



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	7.09 in (180 mm)
Passage depth	4.72 in (120 mm)
Material	Metal/plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO
Electrical connection	1 male connector M8, 3 pins
Product specific application	Detection on small conveyor
[Sn] nominal sensing distance	7.09 in (180 mm)

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Spot diameter	0.04 in (1 mm)
Type of output signal	Discrete
Output type	Solid state
Status LED	1 LED (yellow) output state
[Us] rated supply voltage	12...24 V DC with 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
Voltage drop	<= 1.5 V (closed state)
Current consumption	< 20 mA (no-load)
Product weight	0.42 lb(US) (0.19 kg)

Environment

product certifications	CE CSA UL
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 with natural light 5000 lux with incandescent bulb
vibration resistance	7 gn, amplitude = +/- 0.75 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 IP67

Offer Sustainability

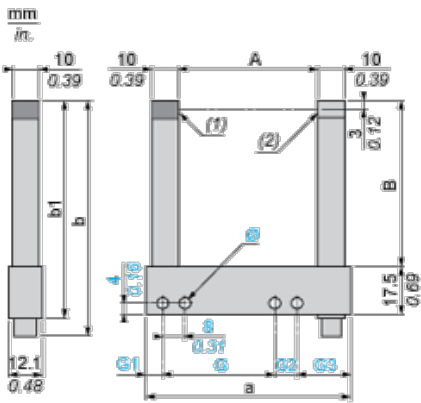
Not Green Premium product	Not Green Premium product
Compliant - since 0906 - Schneider Electric declaration of conformity	Compliant - since 0906 - Schneider Electric declaration of conformity

WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Dimensions



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

Dimensions in mm

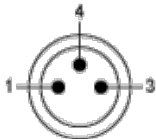
Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
180	124.3	204	150.2	142	152	22	8	22	4 x 4.3

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
7.09	4.89	8.03	5.91	5.59	5.98	0.87	0.31	0.87	0.16 x 0.17

Wiring Schemes

M8 Connector



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

NPN Output

