



Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Fiber design
Detection system	Diffuse
Emission	White LED (450 - 650 nm)
[Sn] nominal sensing distance	0.71 in (18 mm) with fiber optic XUYFPDC61/101 0.16 in (4 mm) with fiber optic XUYFPDCM861/M8101
Material	Plastic
Switching frequency	< 20 kHz
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP and NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins

Complementary

Enclosure material	Polyamide
Lens material	Polyamide
Pulse frequency	40 kHz
Spot diameter	1.5 mm
Depth of field	- 3...1 mm with fiber optic XUYFPDC61/101 - 5...7 mm with fiber optic XUYFPDC61/101 +/- 1 mm with fiber optic XUYFPDCM861/M8101
Output type	Solid state
Status LED	Output state indication 1 LED
[Us] rated supply voltage	24 V DC reverse polarity protection
Supply voltage limits	10...30 V DC
Voltage state 0 guaranteed	< 1.4 V

Voltage state 1 guaranteed	> 3 V
Switching capacity in mA	100 mA overload and short-circuit protection)
Maximum voltage drop	<2 V closed state)
Current consumption	50 mA
Maximum delay response	25 µs
Maximum delay recovery	25 µs
Setting-up	With sensitivity adjustment
Net weight	0.10 lb(US) (0.047 kg)

Environment

Product certifications	CE CULus
Ambient air temperature for operation	32...104 °F (0...40 °C)
Ambient air temperature for storage	-4...176 °F (-20...80 °C)
Immunity to ambient light	10000 lux natural light 20000 lux incandescent bulb
IP degree of protection	IP65 IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.66 oz (47 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	4.68 lb(US) (2.123 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	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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