

# XS108BLPAL2

inductive sensor XS1 M8 - L42mm - brass -  
Sn1.5mm - 12..24VDC - cable 2m



## Main

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Range of product              | OsiSense XS                                        |
| Series name                   | General purpose                                    |
| Sensor type                   | Inductive proximity sensor                         |
| Product specific application  | -                                                  |
| Sensor name                   | XS1                                                |
| Sensor design                 | Cylindrical M8                                     |
| Size                          | 42 mm                                              |
| Body type                     | Fixed                                              |
| Enclosure material            | Nickel plated brass                                |
| Type of output signal         | Discrete                                           |
| Wiring technique              | 3-wire                                             |
| [Sn] nominal sensing distance | 1.5 mm                                             |
| Discrete output function      | 1 NO                                               |
| Discrete output type          | PNP                                                |
| Electrical connection         | Cable                                              |
| Cable length                  | 2 m                                                |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection      |
| Switching capacity in mA      | ≤ 50 mA with overload and short-circuit protection |
| IP degree of protection       | IP67 conforming to IEC 60529                       |

## Complementary

|                                    |                               |
|------------------------------------|-------------------------------|
| ISO thread                         | M8 x 1                        |
| Detection face                     | Frontal                       |
| Detector flush mounting acceptance | Flush mountable               |
| Material                           | Metal                         |
| [Sd] sensing range                 | > 0...2.5 mm                  |
| Operating zone                     | 0...1.2 mm                    |
| Differential travel                | 1...15% of Sr                 |
| Output circuit type                | DC                            |
| Cable composition                  | 3 x 0.11 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                | ≤ 3000 Hz                     |
| Voltage drop                       | ≤ 2 V at closed state         |
| Current consumption                | ≤ 10 mA at no-load            |
| Delay first up                     | ≤ 5 ms                        |
| Delay response                     | ≤ 0.5 ms                      |
| Delay recovery                     | ≤ 1 ms                        |
| Marking                            | CE                            |
| Threaded length                    | 39.4 mm                       |
| Length                             | 42 mm                         |
| Product weight                     | 0.035 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                            |
| RoHS EUR conformity date              | 4Q2008                                                                  |
| RoHS EUR status                       | Will be compliant                                                       |