

# XUK0AKSAM12T

photo-electric sensor - XUK - emitter -  
12..24VDC - M12

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

Range of product	OsiSense XU
Series name	General purpose multimode
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	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	98.43 ft (30 m) thru beam need a receiver

## Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	114.83 ft (35 m) thru beam
Add on input	Test by emission breaking
Status LED	1 LED (green) 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
Voltage drop	<= 1.5 V (closed state)
Current consumption	20 mA (no-load)
Delay first up	<= 300 ms
Delay response	<= 2 ms
Delay recovery	<= 2 ms
Setting-up	Without sensitivity adjustment
Depth	1.97 in (50 mm)
Height	1.97 in (50 mm)
Width	0.71 in (18 mm)
Product weight	0.2 lb(US) (0.09 kg)

## Environment

Product certifications	CSA UL 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, 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	00785901840596
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14999999999999999
Returnability	N
Country of origin	ID

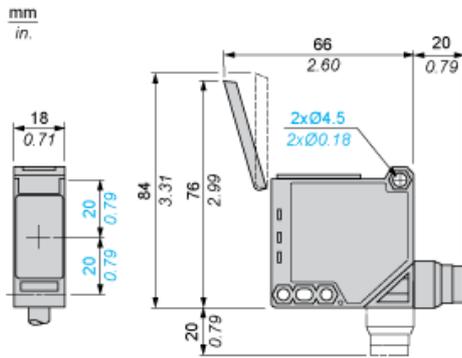
## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0903 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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Dimensions

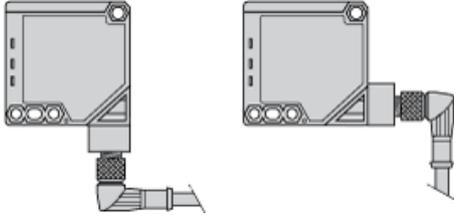


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Mounting and Clearance

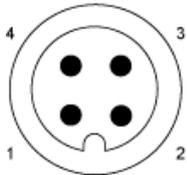
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Possible Orientation of Elbowed Connector



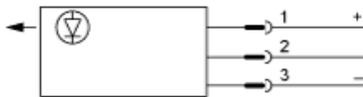
## Wiring Schemes

### M12 Connector



- 1 : (+)
- 2 : Alarm or beam break input (1)
- 3 : (-)
- 4 : OUT/Output
- (1) Beam break input on thru-beam transmitter only

### Thru-beam Transmitter DC



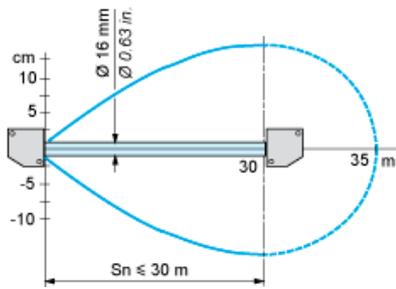
- Input 2:
- not connected: beam made
  - connected to -: beam broken

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Detection Curves

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With Thru-beam Accessory (Thru-beam)



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[FE7C-FRC6S-M](#) [FX-305](#) [PM-R24-R](#) [Q45VR2FPQ](#) [13104RQD07](#) [E3JUXM4MN](#) [E3L2DC4](#) [E3S3LE21](#) [E3SCT11M1J03M](#) [E3SDS20E21](#)  
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