



Main

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| Range of product | OsiSense XU |
| Series name | Application assembly |
| Specific application of photoelectric detector | Detection of objects on small conveyor Detection of reference and colour marks in packaging Monitoring position or presence of parts on an assembly or packing machine Use of fiber optics in vibratory environments (robot arms) |
| Sensor name | XUY |
| Sensor design | Fiber design |
| Emission | Red LED |

Complementary

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| Electronic sensor type | Photo-electric sensor |
| Material | Plastic |
| Enclosure material | Polycarbonate |
| Pulse frequency | 8 kHz |
| Type of output signal | Discrete |
| Output type | Solid state |
| Discrete output function | 1 NO or 1 NC programmable |
| Discrete output type | PNP and NPN |
| Electrical connection | 1 male connector M8, 4 pins |
| Cable length | 2 m |
| Supply circuit type | DC |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...30 V DC |
| Voltage state 0 guaranteed | < 1.4 V |
| Voltage state 1 guaranteed | > 3 V |
| Switching capacity in mA | 100 mA for overload and short-circuit protection |
| Switching frequency | < 1 kHz |
| Voltage drop | < 2 V (closed state) |
| Current consumption | <= 40 mA (no-load) |
| Delay response | <= 5 ms for plastic fibre optics 2.2 mm |
| Delay recovery | <= 5 ms for plastic fibre optics 2.2 mm |

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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| Setting-up | Sensitivity adjustment with teach mode |
| Product weight | 0.056 kg |

Environment

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| Product certifications | CE cULus |
| Ambient air temperature for operation | 0...60 °C |
| Ambient air temperature for storage | -20...80 °C |
| Immunity to ambient light | <= 10000 lux with natural light <= 20000 lux with incandescent bulb |
| IP degree of protection | IP65 conforming to IEC 60529 |

Offer Sustainability

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| RoHS (date code: YYWW) | Compliant - since 0706 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
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Contractual warranty

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| Warranty period | 18 months |
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