



Main

Range of product	OsiSense XU
Series name	General purpose
Electronic sensor type	Photo-electric sensor
Sensor name	XUVR
Sensor design	Fork
Detection system	Thru beam
Emission	Red LED, modulated
Passage width	3.15 in (80 mm)
Passage depth	2.36 in (60 mm)
Material	Metal/plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M8, 3 pins
Product specific application	Detection on small conveyor
[Sn] nominal sensing distance	3.15 in (80 mm)

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Spot diameter	0.8 mm
Type of output signal	Discrete
Output type	Solid state
Status LED	Output state: 1 LED (yellow)
[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	4000 Hz
Maximum voltage drop	<1.5 V closed state)
Current consumption	< 20 mA no-load

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net weight	0.42 lb(US) (0.19 kg)
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Environment

Product certifications	UL CSA CE
Ambient air temperature for operation	14...140 °F (-10...60 °C)
Ambient air temperature for storage	-40...176 °F (-40...80 °C)
Immunity to ambient light	10000 lux natural light 5000 lux incandescent bulb
Vibration resistance	7 gn +/- 0.75 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 IP67

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	3.17 oz (90 g)
Package 1 Height	0.67 in (1.7 cm)
Package 1 width	5.20 in (13.2 cm)
Package 1 Length	6.54 in (16.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	3.61 lb(US) (1.639 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)

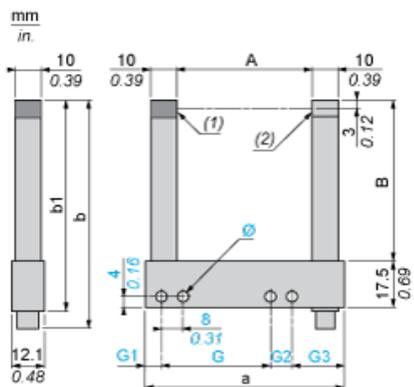
Offer Sustainability

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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Dimensions



- (1) Transmission LED
- (2) Yellow LED: output signal

Dimensions in mm

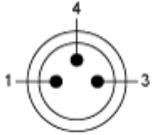
Passageway A	Depth B	a	b	b1	G	G1	G2	G3	∅
80	60	104	85.7	77.5	70	6.5	8	19.5	4 x 4.3

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	∅
3.15	2.36	4.09	3.37	3.05	2.76	0.26	0.31	0.77	0.16 x 0.17

Wiring Schemes

M8 Connector



- 1 : BN: Brown
- 3 : BU: Blue
- 4 : BK: Black

PNP Output

