

# XUK0AKSAL2

photo-electric sensor - XUK - multi - Sn 0..30m  
- 12..24VDC - cable 2m

## Main

|                               |  |
|-------------------------------|--|
| Commercial Status             | Commercialised   |
| Range of product              | OsiSense XU  |
| Series name                   | General purpose multimode  |
| Electronic sensor type        | Photo-electric sensor  |
| Sensor name                   | XUK  |
| Sensor design                 | Compact 50 x 50  |
| Detection system              | Multimode  |
| Material                      | Plastic  |
| Type of output signal         | Discrete   |
| Supply circuit type           | DC   |
| Wiring technique              | 3-wire   |
| Discrete output type          | PNP or NPN   |
| Discrete output function      | 1 NO or 1 NC programmable  |
| Electrical connection         | Cable  |
| Cable length                  | 2 m  |
| Product specific application  | -  |
| Emission                      | Red polarised reflex<br>Infrared thru beam<br>Infrared diffuse with background suppression<br>Infrared diffuse   |
| [Sn] nominal sensing distance | 30 m thru beam need a transmitter XUK0AKSAL2T<br>4 m polarised reflex need reflector XUZC50<br>0.8 m diffuse<br>0.28 m diffuse with background suppression |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 5.7 m polarised reflex<br>1.2 m diffuse<br>0.28 m diffuse with background suppression<br>35 m thru beam |
| Output type               | Solid state   |
| Add on output             | With alarm output, <= 50 mA with overload and short-circuit protection                                  |
| Wire insulation material  | PvR   |
| Status LED                | 1 LED (yellow) for output state<br>1 LED (red) for instability<br>1 LED (green) for supply              |
| [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   |
| Voltage drop              | <= 1.5 V (closed state)   |
| Current consumption       | <= 35 mA (no-load)  |
| Delay first up            | < 200 ms  |
| Delay response            | < 2 ms  |
| Delay recovery            | < 2 ms  |
| Setting-up                | Self-teaching   |
| Depth                     | 18 mm   |
| Height                    | 50 mm   |

|                |          |
|----------------|----------|
| Width          | 50 mm    |
| Product weight | 0.175 kg |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CE<br>CSA<br>UL   |
| 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                            |

## RoHS compliance

|                                |           |
|--------------------------------|-----------|
| RoHS EUR status                | Compliant |
| RoHS EUR conformity date(YYWW) | 0903      |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|