

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 |

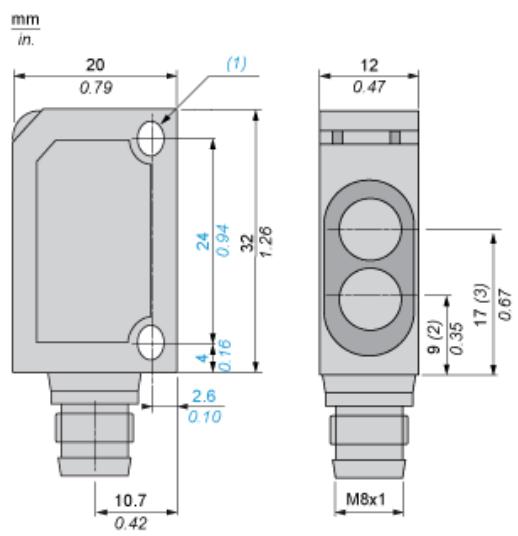
Offer Sustainability

| | |
|-----------------------------------|---|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

Dimensions



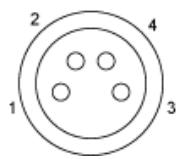
(1) 2 elongated holes Ø 3.2 x 4.2

(2) Transmitter optical axis

(3) Receiver optical axis

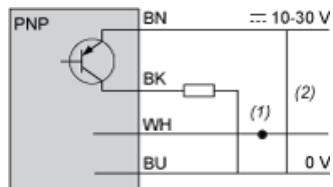
Wiring Schemes

M8 connector



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

PNP output



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

Recommended replacement(s)