Product data sheet
Characteristics

XUYPCO925L3ANSP
photo-electric sensor - XUY - diffuse - analog laser - Sn 0.3m - 12..24VDC - M12



Main

Range of product	OsiSense 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	5-wire
Discrete output type	PNP
Analogue output range	4...20 mA
Electrical connection	1 male connector M12, 5 pins
Product specific application	Measuring thickness of mechanical parts Position control of robot arm
Emission	Red laser, pulsed (class 2), wavelength: 670 nm conforming to IEC 825-1
[Sn] nominal sensing distance	80...300 mm

Complementary

Enclosure material	ABS, anti-shock
Pulse frequency	6 kHz
Linearity	< 0.25 %
Spot diameter	5.25 mm at 80 mm
Spot dimension	Ø 5.25 mm at 80 mm
Resolution	200 µm
Status LED	1 LED (green) for supply on 1 LED (red) for dirty
[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
Voltage drop	<= 2.4 V (closed state)
Current consumption	40 mA (no-load)
Delay response	40 ms for output circuit medium speed mode 0.4 ms for output circuit fast speed mode
Setting-up	Parametering by buttons
Product 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 with 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

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Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant