



## Main

|                                    |                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                                   |
| Series name                        | General purpose                                                                               |
| Sensor type                        | Inductive proximity sensor                                                                    |
| Device application                 | -                                                                                             |
| Sensor name                        | XS9                                                                                           |
| Sensor design                      | Form 40 x 40 x 117                                                                            |
| Size                               | 117 mm                                                                                        |
| Body type                          | Fixed                                                                                         |
| Detector flush mounting acceptance | Non flush mountable                                                                           |
| Material                           | Plastic                                                                                       |
| Enclosure material                 | PBT                                                                                           |
| Type of output signal              | Analogue                                                                                      |
| Wiring technique                   | 3-wire                                                                                        |
| [Sn] nominal sensing distance      | 0.98 in (25 mm)                                                                               |
| Output circuit type                | DC                                                                                            |
| Analogue output range              | 0...10 V                                                                                      |
| Electrical connection              | Screw-clamp terminals, clamping capacity: 4 x 1.5 mm <sup>2</sup>                             |
| [Us] rated supply voltage          | 24 V DC with reverse polarity protection                                                      |
| IP degree of protection            | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                       |                                    |
|-----------------------|------------------------------------|
| Detection face        | 5 positions turret head            |
| Front material        | PBT                                |
| Operating zone        | 0.08...1.06 in (2...27 mm)         |
| Differential travel   | 3...15% of Sr                      |
| Linearity error       | <= 3% of Sr                        |
| Output current drift  | <= 5 %                             |
| Cable entry number    | 1 tapped entry Pg 13.5 cable gland |
| Status LED            | 1 LED yellow output state          |
| Supply voltage limits | 15...36 V DC                       |
| Current consumption   | 0...4 mAat no-load                 |
| Delay first up        | <= 7.5 ms                          |
| Delay response        | <= 6 ms                            |
| Delay recovery        | <= 6 ms                            |
| Marking               | CE                                 |
| Height                | 1.57 in (40 mm)                    |
| Length                | 1.57 in (40 mm)                    |
| Width                 | 4.61 in (117 mm)                   |
| Product weight        | 0.54 lb(US) (0.244 kg)             |

## Environment

|                        |                  |
|------------------------|------------------|
| product certifications | CCC<br>CSA<br>UL |
|------------------------|------------------|

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.

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| ambient air temperature for operation | -13...158 °F (-25...70 °C)                                              |
| ambient air temperature for storage   | -40...185 °F (-40...85 °C)                                              |
| vibration resistance                  | 25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| shock resistance                      | 50 gn 11 ms conforming to EN 60068-2-27                                 |

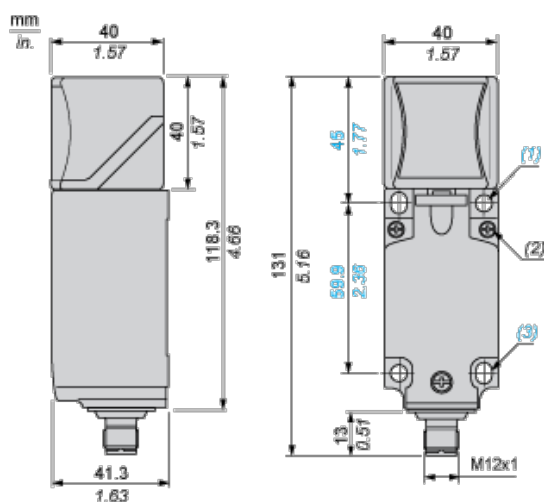
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1213 - Schneider Electric declaration of conformity                                                      | Compliant - since 1213 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Available                                                                                                                  | Available                                                                                                                  |
| Need no specific recycling operations                                                                                      | Need no specific recycling operations                                                                                      |
| 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 |
|-----------------|-----------|

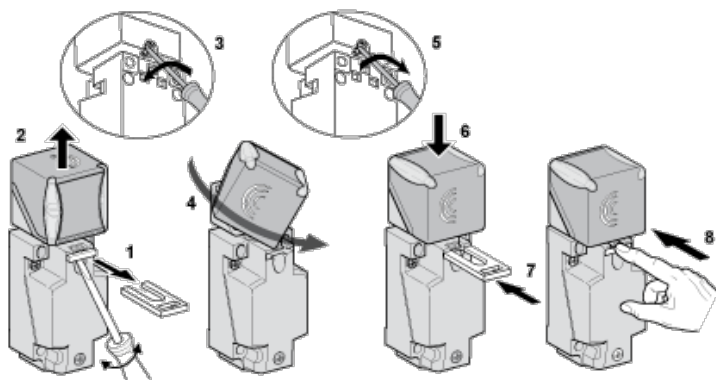
## Dimensions



- (1) 2 holes Ø 5,45 mm / Ø 0.21 in. (Tightening torque: < 1,5 Nm / < 13.3 lb-in.)
- (2) 3 screws M3,5. (Tightening torque: < 1,2 Nm / < 10.6 lb-in.)
- (3) 2 elongated holes 5,4 x 7,4 mm / 0.21 x 0.29 in. (Tightening torque: < 1,5 Nm / < 13.3 lb-in.)

## Mounting

### Head Positions



## Setting-up Precautions

### Minimum Mounting Distances (mm)

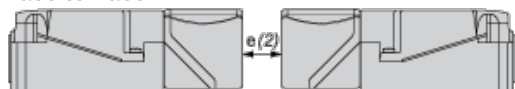
#### Side by Side



e (1) 120

≥

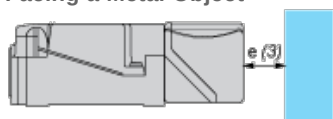
#### Face to Face



e (2) 240

≥

#### Facing a Metal Object

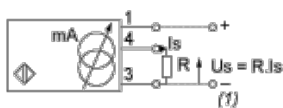


e (3) 90

≥

## Wiring Schemes

### 3-Wire

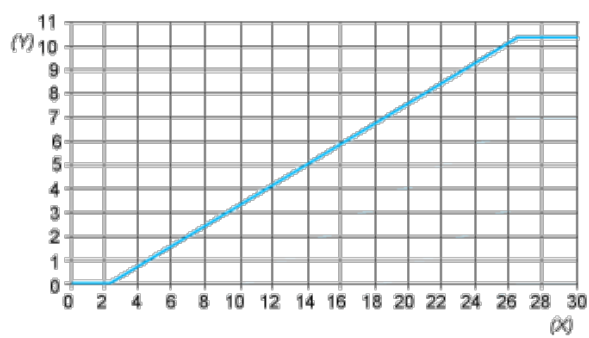


(1) Output voltage

Ensure a minimum of 5 V between the + and the sensor output (terminal 4)

|      | Output current | Load impedance value    | Output voltage | Load impedance value |
|------|----------------|-------------------------|----------------|----------------------|
| 12 V | 0...10 mA      | $R \leq 630 \, \Omega$  | -              | -                    |
| 24 V | 0...10 mA      | $R \leq 1500 \, \Omega$ | 0...10 V       | $R = 1000 \, \Omega$ |

## Analogue Outputs



(Y) Output current (V)

(X) Sensing distance (mm)

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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