# Product data sheet
## Characteristics

# XUB9ANXNL2
## Photoelectric sensors XU, photo electric sensor, cylindrical, plastic, polarised, Smax 7 m, NPN, Cable 2 m

### Main

| | |
|---|---|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| Detection system | Polarised reflex |
| Material | Plastic |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 4 wires |
| Discrete output type | NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | Cable |
| Cable length | 2 m |
| Emission | Red LED polarised reflex |
| [Sn] nominal sensing distance | 5 m polarised reflex need reflector XUZC50 |

### Complementary

| | |
|---|---|
| Enclosure material | PC/PBT |
| Lens material | PMMA |
| Maximum sensing distance | 7 m polarised reflex |
| Output type | Discrete |
| Wire insulation material | PVC |
| Status LED | 1 LED (green) for supply on/stability<br>1 LED (orange) for output state<br>1 LED (orange) for receiver/output |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10…30 V DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2 V (closed state)no-load |
| Current consumption | < 20 mA no load |
| Maximum delay first up | 100 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 0.5 ms |
| Setting-up | Sensitivity by potentiometer |
| Diameter | 18 mm |
| Length | 44 mm |
| Net weight | 0.090 kg |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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## Environment

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|---|---|
| Product certifications | CE[RETURN]cULus[RETURN]UKCA[RETURN]RoHS |
| Ambient air temperature for operation | -30…55 °C |
| Ambient air temperature for storage | -40…70 °C |
| Relative humidity | 35…95 % |
| Immunity to ambient light | 40000 Lux sunlight<br>10000 lux incandescent light |
| Vibration resistance | 7 gn, amplitude = +/- 1.5 mm (f = 10…55 Hz)for every axis conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529<br>IP65 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 | 1.8 cm |
| Package 1 Width | 1.6 cm |
| Package 1 Length | 4.4 cm |
| Package 1 Weight | 95 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 36 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 3.735 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 576 |
| Package 3 Height | 70 cm |
| Package 3 Width | 60 cm |
| Package 3 Length | 80 cm |
| Package 3 Weight | 68.26 kg |

## Offer Sustainability

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|---|---|
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

## Contractual warranty

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