



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	4-wire
Analogue output range	0...10 V
Electrical connection	1 male connector M12, 4 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	1.77...3.35 in (45...85 mm)

Complementary

Enclosure material	ABS, anti-shock
Pulse frequency	6 kHz
Linearity	< 1 %
Spot diameter	0.8 mm at 65 mm
Spot dimension	Ø 0.8 mm at 65 mm
Resolution	20 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	3 mA overload and short-circuit protection)
Switching frequency	< 40 Hz
Maximum voltage drop	<2.4 V closed state)
Current consumption	35 mA no-load

Maximum delay response	30 ms output circuit
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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.62 oz (46 g)
Package 1 Height	1.10 in (2.8 cm)
Package 1 width	2.36 in (6 cm)
Package 1 Length	3.58 in (9.1 cm)

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
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