

# XS1M18PC410P

inductive sensor XS1 M18 - L60mm - brass -  
Sn5mm - DC - cable 2m

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

|                                    |                                                                       |
|------------------------------------|-----------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                           |
| Series name                        | General purpose                                                       |
| Sensor type                        | Inductive proximity sensor                                            |
| Device application                 | Mobile equipment                                                      |
| Sensor name                        | XS1                                                                   |
| Sensor design                      | Cylindrical M18                                                       |
| Size                               | 60 mm                                                                 |
| Body type                          | Fixed                                                                 |
| Detector flush mounting acceptance | Flush mountable                                                       |
| Material                           | Metal                                                                 |
| Type of output signal              | Discrete                                                              |
| Wiring technique                   | 4-wire                                                                |
| [Sn] nominal sensing distance      | 0.2 in (5 mm)                                                         |
| Discrete output function           | 1 NO + 1 NC                                                           |
| Output circuit type                | DC                                                                    |
| Discrete output type               | PNP                                                                   |
| Electrical connection              | Cable                                                                 |
| Cable length                       | 6.56 ft (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<br>IP65 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| Safety level             | SILCL 2 conforming to IEC 62061<br>PL = d conforming to EN/ISO 13849-1<br>SIL 2 conforming to EN/IEC 61508 |
| Safety reliability data  | MTTFd = 1810 years<br>PFHd = 62.9E-9 1/h<br>SFF = 92 %<br>DC = 74 % with appropriate safety controller     |
| Service life             | 20 yr                                                                                                      |
| Thread type              | M18 x 1                                                                                                    |
| Detection face           | Frontal                                                                                                    |
| Front material           | PPS                                                                                                        |
| Enclosure material       | Nickel plated brass                                                                                        |
| Operating zone           | 0...0.16 in (0...4 mm)                                                                                     |
| Differential travel      | 1...15% of Sr                                                                                              |
| Cable composition        | 4 x 0.22 mm <sup>2</sup>                                                                                   |
| Wire insulation material | PUR                                                                                                        |
| Status LED               | 1 LED yellow output state                                                                                  |
| Supply voltage limits    | 9...36 V DC                                                                                                |
| Switching frequency      | <= 2000 Hz                                                                                                 |
| Voltage drop             | <= 2 V at closed state                                                                                     |
| Current consumption      | 0...10 mA at no-load                                                                                       |

|                 |                       |
|-----------------|-----------------------|
| Delay first up  | <= 5 ms               |
| Delay response  | <= 0.15 ms            |
| Delay recovery  | <= 0.35 ms            |
| Marking         | CE                    |
| Threaded length | 2.01 in (51 mm)       |
| Height          | 0.71 in (18 mm)       |
| Length          | 2.36 in (60 mm)       |
| Product weight  | 0.26 lb(US) (0.12 kg) |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Standards                             | EN/ISO 13849-1<br>IEC 62061                                             |
| Product certifications                | CSA<br>TÜV<br>UL<br>E2                                                  |
| 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 11 ms conforming to IEC 60068-2-27                                |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 003389110951936            |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.25                       |
| Returnability         | N                          |
| Country of origin     | FR                         |

## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW)           | Compliant - since 1010 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| Product environmental profile    | Available                                                                                                                          |
| Product end of life instructions | Available                                                                                                                          |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                                       |
| - - - - - Substance 1            | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                        |
| - - - - - Substance 2            | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.         |
| - - - - - More information       | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

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

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