

# XS7J1A1DAL2

inductive sensor XS7 8x22x8 - PBT - Sn2.5mm -  
12..24VDC - cable 2m



Price\* : 30.71 GBP



## Main

|                                    |  |
|------------------------------------|--|
| Range of product                   | OsiSense XS  |
| Series name                        | General purpose  |
| Sensor type                        | Inductive proximity sensor                                 |
| Device application                 | -  |
| Sensor name                        | XS7  |
| Sensor design                      | Flat form 8 x 22 x 8                                       |
| Size                               | 8 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 NO   |
| Output circuit type                | DC   |
| Electrical connection              | cable  |
| Cable length                       | 2 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            | IP67 conforming to IEC 60529                               |

## Complementary

|                     |               |
|---------------------|---------------|
| Detection face      | Frontal       |
| Front material      | PBT           |
| Operating zone      | 0...2 mm      |
| Differential travel | 1...15% of Sr |

|                          |                              |
|--------------------------|------------------------------|
| Cable composition        | 2 x 0.11 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      | <= 4000 Hz                   |
| Maximum voltage drop     | <4 V (closed)                |
| Maximum delay first up   | 10 ms                        |
| Maximum delay response   | 0.5 ms                       |
| Maximum delay recovery   | 1 ms                         |
| Marking                  | CE                           |
| Depth                    | 8 mm                         |
| Height                   | 22 mm                        |
| Width                    | 8 mm                         |
| Product weight           | 0.05 kg                      |

## Environment

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

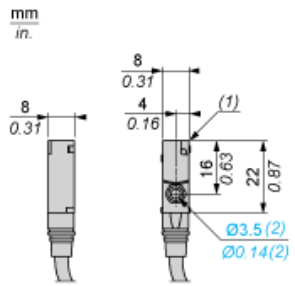
## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | No need of specific recycling operations<br><a href="#">End of Life Information</a>               |

## Contractual warranty

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

Dimensions



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

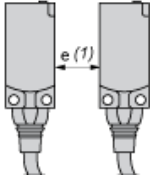
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Setting-up

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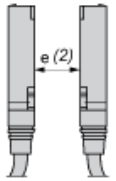
Minimum Mounting Distances (mm)

Side by Side



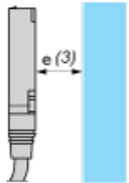
$$e (1) \geq 7.5$$

Face to Face



$$e (2) \geq 20$$

Facing a Metal Object



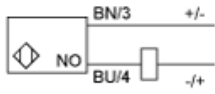
$$e (3) \geq 7.5$$

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## Wiring Schemes

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### 2-Wire NO



BU : Blue  
BN : Brown