

# Product data sheet

## Characteristics

# XUYPCO925L3ANSP

Photoelectric sensors XU, XUY, diffuse, analog  
laser, Sn 0.3 m, 12...24 VDC, M12

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 2329.00 USD



### Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact 50 x 50
Detection system	Diffuse
Material	Plastic
Supply circuit type	DC
Wiring Technique	5-wire
Discrete output type	PNP
Analogue output range	4...20 mA
Electrical connection	1 male connector M12, 5 pins
Product Specific Application	Measuring thickness of mechanical parts Position control of robot arm
Emission	Red laser, pulsed 0.000025591 in (650 nm) - class 1 IEC 825-1
[Sn] nominal sensing distance	3.15...11.81 in (80...300 mm)

### Complementary

Enclosure Material	ABS, anti-shock
Pulse frequency	2.5 KHz
Linearity	< 0.25 %
Spot diameter	0.21 in (5.25 mm) at 80 mm
Spot dimension	1.5 x 3.5 mm at 80 mm
Resolution	200 µm
Status LED	Supply on: 1 LED (green) Dirty 1 LED red)
[Us] rated supply voltage	24 V DC reverse polarity protection
Supply voltage limits	18...28 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	< 40 Hz
Maximum voltage drop	<2.4 V closed state)

Current consumption	40 mA no-load
Maximum delay response	40 Ms output circuit medium speed mode 0.4 Ms output circuit fast speed mode
Setting-up	Parametering by buttons
Net Weight	0.13 Lb(US) (0.057 kg)

## Environment

Product Certifications	CE
Ambient Air Temperature for Operation	32...113 °F (0...45 °C)
Ambient Air Temperature for Storage	-4...140 °F (-20...60 °C)
Immunity to ambient light	5000 Lux natural light
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	03389119027885
Nbr. of units in pkg.	1
Package weight(Lbs)	2.05 Oz (58 g)
Returnability	No
Country of origin	DE

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.18 In (3 cm)
Package 1 width	2.76 In (7 cm)
Package 1 Length	3.94 In (10 cm)

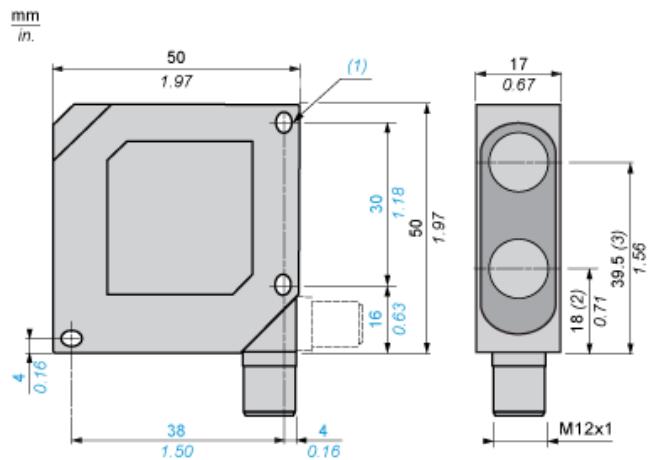
## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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



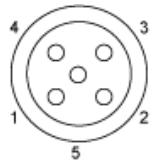
- (1) 2 elongated holes Ø 4.3 x 4
- (2) Transmitter optical axis
- (3) Receiver optical axis

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### Wiring Schemes

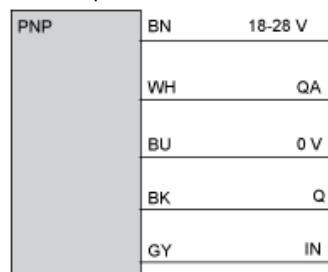
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M12



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

PNP Output



BN : Brown : 18-28V

WH : White : 4-20 mA analogue output ( $R < 500 \text{ Ohm}$ )

BU : Blue : 0 V

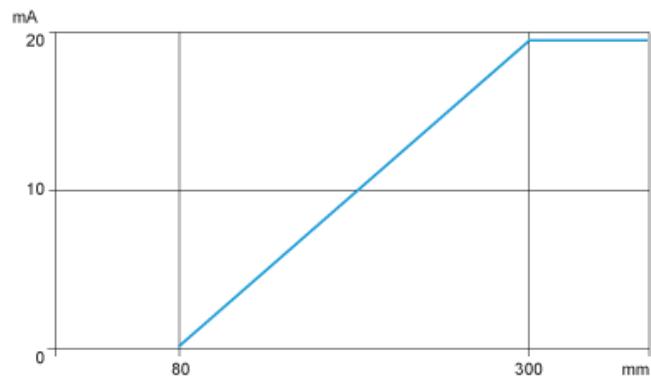
BK : Black : OUT/Output

GY : Grey : IN

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Adjustment Curves

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Product Life Status : **Commercialised**