



Main

Range of product	OsiSense XU
Series name	General purpose
Electronic sensor type	Photo-electric sensor
Sensor name	XUVA
Sensor design	Fork L
Detection system	Thru beam
Emission	Red LED, modulated
Passage width	1.97 in (50 mm)
Passage depth	1.97 in (50 mm)
Material	Metal/plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	1 male connector M8, 3 pins
Product specific application	Detection on small conveyor
[Sn] nominal sensing distance	1.97 in (50 mm)

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Spot diameter	1.2 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	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

Package 1 Weight	0.22 lb(US) (0.100 kg)
Package 1 Height	0.160 dm
Package 1 width	0.017 dm
Package 1 Length	0.130 dm

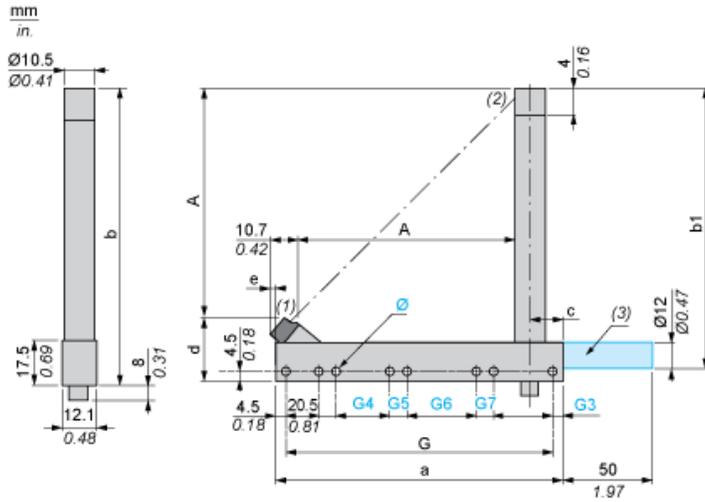
Offer Sustainability

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
- (3) Optional fixing rod available on request. Please consult our Customer Care Centre

Dimensions in mm

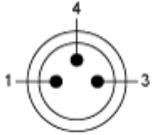
Depth A	a	b	b1	G	G3	Ø	G4	G5	G6	G7	c
44.3	75	83	75	66	4.5	4 x 4.3	-	-	-	-	14.75

Dimensions in in.

Depth A	a	b	b1	G	G3	Ø	G4	G5	G6	G7	c
1.74	2.95	3.27	2.95	2.60	0.18	0.16 x 0.17	-	-	-	-	0.58

Wiring Schemes

M8 Connector



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

PNP Output

