



## Main

|                                    |                                                              |
|------------------------------------|--------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                  |
| Series name                        | General purpose                                              |
| Sensor type                        | Inductive proximity sensor                                   |
| Device application                 | -                                                            |
| Sensor name                        | XS1                                                          |
| Sensor design                      | Cylindrical Ø 6.5 mm plain                                   |
| Size                               | 33 mm                                                        |
| Body type                          | Fixed                                                        |
| Detector flush mounting acceptance | Flush mountable                                              |
| Material                           | Metal                                                        |
| Type of output signal              | Discrete                                                     |
| Wiring technique                   | 3-wire                                                       |
| [Sn] nominal sensing distance      | 0.1 in (2.5 mm)                                              |
| Discrete output function           | 1 NO                                                         |
| Output circuit type                | DC                                                           |
| Discrete output type               | PNP                                                          |
| 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            | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529 |
| Sale per indivisible quantity      | 1                                                            |

## Complementary

|                          |                             |
|--------------------------|-----------------------------|
| Detection face           | Frontal                     |
| Front material           | PPS                         |
| Enclosure material       | Nickel plated brass         |
| Operating zone           | 0...0.08 in (0...2 mm)      |
| Differential travel      | 1...15% of Sr               |
| Cable composition        | 3 x 0.11 mm <sup>2</sup>    |
| Wire insulation material | PvR                         |
| Status LED               | 1 LED (yellow) output state |
| Supply voltage limits    | 10...36 V DC                |
| Switching frequency      | <= 2500 Hz                  |
| Voltage drop             | <= 2 V (closed state)       |
| Current consumption      | <= 10 mA (no-load)          |
| Delay first up           | <= 10 ms                    |
| Delay response           | <= 0.2 ms                   |
| Delay recovery           | <= 0.2 ms                   |
| Marking                  | CE                          |
| Length                   | 1.3 in (33 mm)              |
| Product weight           | 0.13 lb(US) (0.06 kg)       |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| product certifications                | 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                   |

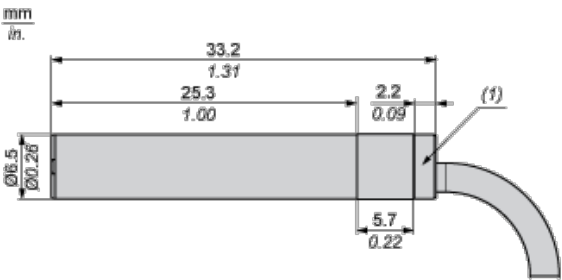
### Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1104 - Schneider Electric declaration of conformity                                                      | Compliant - since 1104 - 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 |
|-----------------|-----------|

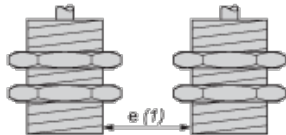
### Dimensions



(1) LED

### Minimum Mounting Distances in mm

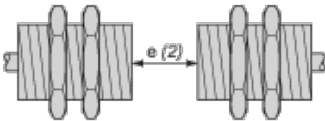
Side by side



e (1) 5 mm/0.20 in.

≥

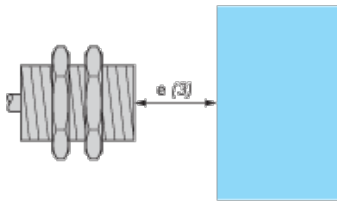
Face to face



e (2) 30 mm/1.18 in.

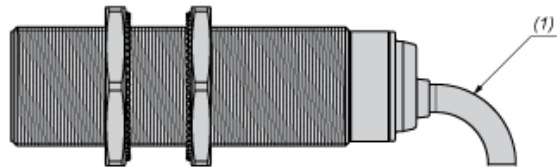
≥

Facing a metal object



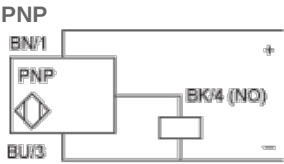
e (3) 8 mm/0.31 in.  
 $\geq$

### Mounting



(1) Bending cable: 4 x external cable diameter

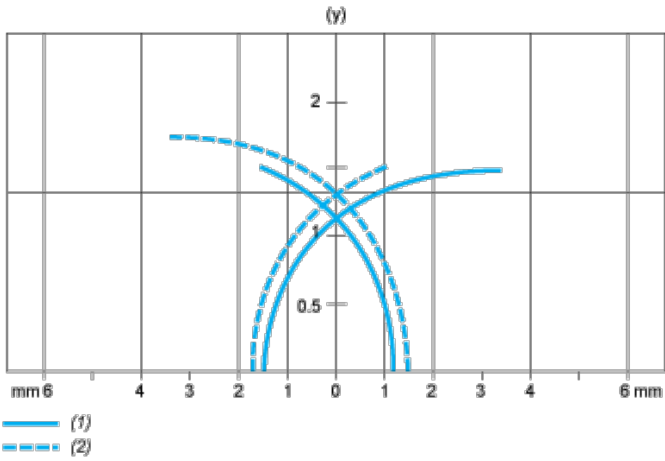
### Wiring Schemes



BU : Blue  
 BN : Brown  
 BK : Black

### 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

## Данный компонент на территории Российской Федерации

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Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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