



Main

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|-------------------------------|---|
| Range of Product | Telemecanique Photoelectric sensors XU |
| Series name | Application packaging |
| Electronic sensor type | Photo-electric sensor |
| Product Specific Application | Detection of transparent object |
| Sensor name | XUBT |
| Sensor design | Cylindrical M18 |
| Detection system | Reflex |
| Material | Metal |
| Line of sight type | Axial |
| Supply circuit type | DC |
| Wiring Technique | 3-wire |
| Discrete output type | NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | 1 male connector M12, 4 pins |
| Emission | Coaxial polarised red reflex |
| [Sn] nominal sensing distance | 0.00...4.59 ft (0...1.4 m) with reflector XUZ C50/C50HP |

Complementary

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|---------------------------|--|
| Kit composition | Sensor Reflector XUZC50HP |
| Enclosure Material | Stainless steel : 304 CU |
| Lens material | PMMA |
| Beam angle | 1.5 ° |
| Blind zone | 0.00 in (0 mm) |
| Spot diameter | 1.46 in (37 mm) |
| Type of output signal | Discrete |
| Output Type | Solid state |
| Status LED | Supply on 1 LED green) Stability 1 LED red) Output state 1 LED yellow) |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Supply voltage limits | 10...32 V DC |
| Switching capacity in mA | 100 mA overload and short-circuit protection) |
| Switching frequency | 1000 Hz |
| Maximum voltage drop | <1.5 V closed state) |
| Current consumption | 45 mA no-load |
| Maximum delay first up | 200 ms |
| Maximum delay response | 500 ms |
| Maximum delay recovery | 500 ms |
| Net Weight | 0.15 lb(US) (0.07 kg) |

Environment

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|---------------------------------------|--|
| Product Certifications | UL CSA CE |
| Ambient Air Temperature for Operation | 32...131 °F (0...55 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Vibration resistance | 7 gn +/- 1 mm 10...55 Hz) IEC 60068-2-6 |
| Shock resistance | 30 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP65 IEC 60529 double insulation) IP67 IEC 60529 double insulation) IP69K DIN 40050 double insulation) |

Ordering and shipping details

| | |
|-----------------------|------------------------------|
| Category | 22481-SENSORS, PHOTOELECTRIC |
| Discount Schedule | DS2 |
| GTIN | 3389119020985 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.62 oz (46.0 g) |
| Returnability | No |
| Country of origin | FR |

Packing Units

| | |
|------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.56 in (6.5 cm) |
| Package 1 width | 3.74 in (9.5 cm) |
| Package 1 Length | 1.61 in (4.1 cm) |

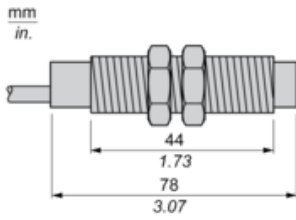
Offer Sustainability

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

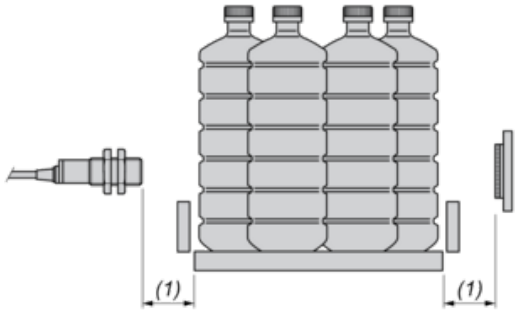
| | |
|----------|-----------|
| Warranty | 18 months |
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Dimensions



Setting-up

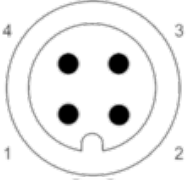
Recommended Distances and Application Restraints



(1) Blind zone : 0 m

Wiring Schemes

M12 Connector



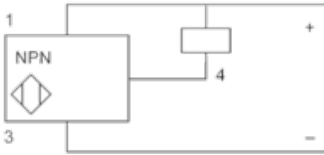
3 : (-)

1 : (+)

4 : OUT/Output

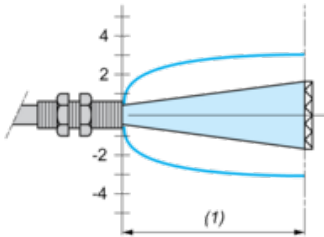
2 : Not connected

NPN



Detection Curves

Line of Sight Along Case Axis



$S_n \leq 1.4 \text{ m}$