



### Main

|                                    |                              |
|------------------------------------|------------------------------|
| Range of product                   | OsiSense XS                  |
| Series name                        | Application                  |
| Sensor type                        | Inductive proximity sensor   |
| Device application                 | -                            |
| Sensor name                        | XS1                          |
| Sensor design                      | Cylindrical M30              |
| Size                               | 50 mm                        |
| Body type                          | Fixed                        |
| Detector flush mounting acceptance | Flush mountable              |
| Material                           | Metal                        |
| Type of output signal              | Analogue                     |
| Wiring technique                   | 2-wire                       |
| [Sn] nominal sensing distance      | 0.39 in (10 mm)              |
| Discrete output function           | 1 NC                         |
| Output circuit type                | DC                           |
| Analogue output range              | 4...20 mA                    |
| Electrical connection              | Cable                        |
| Cable length                       | 6.56 ft (2 m)                |
| [Us] rated supply voltage          | 12...24 V DC                 |
| IP degree of protection            | IP67 conforming to IEC 60529 |

### Complementary

|                          |                            |
|--------------------------|----------------------------|
| Thread type              | M30 x 1.5                  |
| Detection face           | Frontal                    |
| Front material           | PPS                        |
| Enclosure material       | Nickel plated brass        |
| Operating zone           | 0.04...0.39 in (1...10 mm) |
| Repeat accuracy          | <= 3% of Sr                |
| Linearity error          | +/- 2 mA                   |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>   |
| Wire insulation material | PvR                        |
| Supply voltage limits    | 10...36 V DC               |
| Switching frequency      | <= 300 Hz                  |
| Current consumption      | 4 mAat no-load             |
| Output current drift     | <= 10 %                    |
| Marking                  | CE                         |
| Threaded length          | 1.65 in (42 mm)            |
| Height                   | 1.18 in (30 mm)            |
| Length                   | 1.97 in (50 mm)            |
| Product weight           | 0.44 lb(US) (0.2 kg)       |

### Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| product certifications                | CSA<br>UL                  |
| ambient air temperature for operation | -13...158 °F (-25...70 °C) |

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.

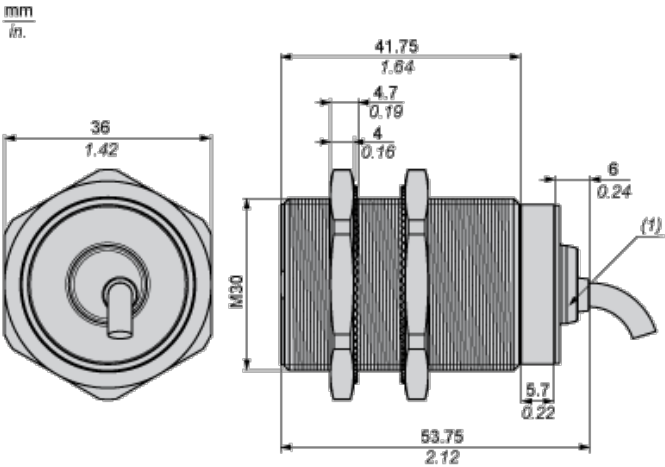
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 0812 - Schneider Electric declaration of conformity                                                      | Compliant - since 0812 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| 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                                | 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 |
|-----------------|-----------|

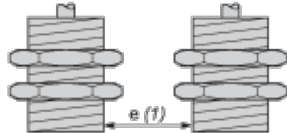
Dimensions



(1) LED

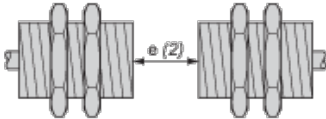
Minimum Mounting Distances

Side by side



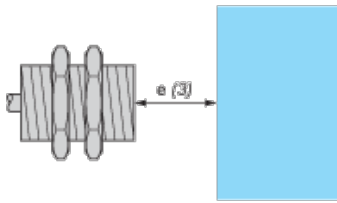
e (1) 20 mm/0.79 in  
≥

Face to face



e (2) 120 mm/4.72 in  
≥

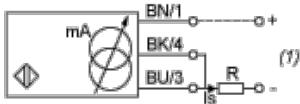
Facing a metal object



e (3) 30 mm/1.18 in.  
 $\geq$

### Wiring Schemes

2-Wire connection



(1) Output current

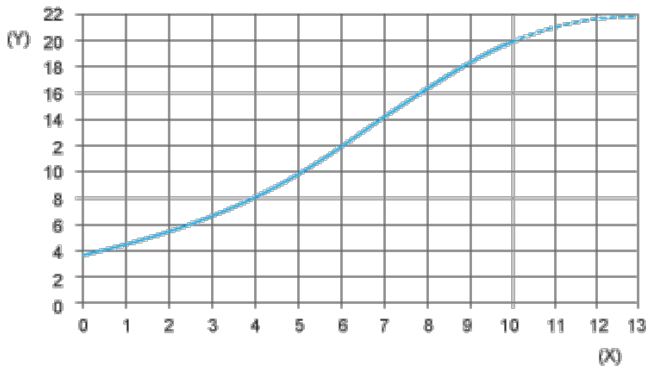
BN : Brown

BK : Black

BU : Blue

|      | Output current | Load impedance value   |
|------|----------------|------------------------|
| 12 V | 4...20 mA      | $R \leq 8.2 \, \Omega$ |
| 24 V | 4...20 mA      | $R \leq 470 \, \Omega$ |

### Output Curves



(Y) Is (mA)

(X) Sensors - object distance (mm)

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

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
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- Входной контроль качества.
- Наличие сертификата ISO.

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
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