

# XS2M08PC410D

Inductive proximity sensors XS, inductive sensor XS2 M8, L61mm, stainless, Sn2.5 mm, 12...24 VDC, M12



## Main

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS    |
| Series name                        | General purpose                                 |
| Sensor type                        | Inductive proximity sensor                      |
| Sensor name                        | XS2                                             |
| Sensor design                      | Cylindrical M8                                  |
| Size                               | 61 mm                                           |
| Body type                          | Fixed                                           |
| Detector flush mounting acceptance | Non flush mountable                             |
| Material                           | Stainless steel                                 |
| Type of output signal              | Discrete                                        |
| Wiring technique                   | 4-wire                                          |
| [Sn] nominal sensing distance      | 0.10 in (2.5 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 reverse polarity protection        |
| Switching capacity in mA           | <= 200 mA overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                    |

## Complementary

|                        |                            |
|------------------------|----------------------------|
| Thread type            | M8 x 1                     |
| Detection face         | Frontal                    |
| Front material         | PPS                        |
| Enclosure material     | Stainless steel 303        |
| Operating zone         | 0.00...0.08 in (0...2 mm)  |
| Differential travel    | 1...15% of Sr              |
| Status LED             | Output state 1 LED yellow) |
| Supply voltage limits  | 10...36 V DC               |
| Switching frequency    | <= 5000 Hz                 |
| Maximum voltage drop   | <2 V closed)               |
| Current consumption    | 0...10 mA no-load          |
| Maximum delay first up | 5 ms                       |
| Maximum delay response | 0.1 ms                     |
| Maximum delay recovery | 0.1 ms                     |
| Marking                | CE                         |
| Threaded length        | 1.42 in (36 mm)            |
| Length                 | 2.40 in (61 mm)            |
| Net Weight             | 0.06 lb(US) (0.025 kg)     |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product certifications                | UL<br>CSA                               |
| 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 +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27              |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 00785901547464             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 1 lb(US) (0.45 kg)         |
| Returnability         | Yes                        |
| Country of origin     | FR                         |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.65 in (4.2 cm) |
| Package 1 width        | 2.60 in (6.6 cm) |
| Package 1 Length       | 3.74 in (9.5 cm) |

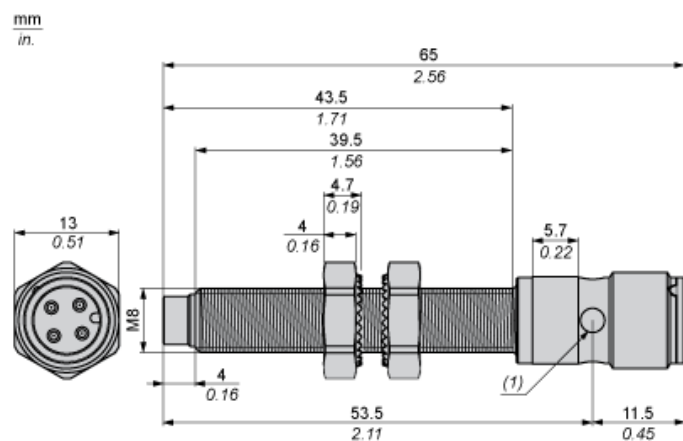
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                    |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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

## Dimensions



## Minimum Mounting Distances

Side by side



e (1) 10 mm/0.39 in.

≥

Face to face



e (2) 30 mm/1.18 in.

≥

Facing a metal object



e (3) 7.5 mm/0.30 in.

≥

Mounted in a metal support



d ≥ 24 mm/0.94 in.

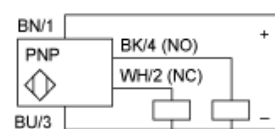
h ≥ 5 mm/0.20 in.

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## Wiring Schemes

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### PNP 4-wire



BU : Blue  
BN : Brown  
BK : Black  
WH : White