Product data sheet
Characteristics

XUWSA12W
Photoelectric sensors XU, Vision sensor object standard focal lengh 12 mm white leds



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	12 mm
Setting-up	Focus adjustment by potentiometer
[Sn] nominal sensing distance	30…650 mm
Field of view	8 x 6...250 x 170 mm
Pixel resolution	736 x 480
Technology type	CMOS
Light source	White LED (4 groups of 2 leds)
Tool type	Pattern matching 40 ms) Contour 60 ms) Contrast 4 ms) Brightness 4 ms) Greyscale 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	Ready Valid Logical functions Timer
Input/output number	2 PNP or NPN programmable configurable
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 with reverse polarity protection 24 V DC with 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 no-load

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Maximum delay first up	13 s
Depth	65 mm
Height	45 mm
Width	45 mm
Net weight	0.16 kg
Provided equipment	Mounting clamp XUZASW001 1 CD (software and documentation)

Environment

Product certifications	CE[RETURN]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 amplitude = +/- 1.5 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.7 cm
Package 1 Width	16.5 cm
Package 1 Length	23 cm
Package 1 Weight	345.9 g

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months