# XUK8APSML02M12

photo-electric laser sensor - XUK - 10..30VDC - M12



## Main

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|---|---|
| Range of product | OsiSense XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUK |
| Sensor design | Compact 50 x 50 |
| Detection system | Diffuse with background suppression |
| 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 |
| Emission | Red diffuse with background suppression |
| [Sn] nominal sensing distance | 3.94 ft (1.2 m) diffuse with background suppression |

## Complementary

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|---|---|
| Enclosure material | ABS/PC |
| Lens material | PMMA |
| Maximum sensing distance | 3.94 ft (1.2 m) diffuse with background suppression |
| Output type | Solid state |
| Add on output | Without |
| Cable composition | 5 x 0.34 mm² |
| Wire insulation material | PVC |
| Cable outer diameter | 0.24 in (6 mm) |
| Status LED | 1 LED yellow)output state<br>1 LED green/yellow)supply on/output state |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Supply voltage limits | 10…36 V DC |
| Switching capacity in mA | <= 100 mA overload and short-circuit protection) |

| | |
|---|---|
| Switching frequency | <= 250 Hz |
| Maximum voltage drop | <2.4 V closed state) |
| Current consumption | <= 30 mA no-load |
| Maximum delay first up | 300 ms |
| Maximum delay response | 0.8 ms |
| Maximum delay recovery | 0.8 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 | CULus<br>CE<br>Ecolab |
| Ambient air temperature for operation | -4…140 °F (-20…60 °C)<br>-4…122 °F (-20…50 °C), UL |
| Ambient air temperature for storage | -4…176 °F (-20…80 °C) |
| Vibration resistance | 7 gn 10…55 Hz) IEC 60068-2-6 |
| Shock resistance | 10 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP67 IEC 60529<br>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 | 4.09 oz (116 g) |
| Package 1 Height | 2.28 in (5.8 cm) |
| Package 1 width | 7.09 in (18 cm) |
| Package 1 Length | 5.83 in (14.8 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 4 |
| Package 2 Weight | 25.40 oz (720.2 g) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |

## Offer Sustainability

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

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