



## Main

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Range of product                   | OsiSense XS                                             |
| Series name                        | General purpose                                         |
| Sensor type                        | Inductive proximity sensor                              |
| Device application                 | -                                                       |
| Sensor name                        | XS6                                                     |
| 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                   | 3-wire                                                  |
| [Sn] nominal sensing distance      | 0.1 in (2.5 mm)                                         |
| Discrete output function           | 1 NC                                                    |
| Output circuit type                | DC                                                      |
| Discrete output type               | NPN                                                     |
| Electrical connection              | Cable                                                   |
| Cable length                       | 16.4 ft (5 m)                                           |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection           |
| Switching capacity in mA           | <= 200 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...0.08 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...58 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                          |
| Threaded length          | 1.65 in (42 mm)             |
| Length                   | 2.01 in (51 mm)             |
| Product weight           | 0.34 lb(US) (0.155 kg)      |

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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                   |

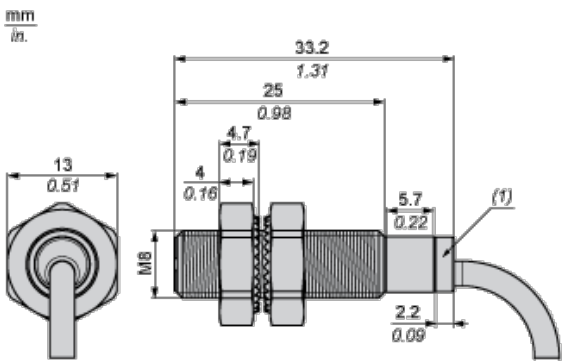
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 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 |
|-----------------|-----------|

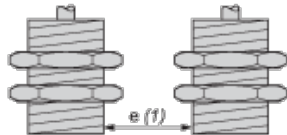
Dimensions



(1) LED

Minimum Mounting Distances in mm

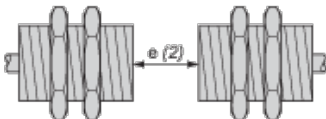
Side by side



e (1) 5 mm/0.20 in.

≥

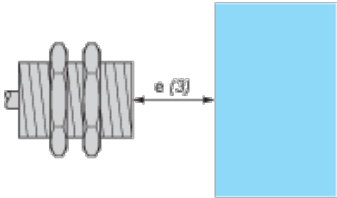
Face to face



e (2) 30 mm/1.18 in.

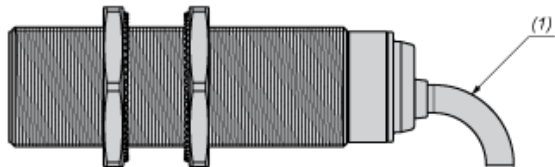
≥

Facing a metal object



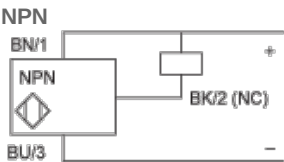
e (3) 8 mm/0.31 in.

Mounting



(1) Bending cable: 4 x external cable diameter

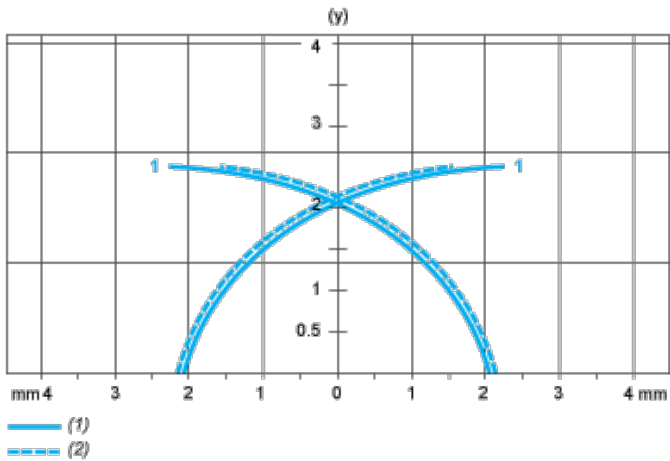
Wiring Schemes



BU : Blue  
BN : Brown  
BK : Black

Performance Curves

Standard Steel Target (mm) : 8x8x1



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- 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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- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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