

Product data sheet

Characteristics

XUBLBPCNM12R

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



Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 403.50 USD



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 | Metal |
| 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 0.000026378 in (670 nm) IEC 60825-1 |
| [Sn] nominal sensing distance | 0.00...328.08 Ft (0...100 m) thru beam need a transmitter XUBLBKCNM12T |

Complementary

| | |
|---------------------------|---|
| Enclosure Material | Nickel Plated Brass |
| Lens material | PMMA |
| Output Type | Solid state |
| Status LED | 1 LED green)supply on 1 LED yellow)output state 1 LED red)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 | 0.71 In (18 mm) |
| Length | 2.99 In (76 mm) |
| Net Weight | 0.15 Lb(US) (0.07 kg) |

Environment

| | |
|---------------------------------------|---|
| Product Certifications | UL CSA CE |
| Ambient Air Temperature for Operation | 14...113 °F (-10...45 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Vibration resistance | 7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6 |
| Shock resistance | 30 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP67 double insulation IEC 60529 |

Ordering and shipping details

| | |
|-----------------------|--------------------------------|
| Category | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule | DS2 |
| GTIN | 03389119021081 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 2.36 Oz (67 g) |
| Returnability | No |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.42 In (3.6 cm) |
| Package 1 width | 2.76 In (7 cm) |
| Package 1 Length | 5.12 In (13 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 15 |
| Package 2 Weight | 2.67 Lb(US) (1.209 kg) |
| Package 2 Height | 5.91 In (15 cm) |
| Package 2 width | 5.91 In (15 cm) |
| Package 2 Length | 15.75 In (40 cm) |

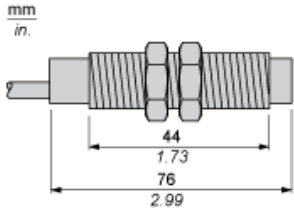
Offer Sustainability

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

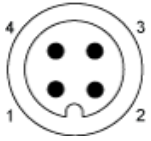
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



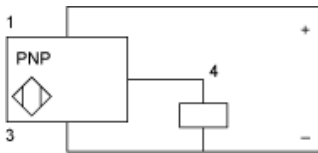
Wiring Schemes

M12 Connector



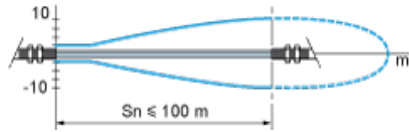
- 1 : (+)
- 2 : Beam break input
- 3 : (-)
- 4 : OUT/Output

PNP

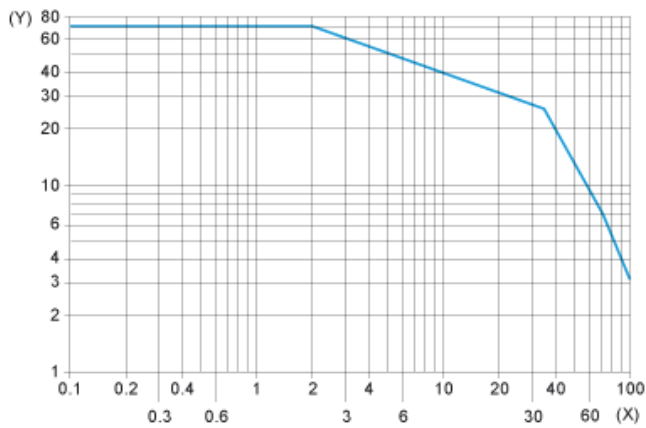


Curves

Detection Curve (Set to Infinity)

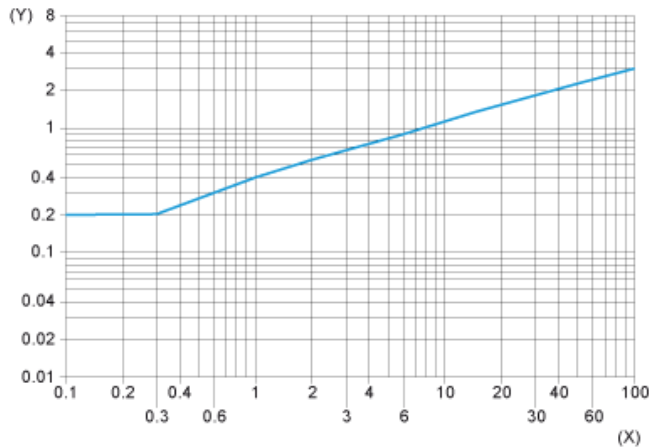


Excess Gain Curve



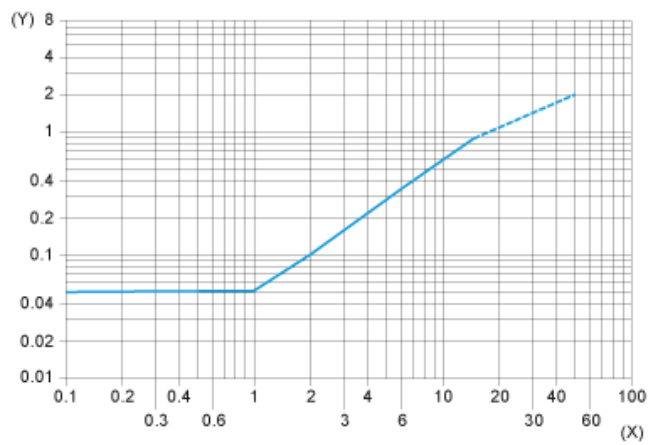
(X) Distance (m)
(Y) Gain

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)

Product Life Status : **Commercialised**