



Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact
Detection system	Polarised reflex
Material	Plastic
Line of sight type	Lateral
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP/NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Position or presence control of parts on conditioning machine Detection of shiny parts Through beam on a conveyor
Emission	Red LED
[Sn] nominal sensing distance	1 m with reflector Ø 46 mm 2 m with reflector Ø 84 mm

Complementary

Enclosure material	Polycarbonate strong housing
Pulse frequency	8 kHz
Output type	Solid state
Add on input	Remote input
[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	<= 1 kHz
Maximum voltage drop	<2 V at 100 mA (closed state) <1 V at 10 mA (closed state)

Current consumption	< 40 mA no-load
Time delay range	0...5 s
Maximum delay response	500 ms
Maximum delay recovery	500 ms
Setting-up	Sensitivity adjustment with teach mode
Depth	13 mm
Length	78 mm
Width	30 mm

Environment

Product certifications	CULus CE
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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