# XS1M08PC410

inductive sensor XS1 M8 - L50mm - stainless - Sn1.5mm - 12..24VDC - cable 2m



## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS1 |
| Sensor design | Cylindrical M8 |
| Size | 50 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 | 1.5 mm |
| Discrete output function | 1 NO + 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 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 conforming to IEC 60529 |

## Complementary

| | |
|---|---|
| Thread type | M8 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Stainless steel 303 |
| Operating zone | 0...1.2 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 4 x 0.08 mm² |
| Wire insulation material | PvR |

| | |
|---|---|
| Status LED | 1 LED yellow for output state |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 5000 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | 0...10 mA at no-load |
| Delay first up | <= 5 ms |
| Delay response | <= 0.1 ms |
| Delay recovery | <= 0.1 ms |
| Marking | CE |
| Threaded length | 42 mm |
| Height | 8 mm |
| Length | 50 mm |
| Product weight | 0.035 kg |

## Environment

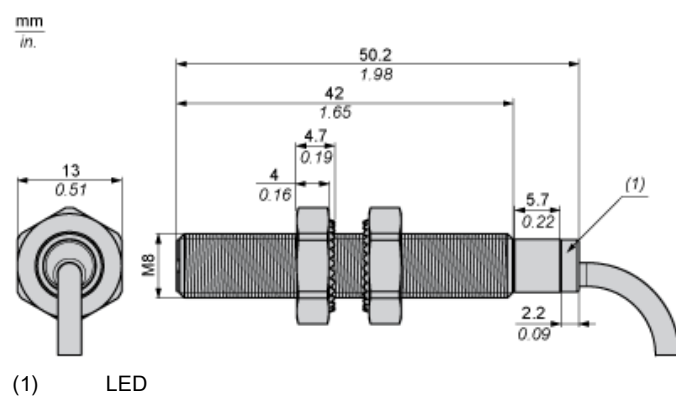| | |
|---|---|
| Product certifications | CSA<br>UL |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |

## Offer Sustainability

| | |
|---|---|
| RoHS (date code: YYWW) | Compliant  - since  1005  -  Schneider Electric declaration of conformity<br>Schneider Electric declaration of conformity |
| Product environmental profile | Available<br>End of Life Information |
| Product end of life instructions | Available |

## Contractual warranty

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

Life Is On | Schneider Electric

# XS1M08PC410

## Dimensions



mm / in.

50.2 / 1.98

42 / 1.65

4.7 / 0.19

4 / 0.16

13 / 0.51

M8

5.7 / 0.22

(1)

2.2 / 0.09

(1)        LED

## Minimum Mounting Distances

Side by side



e (1) ≥   3 mm/0.12 in.

Face to face



e (2) ≥   18 mm/0.71 in.

Facing a metal object



e (3) ≥   4.5 mm/0.18 in.

## Mounting
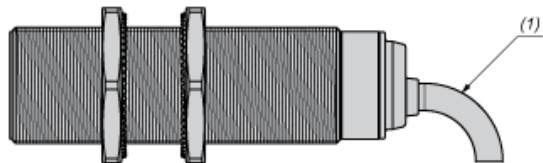


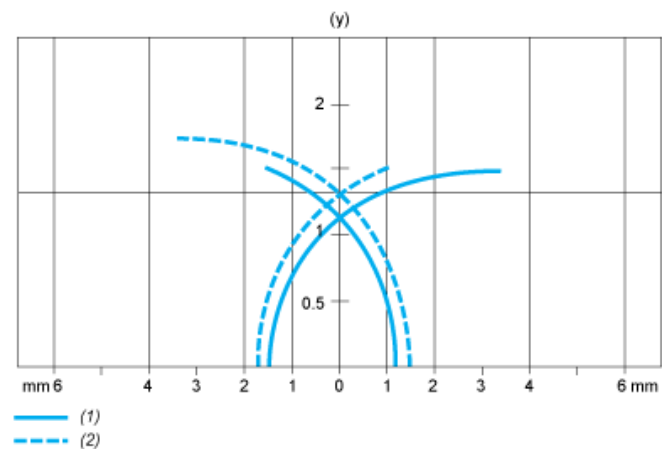(1)     Bending cable: 4 x external cable diameter

## Wiring Schemes

PNP 4-wire
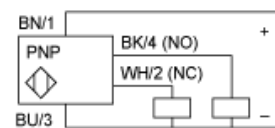


| | |
|---|---|
| BU : | Blue |
| BN : | Brown |
| BK : | Black |
| WH : | White |

## XS1M08PC410

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Performance Curves

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Standard Steel Target : 8x8x1 mm



(1)    Pick-up points
(2)    Drop-out points (object approaching from the side)
(y)    Sensing distance in mm