



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | General purpose                                                                 |
| Sensor type                        | Inductive proximity sensor                                                      |
| Device application                 | -                                                                               |
| Sensor name                        | XS6                                                                             |
| Sensor design                      | Cylindrical M30                                                                 |
| Size                               | 62 mm                                                                           |
| Body type                          | Fixed                                                                           |
| Detector flush mounting acceptance | Flush mountable                                                                 |
| Material                           | Metal                                                                           |
| Type of output signal              | Discrete                                                                        |
| Wiring technique                   | 2-wire                                                                          |
| [Sn] nominal sensing distance      | 0.59 in (15 mm)                                                                 |
| Discrete output function           | 1 NC                                                                            |
| Output circuit type                | AC/DC                                                                           |
| Electrical connection              | Remote male connector screw-clamp terminals                                     |
| Cable length                       | 0.49 ft (0.15 m)                                                                |
| [Us] rated supply voltage          | 24...240 V AC/DC (50/60 Hz)                                                     |
| Switching capacity in mA           | 5...200 mA DC<br>5...300 mA AC                                                  |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                          |                              |
|--------------------------|------------------------------|
| Thread type              | M30 x 1.5                    |
| Detection face           | Frontal                      |
| Front material           | PPS                          |
| Enclosure material       | Nickel plated brass          |
| Operating zone           | 0...0.47 in (0...12 mm)      |
| Differential travel      | 1...15% of Sr                |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PvR                          |
| Status LED               | 1 LED (yellow) output state  |
| Supply voltage limits    | 20...264 V AC/DC             |
| Residual current         | <= 0.8 mA, open state        |
| Switching frequency      | <= 1000 Hz DC<br><= 25 Hz AC |
| Voltage drop             | <= 5.5 V                     |
| Delay first up           | <= 25 ms                     |
| Delay response           | <= 0.5 ms                    |
| Delay recovery           | <= 2 ms                      |
| Marking                  | CE                           |
| Threaded length          | 2.05 in (52 mm)              |
| Length                   | 2.44 in (62 mm)              |
| Product weight           | 0.45 lb(US) (0.205 kg)       |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| ambient air temperature for operation | -13...158 °F (-25...70 °C) |
|---------------------------------------|----------------------------|

The information provided in this documentation contains general descriptions and/or technical characteristics 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 such 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.

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| 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

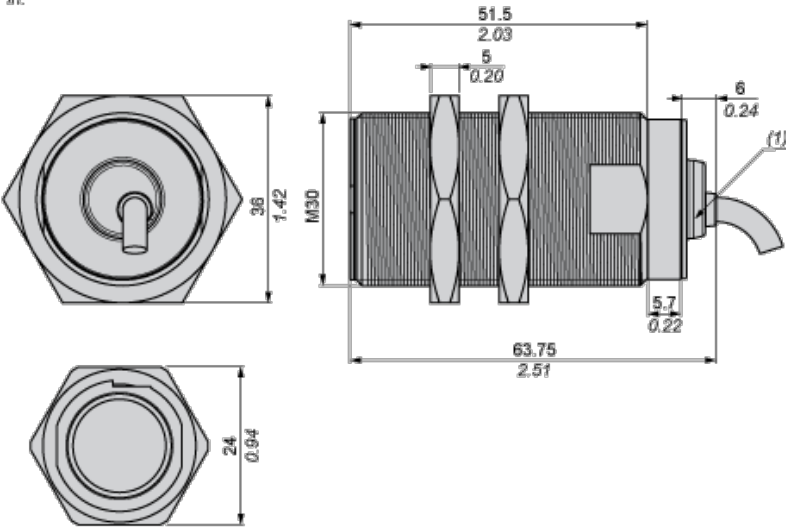
|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 1136 - Schneider Electric declaration of conformity                                                      | Compliant - since 1136 - 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

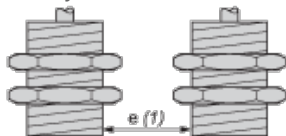
mm  
in.



(1) LED

### Minimum Mounting Distances

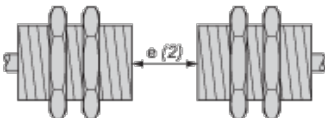
Side by side



e (1) 30 mm/1.18 in.

≥

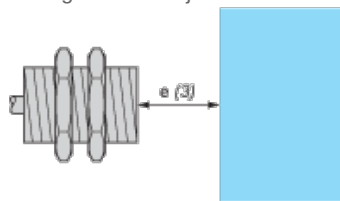
Face to face



e (2) 180 mm/7.09 in.

IV

Facing a metal object



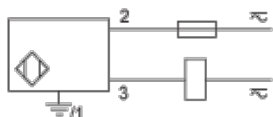
e (3) 45 mm/1.77 in.

IV

## Wiring Schemes

The terminal numbering differs according to the version (2-wire DC, 3-wire DC, 2-wire AC).

NC output





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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