

# XUK5ARCNL2

Photoelectric sensors XU, XUK, diffuse, Sn 1 m, 24...240VAC/DC, 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              | Diffuse                                |
| 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                  | 6.56 ft (2 m)                          |
| Product Specific Application  | -                                      |
| Emission                      | Infrared diffuse                       |
| [Sn] nominal sensing distance | 3.28 ft (1 m) diffuse                  |

## Complementary

|                                |                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------|
| Enclosure Material             | PBT                                                                                    |
| Lens material                  | PMMA                                                                                   |
| Maximum sensing distance       | 4.92 ft (1.5 m) diffuse                                                                |
| Output Type                    | Relay                                                                                  |
| Cable composition              | 5 x 0.34 mm <sup>2</sup>                                                               |
| Wire insulation material       | PVC                                                                                    |
| Cable outer diameter           | 0.24 in (6 mm)                                                                         |
| Status LED                     | 1 LED yellow)output state<br>1 LED green)supply                                        |
| [Us] rated supply voltage      | 24...240 V AC/DC                                                                       |
| Supply voltage limits          | 20...264 V AC                                                                          |
| Switching capacity in mA       | 3 A cos $\varphi$ = 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                     | Sensitivity adjustment                                                                 |
| Electrical durability          | 500000 cycles 1 60 cyc/mn 250 V                                                        |
| Depth                          | 1.97 in (50 mm)                                                                        |
| Height                         | 1.97 in (50 mm)                                                                        |
| Width                          | 0.71 in (18 mm)                                                                        |
| Net Weight                     | 0.08 lb(US) (0.035 kg)                                                                 |

## Environment

|                                       |                                           |
|---------------------------------------|-------------------------------------------|
| Product Certifications                | Ecolab<br>CE                              |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C)                |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                |
| Vibration resistance                  | 7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6 |
| Shock resistance                      | 30 gn 11 ms) IEC 60068-2-27               |
| IP degree of protection               | IP65 double insulation IEC 60529          |

## Ordering and shipping details

|                   |                                         |
|-------------------|-----------------------------------------|
| Category          | 21571-SENSORS, ELECTRONIC BASIC XU & XS |
| Discount Schedule | DS2                                     |
| GTIN              | 3389110163049                           |
| Returnability     | Yes                                     |
| Country of origin | ID                                      |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 1.65 in (4.199 cm)      |
| Package 1 Width              | 3.78 in (9.599 cm)      |
| Package 1 Length             | 5.17 in (13.137 cm)     |
| Package 1 Weight             | 6.38 oz (181.0 g)       |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 22                      |
| Package 2 Height             | 5.91 in (15.0 cm)       |
| Package 2 Width              | 11.81 in (30.0 cm)      |
| Package 2 Length             | 15.75 in (40.0 cm)      |
| Package 2 Weight             | 10.39 lb(US) (4.711 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| 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

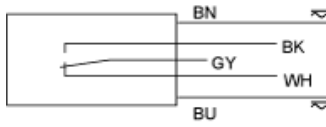
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



## Wiring Schemes

### Relay Output

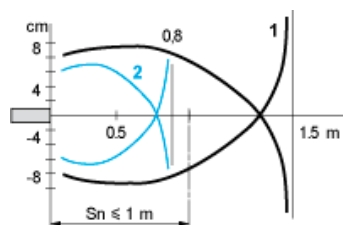


BN : Brown  
BU : Blue  
NO/ Black  
BK :  
RelayGrey  
common/  
GY :  
NC/ White  
WH :

---

Detection Curves

---



1 : White 90%

2 : Grey 18%

Object 10 x 10 cm

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Telemecanique Sensors:](#)

[XUK5ARCNL2](#)