

# XS8D1A1PBM12DIN

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



## 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                               | 40 mm   |
| Body type                          | Fixed clippable onto DIN rail                           |
| 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               | PNP   |
| Electrical connection              | Male connector M12, 4 pins                              |
| [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 |
| Differential travel      | 1...15% of Sr  |
| Supply voltage limits    | 10...36 V DC   |
| Maximum residual current | 1.5 mA open state  |
| Switching frequency      | <= 150 Hz  |
| Maximum voltage drop     | <2 V (closed)  |
| Current consumption      | <= 10 mA no-load   |
| Maximum delay first up   | 10 ms  |
| Maximum delay response   | 0.3 ms   |
| Maximum delay recovery   | 6 ms   |
| Marking                  | CE   |
| Depth                    | 40 mm  |
| Height                   | 80 mm  |
| Width                    | 80 mm  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | UL<br>CSA   |
| 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 | 0.431 kg |
| Package 1 Height | 0.420 dm |
| Package 1 width  | 0.950 dm |
| Package 1 Length | 1.300 dm |

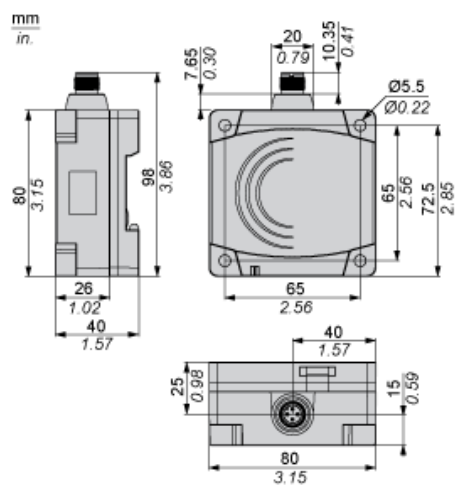
## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| 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



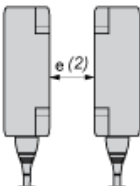
Setting-up

Minimum Mounting Distances (mm)

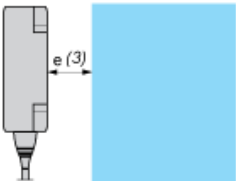
Side by Side



Face to Face



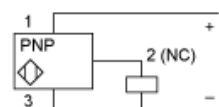
Facing a Metal Object



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

## Wiring Schemes

### PNP



### M12

