Product data sheet
Characteristics

XUYAFP946S
photo-electric sensor - XUY - ampli for fibre - plastic - 12..24VDC - cable 2m



Main

Range of product	OsiSense XU
Series name	Application assembly
Specific application of photoelectric detector	Detection of objects on small conveyor Monitoring position or presence of parts on an assembly or packing machine Use of fiber optics in vibratory environments (robot arms) Detection of reference and colour marks in packaging
Sensor name	XUY
Sensor design	Fiber design
Emission	Red LED

Complementary

Electronic sensor type	Photo-electric sensor
Material	Plastic
Enclosure material	Polycarbonate
Pulse frequency	8 kHz
Type of output signal	Discrete
Output type	Solid state
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP and NPN
Electrical connection	Cable
Supply circuit type	DC
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…30 V DC
Voltage state 0 guaranteed	< 1.4 V
Voltage state 1 guaranteed	> 3 V
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	< 1 kHz
Maximum voltage drop	<2 V (closed state)
Current consumption	<= 40 mA no-load
Maximum delay response	5 ms for plastic fibre optics 2.2 mm
Maximum delay recovery	5 ms plastic fibre optics 2.2 mm
Setting-up	Sensitivity adjustment with teach mode
Net weight	0.124 kg

Environment

Product certifications	CE CULus
Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-20…80 °C
Immunity to ambient light	10000 Lux natural light 20000 lux incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

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Offer Sustainability

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