

# XUK0ARCTL2

photo-electric sensor - XUK - multi - Sn 0..30m  
- 24..240VAC/DC - cable 2m



Product availability: Stock - Normally stocked in distribution facility



## 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           | AC/DC                                                                                                                                                                                                |
| Wiring technique              | 5-wire                                                                                                                                                                                               |
| Discrete output function      | 1 NO or 1 NC programmable                                                                                                                                                                            |
| Electrical connection         | Cable                                                                                                                                                                                                |
| Cable length                  | 6.56 ft (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 | 98.43 ft (30 m) thru beam need a transmitter XUK0ARCTL2T<br>13.12 ft (4 m) polarised reflex need reflector XUZC50<br>2.62 ft (0.8 m) diffuse<br>0.92 ft (0.28 m) diffuse with background suppression |

## Complementary

|                           |                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure material        | PBT                                                                                                                                               |
| Lens material             | PMMA                                                                                                                                              |
| Maximum sensing distance  | 18.7 ft (5.7 m) polarised reflex<br>3.94 ft (1.2 m) diffuse<br>0.92 ft (0.28 m) diffuse with background suppression<br>114.83 ft (35 m) thru beam |
| Output type               | Relay                                                                                                                                             |
| Add on output             | Without, <= 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 | 24...240 V DC<br>24...240 V AC                                                                                                                    |
| Supply voltage limits     | 20...264 V DC<br>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                                                                                                                                          |
| Voltage drop              | <= 1.5 V (closed state)                                                                                                                           |
| Power consumption in W    | 3 W AC/DC                                                                                                                                         |
| Time delay range          | 0...10 s monostable, on-delay or off-delay (programmable) delay                                                                                   |

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Delay first up        | < 300 ms                                               |
| Delay response        | < 25 ms                                                |
| Delay recovery        | < 25 ms                                                |
| Setting-up            | Self-teaching                                          |
| Electrical durability | 500000 cycles, $\cos \varphi = 1$ , 60 cyc/mn at 250 V |
| Depth                 | 1.97 in (50 mm)                                        |
| Height                | 1.97 in (50 mm)                                        |
| Width                 | 0.71 in (18 mm)                                        |
| Product weight        | 0.39 lb(US) (0.175 kg)                                 |

## Environment

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

## Ordering and shipping details

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Category              | 22481 - SENSORS, PHOTOELECTRIC                    |
| Discount Schedule     | DS2                                               |
| GTIN                  | 00785901510178                                    |
| Nbr. of units in pkg. | 1                                                 |
| Package weight(Lbs)   | 0.41                                              |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y                                                 |
| Country of origin     | ID                                                |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS                             | Compliant - since 0903 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                 |

## Contractual warranty

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