

# XUK5APBNL2

photo-electric sensor - XUK - diffuse - Sn 1m -  
12..24VDC - cable 2m



## Main

|                               |                             |
|-------------------------------|-----------------------------|
| Range of product              | OsiSense XU                 |
| Series name                   | General purpose single mode |
| Electronic sensor type        | Photo-electric sensor       |
| Sensor name                   | XUK                         |
| Sensor design                 | Compact 50 x 50             |
| Detection system              | Diffuse                     |
| Material                      | Plastic                     |
| 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                  | 2 m                         |
| Product specific application  | -                           |
| Emission                      | Infrared diffuse            |
| [Sn] nominal sensing distance | 1 m diffuse                 |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | PBT                                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 1.5 m diffuse                                     |
| Output type               | Solid state                                       |
| Wire insulation material  | PVC                                               |
| Status LED                | 1 LED (yellow) for output state                   |
| [Us] rated supply voltage | 12...24 V DC                                      |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection) |
| Switching frequency       | <= 250 Hz                                         |
| Maximum voltage drop      | <1.5 V (closed state)                             |
| Current consumption       | <= 35 mA no-load                                  |
| Maximum delay first up    | 15 ms                                             |
| Maximum delay response    | 2 ms                                              |
| Maximum delay recovery    | 2 ms                                              |
| Setting-up                | Without sensitivity adjustment                    |
| Depth                     | 50 mm                                             |
| Height                    | 50 mm                                             |
| Width                     | 18 mm                                             |
| Net weight                | 0.07 kg                                           |

## Environment

|                                       |                                                                           |
|---------------------------------------|---------------------------------------------------------------------------|
| Product certifications                | UL<br>CSA<br>CE                                                           |
| 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               | IP65 double insulation conforming to IEC 60529                            |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.163 kg |
| Package 1 Height | 0.420 dm |
| Package 1 width  | 0.960 dm |
| Package 1 Length | 1.320 dm |

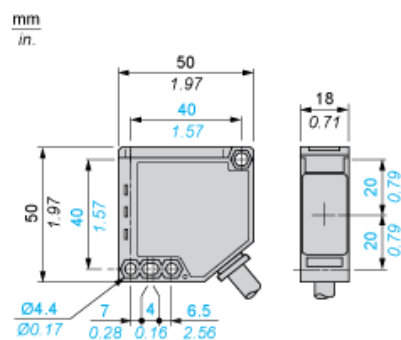
## Offer Sustainability

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|----------|-----------|

## Dimensions

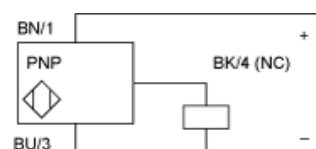


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## Wiring Schemes

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### PNP Outputs

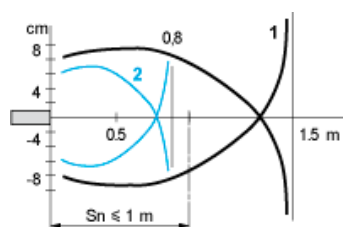


BN : Brown  
BU : Blue  
BK : Black

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### Detection Curves

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1 : White 90%

2 : Grey 18%

Object 10 x 10 cm