

Product datasheet

Specifications



photo-electric sensor - XUB - receiver - Sn 15m - 12..24VDC - M12

XUB2BPANM12R

Main

| | |
|-------------------------------|--|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor receiver |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| Detection system | Thru beam |
| 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 thru beam |
| [Sn] nominal sensing distance | 15 m thru beam need a transmitter XUB2BKSNM12T |

Complementary

| | |
|---------------------------|---|
| Enclosure material | Nickel plated brass |
| Lens material | PMMA |
| Maximum sensing distance | 20 m thru beam |
| Output type | Solid state |
| Add on output | Without |
| 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 |
| Maximum delay recovery | 1 ms |
| Setting-up | Without sensitivity adjustment |
| Diameter | 18 mm |
| Length | 60 mm |
| Net weight | 0.05 kg |

Environment

| | |
|---------------------------------------|---|
| Product certifications | CSA UL 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 | IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529 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 | 42.0 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 | 1.383 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 Length | 40 cm |

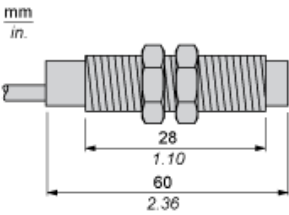
Offer Sustainability

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

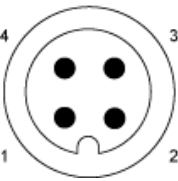
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



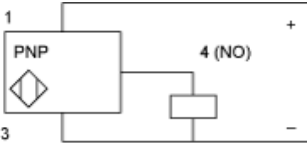
Wiring Schemes

M12 Connector



- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

PNP Outputs



Detection Curves

