

# XUYBCO929LSP

Photoelectric sensors XU, XUY 929, polarised, laser, Sn 1 m, 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	Polarised reflex
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 IEC 825-1
[Sn] nominal sensing distance	0.33...3.28 ft (0.1...1 m) need reflector XUY1111

## 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 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	0.12 lb(US) (0.056 kg)

## Environment

Product Certifications	CE[RETURN]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 IEC 60529

## Ordering and shipping details

Category	US10DS222481
Discount Schedule	0DS2
GTIN	3389119009836
Returnability	No
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.30 in (3.3 cm)
Package 1 Width	2.40 in (6.1 cm)
Package 1 Length	3.78 in (9.6 cm)
Package 1 Weight	0.67 oz (19.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Height	5.91 in (15 cm)
Package 2 Width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	14.64 oz (415.0 g)

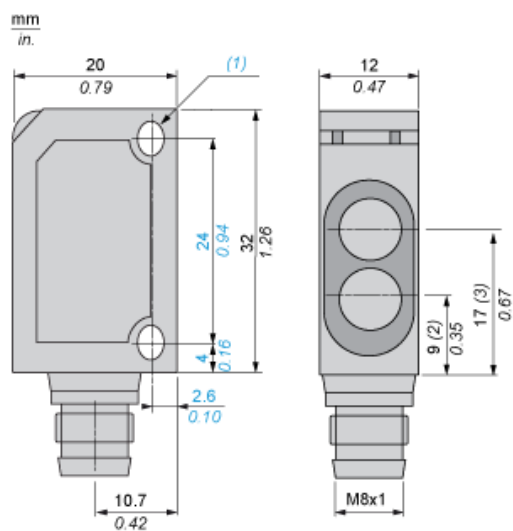
## Offer Sustainability

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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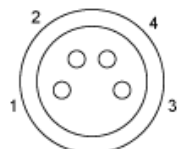
## Dimensions



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

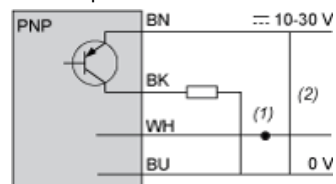
## Wiring Schemes

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.