



## Main

|                                    |                                                            |
|------------------------------------|------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                |
| Series name                        | General purpose                                            |
| Sensor type                        | Inductive proximity sensor                                 |
| Device application                 | -                                                          |
| Sensor name                        | XS5                                                        |
| Sensor design                      | Cylindrical M8                                             |
| Size                               | 51 mm                                                      |
| Body type                          | Fixed                                                      |
| Detector flush mounting acceptance | Flush mountable                                            |
| Material                           | Stainless steel                                            |
| Type of output signal              | Discrete                                                   |
| Wiring technique                   | 2-wire                                                     |
| [Sn] nominal sensing distance      | 0.06 in (1.5 mm)                                           |
| Discrete output function           | 1 NO                                                       |
| Output circuit type                | DC                                                         |
| Electrical connection              | Remote male connector M12 4 pins, pin assignment : 1-4     |
| Cable length                       | 2.62 ft (0.8 m)                                            |
| [Us] rated supply voltage          | 12...48 V DC                                               |
| Switching capacity in mA           | 1.5...100 mA DC with overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                               |

## Complementary

|                          |                             |
|--------------------------|-----------------------------|
| Thread type              | M8 x 1                      |
| Detection face           | Frontal                     |
| Front material           | PPS                         |
| Enclosure material       | Stainless steel 303         |
| Operating zone           | 0...0.05 in (0...1.2 mm)    |
| Differential travel      | 1...15% of Sr               |
| Cable composition        | 2 x 0.11 mm <sup>2</sup>    |
| Wire insulation material | PvR                         |
| Status LED               | 1 LED (yellow) output state |
| Supply voltage limits    | 10...58 V DC                |
| Residual current         | <= 0.5 mA, open state       |
| Switching frequency      | <= 4000 Hz                  |
| Voltage drop             | <= 4 V, closed state        |
| Delay first up           | <= 10 ms                    |
| Delay response           | <= 0.2 ms                   |
| Delay recovery           | <= 0.2 ms                   |
| Marking                  | CE                          |
| Threaded length          | 1.65 in (42 mm)             |
| Height                   | 0.31 in (8 mm)              |
| Length                   | 2.01 in (51 mm)             |
| Product weight           | 0.11 lb(US) (0.05 kg)       |

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Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| product certifications                | CCC<br>CSA<br>UL                                                        |
| 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 (duration = 11 ms) conforming to IEC 60068-2-27                   |

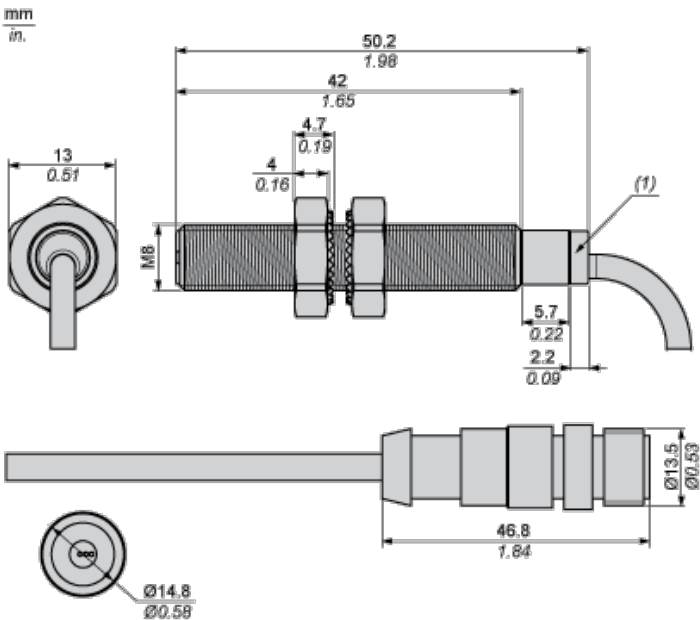
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1010 - Schneider Electric declaration of conformity                                                      | Compliant - since 1010 - 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

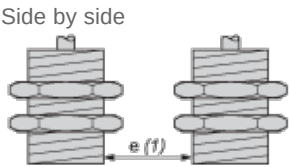
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions



(1) LED

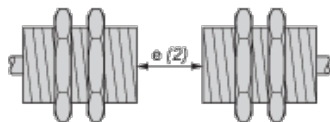
Minimum Mounting Distances



e (1) 3 mm/0.12 in.

≥

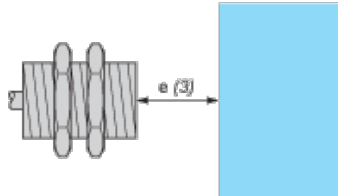
Face to face



e (2) 18 mm/0.71 in.

≥

Facing a metal object



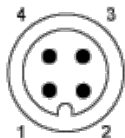
e (3) 4.5 mm/0.18 in.

≥

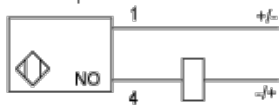
## Wiring Schemes

### 2-Wire Non-polarised

M12 connector

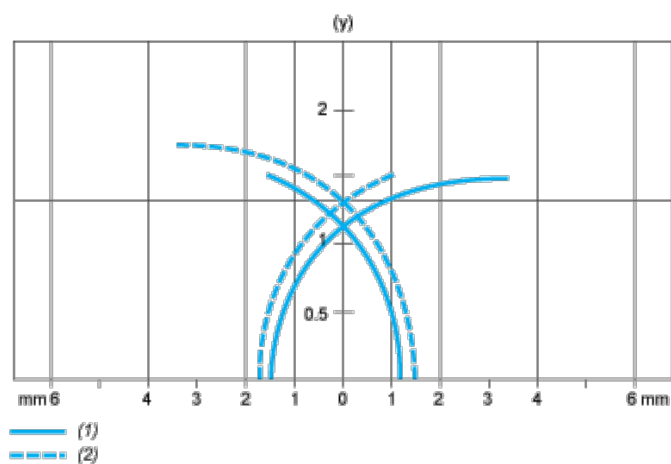


NO output



## Performance Curves

Standard Steel Target : 8x8x1 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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- 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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