



## Main

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                   |
| Series name                        | General purpose                                               |
| Sensor type                        | Inductive proximity sensor                                    |
| Device application                 | Mobile equipment                                              |
| Sensor name                        | XS6                                                           |
| Sensor design                      | Cylindrical M12                                               |
| Size                               | 66 mm                                                         |
| Body type                          | Fixed                                                         |
| Detector flush mounting acceptance | Non flush mountable                                           |
| Material                           | Metal                                                         |
| Type of output signal              | Discrete                                                      |
| Wiring technique                   | 3-wire                                                        |
| [Sn] nominal sensing distance      | 0.28 in (7 mm)                                                |
| Discrete output function           | 1 NO                                                          |
| Output circuit type                | DC                                                            |
| Discrete output type               | NPN                                                           |
| Electrical connection              | Male connector M12 4 pins                                     |
| [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<br>IP69K conforming to DIN 40050 |

## Complementary

|                       |                             |
|-----------------------|-----------------------------|
| Thread type           | M12 x 1                     |
| Detection face        | Frontal                     |
| Front material        | PPS                         |
| Enclosure material    | Nickel plated brass         |
| Operating zone        | 0...0.22 in (0...5.6 mm)    |
| Differential travel   | 1...15% of Sr               |
| Status LED            | 1 LED (yellow) output state |
| Supply voltage limits | 10...58 V DC                |
| Switching frequency   | <= 2500 Hz DC               |
| 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                | 2.6 in (66 mm)              |
| Product weight        | 0.04 lb(US) (0.02 kg)       |

## Environment

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

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|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
|                                       | E2                                                                      |
| 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                   |

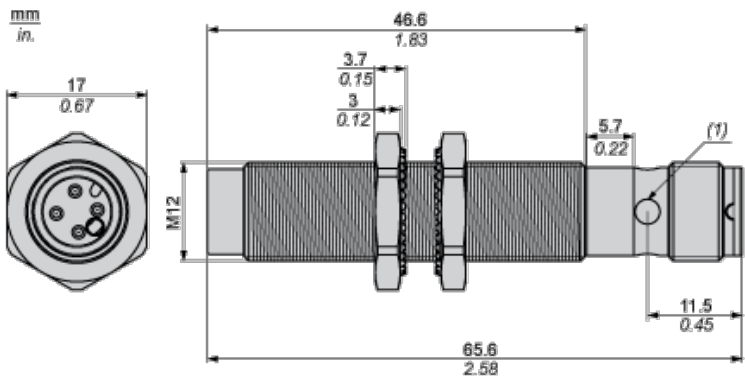
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 0821 - Schneider Electric declaration of conformity                                                      | Compliant - since 0821 - 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 |
|-----------------|-----------|

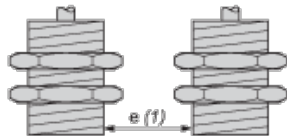
Dimensions



(1) LED

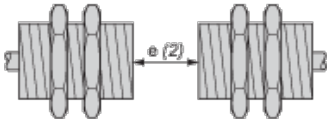
Minimum Mounting Distances in mm

Side by side



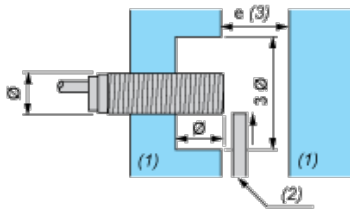
e (1) 48 mm/1.89 in.  
≥

Face to face



e (2) 84 mm/3.31 in  
≥

Facing a metal object



e (3) 21 mm/0.83 in.

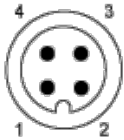
≥

(1) Metal

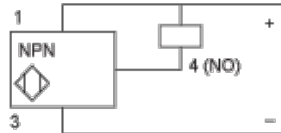
(2) Object to be detected

## Wiring Schemes

M12 connector



NPN



1 : (+)

2 : Not connected

3 : (-)

4 : NO Output

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

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

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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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