

XUBLAPCNM12R

Photoelectric sensors XU, XUB, receiver, laser,
Sn 100 m, 12...24 VDC, M12



Main

| | |
|-------------------------------|--|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | Application material handling |
| Electronic sensor type | Photo-electric sensor receiver |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| 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 or 1 NC programmable |
| Electrical connection | 1 male connector M12, 4 pins |
| Product specific application | - |
| Emission | Red laser thru beam class 1 670 nm conforming to IEC 60825-1 |
| [Sn] nominal sensing distance | 0...100 m thru beam need a transmitter XUBLAKCNM12T |

Complementary

| | |
|---------------------------|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Output type | Solid state |
| Status LED | 1 LED (green) for supply on 1 LED (yellow) for output state 1 LED (red) for stability |
| [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 | <= 1500 Hz |
| Maximum voltage drop | <1.5 V (closed state) |
| Current consumption | 25 mA no-load |
| Maximum delay first up | 80 ms |
| Maximum delay response | 0.4 ms |
| Maximum delay recovery | 0.4 ms |
| Diameter | 18 mm |
| Length | 76 mm |
| Net weight | 0.04 kg |

Environment

| | |
|---------------------------------------|---|
| Product certifications | CE[RETURN]CSA[RETURN]UL |
| Ambient air temperature for operation | -10...45 °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 |

Packing Units

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.6 cm |
| Package 1 Width | 7.0 cm |
| Package 1 Length | 13.0 cm |
| Package 1 Weight | 44.0 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 15 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 15.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 838.0 g |

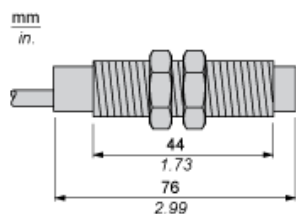
Offer Sustainability

| | |
|--|--|
| 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 Diisodecyl 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

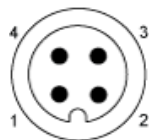
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



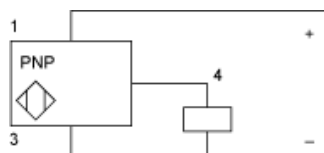
Wiring Schemes

M12 Connector



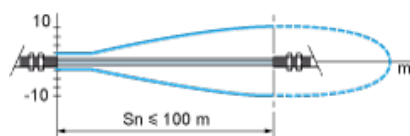
- 1 : (+)
- 2 : Beam break input
- 3 : (-)
- 4 : OUT/Output

PNP

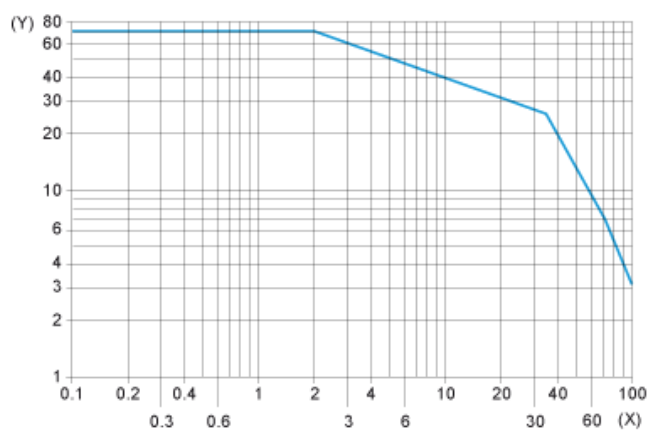


Curves

Detection Curve (Set to Infinity)

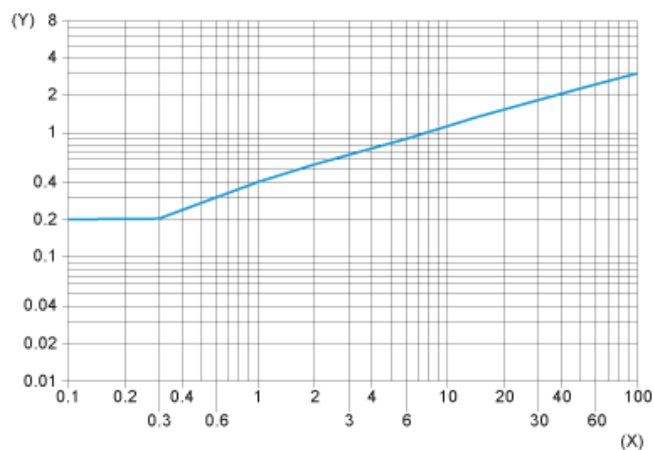


Excess Gain Curve



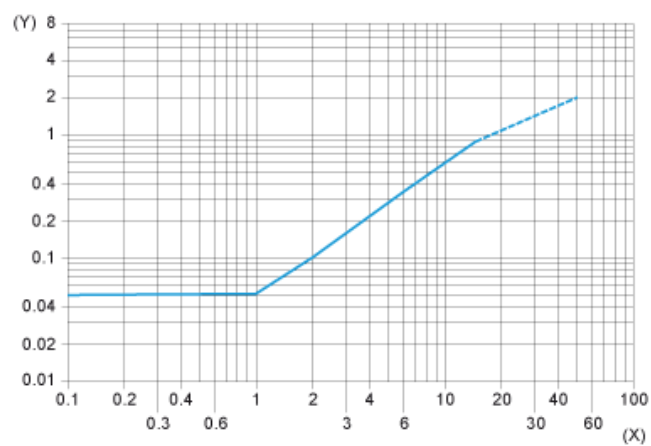
(X) Distance (m)
(Y) Gain

Standard Curve



(X) Distance focusing point (m)
(Y) Minimum size of the object to be detected (mm)

Detection Limit Curve



(X) Distance focusing point (m)

(Y) Minimum size of the object to be detected (mm)