

# XS7C1A1DBL10

inductive sensor XS7 40x40x15 - PBT -  
Sn15mm - 12..24VDC - cable 10m



## 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                   | 2-wire                                                     |
| Discrete output function           | 1 NC                                                       |
| Output circuit type                | DC                                                         |
| Electrical connection              | cable                                                      |
| Cable length                       | 10 m                                                       |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection              |
| Switching capacity in mA           | 1.5...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...12 mm                    |
| Differential travel      | 1...15% of Sr                |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PvR                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 10...36 V DC                 |
| Maximum residual current | 0.5 mA open state            |
| Switching frequency      | <= 1000 Hz                   |
| Maximum voltage drop     | <4 V (closed)                |
| Maximum delay first up   | 5 ms                         |
| Maximum delay response   | 0.3 ms                       |
| Maximum delay recovery   | 0.7 ms                       |
| Marking                  | CE                           |
| Depth                    | 15 mm                        |
| Height                   | 40 mm                        |
| Width                    | 40 mm                        |
| Net weight               | 0.41 kg                      |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | UL<br>CSA<br>C-Tick                                                     |
| 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                            |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.195 kg |
| Package 1 Height | 0.650 dm |
| Package 1 width  | 0.950 dm |
| Package 1 Length | 1.300 dm |

## Contractual warranty

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

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

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## Setting-up

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### Minimum Mounting Distances (mm)

Side by Side



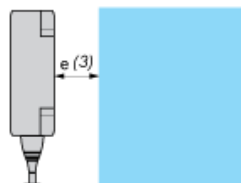
$e (1) \geq 45$

Face to Face



$e (2) \geq 110$

Facing a Metal Object



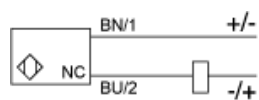
$e (3) \geq 45$

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## Wiring Schemes

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### 2-Wire NC



BU : Blue  
BN : Brown