

# Product data sheet

# XUK9ARCNL2

Photoelectric sensor XUK, polarised, Sn 6 m, 24...240 VAC/DC, cable 2 m, NO/NC

## Main

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|---|---|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Sensor name | XUK |
| Electronic sensor type | Photo-electric sensor |
| Sensor design | Compact 50 x 50 |
| Product specific application | Not applicable |
| ETIM classification | ETIM 9 - EC002717 - Retroreflective photoelectric sensor |
| Material | Plastic |
| Lens material | PMMA |
| Enclosure material | PBT |
| [Sn] nominal sensing distance | 6-6 m polarised reflex need reflector XUZC50 |
| Maximum sensing distance | 8 m polarised reflex |
| Wiring technique | 5-wire |
| Detection system | Polarised reflex |
| Delay response | 25 ms |
| Indivisible sale quantity | 1 |

## Complementary

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|---|---|
| Sensing range | > 1...5 m |
| Electrical durability | 500000 cycles, cos f = 1 , operating rate <60 cyc/mn at 250 V |
| Electrical connection | Cable |
| Cable length | 2 m |
| Supply voltage limits | 20-264 V AC, 20-264 V DC |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply circuit type | AC/DC |
| Switching capacity in mA | 3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | <= 35 mA no-load |
| Emission | Red polarised reflex |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.
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| | |
|---|---|
| Setting-up | Without sensitivity adjustment |
| Output type | Relay |
| Type of output signal | Discrete |
| Discrete output function | 1 C/O |
| Switching frequency | 20 Hz |
| Status LED | 1 LED (yellow) for output state, 1 LED (green) for supply |
| Delay first up | 60 ms |
| Delay recovery | 25 ms |
| Height | 50 mm |
| Width | 18 mm |
| Depth | 50 mm |
| Product weight | 0.035 kg |

## Environment

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|---|---|
| IP degree of protection | IP65 double insulation conforming to IEC 60529 |
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for operation | -25-55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| Vibration resistance | 7 gn, amplitude = +/- 1.5 mm (f = 10-55 Hz) conforming to IEC 60068-2-6 |

## Offer Sustainability

| | |
|---|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov |

## Warranty

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

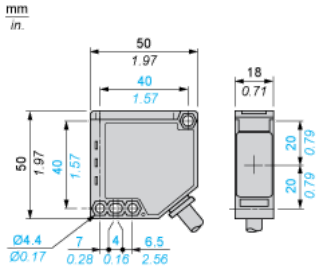
## Packing Units

| | |
|---|---|
| Country of origin | ID (Indonesia) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916037393 |
| Package 1 height | 4.2 cm |
| Package 1 width | 9.5 cm |
| Package 1 length | 13.2 cm |
| Package 1 weight | 0.19 kg |
| Unit type of package 2 | S02 |

| | |
|---|---|
| Number of units in package 2 | 22 |
| New Package 2 GTIN 14 | 13666916037390 |
| Package 2 height | 30 cm |
| Package 2 width | 15 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 4.6553 kg |
| Unit type of package 3 | S03 |
| Number of units in package 3 | 44 |
| New Package 3 GTIN 14 | 23666916037397 |
| Package 3 height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 length | 40 cm |
| Package 3 weight | 81.604 kg |

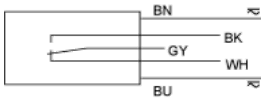
## Technical Drawings

### Dimensions



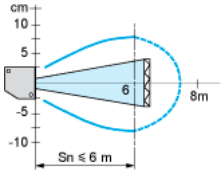

### Wiring Schemes

Relay Output




- BN : Brown
- BU : Blue
- NO/BK : Black
- Relay common/GY : Grey
- NC/WH : White

### Detection Curves




With reflector XUZC50