

# XS8D1A1MBL5

inductive sensor XS8 80x80x26 - PBT -  
Sn60mm - 24..240VAC/DC - cable 5m



## Main

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Range of product                   | OsiSense XS                                        |
| Series name                        | General purpose                                    |
| Sensor type                        | Inductive proximity sensor                         |
| Device application                 | -                                                  |
| Sensor name                        | XS8                                                |
| Sensor design                      | Flat form 80 x 80 x 26                             |
| Size                               | 26 mm                                              |
| Body type                          | Fixed                                              |
| Detector flush mounting acceptance | Non flush mountable                                |
| Material                           | Plastic                                            |
| Enclosure material                 | PBT                                                |
| Type of output signal              | Discrete                                           |
| Wiring technique                   | 2-wire                                             |
| [Sn] nominal sensing distance      | 40 Mm flush mountable<br>60 mm non flush mountable |
| Discrete output function           | 1 NC                                               |
| Output circuit type                | AC/DC                                              |
| Electrical connection              | Cable                                              |
| Cable length                       | 5 m                                                |
| [Us] rated supply voltage          | 24...240 V AC/DC 50/60 Hz                          |
| Switching capacity in mA           | 5...200 mA DC<br>5...300 mA AC                     |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529     |

## Complementary

|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| Detection face           | Frontal                                                      |
| Front material           | PBT                                                          |
| Fine adjustment zone     | 20...40 Mm flush mountable<br>20...60 mm non flush mountable |
| Differential travel      | 1...15% of Sr                                                |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>                                     |
| Wire insulation material | PvR                                                          |
| Supply voltage limits    | 20...264 V AC/DC                                             |
| Maximum residual current | 1.5 mA open state                                            |
| Switching frequency      | <= 150 Hz                                                    |
| Maximum voltage drop     | <5.5 V (closed)                                              |
| Current consumption      | <= 10 mA no-load                                             |
| Maximum delay first up   | 15 ms                                                        |
| Maximum delay response   | 0.3 ms                                                       |
| Maximum delay recovery   | 6 ms                                                         |
| Marking                  | CE                                                           |
| Depth                    | 26 mm                                                        |
| Height                   | 80 mm                                                        |
| Width                    | 80 mm                                                        |
| Net weight               | 0.51 kg                                                      |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | UL<br>CSA<br>CCC                                                        |
| 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

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 415 g    |
| Package 1 Height             | 8 cm     |
| Package 1 width              | 8 cm     |
| Package 1 Length             | 14.8 cm  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 14       |
| Package 2 Weight             | 6.265 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

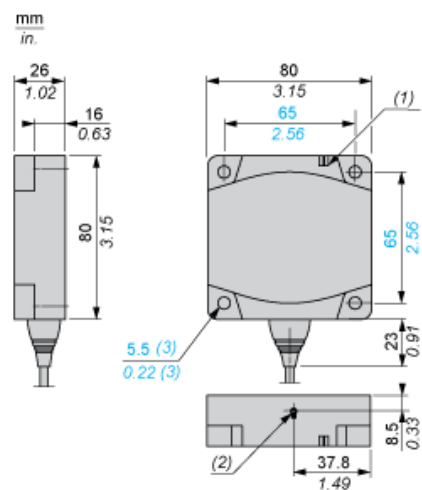
## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                    |

## Contractual warranty

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

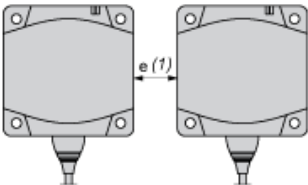
## Dimensions



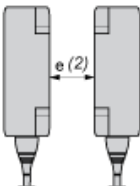
Setting-up

Minimum Mounting Distances (mm)

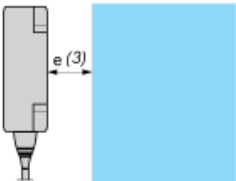
Side by Side



Face to Face



Facing a Metal Object



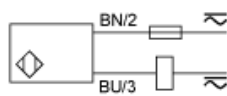
|                   | e (1) | e (2)           | e (3) |
|-------------------|-------|-----------------|-------|
| Flush mounted     | 200   | 400             | 40    |
| Not flush mounted | 600   | not recommended |       |

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## Wiring Schemes

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### 2-Wire NC Output



BU : Blue  
BN : Brown