



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 | 6.56 ft (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 |
| Setting-up | Sensitivity adjustment using +/- teach mode |
| Display type | Bar graph |
| Product weight | 0.12 lb(US) (0.056 kg) |

Environment

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|---------------------------------------|--|
| product certifications | CE CULus |
| ambient air temperature for operation | 32...140 °F (0...60 °C) |
| ambient air temperature for storage | -4...176 °F (-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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|---------------------------|---------------------------|
| Not Green Premium product | Not Green Premium product |
|---------------------------|---------------------------|

Compliant - since 0707 - Schneider Electric declaration of conformity Compliant - since 0707 - Schneider Electric declaration of conformity

WARNING: This product can expose you to chemicals including: WARNING: This product can expose you to chemicals including:

Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and

Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.p65warnings.ca.gov For more information go to www.p65warnings.ca.gov

Contractual warranty

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