



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 | Diffuse |
| Material | Plastic |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NO |
| Electrical connection | 1 male connector M12, 4 pins |
| Product specific application | - |
| Emission | Infrared diffuse |
| [Sn] nominal sensing distance | 2.1 m diffuse |

Complementary

| | |
|---------------------------|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 3 m diffuse |
| Output type | Solid state |
| Status LED | 1 LED (yellow) for output state 1 LED (green) for supply |
| [Us] rated supply voltage | 12...24 V DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 250 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | <= 35 mA no-load |
| Maximum delay first up | 15 ms |
| Maximum delay response | 2 ms |
| Maximum delay recovery | 2 ms |
| Setting-up | Sensitivity adjustment |
| 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 | 4.200 cm |
| Package 1 Width | 9.700 cm |
| Package 1 Length | 13.300 cm |
| Package 1 Weight | 185.000 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 11 |
| Package 2 Height | 15 cm |
| Package 2 Width | 15 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 2.213 kg |

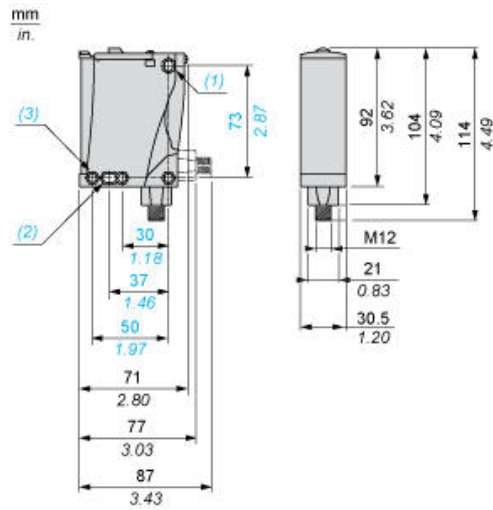
Offer Sustainability

| | |
|--|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl 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 |
|----------|-----------|

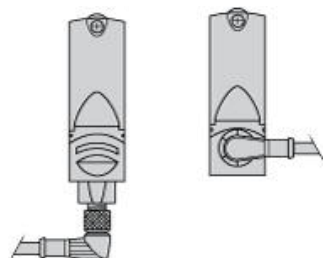
Dimensions



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

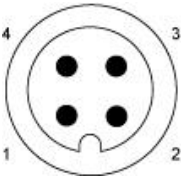
Mounting and Clearance

Possible Orientation of Elbowed Connector (Rear View)



Wiring Schemes

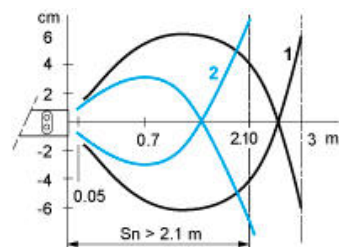
M12 Connector



PNP/NPN DC

| M12 | | Terminals | | |
|-----|---|-----------|---|--------|
| 1 | ● | 1 | ⊗ | + |
| 3 | ● | 2 | ⊗ | - |
| 4 | ● | 3 | ⊗ | Output |

Detection Curves



1 : White 90%

2 : Grey 18%

Object 10 x 10 cm