

Product data sheet

Characteristics

XUYPS1LCO965S

photoelectric sensor - XUY - BGS - laser - Sn

300 mm - 12..24VDC - M8

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	Application, materials handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact
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 and NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Control of level Detection of components on a printed circuit Monitoring for crack on a component Monitoring of small parts on production machine Suppression of a background
Emission	Red laser, pulsed (class 2), wavelength: 2.6575E-05 in (675 nm)
[Sn] nominal sensing distance	1.97...11.81 in (50...300 mm)

Complementary

Enclosure material	Glass impregnated nylon
Lens material	PMMA
Spot diameter	0 in (0 mm) manual adjustment
Minimum object diameter for detection	0.02 in (0.5 mm)
Output type	Solid state
Status LED	1 LED (red) for time delay active 1 LED (red) for NO function 1 LED (none) for NC function 1 LED (green) for output 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	> 5 kHz
Voltage drop	< 2 V (closed state)
Current consumption	35 mA
Delay response	40 ms for output circuit depending on wiring
Delay recovery	150 µs
Setting-up	Manual adjustment of focusing
Product weight	0.18 lb(US) (0.081 kg)

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Environment

Product certifications	CE CULus
Ambient air temperature for operation	32...122 °F (0...50 °C)
Ambient air temperature for storage	-4...140 °F (-20...60 °C)
Immunity to ambient light	500 lux with incandescent bulb 10000 lux with natural light
IP degree of protection	IP65 conforming to IEC 60529

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119007276
Nbr. of units in pkg.	1
Package weight(Lbs)	0.18
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Contractual warranty

Period	18 months
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