



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 male connector M8, 4 pins
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	100 mA (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
Maximum voltage drop	<1 V at 10 mA (closed state) <2 V at 100 mA (closed state)

Time delay range	0...5 s
Maximum delay response	500 µs
Maximum 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 incandescent bulb 20000 lux natural light
IP degree of protection	IP65 conforming to IEC 60529

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
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