

XUYPA946S

photo-electric sensor - XUY - diffuse - axial teach -
Sn 50cm - 12..24VDC - 2m



Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Specific application of photoelectric detector	Control of presence of parts in container Detection of opaque or transparent parts Position or presence control of parts on assembling or conditioning machine
Sensor name	XUY
Sensor design	Compact
Material	Plastic
Detection system	Diffuse
Emission	Infrared
[Sn] nominal sensing distance	0...50 cm
Discrete output type	PNP/NPN
Electrical connection	1 cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	100 mA for overload and short-circuit protection
Current consumption	< 40 mA (no-load)

Complementary

Enclosure material	Polycarbonate strong housing
Pulse frequency	8 kHz
Line of sight type	Axial
Wiring technique	4-wire
Type of output signal	Discrete
Output type	Solid state
Add on input	Remote input
Supply circuit type	DC
Supply voltage limits	10...30 V DC
Switching frequency	<= 1 kHz
Voltage drop	< 1 V at 10 mA (closed state) < 2 V at 100 mA (closed state)
Time delay range	0...5 s
Delay response	< 500 µs
Delay recovery	< 500 µs
Setting-up	Sensitivity adjustment with teach mode
Depth	13 mm
Length	60 mm
Width	30 mm

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 with incandescent bulb <= 20000 lux with natural light

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Offer Sustainability

Sustainable offer status

Not Green Premium product

RoHS (date code: YYWW)

Compliant - since 0727 - Schneider Electric declaration of conformity

Contractual warranty

Warranty period

18 months
