

# XUK9APBNL2

Photoelectric sensors XU, photo electric sensor, XUK, polarised, Sn 5 m, 12...24 VDC, cable 2 m



## Main

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Range of product              | Telemecanique Photoelectric sensors XU     |
| Series name                   | General purpose single mode                |
| Electronic sensor type        | Photo-electric sensor                      |
| Sensor name                   | XUK                                        |
| Sensor design                 | Compact 50 x 50                            |
| Detection system              | Polarised reflex                           |
| 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                      | Red polarised reflex                       |
| [Sn] nominal sensing distance | 6 m polarised reflex need reflector XUZC50 |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | PBT                                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 8 m polarised reflex                              |
| Output type               | Solid state                                       |
| Wire insulation material  | PVC                                               |
| 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                                         |
| 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                                           |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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               | IP65 double insulation conforming to IEC 60529                            |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.166 kg |
| Package 1 Height | 0.420 dm |
| Package 1 width  | 0.950 dm |
| Package 1 Length | 1.320 dm |

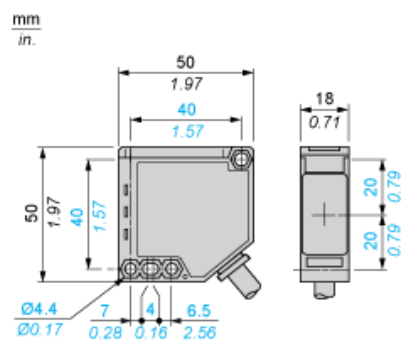
## Offer Sustainability

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

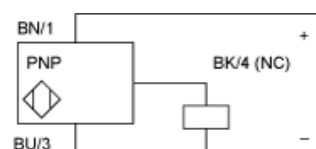
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



## Wiring Schemes

### PNP Outputs

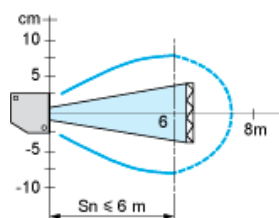


BN : Brown  
BU : Blue  
BK : Black

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Detection Curves

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With reflector XUZY50