# XS606B3CAL01M12

inductive sensor XS6 Ø6.5 - L51mm - brass - Sn2.5mm - 12..24VDC - M12 0.15m

Price* : 41.73 GBP



## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS6 |
| Sensor design | Cylindrical Ø 6.5 mm plain |
| Size | 51 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 2.5 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Electrical connection | Remote male connector M12, 4 pins |
| Cable length | 0.15 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 100 mA DC with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

## Complementary

| | |
|---|---|
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0…2 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 2 x 0.11 mm² |
| Wire insulation material | PvR |
| Status LED | Output state: 1 LED (yellow) |

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| | |
|---|---|
| Supply voltage limits | 10…36 V DC |
| Switching frequency | <= 3000 Hz DC |
| Maximum voltage drop | <4 V (closed) |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.3 ms |
| Marking | CE |
| Threaded length | 30 mm |
| Length | 51 mm |
| Product weight | 0.07 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

| | |
|---|---|
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

## Contractual warranty

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

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## Dimensions



(1)      LED
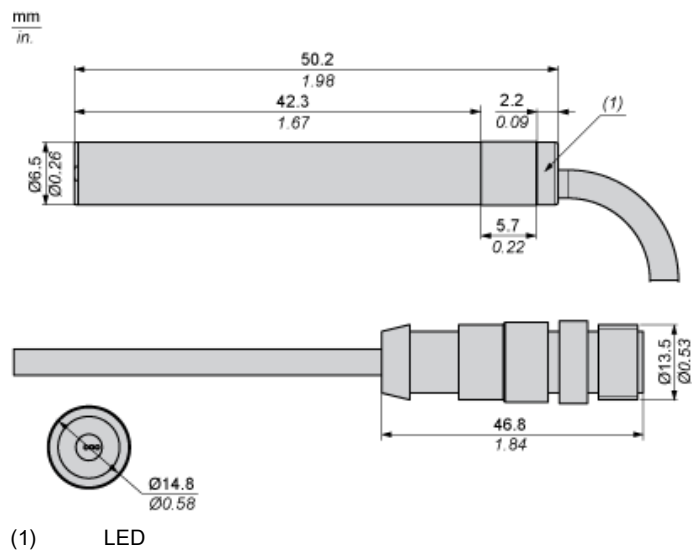
## Minimum Mounting Distances in mm

Side by side

e (1) ≥ 5 mm/0.20 in.

Face to face

e (2) ≥ 30 mm/1.18 in.

Facing a metal object

e (3) ≥ 8 mm/0.31 in.

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## Wiring Schemes

### 2-Wire Polarised

M12 connector



NO output

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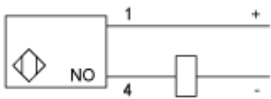
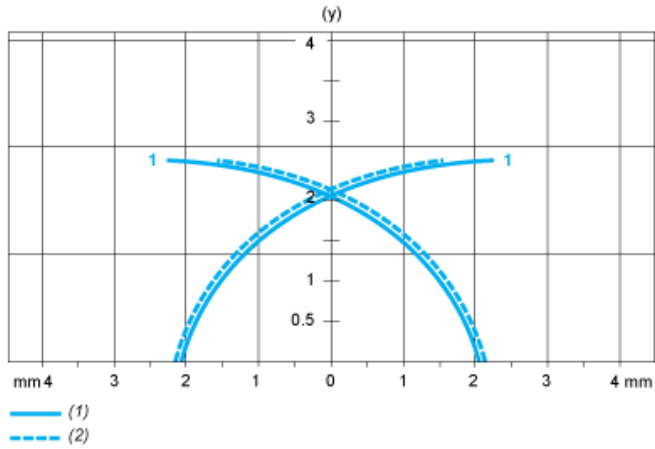## Performance Curves

### Standard Steel Target (mm) : 8x8x1



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