



## Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Specific application of photoelectric detector	Bottle detection on blow moulding machinery Detection of transparent parts Thru beam on a conveyor
Sensor name	XUY
Sensor design	Compact
Material	Plastic
Detection system	Polarised reflex
Emission	Red LED
[Sn] nominal sensing distance	0.00...31.50 in (0...80 cm) reflector 50 x 50 mm at 80 cm maximum
Discrete output type	PNP/NPN
Electrical connection	1 male connector M8, 4 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	100 mA overload and short-circuit protection)
Current consumption	< 45 mA no-load

## Complementary

Enclosure material	Polycarbonate strong housing
Pulse frequency	8 kHz
Type of output signal	Discrete
Output type	Solid state
Add on input	Remote input
Supply circuit type	DC
Supply voltage limits	10...30 V DC
Switching frequency	< 1 kHz
Maximum voltage drop	<2 V 100 mA closed state) <1 V 10 mA closed state)
Time delay range	0...5 s
Maximum delay response	500 µs

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

Maximum delay recovery	500 µs
Setting-up	Sensitive adjustment with teach mode

## Environment

Product certifications	CULus CE
Ambient air temperature for operation	32...122 °F (0...50 °C)
Ambient air temperature for storage	-4...176 °F (-20...80 °C)
Immunity to ambient light	10000 lux incandescent bulb 20000 lux natural light
IP degree of protection	IP67

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.33 oz (66 g)
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	2.76 in (7 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	35
Package 2 Weight	6.02 lb(US) (2.732 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 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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