



Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Product specific application	Colour
Sensor name	XUR
Sensor design	Compact
Detection system	Diffuse
Emission	Red, blue and green
[Sn] nominal sensing distance	40 mm spot Ø 4 mm 50 mm spot Ø 6 mm 60 mm spot Ø 8 mm
Material	Metal
Supply circuit type	DC
Type of output signal	Discrete
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	Cable
Cable length	2 m

Complementary

Enclosure material	Aluminium
Lens material	Glass
Cover material	Polyacrylate
Output type	Solid state
Output function governance	Light on
Add on input	Synchro + recording
Cable composition	7 x 0.2 mm ²
Wire insulation material	Vinyl rubber
Cable outer diameter	5.4 mm
Status LED	Output state: 3 LEDs

[Us] rated supply voltage	12...24 V DC
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 1200 Hz
Switching time	6 ms programmable by switch 0.8 ms programmable by switch 1.5 ms programmable by switch
Maximum voltage drop	<1.5 V (closed state)
Current consumption	<= 150 mA no-load
Time delay range	40 ms on falling edge programmable by switch delay
Setting-up	Tolerance level Operating mode Sensitivity adjustment with teach mode
Depth	57 mm
Height	87 mm
Width	30 mm
Product weight	0.26 kg

Environment

Product certifications	CE
Ambient air temperature for operation	-10...50 °C
Ambient air temperature for storage	-30...70 °C
Relative humidity	35...85 % without condensation
Immunity to ambient light	10000 lux sunlight 3000 lux halogen light
Vibration resistance	7 gn, amplitude = +/- 0.75 mm (f = 10...55 Hz) on the 3 axes during 2 hours conforming to IEC 60068-2-6
Shock resistance	50 gn for 5 shocks on each axis conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529

Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
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Contractual warranty

Warranty	18 months
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