# Product data sheet
## Characteristics

# XUB2AKSNM12T
photo-electric sensor - XUB - emitter - 12..24VDC - M12

Green Premium™ Product

## Main

| | |
|---|---|
| Range of product | OsiSense XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor transmitter |
| Sensor name | XUB |
| Sensor design | Cylindrical M18 |
| Detection system | Thru beam |
| Material | Plastic |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Electrical connection | 1 male connector M12, 4 pins |
| Product specific application | - |
| Emission | Infrared thru beam |
| [Sn] nominal sensing distance | 49.21 Ft (15 m) thru beam need a receiver |

## Complementary

| | |
|---|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 65.62 Ft (20 m) thru beam |
| Output type | Solid state |
| Add on input | Test by emission breaking |
| Status LED | 1 LED green)supply on |
| [Us] rated supply voltage | 12...24 V DC 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 | 0.71 In (18 mm) |

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| Length | 2.36 In (60 mm) |
|---|---|
| Net weight | 0.09 Lb(US) (0.04 kg) |

## Environment

| | |
|---|---|
| Product certifications | CSA<br>UL<br>CE |
| Ambient air temperature for operation | -13…131 °F (-25…55 °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 | IP65 double insulation IEC 60529<br>IP67 double insulation IEC 60529<br>IP69K double insulation conforming to DIN 40050 |

## Packing Units

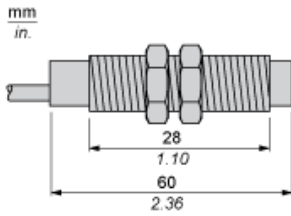| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.06 Oz (30 g) |
| Package 1 Height | 1.65 In (4.2 cm) |
| Package 1 width | 3.78 In (9.6 cm) |
| Package 1 Length | 2.60 In (6.6 cm) |
| Package 2 Weight | 2.21 Lb(US) (1.001 kg) |

## 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

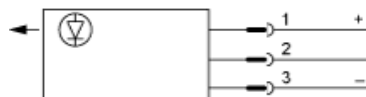| | |
|---|---|
| Warranty | 18 months |

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## Dimensions

## Wiring Schemes

### M12 Connector



1 :     (+)
2 :     Beam break input (1)
3 :     (-)
4 :     OUT/Output
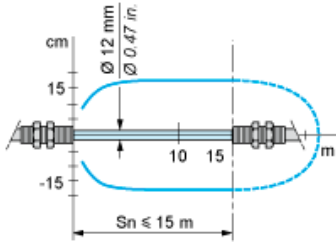(1)     Beam break input on thru-beam transmitter only

### Transmitter



Input 2:

- not connected: beam made

- connected to -: beam broken

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Detection Curves



| Product Life Status : | Commercialised |
|---|---|