

# XS2M08NC410D

inductive sensor XS2 M8 - L61mm - stainless -  
Sn2.5mm - 12..24VDC - M12



## Main

|                                    |                                                      |
|------------------------------------|------------------------------------------------------|
| Range of product                   | OsiSense XS                                          |
| Series name                        | General purpose                                      |
| Sensor type                        | Inductive proximity sensor                           |
| Sensor name                        | XS2                                                  |
| Sensor design                      | Cylindrical M8                                       |
| Size                               | 61 mm                                                |
| Body type                          | Fixed                                                |
| Detector flush mounting acceptance | Non flush mountable                                  |
| Material                           | Stainless steel                                      |
| Type of output signal              | Discrete                                             |
| Wiring technique                   | 4-wire                                               |
| [Sn] nominal sensing distance      | 2.5 mm                                               |
| Discrete output function           | 1 NO + 1 NC                                          |
| Output circuit type                | DC                                                   |
| Discrete output type               | NPN                                                  |
| 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 with overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                         |

## Complementary

|                        |                              |
|------------------------|------------------------------|
| Thread type            | M8 x 1                       |
| Detection face         | Frontal                      |
| Front material         | PPS                          |
| Enclosure material     | Stainless steel 303          |
| Operating zone         | 0...2 mm                     |
| Differential travel    | 1...15% of Sr                |
| Status LED             | Output state: 1 LED (yellow) |
| Supply voltage limits  | 10...36 V DC                 |
| Switching frequency    | <= 5000 Hz                   |
| Maximum voltage drop   | <2 V (closed)                |
| Current consumption    | 0...10 mA no-load            |
| Maximum delay first up | 5 ms                         |
| Maximum delay response | 0.1 ms                       |
| Maximum delay recovery | 0.1 ms                       |
| Marking                | CE                           |
| Threaded length        | 36 mm                        |
| Length                 | 61 mm                        |
| Net weight             | 0.025 kg                     |

## 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 | 0.039 kg |
| Package 1 Height | 0.450 dm |
| Package 1 width  | 0.720 dm |
| Package 1 Length | 0.800 dm |

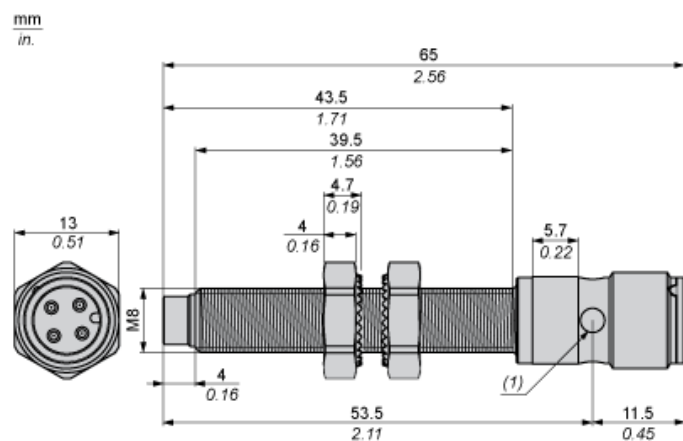
## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| 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>                                                  |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                        |

## Contractual warranty

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

## Dimensions



### Minimum Mounting Distances

Side by side



e (1) 10 mm/0.39 in.

≥

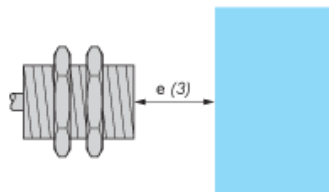
Face to face



e (2) 30 mm/1.18 in.

≥

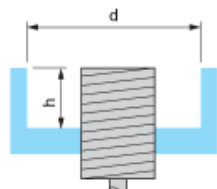
Facing a metal object



e (3) 7.5 mm/0.30 in.

≥

Mounted in a metal support

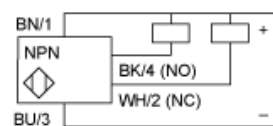


d ≥ 24 mm/0.94 in.

h ≥ 5 mm/0.20 in.

## Wiring Schemes

### NPN 4-wire



BU : Blue  
BN : Brown  
BK : Black  
WH : White