



Main

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| Range of product | OsiSense XU |
| Series name | Application material handling Application assembly |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUK |
| Sensor design | Compact 50 x 50 |
| Detection system | Thru beam |
| Material | Plastic |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 4-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | 1 male connector M12, 4 pins |
| Product specific application | - |
| Emission | Red thru beam |
| [Sn] nominal sensing distance | 82.02 ft (25 m) thru beam need transmitter XUK2LAKSMM12T |

Complementary

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|---------------------------|--|
| Enclosure material | ABS/PC |
| Lens material | PMMA |
| Maximum sensing distance | 98.43 ft (30 m) thru beam |
| Output type | Solid state |
| Add on output | Without |
| Add on input | External teach |
| Status LED | 1 LED green)supply on 1 LED yellow)output state 1 LED red)alignment assistance |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Supply voltage limits | 10...30 V DC |
| Switching capacity in mA | <= 100 mA overload and short-circuit protection) |

Disclaimer: 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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|------------------------|---------------------------------------|
| Switching frequency | <= 500 Hz |
| Maximum voltage drop | <2.4 V closed state) |
| Current consumption | <= 30 mA no-load |
| Maximum delay first up | 300 ms |
| Maximum delay response | 0.14 ms |
| Maximum delay recovery | 0.14 ms |
| Setting-up | Using teach button or remote teaching |
| Depth | 1.97 in (50 mm) |
| Height | 1.97 in (50 mm) |
| Width | 0.91 in (23 mm) |
| Net weight | 0.08 lb(US) (0.035 kg) |

Environment

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| Product certifications | Ecolab CULus CE |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C) -4...122 °F (-20...50 °C), UL |
| Ambient air temperature for storage | -4...176 °F (-20...80 °C) |
| Vibration resistance | 7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6 |
| Shock resistance | 30 gn 11 ms) IEC 60947-5-2 |
| IP degree of protection | IP67 IEC 60529 IP69K DIN 40050 |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.13 oz (32 g) |
| Package 1 Height | 1.18 in (3 cm) |
| Package 1 width | 2.36 in (6 cm) |
| Package 1 Length | 3.94 in (10 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 28 |
| Package 2 Weight | 3.40 lb(US) (1.544 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 5.91 in (15 cm) |
| Package 2 Length | 15.75 in (40 cm) |

Offer Sustainability

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|----------------------------|---|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |

Contractual warranty

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| Warranty | 18 months |
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