



Main

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|-------------------------------|------------------------------|
| Range of product | OsiSense XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| Material | Plastic |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NC |
| Electrical connection | 1 male connector M12, 4 pins |
| Product specific application | - |
| Emission | Infrared diffuse |
| [Sn] nominal sensing distance | 1.97 Ft (0.6 m) diffuse |

Complementary

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|---------------------------|---------------------------------------------------|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 2.62 Ft (0.8 m) diffuse |
| Output type | Solid state |
| Add on output | Without |
| Wire insulation material | PvR |
| Status LED | 1 LED yellow)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 | <= 500 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | 35 mA no-load |
| Maximum delay first up | 15 Ms |
| Maximum delay response | 1 Ms |
| Maximum delay recovery | 1 Ms |

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| Setting-up | Sensitivity adjustment |
| Diameter | 0.71 In (18 mm) |
| Length | 3.07 In (78 mm) |
| Net weight | 0.10 Lb(US) (0.045 kg) |

Environment

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|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Product certifications | UL CSA CE |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C) |
| Ambient air temperature for storage | -40...158 °F (-40...70 °C) |
| Vibration resistance | 7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6 |
| Shock resistance | 30 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP67 double insulation IEC 60529 IP65 double insulation IEC 60529 IP69K double insulation conforming to DIN 40050 |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.34 Oz (38 g) |
| Package 1 Height | 2.60 In (6.6 cm) |
| Package 1 width | 3.46 In (8.8 cm) |
| Package 1 Length | 1.65 In (4.2 cm) |
| Package 2 Weight | 2.26 Lb(US) (1.024 kg) |

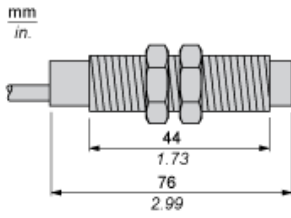
Offer Sustainability

| | |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| 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 |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Contractual warranty

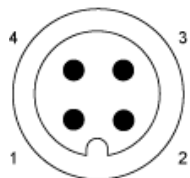
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



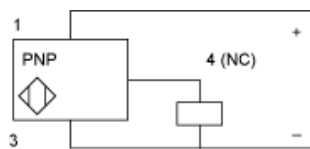
Wiring Schemes

M12 Connector

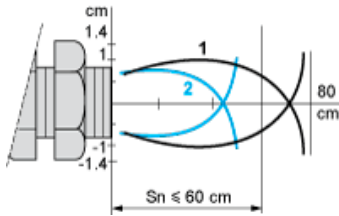


- 1: (+)
- 3: (-)
- 4: OUT/Output

PNP Outputs



Detection Curves



- 1 : White 90%
 - 2 : Grey 18%
- Object 10 x 10 cm

Product Life Status : **Commercialised**