



## Main

|                              |                                               |
|------------------------------|-----------------------------------------------|
| Range of product             | OsiSense XX                                   |
| Sensor type                  | Ultrasonic sensor                             |
| Sensor name                  | XX7                                           |
| Material                     | Valox                                         |
| Sensor design                | Flat form + cylindrical M18                   |
| Product specific application | Optimum and universal                         |
| Type of output signal        | Discrete                                      |
| Wiring technique             | 4 wires                                       |
| [Us] rated supply voltage    | 12...24 V DC with reverse polarity protection |
| Discrete output function     | 1 NO                                          |
| Discrete output type         | PNP                                           |
| Electrical connection        | Cable 9.84 ft (3 m)                           |
| [Sd] sensing range           | 2...20 in (50.8...508 mm)                     |
| Beam angle                   | 5 °                                           |
| IP degree of protection      | IP67 conforming to IEC 60529                  |

## Complementary

|                                                   |                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------|
| Enclosure material                                | ULTEM                                                                                        |
| Front material                                    | Glass epoxy                                                                                  |
| ISO thread                                        | M18 x 1                                                                                      |
| Supply voltage limits                             | 10...28 V DC                                                                                 |
| [Sn] nominal sensing distance                     | 20 in (508 mm)                                                                               |
| Type of sensing window                            | Fixed                                                                                        |
| [Sa] assured operating distance                   | 2.01...20 in (51...508 mm) (teach mode)                                                      |
| Maximum differential travel                       | <= 0.1 in (2.5 mm)                                                                           |
| Blind zone                                        | 2.01 in (51 mm)                                                                              |
| Transmission frequency                            | 300 kHz                                                                                      |
| Repeat accuracy                                   | 1.27 %                                                                                       |
| Deviation angle from 90° of object to be detected | -10...10 °                                                                                   |
| Minimum size of detected object                   | Cylinder diameter 2.5 mm up to 254 mm sensing distance                                       |
| Status LED                                        | 2 LEDs (green/yellow (flashing)) setting-up assistance<br>2 LEDs (green/yellow) output state |
| Current consumption                               | 40 mA                                                                                        |
| Maximum switching current                         | 100 mA with overload and short-circuit protection                                            |
| Voltage drop                                      | <= 1 V                                                                                       |
| Switching frequency                               | 40 Hz                                                                                        |
| Delay first up                                    | 100 ms                                                                                       |
| Delay response                                    | 15 ms                                                                                        |
| Delay recovery                                    | 1000 ms                                                                                      |
| Marking                                           | CE                                                                                           |
| Height                                            | 1.72 in (43.7 mm)                                                                            |
| Width                                             | 0.71 in (18 mm)                                                                              |
| Depth                                             | 1.72 in (43.7 mm)                                                                            |
| Length                                            | 2.35 in (59.69 mm)                                                                           |
| CAD overall height                                | 2.58 in (65.61 mm)                                                                           |
| CAD overall width                                 | 0.71 in (18 mm)                                                                              |
| CAD overall depth                                 | 0.71 in (18 mm)                                                                              |
| Product weight                                    | 0.18 lb(US) (0.08 kg)                                                                        |

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.

Environment

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| standards                             | IEC 60947-5-2                                            |
| product certifications                | UL                                                       |
| NEMA degree of protection             | NEMA 4X indoor use only                                  |
| ambient air temperature for operation | -22...158 °F (-30...70 °C)                               |
| ambient air temperature for storage   | -40...176 °F (-40...80 °C)                               |
| vibration resistance                  | +/-1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6     |
| shock resistance                      | 30 gn 11 ms (in all 3 axes) conforming to IEC 60068-2-27 |
| resistance to electrostatic discharge | 8 kV, level 4 conforming to IEC 61000-4-2                |
| resistance to electromagnetic fields  | 9.14 V/yd (10 V/m), level 3 conforming to IEC 61000-4-3  |
| resistance to fast transients         | 1 kV, level 3 conforming to IEC 61000-4-4                |

Offer Sustainability

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

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.



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