



## Main

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Range of product                   | OsiSense XS                                             |
| Series name                        | General purpose                                         |
| Sensor type                        | Inductive proximity sensor                              |
| Device application                 | -                                                       |
| Sensor name                        | XS7                                                     |
| Sensor design                      | Flat form 40 x 40 x 15                                  |
| Size                               | 15 mm                                                   |
| Body type                          | Fixed                                                   |
| Detector flush mounting acceptance | Flush mountable                                         |
| Material                           | Plastic                                                 |
| Enclosure material                 | PBT                                                     |
| Type of output signal              | Discrete                                                |
| Wiring technique                   | 3-wire                                                  |
| 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           | <= 100 mA DC with overload and short-circuit protection |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529          |

## Complementary

|                          |                           |
|--------------------------|---------------------------|
| Detection face           | Frontal                   |
| Front material           | PBT                       |
| Operating zone           | 0...0.47 in (0...12 mm)   |
| Differential travel      | 1...15% of Sr             |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>  |
| Wire insulation material | PvR                       |
| Status LED               | 1 LED yellow output state |
| Supply voltage limits    | 10...36 V DC              |
| Switching frequency      | <= 1000 Hz                |
| Voltage drop             | <= 2 V at closed state    |
| Current consumption      | <= 10 mA at no-load       |
| Delay first up           | 10 ms                     |
| Delay response           | 2 ms                      |
| Delay recovery           | 5 ms                      |
| Marking                  | CE                        |
| Depth                    | 0.59 in (15 mm)           |
| Height                   | 1.57 in (40 mm)           |
| Width                    | 1.57 in (40 mm)           |
| Product weight           | 0.21 lb(US) (0.095 kg)    |

## Environment

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.

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| product certifications                | CSA<br>C-Tick<br>UL<br>Ecolab                                           |
| 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 11 ms conforming to IEC 60068-2-27                                |

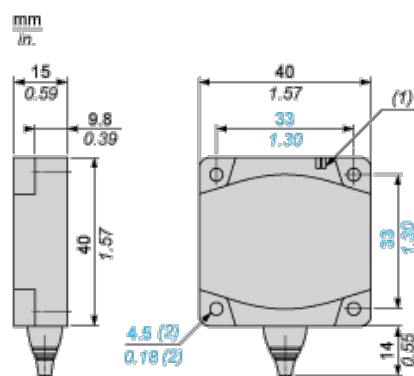
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 0903 - Schneider Electric declaration of conformity                                                      | Compliant - since 0903 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Available                                                                                                                  | Available                                                                                                                  |
| Need no specific recycling operations                                                                                      | Need no specific recycling operations                                                                                      |
| 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

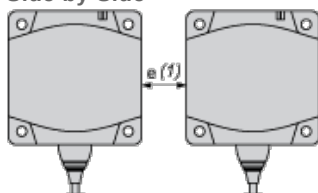


- (1) LED  
(2) For CHC type screws

## Setting-up

### Minimum Mounting Distances (mm)

#### Side by Side



e (1) 45  
≥

#### Face to Face



e (2) 110

≥

Facing a Metal Object

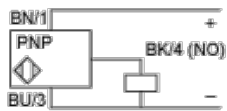


e (3) 45

≥

## Wiring Schemes

### PNP



BU : Blue

BN : Brown

BK : Black