



Main

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| Range of product | OsiSense XU |
| Series name | Application |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUY |
| Sensor design | Compact |
| Detection system | Polarised reflex |
| Material | Plastic |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 4-wire |
| Discrete output type | PNP/NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | 1 male connector M8, 4 pins |
| Product specific application | Detection of shiny parts Through beam on a conveyor Position or presence control of parts on conditioning machine |
| Emission | Red LED |
| [Sn] nominal sensing distance | 1 m with reflector Ø 46 mm 2 m with reflector Ø 84 mm |

Complementary

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| Enclosure material | Polycarbonate strong housing |
| Pulse frequency | 8 kHz |
| Output type | Solid state |
| Add on input | Remote input |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...30 V DC |
| Switching capacity in mA | 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 1 kHz |
| Maximum voltage drop | <2 V at 100 mA (closed state) <1 V at 10 mA (closed state) |

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| Current consumption | < 40 mA no-load |
| Time delay range | 0...5 s |
| Maximum delay response | 500 ms |
| Maximum delay recovery | 500 ms |
| Setting-up | Sensitivity adjustment with teach mode |
| Depth | 13 mm |
| Length | 60 mm |
| Width | 30 mm |

Environment

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

Offer Sustainability

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| 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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