

# XUB5ANAWM12

photo-electric sensor - XUB - diffuse - 90° - Sn  
0.6m - 12..24VDC - M12



## 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              | Diffuse                      |
| Material                      | Plastic                      |
| Line of sight type            | 90° lateral                  |
| Type of output signal         | Discrete                     |
| Supply circuit type           | DC                           |
| Wiring technique              | 3-wire                       |
| Discrete output type          | NPN                          |
| Discrete output function      | 1 NO                         |
| Electrical connection         | 1 male connector M12, 4 pins |
| Product specific application  | -                            |
| Emission                      | Infrared diffuse             |
| [Sn] nominal sensing distance | 0.6 m diffuse                |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | PBT                                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 0.8 m diffuse                                     |
| Output type               | Solid state                                       |
| Add on output             | Without                                           |
| Wire insulation material  | PvR                                               |
| Status LED                | 1 LED (yellow) for 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                | Sensitivity adjustment                            |
| Diameter                  | 18 mm                                             |
| Length                    | 62 mm                                             |
| Net weight                | 0.05 kg                                           |

## Environment

|                                       |                                                                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications                | CSA<br>CE<br>UL                                                                                                                                     |
| Ambient air temperature for operation | -25...55 °C                                                                                                                                         |
| Ambient air temperature for storage   | -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<br>IP65 double insulation conforming to IEC 60529<br>IP69K double insulation conforming to DIN 40050 |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Weight             | 41 g   |
| Package 1 Height             | 4.2 cm |
| Package 1 width              | 9.6 cm |
| Package 1 Length             | 6.7 cm |

## Offer Sustainability

|                            |                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                               |
| 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>                                                         |

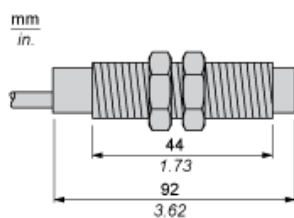
## Contractual warranty

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

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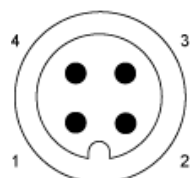
Dimensions

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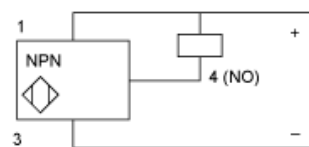
## Wiring Schemes

### M12 Connector



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

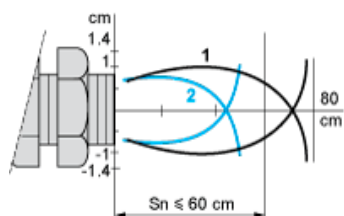
### NPN Outputs



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Detection Curves

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1 : White 90%

2 : Grey 18%

Object 10 x 10 cm