



## Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUR
Sensor design	Compact
Detection system	Diffuse
Emission	Red or green
[Sn] nominal sensing distance	18 mm spot 2 x 7 mm need lens XURZ01 7 mm spot 1 x 4 mm need lens XURZ02 9 mm spot 1.5 x 5 mm without lens
Material	Metal
Switching frequency	<= 10 kHz
Type of output signal	Discrete Analogue
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Analogue output range	0...5.5 V, DC
Electrical connection	1 male connector M12 adjustable 3 positions, 4 pins
Product specific application	Colour mark
Sale per indivisible quantity	1

## Complementary

Enclosure material	Zinc alloy
Lens material	Glass
Minimum width of mark detected	0.5 mm
Maximum inclination of reader	20 °
Maximum passing speed of object	10 m/s, minimum detected mark width: 1 mm
Output type	Solid state
Output function governance	Light or dark programmable

Add on output	With analogue output
Status LED	Output state: 1 LED (red)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	DC
Switching capacity in mA	<= 200 mA (overload and short-circuit protection)
Maximum voltage drop	<1 V (closed state), NPN <2 V (closed state), PNP
Current consumption	<= 80 mA no-load
Time delay range	20 ms off-delay activation/deactivation by internal switch delay
Maximum delay first up	100 ms
Maximum delay response	0.05 ms
Maximum delay recovery	0.05 ms
Setting-up	Sensitivity adjustment with teach mode
Depth	58 mm
Height	82 mm
Width	31 mm
Product weight	0.55 kg

## Environment

Product certifications	CE
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-20...70 °C
Vibration resistance	7 gn, amplitude = +/- 0.6 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529

## Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

## Contractual warranty

Warranty	18 months
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