



## 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                      | Metal                                                     |
| 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 NO                                                      |
| Electrical connection         | 1 male connector M12, 4 pins                              |
| Product specific application  | -                                                         |
| Emission                      | Infrared thru beam                                        |
| [Sn] nominal sensing distance | 49.21 ft (15 m) thru beam need a transmitter XUB2BKSNM12T |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | Nickel plated brass                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 65.62 ft (20 m) thru beam                         |
| Output type               | Solid state                                       |
| Add on output             | Without                                           |
| 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                    | 2.36 in (60 mm)                                   |
| Product weight            | 0.11 lb(US) (0.05 kg)                             |

## 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<br>IP69K double insulation conforming to DIN 40050 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

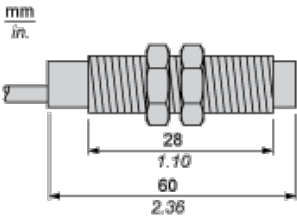
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 0903 - Schneider Electric declaration of conformity                                                      | Compliant - since 0903 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| 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

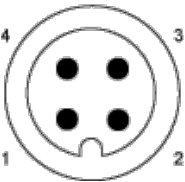
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions



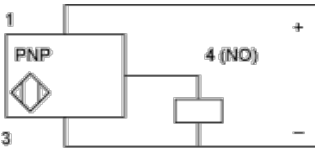
Wiring Schemes

M12 Connector

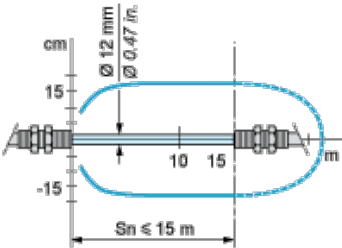


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

PNP Outputs



Detection Curves



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XUB2BPANM12R](#)