# Product data sheet
## Characteristics

# XUB4BPANM12
## Photoelectric sensors XU, XUB, diffuse, Sn 0.1 m, 12...24 VDC, M12



## 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 | Diffuse |
| Material | Metal |
| Line of sight type | Axial |
| 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 | 0.1 M diffuse |

## Complementary

| | |
|---|---|
| Enclosure material | Nickel plated brass |
| Lens material | PMMA |
| Maximum sensing distance | 0.15 M diffuse |
| Output type | Solid state |
| Add on output | Without |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| [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 | <= 500 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | 35 mA no-load |
| Maximum delay first up | 15 Ms |
| Maximum delay response | 1 Ms |

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|---|---|
| Setting-up | Without sensitivity adjustment |
| Diameter | 18 Mm |
| Length | 62 Mm |
| Net weight | 0.05 Kg |

## Environment

| | |
|---|---|
| Product certifications | CE<br>CSA<br>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 | IP67 double insulation conforming to IEC 60529<br>IP65 double insulation conforming to IEC 60529<br>IP69K double insulation conforming to DIN 40050 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 49.0 G |
| Package 1 Height | 4.2 Cm |
| Package 1 width | 6.6 Cm |
| Package 1 Length | 9.6 Cm |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 22 |
| Package 2 Weight | 1.394 Kg |
| Package 2 Height | 15 Cm |
| Package 2 width | 15 Cm |
| Package 2 Length | 40 Cm |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

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

Product Life Status : Commercialised