



Main

| | |
|-------------------------------|---|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUX |
| Sensor design | Compact 92 x 71 |
| Detection system | Polarised reflex |
| Material | Plastic |
| Type of output signal | Discrete |
| Supply circuit type | AC/DC |
| Wiring technique | 5-wire |
| Discrete output function | 1 C/O |
| Electrical connection | Screw-clamp terminals, 1 x 1.5 mm ² or 1 x 0.75 mm ² with adaptor |
| Product specific application | - |
| Emission | Red polarised reflex |
| [Sn] nominal sensing distance | 11 m polarised reflex need reflector XUZC50 |

Complementary

| | |
|--------------------------------|--|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 15 m polarised reflex |
| Output type | Relay |
| Cable entry | 1 entry for M16 x 1.5 cable gland, cable outer diameter: 7...10 mm |
| Status LED | 1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply |
| [Us] rated supply voltage | 24...240 V AC/DC |
| Supply voltage limits | 20...264 V AC |
| Switching capacity in mA | 3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) 0.5 A (cos φ = 0.4 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 | <= 35 mA no-load |
| Maximum power consumption in W | 2 W AC/DC |
| Maximum delay first up | 60 ms |
| Maximum delay response | 25 ms |
| Maximum delay recovery | 25 ms |
| Setting-up | Sensitivity adjustment |
| Electrical durability | 500000 Cycles, cos f = 1, operating rate <60 cyc/mn at 250 V 500000 cycles, cos f = 0.4, operating rate <60 cyc/mn at 250 V |
| Depth | 77 mm |
| Height | 92 mm |
| Width | 31 mm |
| Net weight | 0.2 kg |

Environment

| | |
|---------------------------------------|--|
| Product certifications | UL[RETURN]CSA[RETURN]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 | IP67 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.400 cm |
| Package 1 Width | 9.800 cm |
| Package 1 Length | 13.000 cm |
| Package 1 Weight | 196.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 22 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 4.874 kg |

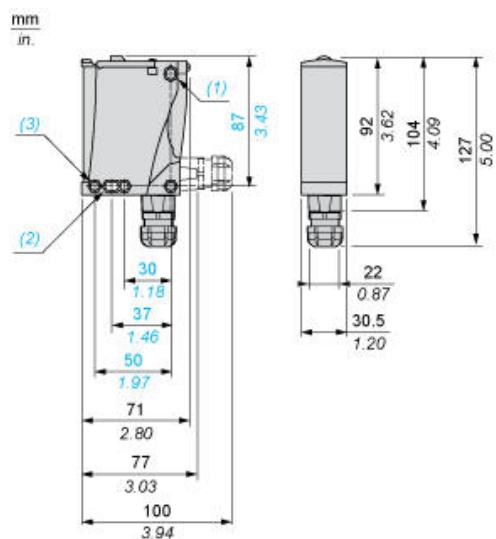
Offer Sustainability

| | |
|--|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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. For more information go to www.P65Warnings.ca.gov |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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

Dimensions

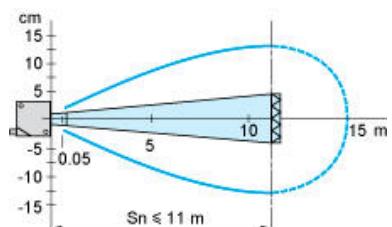


[Wiring Schemes](#)

[Relay Output AC/DC](#)

| Terminals | | |
|-----------|---|--------------|
| 1 | Ø | AC/DC |
| 2 | Ø | AC/DC |
| 3 | Ø | NO |
| 4 | Ø | Relay common |
| 5 | Ø | NC |

Detection Curves



With reflector XUZC50