



Main

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| Range of product | OsiSense XU |
| Series name | Application assembly |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUA |
| Sensor design | Cylindrical M8 |
| Detection system | Thru beam |
| Material | Metal |
| 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 | Cable |
| Cable length | 5 m |
| Product specific application | - |
| Emission | Infrared thru beam |
| [Sn] nominal sensing distance | 2 m thru beam need a transmitter XUAH0203 |

Complementary

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| Enclosure material | Nickel plated brass |
| Lens material | PMMA |
| Maximum sensing distance | 4 m |
| Output type | Solid state |
| Add on output | Without |
| Cable composition | 3 x 0.14 mm ² |
| Wire insulation material | PvR |
| Cable outer diameter | 3.5 mm |
| Status LED | 1 LED (yellow) for output state |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...30 V DC |

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| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 2000 Hz |
| Maximum voltage drop | <1 V (closed state) |
| Current consumption | <= 25 mA no-load |
| Maximum delay first up | 20 ms |
| Maximum delay response | 0.25 ms |
| Maximum delay recovery | 0.25 ms |
| Setting-up | Without sensitivity adjustment |
| Diameter | 8 mm |
| Length | 47 mm |
| Product weight | 0.015 kg |

Environment

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| Product certifications | CULus CE |
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for storage | -30...70 °C |
| Vibration resistance | 7 gn, amplitude = +/- 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| 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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