

# XUWSA12R

Photoelectric sensors XU, Vision sensor object  
standard focal length 12 mm red 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	Red 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	Valid Timer Ready Logical functions
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	Aluminium ABS
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

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

## Environment

Product certifications	cULus[RETURN]CE
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	347.9 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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