



Main

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| Range of product | OsiSense XU |
| Series name | Application |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUY |
| Sensor design | Miniature |
| Detection system | Diffuse with background suppression |
| Material | Plastic |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 4-wire |
| Discrete output type | NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| Product specific application | Conveyor system and access control series |
| Emission | Red LED, pulsed |
| [Sn] nominal sensing distance | 3.28 ft (1 m) polarised reflex 13.12 ft (4 m) thru beam 0.26 ft (0.08 m) diffuse with background suppression 0.82 ft (0.25 m) diffuse with adjustable sensitivity |

Complementary

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|---------------------------|---|
| Enclosure material | ABS |
| Lens material | PMMA |
| Cover material | PVC |
| Pulse frequency | 6 kHz |
| Output type | Solid state |
| [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) |
| Switching frequency | 500 Hz |

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|------------------------|---|
| Maximum voltage drop | <2 V 100 mA closed state) <1 V 10 mA closed state) |
| Current consumption | < 25 mA no-load |
| Maximum delay response | 1 ms |
| Net weight | 0.17 lb(US) (0.075 kg) |

Environment

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|---------------------------------------|---|
| Product certifications | CE CULus |
| Ambient air temperature for operation | 32...122 °F (0...50 °C) |
| Ambient air temperature for storage | -4...176 °F (-20...80 °C) |
| Immunity to ambient light | 10000 lux natural light 5000 lux incandescent bulb |
| IP degree of protection | IP65 IEC 60529 IP67 IEC 60529 |

Packing Units

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|------------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 2.61 oz (74 g) |
| Package 1 Height | 1.38 in (3.5 cm) |
| Package 1 width | 2.76 in (7 cm) |
| Package 1 Length | 5.12 in (13 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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