

XUX0AKSAT16T

photo-electric sensor - XUX - emitter - 12..24VDC - terminals



Main

| | |
|-------------------------------|---|
| 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 | 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

| | |
|---------------------------|--|
| 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 | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...36 V DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 250 Hz |
| Voltage drop | <= 1.5 V (closed state) |
| Current consumption | 20 mA (no-load) |
| Delay first up | < 200 ms |
| Delay response | < 2 ms |
| Delay recovery | < 2 ms |
| Setting-up | Without sensitivity adjustment |
| Depth | 77 mm |
| Height | 92 mm |
| Width | 31 mm |
| Product weight | 0.2 kg |

Environment

| | |
|---------------------------------------|--|
| product certifications | CE CSA UL |
| 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 |

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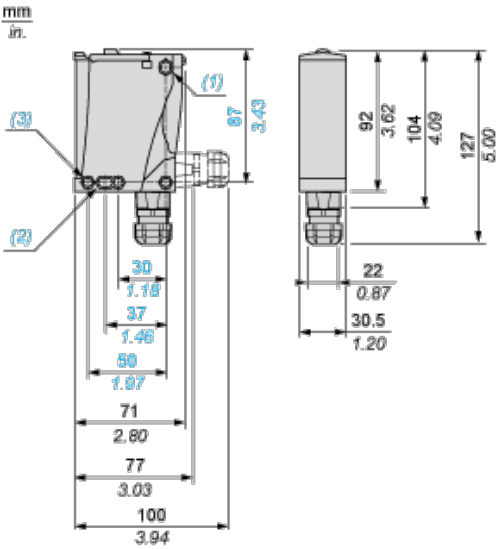
Offer Sustainability

| | |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0914 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |

Contractual warranty

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

Dimensions



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

