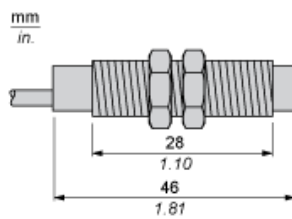
## Contractual warranty

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

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Dimensions

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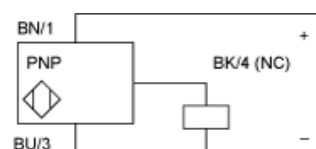


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## Wiring Schemes

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### PNP Outputs

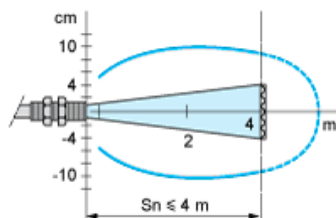


BN : Brown  
BU : Blue  
BK : Black

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Detection Curves

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With reflector XU5C50