# Product data sheet
## Characteristics

# XUWSA06R
## Photoelectric sensors XU, Vision sensor object standard focal lengh 6 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

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|---|---|
| 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 | Red LED (4 groups of 2 leds) |
| Tool type | Pattern matching 40 ms)<br>Contour 60 ms)<br>Contrast 4 ms)<br>Brightness 4 ms)<br>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<br>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<br>Logical functions<br>Ready<br>Valid |
| 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)<br>1 female connector, connector type: M12, 4 pins, circuit application: Ethernet network (metal) |
| Enclosure material | Aluminium<br>ABS |
| Lens material | PMMA |
| [Us] rated supply voltage | 24 V DC with reverse polarity protection<br>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)<br>100 mA ejector output (inductive load) |
| Current consumption | <= 200 mA no-load |

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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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 | 1 CD (software and documentation)<br>Mounting clamp XUZASW001 |

## Environment

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|---|---|
| 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<br>IP67 conforming to IEC 60529 |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6 cm |
| Package 1 Width | 16 cm |
| Package 1 Length | 23.5 cm |
| Package 1 Weight | 346.9 g |

## Offer Sustainability

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|---|---|
| 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

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|---|---|
| Warranty | 18 months |