



Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Fork
Detection system	Thru beam
Emission	Infrared, continuous
Passage width	0.20 in (5 mm)
Passage depth	2.36 in (60 mm)
Material	Metal
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
Product specific application	Packaging series
[Sn] nominal sensing distance	0.20 in (5 mm)

Complementary

Enclosure material	Anodised aluminium
Type of output signal	Discrete
Output type	Solid state
Status LED	No object present 1 LED green) Adjustment mode and keypad locking 1 LED red)
[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	10 kHz
Maximum voltage drop	<2 V closed state)
Current consumption	40 mA no-load

Time response	50 µs
Net weight	0.15 lb(US) (0.07 kg)

Environment

Product certifications	CULus CE
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient air temperature for storage	-22...176 °F (-30...80 °C)
Immunity to ambient light	3000 lux incandescent bulb 3000 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	2.43 oz (69 g)
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	2.87 in (7.3 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Weight	20.92 oz (593 g)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

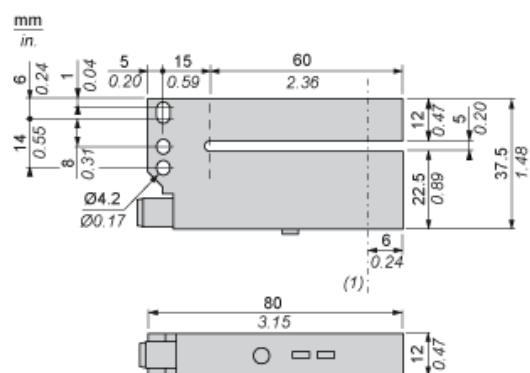
Offer Sustainability

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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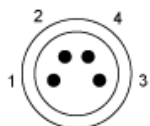
Dimensions



(1) Optical axis

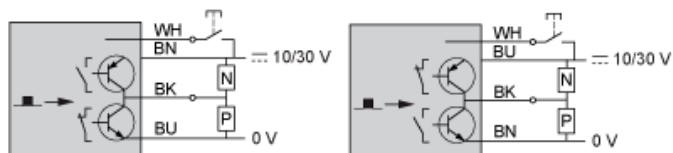
Wiring Schemes

Connector



- 1 : BN: Brown
- 2 : WH: White (input)
- 3 : BU: Blue
- 4 : BK: Black (PNP and NPN outputs)

NO or NC Programmable Function



■ —▶ Object detected

If the white wire is not used, connect to 0 V.