# XS508B1PAM8

inductive sensor XS5 M8 - L42mm - stainless - Sn1.5mm - 12..24VDC - M8



## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M8 |
| Size | 42 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 1.5 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Male connector M8 3 pins |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC 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 | Nickel plated brass |
| Operating zone | 0...1.2 mm |

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| | |
|---|---|
| Differential travel | 1...15% of Sr |
| Status LED | 1 LED (yellow) for output state |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 5000 Hz |
| Voltage drop | <= 2 V, closed state |
| Current consumption | <= 10 mA (no-load) |
| Delay first up | <= 10 ms |
| Delay response | <= 0.1 ms |
| Delay recovery | <= 0.1 ms |
| Marking | CE |
| Threaded length | 26 mm |
| Height | 10 mm |
| Length | 42 mm |
| Product weight | 0.025 kg |

## Environment

| | |
|---|---|
| Product certifications | UL<br>CSA |
| 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 (duration = 11 ms) conforming to IEC 60068-2-27 |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant  - since  0953  -  Schneider Electric declaration of conformity<br>⤢ Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold |
| Product environmental profile | Available<br>⤢ Product environmental |
| Product end of life instructions | Available<br>⤢ End of life manual |

## Contractual warranty

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

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## Dimensions



(1)    LED

# XS508B1PAM8
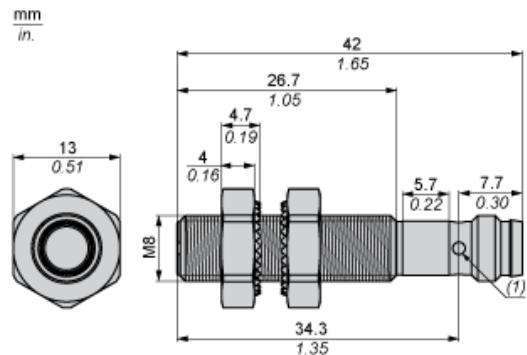
## Minimum Mounting Distances

Side by side
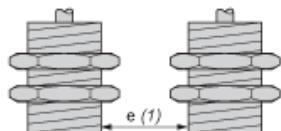
e (1) ≥3 mm/0.12 in.

Face to face
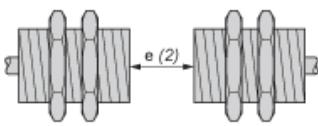
e (2) ≥18 mm/0.71 in.

Facing a metal object

e (3) ≥4.5 mm/0.18 in.

# XS508B1PAM8
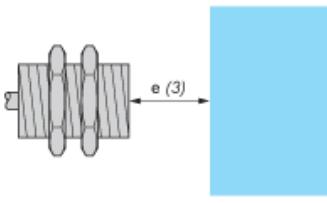
## Wiring Schemes

M8 Connector
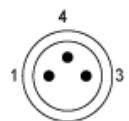


PNP
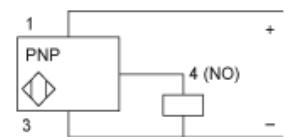
## Performance Curves

### Standard Steel Target : 8x8x1 mm
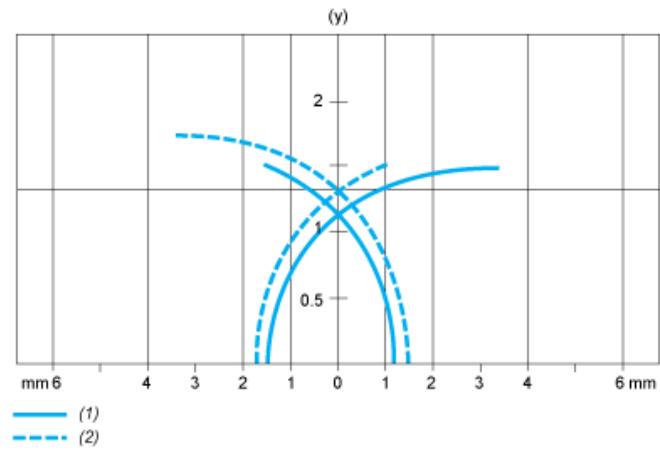


(1)   Pick-up points
(2)   Drop-out points (object approaching from the side)
(y)   Sensing distance in mm