

# XS1M08PC410D

inductive sensor XS1 M8, L61mm, stainless,  
Sn1.5mm, 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 M8                                  |
| Size                               | 62 mm                                           |
| Body type                          | Fixed                                           |
| Detector flush mounting acceptance | Flush mountable                                 |
| Material                           | Stainless steel                                 |
| Type of output signal              | Discrete                                        |
| Wiring Technique                   | 4-wire                                          |
| [Sn] nominal sensing distance      | 0.06 in (1.5 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...0.05 in (0...1.2 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        | 1.57 in (40 mm)             |
| Length                 | 2.44 in (62 mm)             |
| Net Weight             | 0.06 lb(US) (0.025 kg)      |

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## 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 +/- 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              | 3389110547214            |
| Returnability     | Yes                      |
| Country of origin | FR                       |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 2.60 in (6.6 cm)       |
| Package 1 Width              | 3.74 in (9.5 cm)       |
| Package 1 Length             | 1.65 in (4.2 cm)       |
| Package 1 Weight             | 0.78 oz (22.0 g)       |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 44                     |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 Width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |
| Package 2 Weight             | 2.81 lb(US) (1.275 kg) |

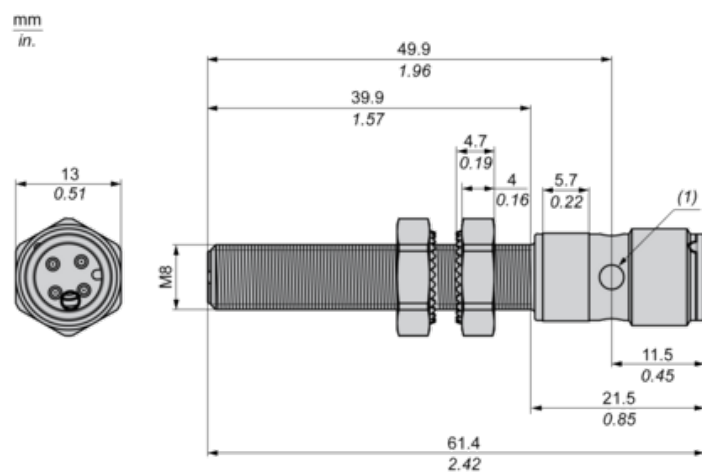
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

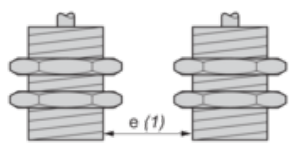


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### Minimum Mounting Distances

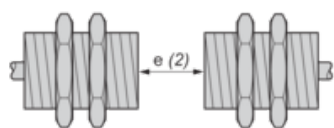
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Side by side



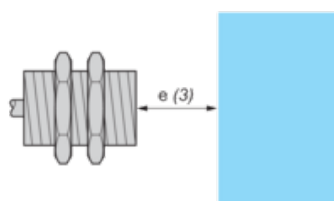
$e (1) \geq 3 \text{ mm}/0.12 \text{ in.}$

Face to face



$e (2) \geq 18 \text{ mm}/0.71 \text{ in.}$

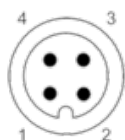
Facing a metal object



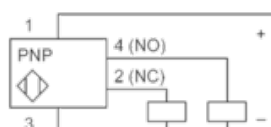
$e (3) \geq 4.5 \text{ mm}/0.18 \text{ in.}$

## Wiring Schemes

M12 connector

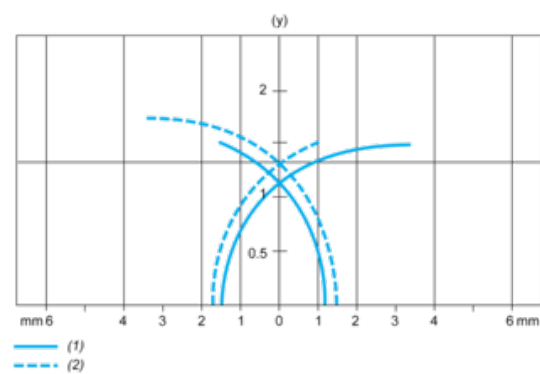


PNP 4-wire



## Performance Curves

Standard Steel Target : 8x8x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm