

# XUK2ANANM12R

photo-electric sensor - XUK - receiver - Sn 30m  
- 12..24VDC - M12



## Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor receiver
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Thru beam
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	30 m thru beam need a transmitter XUK2AKSNM12T

## Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	45 m thru beam
Output type	Solid state
Add on output	Without
Status LED	1 LED (yellow) for output state
[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
Setting-up	Without sensitivity adjustment
Depth	50 mm
Height	50 mm
Width	18 mm
Net weight	0.075 kg

## Environment

Product certifications	CE UL CSA
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

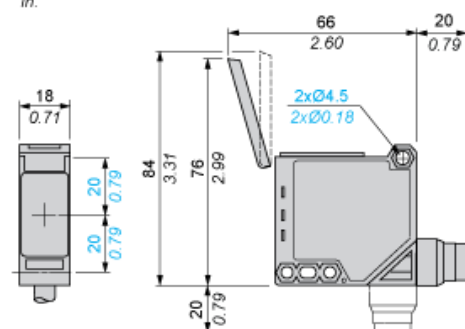
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	62 g
Package 1 Height	4.2 cm
Package 1 width	6.7 cm
Package 1 Length	9.6 cm
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Weight	3.239 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 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) <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
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$$\frac{\text{mm}}{\text{in.}}$$


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Mounting and Clearance

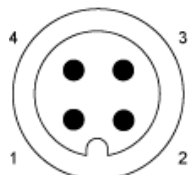
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Possible Orientation of Elbowed Connector



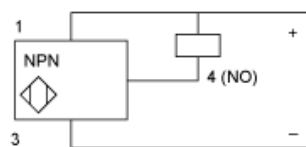
## Wiring Schemes

### M12 Connector



- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

### NPN Outputs



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Detection Curves

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