

# Product datasheet

Specifications



photo-electric sensor - XUY  
929 - BGS - laser - Sn 110mm -  
12..24VDC - M8

XUYPSCO929L2SP

## 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 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	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	372.0 g

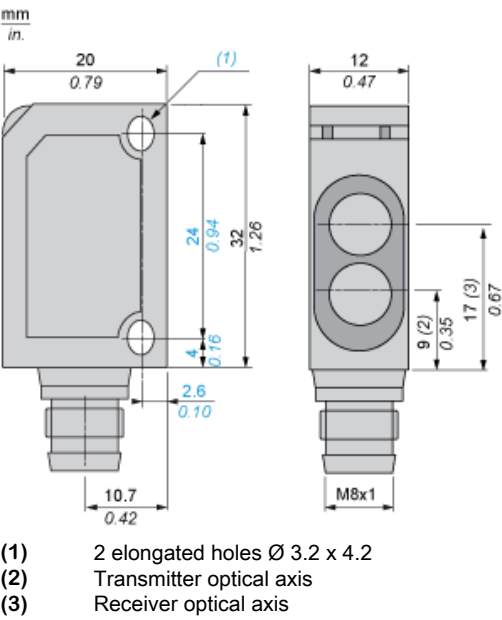
### Offer Sustainability

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

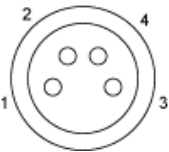
Warranty	18 months
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Dimensions



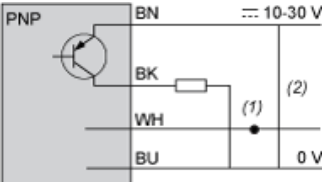
Wiring Schemes

M8 connector



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

PNP output



- (+) **BN** : Brown
- WH** : White
- (-) **BU** : Blue
- (Output) **BK** : Black
- (1) Connected to +: external teaching, connected to -: locking of functions
- (2) Output 100 mA max.

Recommended replacement(s)