Product datasheet

Specifications



photo-electric sensor - XUY - diffuse - analog laser - Sn 85mm - 12..24VDC - M12

XUYPCO925L2ANSP

Discontinued on: 01 November 2020

Discontinued

XUYPCO925L2ANSP has not been replaced. Please contact your customer care centre for more information.

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact 50 x 50
Detection system	Diffuse
Material	Plastic
Supply circuit type	DC
Wiring technique	4-wire
Analogue output range	0...10 V
Electrical connection	1 male connector M12, 4 pins
Product specific application	Measuring thickness of mechanical parts Position control of robot arm
Emission	Red laser, pulsed, wavelength: 650 nm - class 1 conforming to IEC 825-1
[Sn] nominal sensing distance	45…85 mm

Complementary

Enclosure material	ABS, anti-shock
Pulse frequency	6 kHz
Linearity	< 1 %
Spot diameter	0.8 mm at 65 mm
Spot dimension	Ø 0.8 mm at 65 mm
Resolution	20 µm
Status LED	Supply on: 1 LED (green) Dirty: 1 LED (red)
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	18…28 V DC
Switching capacity in mA	3 mA (overload and short-circuit protection)
Switching frequency	< 40 Hz

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Maximum voltage drop	<2.4 V (closed state)
Current consumption	35 mA no-load
Maximum delay response	30 ms for output circuit
Setting-up	Parametering by buttons
Net weight	0.057 kg

Environment

Product certifications	CE
Ambient air temperature for operation	0…45 °C
Ambient air temperature for storage	-20…60 °C
Immunity to ambient light	5000 lux natural light
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 Weight	46.0 g
Package 1 Height	2.8 cm
Package 1 width	6 cm
Package 1 Length	9.1 cm
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Weight	685.0 g
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

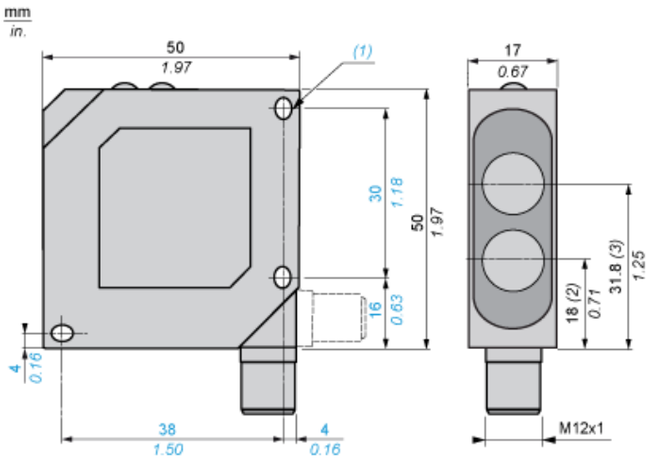
Contractual warranty

Warranty	18 months

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Dimensions Drawings

Dimensions



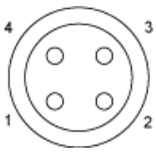
(1) 2 elongated holes Ø 4.3 x 4
(2) Transmitter optical axis
(3) Receiver optical axis

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Connections and Schema

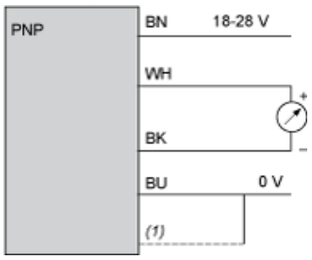
Wiring Schemes

M12



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

PNP Output



(+) BN : Brown
WH : White
(-) BU : Blue
BK : Black
(1) Shielding

NOTE: Shielded cable recommended

Adjustment Curves

