# XUK1ARCNL2

Photoelectric sensors XU, XUK, reflex, Sn 7 m, 24...240VAC/DC, cable 2 m

Green Premium™



## 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 | Reflex |
| Material | Plastic |
| Type of output signal | Discrete |
| Supply circuit type | AC/DC |
| Wiring technique | 5-wire |
| Discrete output function | 1 C/O |
| Electrical connection | Cable |
| Cable length | 2 m |
| Product specific application | - |
| Emission | Infrared reflex |
| [Sn] nominal sensing distance | 7 m reflex need reflector XUZC50 |

## Complementary

| | |
|---|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 10 m reflex |
| Output type | Relay |
| Add on input | Breaking test |
| Cable composition | 5 x 0.34 mm² |
| Wire insulation material | PVC |
| Cable outer diameter | 6 mm |

Life Is On | Schneider Electric

| Status LED | 1 LED (yellow) for output state |
|---|---|
| | 1 LED (green) for supply |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply voltage limits | 20…264 V AC |
| Switching capacity in mA | 3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) |
| Switching frequency | <= 20 Hz |
| Current consumption | <= 35 mA no-load |
| Maximum power consumption in W | 2 W AC |
| Maximum delay first up | 60 ms |
| Maximum delay response | 25 ms |
| Maximum delay recovery | 25 ms |
| Setting-up | Without sensitivity adjustment |
| Electrical durability | 500000 cycles, cos f = 1, operating rate <60 cyc/mn at 250 V |
| Depth | 50 mm |
| Height | 50 mm |
| Width | 18 mm |
| Product weight | 0.035 kg |

## Environment

| Product certifications | Ecolab |
|---|---|
| | 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 Weight | 185 g |
| Package 1 Height | 4.2 cm |
| Package 1 width | 13.2 cm |
| Package 1 Length | 9.6 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 22 |
| Package 2 Weight | 4.641 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |
| Unit Type of Package 3 | PAL |
| Number of Units in Package 3 | 352 |
| Package 3 Weight | 80.9 kg |
| Package 3 Height | 77 cm |
| Package 3 width | 60 cm |
| Package 3 Length | 80 cm |

## Offer Sustainability

| Sustainable offer status | Green Premium product |
|---|---|
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| | EU RoHS Declaration |
| Mercury free | Yes |

| | |
|---|---|
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| 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 |

## Contractual warranty

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

## Dimensions

Life Is On | Schneider Electric
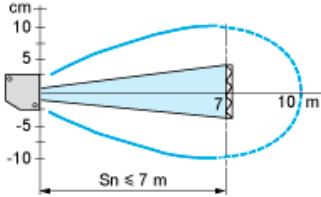
# XUK1ARCNL2

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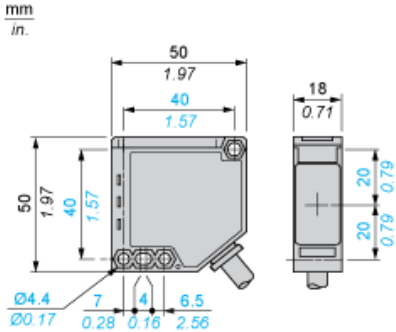
## Wiring Schemes

### Relay Output
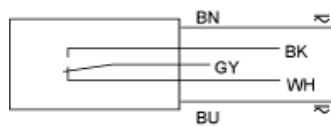


BN : Brown
BU : Blue
NO/BK : Black
Relay common/GY : Grey
NC/WH : White

## Detection Curves



With reflector XUZC50