

# XUYRCO989SN

photo-electric sensor - XUY 989 - receiver - Sn  
4m - 12..24VDC - M8



## Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Miniature
Detection system	Thru beam
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Conveyor system and access control series
Emission	Red LED, pulsed
[Sn] nominal sensing distance	1 M polarised reflex 4 M thru beam 0.08 M diffuse with background suppression 0.25 m diffuse with adjustable sensitivity

## Complementary

Enclosure material	ABS
Lens material	PMMA
Cover material	PUR
Pulse frequency	6 kHz
Output type	Solid 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	500 Hz
Maximum voltage drop	<2 V at 100 mA (closed state) <1 V at 10 mA (closed state)
Current consumption	< 25 mA no-load
Maximum delay response	1 ms
Net weight	0.044 kg




## Environment

Product certifications	CULus CE
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...80 °C
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	44 g
Package 1 Height	3.5 cm
Package 1 width	7 cm
Package 1 Length	13 cm

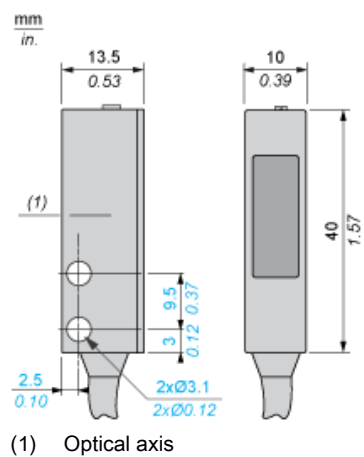
## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>

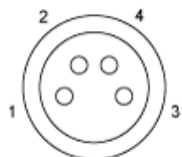
## Contractual warranty

Warranty	18 months
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## Dimensions



## M8



The left diagram shows the NC terminal configuration. A black square symbol points to the NC terminal. The BN terminal is connected to a 10-30 V supply. The WH terminal is connected to a resistor, which is then connected to the BK terminal. The BU terminal is connected to 0 V.

The right diagram shows the NO terminal configuration. A black square symbol points to the NO terminal. The BN terminal is connected to a 10-30 V supply. The WH terminal is connected to a resistor, which is then connected to the BK terminal. The BU terminal is connected to 0 V.

- 1/ Brown  
BN :  
2/ White  
WH :  
3/ Blue  
BU :  
4/ Black  
BK :