

XS608B1PBM12

inductive sensor XS6 M8 - L62mm - stainless -
Sn2.5mm - 12..48VDC - M12



Main

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|------------------------------------|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS6 |
| 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 | 3-wire |
| [Sn] nominal sensing distance | 2.5 mm |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Male connector M12 4 pins |
| [Us] rated supply voltage | 12...48 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

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|-----------------------|---------------------------------|
| Thread type | M8 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Stainless steel 303 |
| Operating zone | 0...2 mm |
| Differential travel | 1...15% of Sr |
| Status LED | 1 LED (yellow) for output state |
| Supply voltage limits | 10...58 V DC |
| Switching frequency | <= 2500 Hz |
| Voltage drop | <= 2 V, closed state |
| Current consumption | <= 10 mA (no-load) |
| Delay first up | <= 10 ms |
| Delay response | <= 0.2 ms |
| Delay recovery | <= 0.2 ms |
| Marking | CE |
| Threaded length | 40 mm |
| Length | 62 mm |
| Product weight | 0.015 kg |

Environment

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| product certifications | CSA UL |
|------------------------|-----------|

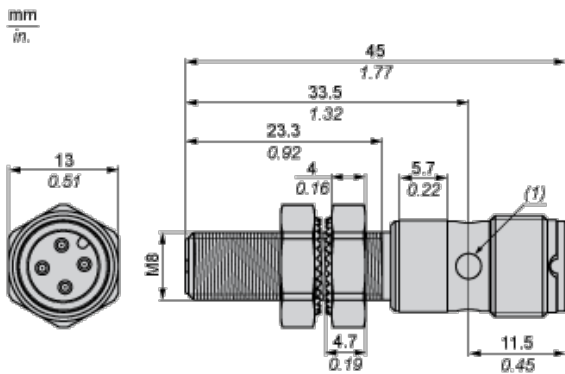
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|---------------------------------------|---|
| ambient air temperature for operation | -25...70 °C |
| ambient air temperature for storage | -40...85 °C |
| vibration resistance | 25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27 |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1010 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

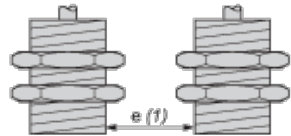
Dimensions



(1) LED

Minimum Mounting Distances in mm

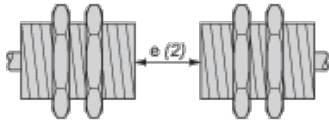
Side by side



e (1) 5 mm/0.20 in.

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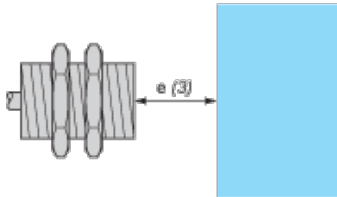
Face to face



e (2) 30 mm/1.18 in.

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Facing a metal object

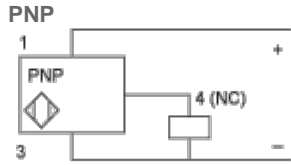
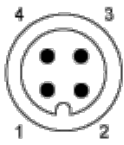


e (3) 8 mm/0.31 in.

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Wiring Schemes

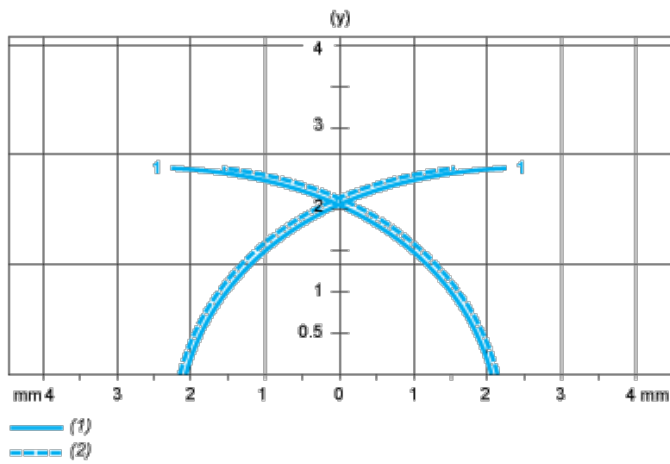
M12 connector



- 1 : (+)
- 2 : NC Output
- 3 : (-)
- 4 : Not connected

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