



Main

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|-------------------------------|---|
| Range of product | OsiSense XU |
| Series name | General purpose multimode |
| Electronic sensor type | Photo-electric sensor transmitter |
| Sensor name | XUX |
| Sensor design | Compact 92 x 71 |
| Detection system | Thru beam |
| Material | Plastic |
| Supply circuit type | AC/DC |
| Wiring technique | 3-wire |
| Electrical connection | Screw-clamp terminals, 1 x 1.5 mm ² or 1 x 0.75 mm ² with adaptor |
| Product specific application | - |
| Emission | Infrared thru beam |
| [Sn] nominal sensing distance | 40 m thru beam need a receiver |

Complementary

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|---------------------------|--|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 60 m thru beam |
| Add on input | Test by emission breaking |
| Cable entry | 1 entry for M16 x 1.5 cable gland, cable outer diameter: 7...10 mm |
| Status LED | 1 LED (green) for supply on |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply voltage limits | 20...264 V AC/DC |
| Switching capacity in mA | 0.5 A (cos φ = 0.4 for 0.5 million cycles at 1 operating cycle per second at 250 V) 3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) |
| Switching frequency | ≤ 20 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | 20 mA no-load |
| Time delay range | 0.02...15 s monostable, on-delay or off-delay (programmable) delay |
| Maximum delay first up | 200 ms |
| Maximum delay response | 25 ms |
| Maximum delay recovery | 25 ms |
| Setting-up | Without sensitivity adjustment |
| Electrical durability | 500000 Cycles, cos f = 0.4, operating rate <500 cyc/mn 500000 cycles, cos f = 1, operating rate <3000 cyc/mn |
| Depth | 77 mm |
| Height | 92 mm |
| Width | 31 mm |
| Net weight | 0.2 kg |

Environment

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|---------------------------------------|--|
| Product certifications | UL CSA CE |
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 7 gn, amplitude = +/- 1.5 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 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529 |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 185 g |
| Package 1 Height | 4 cm |
| Package 1 width | 9.5 cm |
| Package 1 Length | 13 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 22 |
| Package 2 Weight | 4.434 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

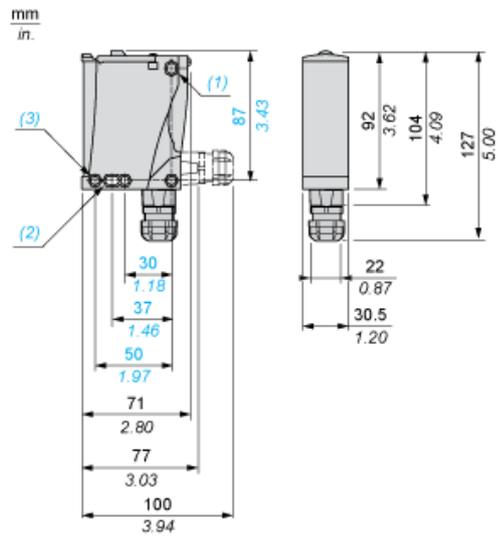
Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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 |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
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Dimensions



- (1) Elongated hole \varnothing 5.5 x 7
- (2) Elongated hole \varnothing 5.5 x 9
- (3) \varnothing 5.5 hole

Wiring Schemes

Transmitter DC

| M12 | | Terminals | | |
|-----|---|-----------|---|----------------------|
| 1 | ● | 1 | ⊘ | + |
| 3 | ● | 2 | ⊘ | - |
| 2 | ● | 3 | ⊘ | Beam break input (1) |

(1) Input not connected: beam made. Input connected to -: beam broken.

Detection Curves

