



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 conforming to IEC 825-1
[Sn] nominal sensing distance	0.04...0.15 m

Complementary

Enclosure material	ABS
Pulse frequency	5 kHz
Spot diameter	<= 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	0.056 kg




Environment

Product certifications	CE CULus
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-20...80 °C
Immunity to ambient light	5000 lux
Vibration resistance	7 gn, amplitude = +/- 1.5 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	IP67 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	20 g
Package 1 Height	2.8 cm
Package 1 width	9 cm
Package 1 Length	6.2 cm
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Weight	427 g
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

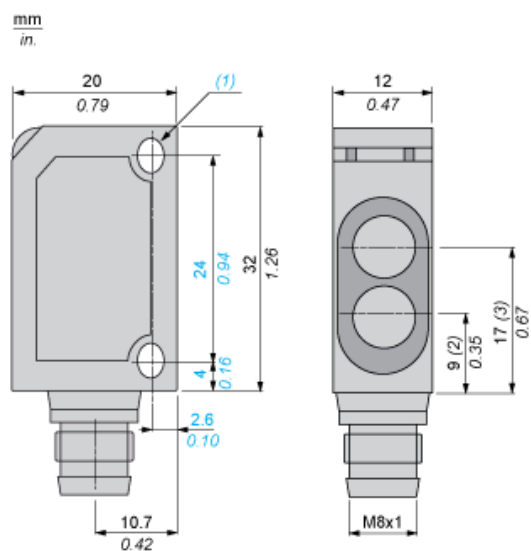
Offer Sustainability

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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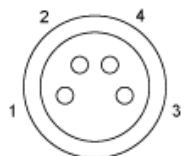
Dimensions



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

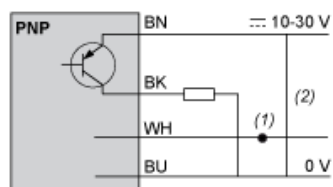
Wiring Schemes

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.