

# Product datasheet

Specifications



## photo-electric sensor - XUK - reflex - Sn 7m - 24..240VAC/DC - cable 2m

Local distributor code: 388765889    XUK1ARCNL2

### 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                                                        |
| Status LED                | 1 LED (yellow) for output state<br>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                                                                           |
| Net weight                     | 0.035 kg                                                                        |

### Environment

|                                       |                                                                           |
|---------------------------------------|---------------------------------------------------------------------------|
| Product certifications                | Ecolab<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

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 185.0 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 |
|------------------|-------|

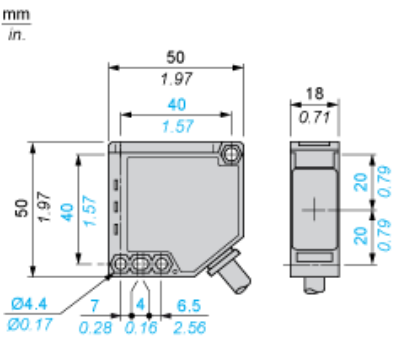
Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><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

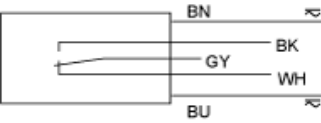
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



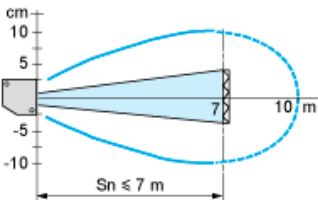
Wiring Schemes

Relay Output



- BN : Brown
- BU : Blue
- NO/BK : Black
- Relay coil/GY : Green
- NC/WH : White

Detection Curves



With reflector XUZC50