

# XS112BLNAL2

inductive sensor XS1 M12 - L44mm - brass -  
Sn2mm - 12..24VDC - cable 2m



## Main

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Range of product              | OsiSense XS                                          |
| Series name                   | General purpose                                      |
| Sensor type                   | Inductive proximity sensor                           |
| Sensor name                   | XS1                                                  |
| Sensor design                 | Cylindrical M12                                      |
| Size                          | 44 mm                                                |
| Body type                     | Fixed                                                |
| Enclosure material            | Nickel plated brass                                  |
| Type of output signal         | Discrete                                             |
| Wiring technique              | 3-wire                                               |
| [Sn] nominal sensing distance | 2 mm                                                 |
| Discrete output function      | 1 NO                                                 |
| Discrete output type          | NPN                                                  |
| Electrical connection         | Cable                                                |
| Cable length                  | 2 m                                                  |
| [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

|                                    |                               |
|------------------------------------|-------------------------------|
| ISO thread                         | M12 x 1                       |
| Detection face                     | Frontal                       |
| Detector flush mounting acceptance | Flush mountable               |
| Material                           | Metal                         |
| Front material                     | PBT                           |
| Operating zone                     | 0...1.6 mm                    |
| Differential travel                | 1...15% of Sr                 |
| Output circuit type                | DC                            |
| Cable composition                  | 3 x 0.14 mm <sup>2</sup>      |
| Wire insulation material           | PVC                           |
| Status LED                         | 1 LED yellow for output state |
| Supply voltage limits              | 10...36 V DC                  |
| Switching frequency                | <= 2500 Hz                    |
| Voltage drop                       | <= 2 V at closed state        |
| Current consumption                | <= 10 mA at no-load           |
| Delay first up                     | <= 15 ms                      |
| Delay response                     | <= 0.1 ms                     |
| Delay recovery                     | <= 0.15 ms                    |
| Marking                            | CE                            |
| Threaded length                    | 31 mm                         |
| Height                             | 12 mm                         |
| Length                             | 44 mm                         |
| Product weight                     | 0.07 kg                       |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | 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         | Not Green Premium product                                                                                                          |
| RoHS (date code: YYWW)           | Compliant - since 0903 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| Product environmental profile    | Available <a href="#">Product Environmental</a>                                                                                    |
| Product end of life instructions | Available <a href="#">End Of Life Manual</a>                                                                                       |

## Contractual warranty

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