



## Main

|                                    |                                                      |
|------------------------------------|------------------------------------------------------|
| Range of product                   | OsiSense XS                                          |
| Series name                        | Application                                          |
| Sensor type                        | Inductive proximity sensor                           |
| Device application                 | Factor 1 (Fe/Nfe)                                    |
| Sensor name                        | XS1                                                  |
| Sensor design                      | Cylindrical M30                                      |
| Size                               | 60 mm                                                |
| Body type                          | Fixed                                                |
| Detector flush mounting acceptance | Flush mountable                                      |
| Material                           | Stainless steel                                      |
| Enclosure material                 | Stainless steel : 304 CU                             |
| Type of output signal              | Discrete                                             |
| Wiring technique                   | 4-wire                                               |
| [Sn] nominal sensing distance      | 0.39 in (10 mm)                                      |
| Discrete output function           | 1 NO or 1 NC programmable                            |
| Output circuit type                | DC                                                   |
| Discrete output type               | PNP and NPN                                          |
| Electrical connection              | Cable                                                |
| Cable length                       | 6.56 ft (2 m)                                        |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection        |
| Switching capacity in mA           | <= 200 mA with overload and short-circuit protection |
| IP degree of protection            | IP68 conforming to IEC 60529                         |

## Complementary

|                          |                           |
|--------------------------|---------------------------|
| Thread type              | M30 x 1.5                 |
| Detection face           | Frontal                   |
| Front material           | PPS                       |
| Operating zone           | 0...0.31 in (0...8 mm)    |
| Differential travel      | 1...15% of Sr             |
| Repeat accuracy          | 3% of Sr                  |
| Cable composition        | 4 x 0.34 mm <sup>2</sup>  |
| Wire insulation material | PvR                       |
| Status LED               | 1 LED yellow output state |
| Supply voltage limits    | 10...38 V DC              |
| Switching frequency      | <= 1000 Hz                |
| Voltage drop             | <= 2.6 V at closed state  |
| Current consumption      | 0...15 mA at no-load      |
| Delay first up           | <= 5 ms                   |
| Delay response           | <= 0.3 ms                 |
| Delay recovery           | <= 0.7 ms                 |
| Marking                  | CE                        |
| Threaded length          | 2.05 in (52 mm)           |
| Height                   | 1.18 in (30 mm)           |
| Length                   | 2.36 in (60 mm)           |
| Product weight           | 0.45 lb(US) (0.205 kg)    |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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 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

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

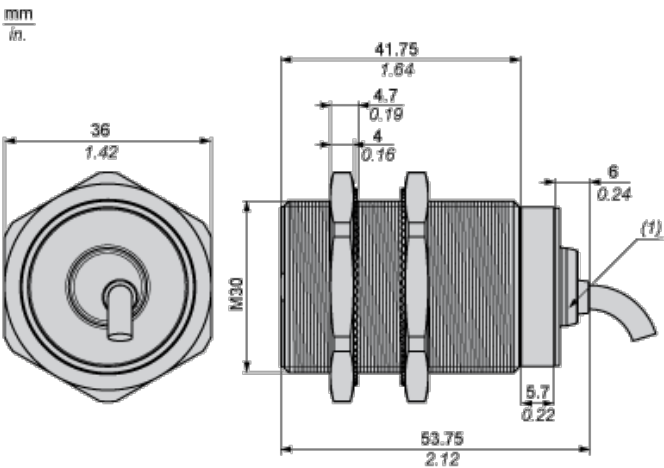
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 1104 - Schneider Electric declaration of conformity                                                      | Compliant - since 1104 - 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                                | 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 |
|-----------------|-----------|

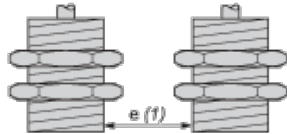
Dimensions



(1) LED

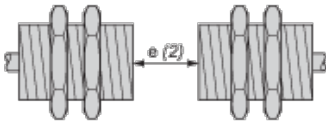
Minimum Mounting Distances

Side by side



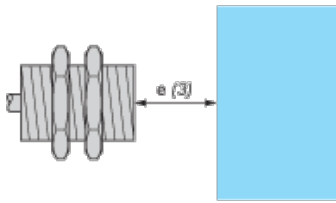
e (1) 20 mm/0.79 in  
≥

Face to face



e (2) 120 mm/4.72 in  
≥

Facing a metal object

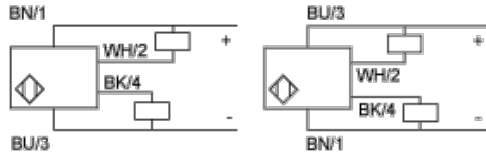


e (3) 30 mm/1.18 in.

≥

## Wiring Schemes

4-Wire DC, PNP/NPN, NO or NC Output



BU : Blue

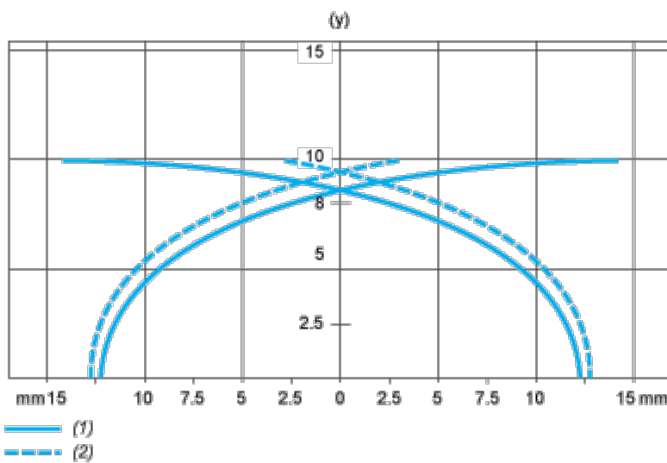
BN : Brown

BK : Black

WH : White

## Performance Curves

Standard Steel Target : 30x30x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in 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

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- 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.

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- 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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