

# XS612B1NAL2

inductive sensor XS6 M12 - L53mm - brass - Sn4mm - 12..48VDC - cable 2m



Product availability: Stock - Normally stocked in distribution facility



## Main

|                                    |  |
|------------------------------------|--|
| Commercial Status                  | Commercialised   |
| Range of product                   | OsiSense XS  |
| Series name                        | General purpose  |
| Sensor type                        | Inductive proximity sensor   |
| Product specific application       | -  |
| Sensor name                        | XS6  |
| Sensor design                      | Cylindrical M12  |
| Size                               | 53 mm  |
| Body type                          | Fixed  |
| Detector flush mounting acceptance | Flush mountable  |
| Material                           | Metal  |
| Type of output signal              | Discrete   |
| Wiring technique                   | 3-wire   |
| [Sn] nominal sensing distance      | 0.16 in (4 mm)   |
| Discrete output function           | 1 NO   |
| Output circuit type                | DC   |
| Discrete output type               | NPN  |
| Electrical connection              | Cable  |
| Cable length                       | 6.56 ft (2 m)  |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection                                    |
| Switching capacity in mA           | <= 200 mA DC with overload and short-circuit protection                          |
| IP degree of protection            | IP69 K conforming to DIN 40050<br>IP68 double insulation conforming to IEC 60529 |

## Complementary

|                          |                                 |
|--------------------------|---------------------------------|
| ISO thread               | M12 x 1                         |
| Detection face           | Frontal                         |
| Front material           | PPS                             |
| Enclosure material       | Nickel plated brass             |
| Operating zone           | 0...0.13 in (0...3.2 mm)        |
| Differential travel      | 1...15% of Sr                   |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>        |
| Wire insulation material | PvR                             |
| Status LED               | 1 LED (yellow) for output state |
| Supply voltage limits    | 10...58 V DC                    |
| Switching frequency      | <= 2500 Hz                      |
| Voltage drop             | <= 2 V, closed state            |
| Current consumption      | <= 10 mA (no-load)              |
| Delay first up           | <= 10 ms                        |
| Delay response           | <= 0.2 ms                       |
| Delay recovery           | <= 0.2 ms                       |

|                 |                        |
|-----------------|------------------------|
| Marking         | CE                     |
| Threaded length | 1.65 in (42 mm)        |
| Length          | 2.09 in (53 mm)        |
| Product weight  | 0.17 lb(US) (0.075 kg) |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>UL   |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)  |
| Ambient air temperature for storage   | -40...185 °F (-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                   |

## Ordering and shipping details

|                       |   |
|-----------------------|---|
| Category              | 22486 - SENSORS, PROXIMITY                        |
| Discount Schedule     | DS2   |
| GTIN                  | 00785901639206                                    |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.22  |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y   |
| Country of origin     | ID  |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS                             | Compliant - since 0808 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                 |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|