



Main

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|-------------------------------|--|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor receiver |
| Sensor name | XUX |
| Sensor design | Compact 92 x 71 |
| Detection system | Thru beam |
| 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 thru beam |
| [Sn] nominal sensing distance | 40 m thru beam need a transmitter XUX0AKSAM12T |

Complementary

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|---------------------------|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 60 m thru beam |
| Output type | Solid state |
| Add on output | Without |
| Status LED | 1 LED (yellow) for output state 1 LED (green) for supply |
| [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 |
| 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

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|---------------------------------------|--|
| Product certifications | UL[RETURN]CE[RETURN]CSA |
| 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 Height | 4.1 cm |
| Package 1 Width | 9.6 cm |
| Package 1 Length | 13.0 cm |
| Package 1 Weight | 187.0 g |

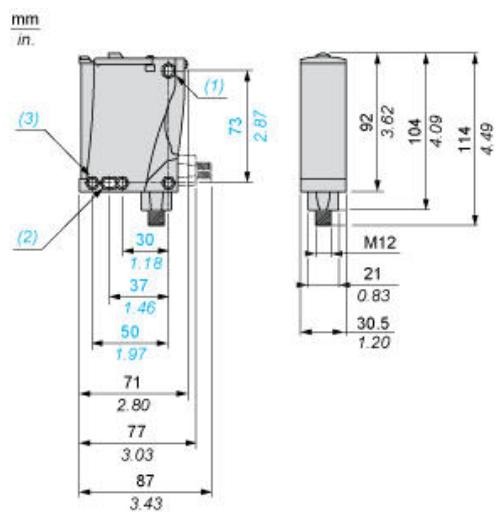
Offer Sustainability

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

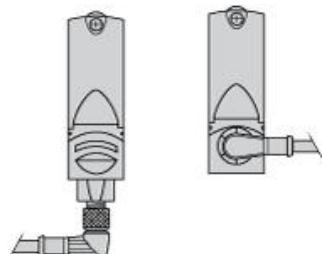
| | |
|----------|-----------|
| Warranty | 18 months |
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Dimensions



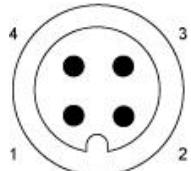
Mounting and Clearance

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

