# Product data sheet Characteristics

## XS1M18AB120

inductive sensor XS1 M18 - L53mm - brass - Sn5mm - 12..24VDC - cable 2m



Price\*: 208.26 USD

| Commercial Status                  | Commercialised               |
|------------------------------------|------------------------------|
| Range of product                   | OsiSense XS                  |
| Series name                        | Application                  |
| Sensor type                        | Inductive proximity sensor   |
| Product specific application       | -                            |
| Sensor name                        | XS1                          |
| Sensor design                      | Cylindrical M18              |
| Size                               | 53 mm                        |
| Body type                          | Fixed                        |
| Detector flush mounting acceptance | Flush mountable              |
| Material                           | Metal                        |
| Type of output signal              | Analogue                     |
| Wiring technique                   | 2-wire                       |
| [Sn] nominal sensing distance      | 0.2 in (5 mm)                |
| Discrete output function           | 1 NC                         |
| Output circuit type                | DC                           |
| Analogue output range              | 420 mA                       |
| Electrical connection              | Cable                        |
| Cable length                       | 6.56 ft (2 m)                |
| [Us] rated supply voltage          | 1224 V DC                    |
| IP degree of protection            | IP67 conforming to IEC 60529 |
|                                    |                              |

#### Complementary

| ISO thread               | M18 x 1              |
|--------------------------|----------------------|
| Detection face           | Frontal              |
| Front material           | PPS                  |
| Enclosure material       | Nickel plated brass  |
| Operating zone           | 0.020.2 in (0.55 mm) |
| Repeat accuracy          | <= 3% of Sr          |
| Linearity error          | +/- 2 mA             |
| Cable composition        | 3 x 0.34 mm²         |
| Wire insulation material | PvR                  |
| Supply voltage limits    | 1038 V DC            |
| Switching frequency      | <= 500 Hz            |
| Current consumption      | 4 mA at no-load      |
| Output current drift     | <= 10 %              |
| Marking                  | CE                   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of the products be application specific uses the properties and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein. \*Prices are indicative

| Threaded length    | 1.73 in (44 mm)       |
|--------------------|-----------------------|
| Length             | 2.09 in (53 mm)       |
| CAD overall height | 0.71 in (18 mm)       |
| CAD overall depth  | 2.09 in (53 mm)       |
| Product weight     | 0.26 lb(US) (0.12 kg) |

### Environment

| Product certifications                | CSA<br>UL            |
|---------------------------------------|----------------------|
| Ambient air temperature for operation | -13158 °F (-2570 °C) |

### Ordering and shipping details

| 22486 - SENSORS, PROXIMITY |
|----------------------------|
| DS2                        |
| 00785901721628             |
| 1                          |
| 0.28                       |
| Y                          |
| FR                         |
|                            |

### Offer Sustainability

| Sustainable offer status         | Green Premium product   |
|----------------------------------|---|
| RoHS                             | Compliant - since 0811 - Schneider Electric declaration of conformity |
| REACh                            | Reference not containing SVHC above the threshold                     |
| Product environmental profile    | Available Download Product Environmental                              |
| Product end of life instructions | Available Download End Of Life Manual                                 |

