



Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Specific application of photoelectric detector	Detection of transparent parts Bottle detection on blow moulding machinery Thru beam on a conveyor
Sensor name	XUY
Sensor design	Compact
Material	Plastic
Detection system	Polarised reflex
Emission	Red LED
[Sn] nominal sensing distance	0...140 cm reflector 50 x 50 mm between 40 cm and 140 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	< 45 mA no-load

Complementary

Enclosure material	Polycarbonate strong housing
Pulse frequency	8 kHz
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	<2 V at 100 mA (closed state) <1 V at 10 mA (closed state)
Time delay range	0...5 s
Maximum delay response	500 µs

Maximum delay recovery	500 μ s
Setting-up	Sensitive adjustment with teach mode

Environment

Product certifications	CE CULus
Ambient air temperature for operation	0...50 °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	IP67

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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