# XUBTSPSNL2



#### 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                   | 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          | PNP  |
| Discrete output function      | 1 NO or 1 NC programmable                      |
| Electrical connection         | Cable  |
| Cable length                  | 6.56 ft (2 m)                                  |
| Emission                      | Coaxial polarised red reflex                   |
| [Sn] nominal sensing distance | 04.59 ft (01.4 m) with reflector XUZ C50/C50HP |

# Complementary

| Kit composition           | Reflector XUZC50HP<br>Sensor  |   |
|---------------------------|---|---|
| Enclosure material        | Stainless steel : 304 CU  |   |
| Lens material             | PMMA  |   |
| Beam angle                | 1.5 °   |   |
| Blind zone                | 0 in (0 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 (red) stability<br>1 LED (yellow) output state |   |
| [Us] rated supply voltage | 1224 V DC with reverse polarity protection                                      |   |
| Supply voltage limits     | 1032 V DC   | _ |
| Switching capacity in mA  | 100 mA (overload and short-circuit protection)                                  |   |
| Switching frequency       | 1000 Hz   |   |
| Voltage drop              | <= 1.5 V (closed state)   |   |
| Current consumption       | 45 mA (no-load)   |   |
| Delay first up            | < 200 ms  |   |
| Delay response            | < 500 ms  |   |
| Delay recovery            | < 500 ms  |   |
| Product weight            | 0.3 lb(US) (0.135 kg)   |   |
|                           |   |   |

### **Environment**

| product certifications                | CE<br>CSA<br>UL      |
|---------------------------------------|----------------------|
| ambient air temperature for operation | 32131 °F (055 °C)    |
| ambient air temperature for storage   | -40158 °F (-4070 °C) |

| vibration resistance    | 7 gn, amplitude = +/- 1 mm (f = 1055 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)   |
|                         | IP67 (double insulation)   |
|                         | IP69K (double insulation) conforming to DIN 40050                    |

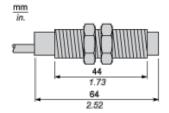
### **Offer Sustainability**

| <b>,</b>  |   |
|---|---|
| Not Green Premium product   | Not Green Premium product   |
| Compliant - since 0724 - Schneider Electric declaration of conformity   | Compliant - since 0724 - Schneider Electric declaration of conformity   |
| Available   | Available   |
| Available   | Available   |
| 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                               | e Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                               |
| Di-isodecyl phthalate (DIDP), which is known to the Stat of California to cause birth defects or other reproductive harm. | eDi-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

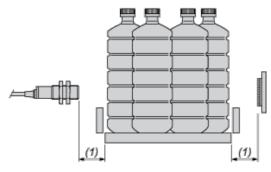
| Warranty period 18 months |
|---------------------------|
|---------------------------|

### **Dimensions**



## **Setting-up**

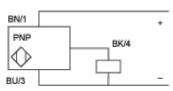
### **Recommended Distances and Application Restraints**



(1) Blind zone: 0 m

# **Wiring Schemes**

#### PNP

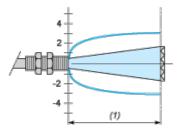


BU : Blue BN : Brown



## **Detection Curves**

## Line of Sight Along Case Axis



**Sn** ≤1.4 m