



**Main**

|                               |  |
|-------------------------------|--|
| Range of product              | Telemecanique Photoelectric sensors XU |
| Series name                   | General purpose multimode              |
| Electronic sensor type        | Photo-electric sensor transmitter      |
| Sensor name                   | XUK                                    |
| Sensor design                 | Compact 50 x 50                        |
| Detection system              | Thru beam                              |
| Material                      | Plastic                                |
| Supply circuit type           | DC                                     |
| Wiring technique              | 3-wire                                 |
| Electrical connection         | Cable                                  |
| Cable length                  | 2 m                                    |
| Product specific application  | -                                      |
| Emission                      | Infrared thru beam                     |
| [Sn] nominal sensing distance | 30 m thru beam need a receiver         |

**Complementary**

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 35 m thru beam                                    |
| Add on input              | Test by emission breaking                         |
| Wire insulation material  | PvR   |
| Status LED                | 1 LED (green) for supply on                       |
| [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       | <= 250 Hz   |
| Maximum voltage drop      | <1.5 V (closed state)                             |
| Current consumption       | 20 mA no-load                                     |
| Maximum delay first up    | 300 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   |

**Environment**

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA[RETURN]JUL[RETURN]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

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 13.0 cm  |
| Package 1 Width              | 9.5 cm   |
| Package 1 Length             | 4.2 cm   |
| Package 1 Weight             | 167.0 g  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 22       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 3.872 kg |

## Offer Sustainability

|  |   |
|--|---|
| Sustainable offer status                   | Green Premium product   |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisobutyl 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>  |

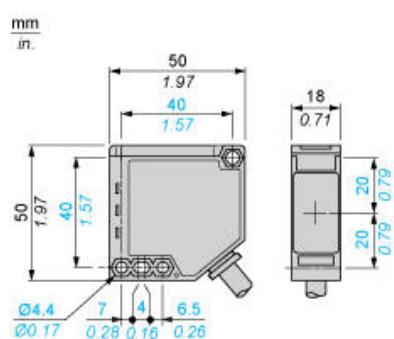
## Contractual warranty

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

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Dimensions

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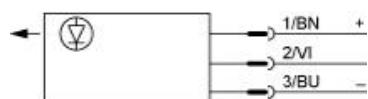


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### Wiring Schemes

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#### Thru-beam Transmitter DC



(+) Brown

BN :

(-) Blue

BU :

VI : Violet

Input 2/VI:

- not connected: beam made

- connected to -: beam broken

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### Detection Curves

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With Thru-beam Accessory (Thru-beam)

