



Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact
Detection system	Polarised reflex
Material	Plastic
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP/NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Detection of shiny parts Through beam on a conveyor Position or presence control of parts on conditioning machine
Emission	Red LED
[Sn] nominal sensing distance	3.28 ft (1 m) with reflector Ø 46 mm 6.56 ft (2 m) with reflector Ø 84 mm

Complementary

Enclosure material	Polycarbonate strong housing
Pulse frequency	8 kHz
Output type	Solid state
Add on input	Remote input
[Us] rated supply voltage	12...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	<= 1 kHz
Maximum voltage drop	<2 V 100 mA closed state)

<1 V 10 mA closed state)

Current consumption	< 40 mA no-load
Time delay range	0...5 s
Maximum delay response	500 ms
Maximum delay recovery	500 ms
Setting-up	Sensitivity adjustment with teach mode
Depth	0.51 in (13 mm)
Length	2.36 in (60 mm)
Width	1.18 in (30 mm)

Environment

Product certifications	CULus CE
Ambient air temperature for operation	32...140 °F (0...60 °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	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)

Offer Sustainability

RECh Regulation	RECh 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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