

# XS7D1A1NBL2

inductive sensor XS7 80x80x26 - PBT -  
Sn40mm - 12..24VDC - cable 2m



## Main

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Range of product                   | OsiSense XS                                             |
| Series name                        | General purpose                                         |
| Sensor type                        | Inductive proximity sensor                              |
| Device application                 | -                                                       |
| Sensor name                        | XS7                                                     |
| Sensor design                      | Flat form 80 x 80 x 26                                  |
| Size                               | 26 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 NC                                                    |
| Output circuit type                | DC                                                      |
| Discrete output type               | NPN                                                     |
| Electrical connection              | Cable                                                   |
| Cable length                       | 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          |

## Buy online

## Complementary

|                          |                               |
|--------------------------|-------------------------------|
| Detection face           | Frontal                       |
| Front material           | PBT                           |
| Operating zone           | 0...32 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 for output state |
| Supply voltage limits    | 10...36 V DC                  |
| Switching frequency      | <= 100 Hz                     |
| Voltage drop             | <= 2 V at closed state        |
| Current consumption      | <= 10 mA at no-load           |
| Delay first up           | 30 ms                         |
| Delay response           | 5 ms                          |
| Delay recovery           | 35 ms                         |
| Marking                  | CE                            |
| Depth                    | 26 mm                         |
| Height                   | 80 mm                         |
| Width                    | 80 mm                         |
| Product weight           | 0.34 kg                       |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA<br>C-Tick<br>UL<br>Ecolab                                           |
| Ambient air temperature for operation | -25...70 °C                                                             |
| Ambient air temperature for storage   | -40...85 °C                                                             |
| Vibration resistance                  | 25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 50 gn for 11 ms conforming to IEC 60068-2-27                            |

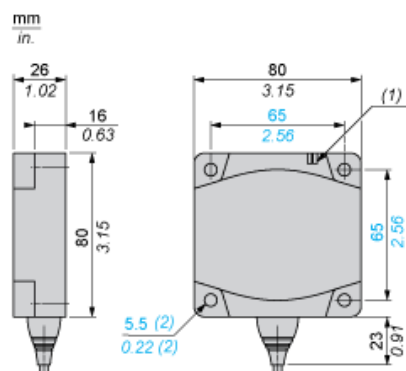
## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                              |
| RoHS (date code: YYWW)           | Compliant - since 0903 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                                                                  |
| Product environmental profile    | Available <a href="#">End Of Life Manual</a>                                                                                       |
| Product end of life instructions | Need no specific recycling operations                                                                                              |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions



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

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## Setting-up

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### Minimum Mounting Distances (mm)

Side by Side



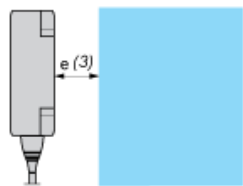
$e (1) \geq 120$

Face to Face



$e (2) \geq 300$

Facing a Metal Object



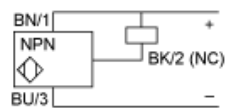
$e (3) \geq 120$

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## Wiring Schemes

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### NPN



BU : Blue  
BN : Brown  
BK : Black