

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



Main

Range of product	OsiSense XU
Series name	Application assembly Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Diffuse with background suppression
Material	Plastic
Type of output signal	Discrete
Wiring technique	5-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 5 pins
Product specific application	Suppression of a background Distance measurement on object
Emission	Red laser diffuse with background suppression (class 1) conforming to IEC 60825-1
[Sn] nominal sensing distance	5 m diffuse with background suppression

Complementary

Enclosure material	ABS/PC
Lens material	PMMA
Maximum sensing distance	5 m diffuse with background suppression
Output type	Solid state
Add on input	External teach
Wire insulation material	PVC
Status LED	1 LED (yellow) output state 1 LED (green/yellow) supply on/output state
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10...30 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	<= 60 mA (no-load)
Delay first up	< 300 ms
Delay response	< 2 ms
Delay recovery	< 2 ms
Setting-up	Using teach button or remote teaching
Depth	1.97 in (50 mm)
Height	1.97 in (50 mm)
Width	0.91 in (23 mm)
Product weight	0.08 lb(US) (0.035 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	CE CULus Ecolab
Ambient air temperature for operation	-40...140 °F (-40...60 °C) -4...122 °F (-20...50 °C), UL certified
Ambient air temperature for storage	-40...176 °F (-40...80 °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	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119618069
Nbr. of units in pkg.	1
Package weight(Lbs)	0.13
Returnability	N
Country of origin	DE

Offer Sustainability

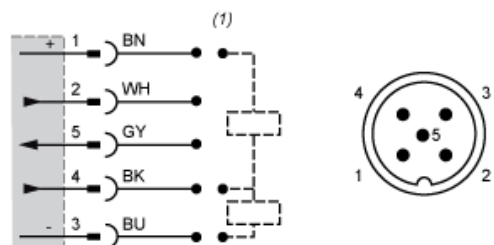
RoHS (date code: YYWW)	Will not be compliant
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Connections and Schema

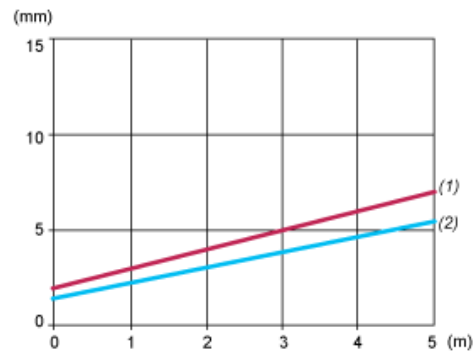
Connector Wiring



- (1) Auto-detect
1: + UB (BN: Brown)
2: Q2 (WH: White)
3: -UB (BU: Blue)
4: Q1(BK: Black)
5: IN (GY: Grey)

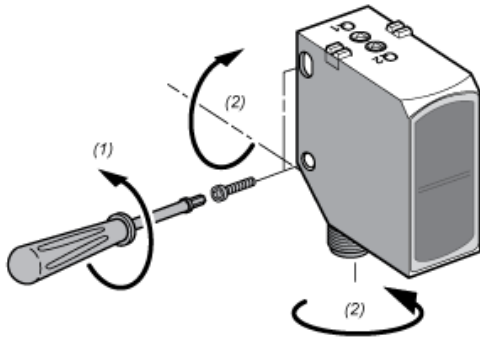
Curves

Size of light spot (typical)



(1) Vertical (y)
(2) Horizontal (x)
0... Size
15
mm :
0...5 Distance
m :

Mounting



- (1) < 1,5 Nm (13 lb-in)
- (2) < 1 Nm (8.85 lb-in)

Mouser Electronics

Authorized Distributor

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[XUK8TAKDMM12](#)