

XUYPS989SP

photo-electric sensor - XUY 989 - BGS - Sn
0.08m - 12..24VDC - cable 2m



Main

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|-------------------------------|---|
| Range of product | OsiSense XU |
| Series name | Application |
| 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 | 4-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | Cable |
| Cable length | 2 m |
| Product specific application | Conveyor system and access control series |
| Emission | Red LED, pulsed |
| [Sn] nominal sensing distance | 1 M polarised reflex 4 M thru beam 0.08 M diffuse with background suppression 0.25 m diffuse with adjustable sensitivity |

Complementary

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|---------------------------|---|
| Enclosure material | ABS |
| Lens material | PMMA |
| Cover material | PVC |
| Pulse frequency | 6 kHz |
| Output type | Solid state |
| [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 | 500 Hz |
| Maximum voltage drop | <2 V at 100 mA (closed state) <1 V at 10 mA (closed state) |
| Current consumption | < 25 mA no-load |
| Maximum delay response | 1 ms |
| Net weight | 0.075 kg |




Environment

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|---------------------------------------|--|
| Product certifications | CULus CE |
| Ambient air temperature for operation | 0...50 °C |
| Ambient air temperature for storage | -20...80 °C |
| Immunity to ambient light | 10000 Lux natural light 5000 lux incandescent bulb |
| IP degree of protection | IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 73 g |
| Package 1 Height | 3.5 cm |
| Package 1 width | 7 cm |
| Package 1 Length | 13 cm |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 15 |
| Package 2 Weight | 1.313 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 Length | 40 cm |

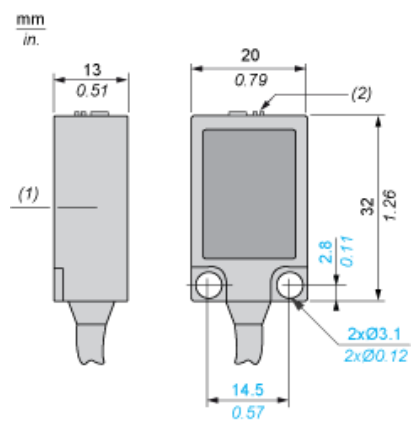
Offer Sustainability

| | |
|----------------------------|--|
| 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

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

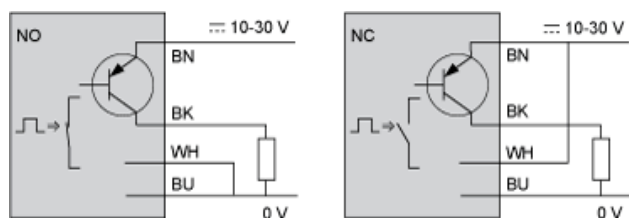
Dimensions



- (1) Optical axis
- (2) Accuracy adjustment

Connections and Schemes

PNP Output



BN : Brown
BU : Blue
BK : Black
WH : White