

# XS1M18PC410D

inductive sensor XS1 M18, L60mm, brass,  
Sn5mm, 12..24VDC, M12



## Main

|                                    |                                                                       |
|------------------------------------|-----------------------------------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS                          |
| Series name                        | General purpose                                                       |
| Sensor type                        | Inductive proximity sensor                                            |
| Sensor name                        | XS1                                                                   |
| Sensor design                      | Cylindrical M18                                                       |
| Size                               | 72 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      | 5 mm                                                                  |
| Discrete output function           | 1 NO + 1 NC                                                           |
| Output circuit type                | DC                                                                    |
| Discrete output type               | PNP                                                                   |
| Electrical connection              | Male connector M12, 4 pins                                            |
| [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            | IP69K conforming to DIN 40050<br>IP65 conforming to IEC 60529<br>IP67 |

## Complementary

|                        |                              |
|------------------------|------------------------------|
| Thread type            | M18 x 1                      |
| Detection face         | Frontal                      |
| Front material         | PPS                          |
| Enclosure material     | Nickel plated brass          |
| Operating zone         | 0...4 mm                     |
| Differential travel    | 1...15% of Sr                |
| Status LED             | Output state: 1 LED (yellow) |
| Supply voltage limits  | 9...36 V DC                  |
| Switching frequency    | <= 2000 Hz                   |
| Maximum voltage drop   | <2 V (closed)                |
| Current consumption    | 0...10 mA no-load            |
| Maximum delay first up | 5 ms                         |
| Maximum delay response | 0.15 ms                      |
| Maximum delay recovery | 0.35 ms                      |
| Marking                | CE                           |
| Threaded length        | 51 mm                        |
| Length                 | 72 mm                        |
| Net weight             | 0.04 kg                      |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA[RETURN]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                            |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 2.0 cm   |
| Package 1 Width              | 10.0 cm  |
| Package 1 Length             | 12.0 cm  |
| Package 1 Weight             | 65.0 g   |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 22       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 1.604 kg |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| Environmental Disclosure                   | <a href="#"> Product Environmental Profile</a>                                                                                                                                                                                                                                                 |
| Circularity Profile                        | <a href="#"> End of Life Information</a>                                                                                                                                                                                                                                                       |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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