# XUBT1PSNL2

## Main

| | |
|---|---|
| Range of product | OsiSense XU |
| Series name | Application packaging |
| Electronic sensor type | Photo-electric sensor |
| Product specific application | Detection of transparent object |
| Sensor name | XUBT1 |
| Sensor design | Cylindrical M18 |
| Detection system | Reflex |
| Material | Plastic |
| Line of sight type | Axial |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| Emission | Dual lens red reflex |
| [Sn] nominal sensing distance | 0...2.62 ft (0...0.8 m) need reflector XUZC50 |

## Complementary

| | |
|---|---|
| Kit composition | Sensor<br>Reflector XUZC50 |
| Enclosure material | PBT |
| Lens material | PMMA |
| Beam angle | 1.5 ° |
| Blind zone | 3.94 in (100 mm) |
| Spot diameter | 1.46 in (37 mm) |
| Type of output signal | Discrete |
| Output type | Solid state |
| Wire insulation material | PvR |
| Status LED | 1 LED (green) supply on<br>1 LED (yellow) output state<br>1 LED (red) alignment |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...32 V DC |
| Switching capacity in mA | 100 mA (overload and short-circuit protection) |
| Switching frequency | 250 Hz |
| Voltage drop | <= 1.5 V (closed state) |
| Current consumption | 30 mA (no-load) |
| Delay first up | < 2000 ms |
| Delay response | < 2000 ms |
| Delay recovery | < 2000 ms |
| Product weight | 0.23 lb(US) (0.103 kg) |

## Environment

| | |
|---|---|
| product certifications | CE<br>CSA<br>UL |
| ambient air temperature for operation | 32...131 °F (0...55 °C) |
| ambient air temperature for storage | -40...158 °F (-40...70 °C) |

Schneider Electric

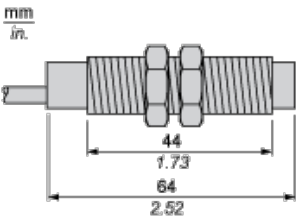| vibration resistance | 7 gn, amplitude = +/- 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
|---|---|
| shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP65 (double insulation) conforming to IEC 60529<br>IP67 (double insulation) conforming to IEC 60529 |

## Offer Sustainability

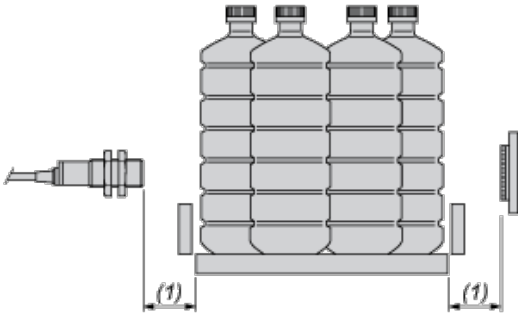| Not Green Premium product | Not Green Premium product |
|---|---|
| Will not be Compliant | Will not be Compliant |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and | 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. | 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 | For more information go to www.p65warnings.ca.gov |

## Contractual warranty

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

## Dimensions



## Setting-up
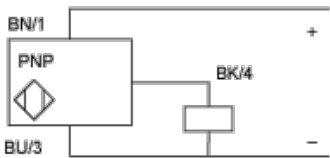
### Recommended Distances and Application Restraints
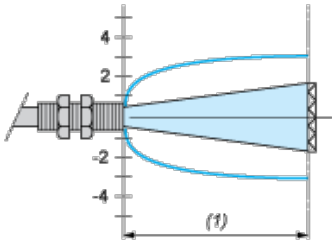


**(1)** Blind zone : 0,1 m

## Wiring Schemes

### PNP



**BU :** Blue

**BN :** Brown

**BK :** Black (out / output)

## Detection Curves

### Line of Sight Along Case Axis



**Sn** ≤ 0.8 m