



## 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                      | Plastic  |
| Line of sight type            | 90° lateral  |
| 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                         |
| Emission                      | Coaxial polarised red reflex                         |
| [Sn] nominal sensing distance | 0...2.62 ft (0...0.8 m) with reflector XUZ C50/C50HP |

## Complementary

|                           |   |
|---------------------------|---|
| Kit composition           | Reflector XUZC50HP<br>Sensor  |
| Enclosure material        | PBT   |
| 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   |
| Status LED                | 1 LED (green) supply on<br>1 LED (red) stability<br>1 LED (yellow) output state |
| [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       | 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            | 0.11 lb(US) (0.048 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)  |
| 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                   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

IP degree of protection

IP65 (double insulation) conforming to IEC 60529  
IP67 (double insulation) conforming to IEC 60529  
IP69K (double insulation) conforming to DIN 40050

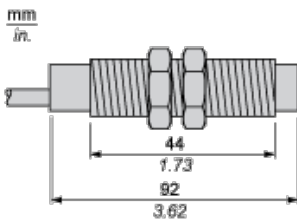
## Offer Sustainability

|  |  |
|--|--|
| Not Green Premium product  | Not Green Premium product  |
| Compliant - since 0724 - Schneider Electric declaration of conformity  | Compliant - since 0724 - Schneider Electric declaration of conformity  |
| 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

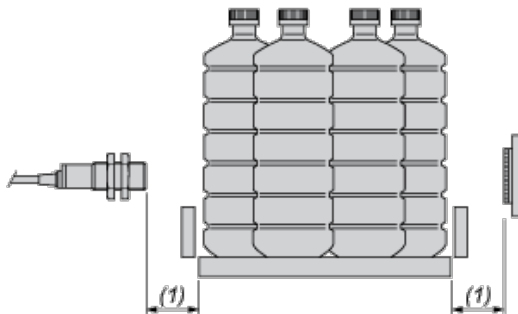
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions



## Setting-up

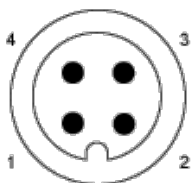
### Recommended Distances and Application Restraints



(1) Blind zone : 0 m

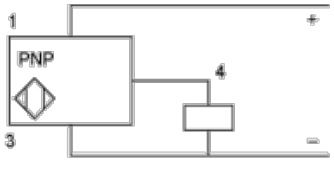
## Wiring Schemes

### M12 Connector



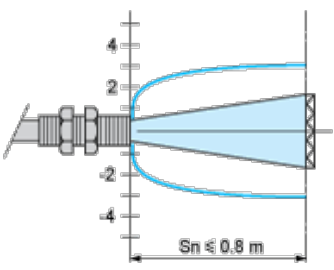
- 3 : (-)
- 1 : (+)
- 4 : OUT/Output
- 2 : Not connected

## PNP



## Detection Curves

Line of Sight 90° to Case Axis



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)  
Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)