



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | General purpose                                                                 |
| Sensor type                        | Inductive proximity sensor                                                      |
| Device application                 | -                                                                               |
| Sensor name                        | XS5                                                                             |
| 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      | 0.39 in (10 mm)                                                                 |
| Discrete output function           | 1 NC                                                                            |
| Output circuit type                | AC/DC                                                                           |
| Electrical connection              | Cable                                                                           |
| Cable length                       | 16.4 ft (5 m)                                                                   |
| [Us] rated supply voltage          | 24...240 V AC/DC with reverse polarity protection                               |
| 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...0.31 in (0...8 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      | <= 25 Hz AC<br><= 500 Hz DC |
| Voltage drop             | <= 5.5 V, closed state      |
| Delay first up           | <= 25 ms                    |
| Delay response           | <= 0.5 ms                   |
| Delay recovery           | <= 2 ms                     |
| Marking                  | CE                          |
| Threaded length          | 2.05 in (52 mm)             |
| Height                   | 1.18 in (30 mm)             |
| Length                   | 2.44 in (62 mm)             |
| Product weight           | 0.72 lb(US) (0.325 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                   |

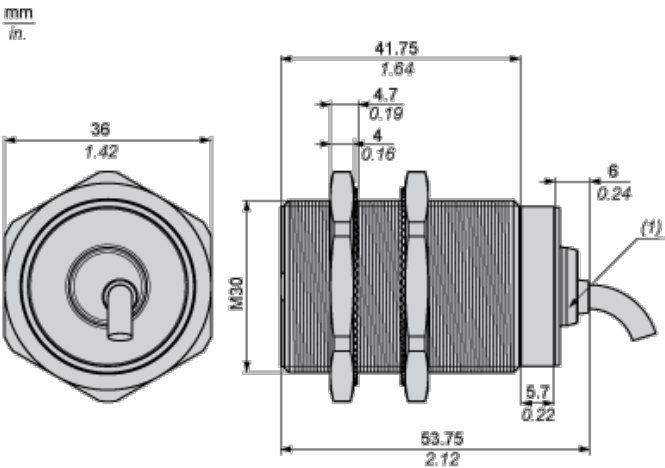
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 0936 - Schneider Electric declaration of conformity                                                      | Compliant - since 0936 - 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 |
|-----------------|-----------|

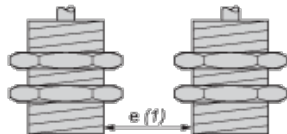
Dimensions



(1) LED

Minimum Mounting Distances

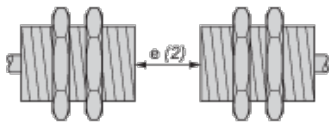
Side by side



e (1) 30 mm/1.18 in.

≥

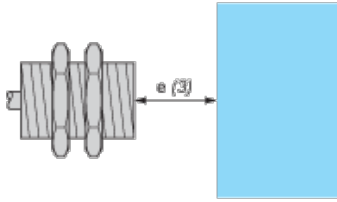
Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object



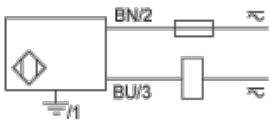
e (3) 45 mm/1.77 in.

≥

## Wiring Schemes

### 2-Wire AC or DC

NC output

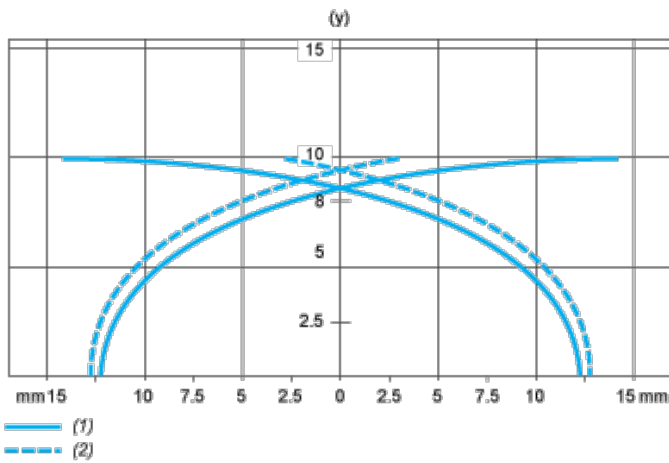


BU : Blue

BN : Brown

## Performance Curves

Standard Steel Target : 30x30x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm