

# XUYPSCO929L2SP

Photoelectric sensors XU, XUY 929, BGS, laser, Sn 110 mm, 12...24 VDC, M8



## Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application assembly
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Miniature
Detection system	Diffuse with background suppression
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	Monitoring of small parts on production machine Setting up of sensors
Emission	Red LED, pulsed - class 2 conforming to IEC 825-1
[Sn] nominal sensing distance	0.03...0.11 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	1000 Hz
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[RETURN]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 Height	2.5 cm
Package 1 Width	6.0 cm
Package 1 Length	9.0 cm
Package 1 Weight	22.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	372.0 g

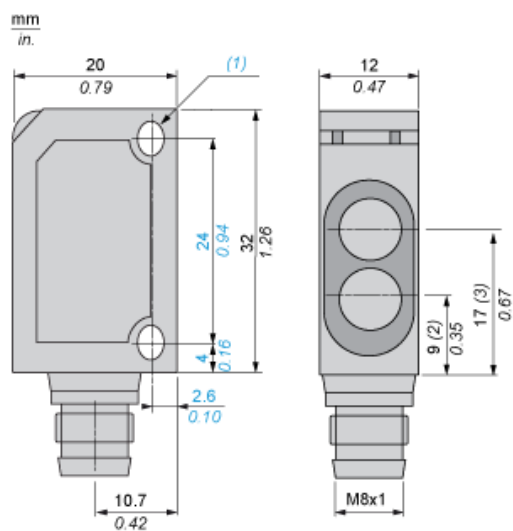
## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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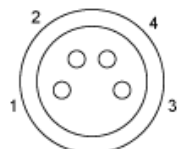
## Dimensions



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

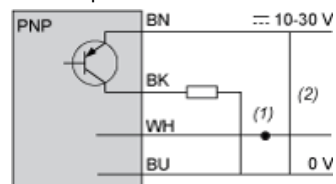
## Wiring Schemes

M8 connector



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

PNP output



(+) Brown

BN :

WH : White

(-) Blue

BU :

(Output) Black

BK :

(1) Connected to +: external teaching, connected to -: locking of functions

(2) Output 100 mA max.