

# XS612B3DAL2

inductive sensor XS6 M12 - L35mm - brass -  
Sn4mm - 12..24VDC - cable 2m



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | General purpose                                                                 |
| Sensor type                        | Inductive proximity sensor                                                      |
| Device application                 | -                                                                               |
| Sensor name                        | XS6                                                                             |
| Sensor design                      | Cylindrical M12                                                                 |
| Size                               | 35 mm                                                                           |
| Body type                          | Fixed                                                                           |
| Detector flush mounting acceptance | Flush mountable                                                                 |
| Material                           | Metal                                                                           |
| Type of output signal              | Discrete                                                                        |
| Wiring technique                   | 2-wire                                                                          |
| [Sn] nominal sensing distance      | 4 mm                                                                            |
| Discrete output function           | 1 NO                                                                            |
| Output circuit type                | DC                                                                              |
| Electrical connection              | Cable                                                                           |
| Cable length                       | 2 m                                                                             |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection                                   |
| Switching capacity in mA           | <= 100 mA DC with overload and short-circuit protection                         |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Buy online

## Complementary

|                          |                                 |
|--------------------------|---------------------------------|
| Thread type              | M12 x 1                         |
| Detection face           | Frontal                         |
| Front material           | PPS                             |
| Enclosure material       | Nickel plated brass             |
| Operating zone           | 0...3.2 mm                      |
| Differential travel      | 1...15% of Sr                   |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>        |
| Wire insulation material | PvR                             |
| Status LED               | 1 LED (yellow) for output state |
| Supply voltage limits    | 10...36 V DC                    |
| Switching frequency      | <= 2000 Hz DC                   |
| Voltage drop             | <= 4 V, closed state            |
| Delay first up           | <= 10 ms                        |
| Delay response           | <= 0.3 ms                       |
| Delay recovery           | <= 0.3 ms                       |
| Marking                  | CE                              |
| Threaded length          | 25 mm                           |
| Length                   | 35 mm                           |
| Product weight           | 0.09 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 (duration = 11 ms) conforming to IEC 60068-2-27                   |

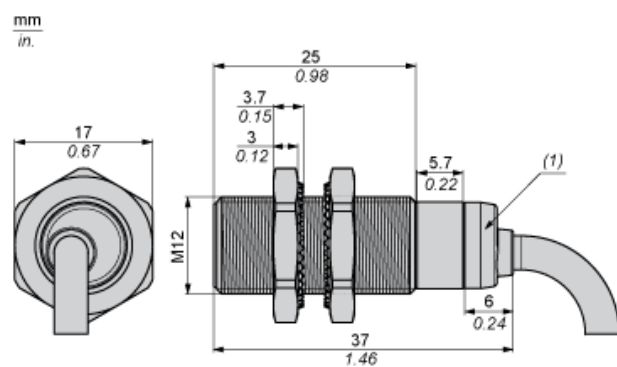
## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                              |
| RoHS (date code: YYWW)           | Compliant - since 1004 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                                                                  |
| 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 |
|-----------------|-----------|

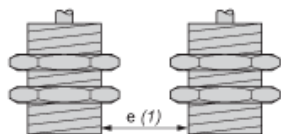
## Dimensions



(1) LED

### Minimum Mounting Distances

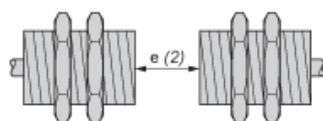
Side by side



e (1) 8 mm/0.31 in.

≥

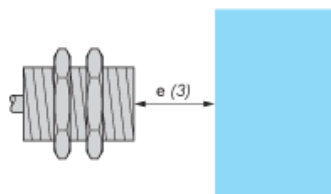
Face to face



e (2) 48 mm/1.89 in.

≥

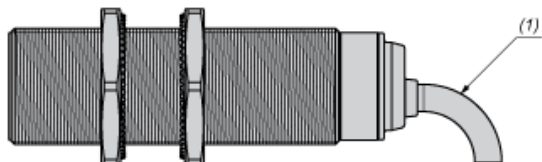
Facing a metal object



e (3) 12 mm/0.47 in.

≥

### Mounting



(1) Bending cable: 4 x external cable diameter

---

## Wiring Schemes

---

### 2-Wire Non-polarised

NO output



BU : Blue  
BN : Brown