



## 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
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red laser diffuse with background suppression class 1
[Sn] nominal sensing distance	2.62 ft (0.8 m) diffuse with background suppression

## Complementary

Enclosure material	ABS/PC
Lens material	PMMA
Maximum sensing distance	2.62 ft (0.8 m) diffuse with background suppression
Output type	Solid state
Add on input	External teach
Status LED	1 LED yellow/output state 1 LED green/yellow/supply on/output state
[Us] rated supply voltage	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
Maximum voltage drop	<2 V

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

Current consumption	<= 30 mA no-load
Maximum delay first up	300 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 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)
Net weight	0.08 lb(US) (0.035 kg)

## Environment

Product certifications	CULus Ecolab CE
Ambient air temperature for operation	-4...122 °F (-20...50 °C), UL -4...140 °F (-20...60 °C) discrete output
Ambient air temperature for storage	-4...176 °F (-20...80 °C)
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 IEC 60529 IP69K DIN 40050

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.83 oz (52 g)
Package 1 Height	1.10 in (2.8 cm)
Package 1 width	3.54 in (9 cm)
Package 1 Length	2.36 in (6 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	28
Package 2 Weight	3.77 lb(US) (1.708 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

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>

## Contractual warranty

Warranty	18 months
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