



Main

Range of product	OsiSense XU
Series name	Application assembly
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Miniature
Detection system	Diffuse
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Setting up of sensors Colour mark reader Monitoring of small parts on production machine
Emission	Red LED, pulsed - class 2 IEC 825-1
[Sn] nominal sensing distance	0.13...0.49 ft (0.04...0.15 m)

Complementary

Enclosure material	ABS
Pulse frequency	5 kHz
Spot diameter	<= 0.03 in (0.7 mm)
Output type	Solid state
Status LED	Supply on/dirty 1 LED green) Output state: 1 LED (yellow)
[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	<= 1 kHz
Maximum voltage drop	<2.4 V closed state)
Current consumption	< 25 mA no-load
Maximum delay response	3 µs
Setting-up	Using teach button or remote teaching
Net Weight	0.12 lb(US) (0.056 kg)

Environment

Product certifications	CE CULus
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient air temperature for storage	-4...176 °F (-20...80 °C)
Immunity to ambient light	5000 lux
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529



Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	03389119009843
Nbr. of units in pkg.	1
Package weight(Lbs)	0.42 lb(US) (0.19 kg)
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.10 in (2.8 cm)
Package 1 width	3.54 in (9 cm)
Package 1 Length	2.44 in (6.2 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Weight	15.06 oz (427 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)

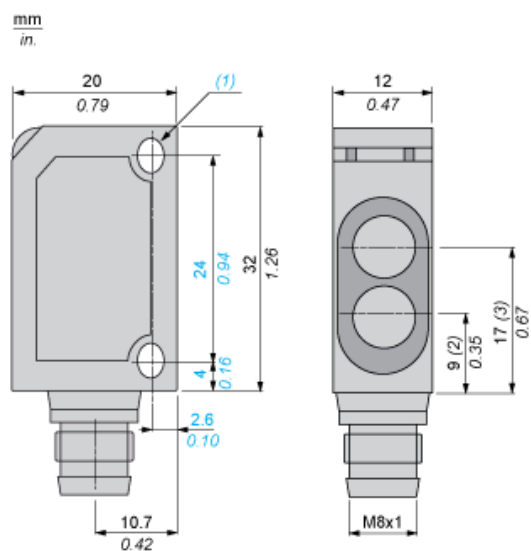
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov
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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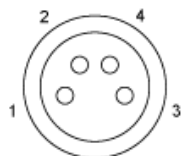
Dimensions



- (1) 2 elongated holes $\varnothing 3.2 \times 4.2$
- (2) Transmitter optical axis
- (3) Receiver optical axis

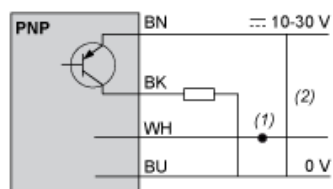
Wiring Schemes

M8 Connector



- 1 : Brown
- 2 : White
- 3 : Blue
- 4 : Black

PNP Output



- (1) - Connected to +: external teaching, - Connected to -: locking of functions
- (2) Output 100 mA max.