Product datasheet
Characteristics

XUK2AKSNM12T

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

Main

Range of product	OsiSense 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	1 male connector M12, 4 pins
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
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
Voltage drop	<= 1.5 V (closed state)
Current consumption	<= 35 mA (no-load)
Delay first up	<= 15 ms
Delay response	<= 2 ms
Delay recovery	<= 2 ms
Setting-up	Without sensitivity adjustment
Depth	50 mm
Height	50 mm
Width	18 mm
Product weight	0.07 kg

Environment

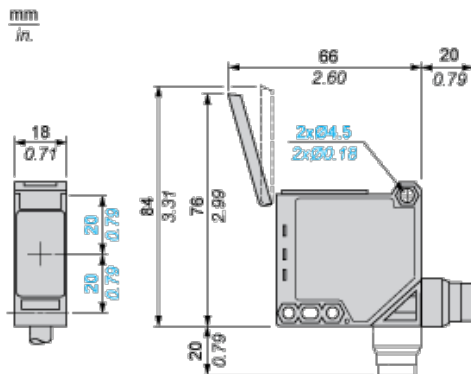|	
product certifications	CE CSA UL
ambient air temperature for operation	-25...55 °C
ambient air temperature for storage	-40...70 °C
vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 double insulation conforming to IEC 60529

Offer Sustainability

Sustainable offer status	Not Green Premium product

Schneider Electric

RoHS (date code: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months

Dimensions

Mounting and Clearance

Possible Orientation of Elbowed Connector
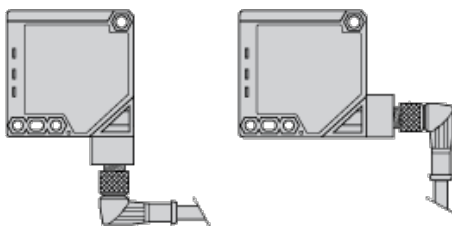
Wiring Schemes

M12 Connector
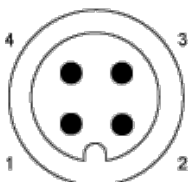
1 :   (+)

2 :   Beam break input (1)

3 :   (-)

4 :   OUT/Output

(1)   Beam break input on thru-beam transmitter only

Transmitter

Input 2:

- not connected: beam made

- connected to -: beam broken

Detection Curves