



Main

Range of product	OsiSense XU
Series name	Vision
Electronic sensor type	Vision sensor
Sensor name	XUW
Sensor design	Compact
Detection system	Diffuse

Complementary

Focal length	6 mm
Setting-up	Focus adjustment by potentiometer
[Sn] nominal sensing distance	6...350 mm
Field of view	5 x 4...260 x 175 mm
Pixel resolution	736 x 480
Technology type	CMOS
Light source	White LED (4 groups of 2 leds)
Tool type	Pattern matching (cycle time:40 ms) Contour (cycle time:60 ms) Contrast (cycle time:4 ms) Brightness (cycle time:4 ms) Greyscale (cycle time:4 ms)
Number of jobs	2
Number of tools per job	32
Acquisition speed	25 frames/s
Number of inputs	2 input(s) PNP or NPN programmable
Input function	External trigger Program selection
Number of outputs	4 output(s) PNP or NPN programmable
Discrete output function	1 NO or 1 NC programmable
Output function governance	Timer Logical functions Ready Valid
Input/Output number	2 configurable PNP or NPN programmable
Communication port protocol	Ethernet/IP

Electrical connection	1 male connector, connector type: M12, 12 pins, circuit application: power supply and digital input/output (metal) 1 female connector, connector type: M12, 4 pins, circuit application: Ethernet network (metal)
Enclosure material	ABS Aluminium
Lens material	PMMA
[Us] rated supply voltage	24 V DC, protection type: reverse polarity protection 24 V DC, protection type: short-circuit protection
Supply voltage limits	21...26 V DC
Switching capacity in mA	50 mA by output (resistive or PLC input load) 100 mA ejector output (inductive load)
Current consumption	<= 200 mA at no-load
Delay first up	13 s
Depth	65 mm
Height	45 mm
Width	45 mm
Product weight	0.16 kg
Provided equipment	Mounting clamp XUZASW001 1 CD (software and documentation)

Environment

Product certifications	CE cULus
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	80 % (non-condensing)
Vibration resistance	7 gn +/- 1.5 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	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

Offer Sustainability

RoHS (date code: YYWW)	Will not be compliant Will not be compliant
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Contractual warranty

Warranty period	18 months
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