# XS8D1A1NBM12

inductive sensor XS8 80x80x26 - PBT - Sn60mm - 12..24VDC - M12

Green Premium



## 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 | 3-wire |
| [Sn] nominal sensing distance | 40 mm flush mountable<br>60 mm non flush mountable |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | NPN |
| Electrical connection | 4 pins M12 male connector |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection | IP67 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 |

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| | |
|---|---|
| Differential travel | 1...15% of Sr |
| Supply voltage limits | 10...36 V DC |
| Residual current | <= 1.5 mA for open state |
| Switching frequency | <= 150 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | <= 10 mA at no-load |
| Delay first up | <= 10 ms |
| Delay response | <= 0.3 ms |
| Delay recovery | <= 6 ms |
| Marking | CE |
| Depth | 26 mm |
| Height | 80 mm |
| Width | 80 mm |
| Product weight | 0.34 kg |

### Environment

| | |
|---|---|
| Product certifications | CSA<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 0841 - Schneider Electric declaration of conformity<br>Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold |
| Product environmental profile | Available<br>Product Environmental Profile |
| Product end of life instructions | Need no specific recycling operations<br>End of Life Information |

### Contractual warranty

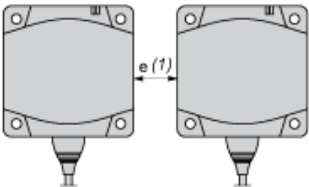| | |
|---|---|
| Warranty period | 18 months |

# XS8D1A1NBM12

## Dimensions

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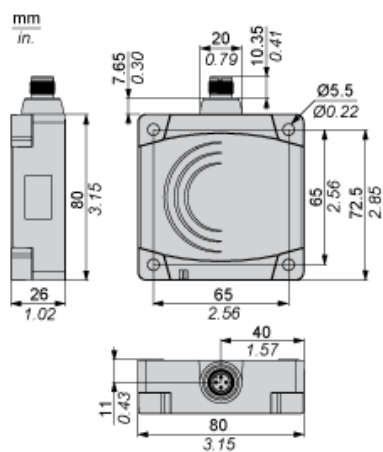
## Setting-up

### Minimum Mounting Distances (mm)

Side by Side

Face to Face
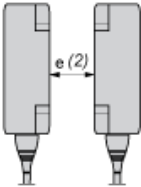
Facing a Metal Object
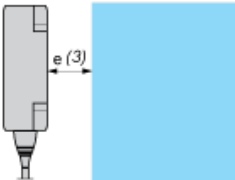
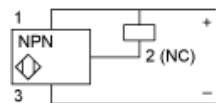| | e (1) | e (2) | e (3) |
|---|---|---|---|
| Flush mounted | 200 | 400 | 40 |
| Not flush mounted | 600 | not recommended | |

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## Wiring Schemes

### NPN



M12