



Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact 50 x 50
Detection system	Diffuse
Material	Plastic
Supply circuit type	DC
Wiring technique	5-wire
Discrete output type	PNP
Analogue output range	4...20 mA
Electrical connection	1 male connector M12, 5 pins
Product specific application	Measuring thickness of mechanical parts Position control of robot arm
Emission	Red laser, pulsed 0.000025591 in (650 nm) - class 1 IEC 825-1
[Sn] nominal sensing distance	3.15...11.81 in (80...300 mm)

Complementary

Enclosure material	ABS, anti-shock
Pulse frequency	2.5 kHz
Linearity	< 0.25 %
Spot diameter	5.25 mm at 80 mm
Spot dimension	1.5 x 3.5 mm at 80 mm
Resolution	200 µm
Status LED	Supply on 1 LED green) Dirty 1 LED red)
[Us] rated supply voltage	24 V DC reverse polarity protection
Supply voltage limits	18...28 V DC
Switching capacity in mA	100 mA overload and short-circuit protection)
Switching frequency	< 40 Hz
Maximum voltage drop	<2.4 V closed state)

Current consumption	40 mA no-load
Maximum delay response	40 ms output circuit medium speed mode 0.4 ms output circuit fast speed mode
Setting-up	Parametering by buttons
Net weight	0.13 lb(US) (0.057 kg)

Environment

Product certifications	CE
Ambient air temperature for operation	32...113 °F (0...45 °C)
Ambient air temperature for storage	-4...140 °F (-20...60 °C)
Immunity to ambient light	5000 lux natural light
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

Packing Units

Package 1 Weight	0.13 lb(US) (0.058 kg)
Package 1 Height	0.300 dm
Package 1 width	0.700 dm
Package 1 Length	1.000 dm

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
----------	-----------