

# Product data sheet

Specifications



## Photoelectric sensors XU, XUK, emitter, 12...24 VDC, cable 2 m

XUK2AKSNL2T

### Main

Range Of Product	Telemecanique Photoelectric sensors XU
Series Name	General purpose single mode
Electronic Sensor Type	Photo-electric sensor transmitter
Sensor Name	XUK
Sensor Design	Compact 50 x 50
Detection System	Thru beam
Material	Plastic
Supply Circuit Type	DC
Wiring Technique	3-wire
Electrical Connection	Cable
Cable Length	2 m
Product Specific Application	-
Emission	Infrared thru beam
[Sn] Nominal Sensing Distance	30 m thru beam need a receiver

### Complementary

Enclosure Material	PBT
Lens Material	PMMA
Maximum Sensing Distance	45 m thru beam
Add On Input	Test by emission breaking
Wire Insulation Material	PVC
Status Led	1 LED (green) for supply on
[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
Maximum Voltage Drop	<1.5 V (closed state)
Current Consumption	<= 35 mA no-load
Maximum Delay First Up	15 ms
Maximum Delay Response	2 ms
Maximum Delay Recovery	2 ms

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Setting-Up	Without sensitivity adjustment
Depth	50 mm
Height	50 mm
Width	18 mm
Net Weight	0.19 kg

## Environment

Product Certifications	CE CSA 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

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.7 cm
Package 1 Length	13.2 cm
Package 1 Weight	161.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	22
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.103 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

## Well-being performance



Mercury Free



Rohs Exemption Information

Yes

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

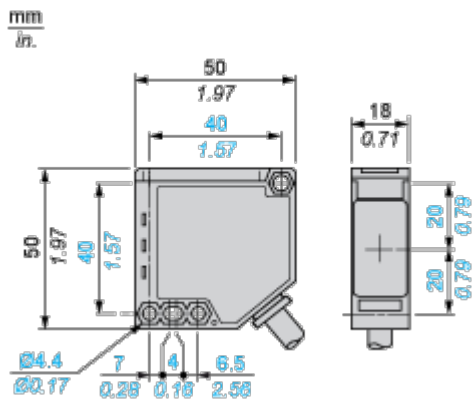
Pro-active compliance (Product out of EU RoHS legal scope)

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 Diisodecyl 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](http://www.P65Warnings.ca.gov)

Dimensions Drawings

Dimensions

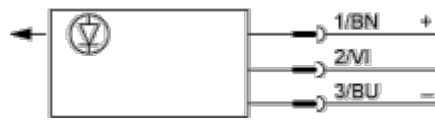


Connections and Schema

Wiring Schemes

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Transmitter



BN : Brown

BU : Blue

VI : Violet

Input 2/VI:

- not connected: beam made
- connected to -: beam broken

Performance Curves

Detection Curves

