

XS508B1DAL5

inductive sensor XS5 M8 - L51mm - stainless -
Sn1.5mm - 12..48VDC - cable 5m



Main

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|------------------------------------|--|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M8 |
| Size | 51 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Stainless steel |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 1.5 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Electrical connection | Cable |
| Cable length | 5 m |
| [Us] rated supply voltage | 12...48 V DC |
| Switching capacity in mA | 1.5...100 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 | Stainless steel 303 |
| Operating zone | 0...1.2 mm |

| | |
|--------------------------|---------------------------------|
| Differential travel | 1...15% of Sr |
| Cable composition | 2 x 0.11 mm ² |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| Supply voltage limits | 10...58 V DC |
| Residual current | <= 0.5 mA, open state |
| Switching frequency | <= 4000 Hz |
| Voltage drop | <= 4 V, closed state |
| Delay first up | <= 10 ms |
| Delay response | <= 0.2 ms |
| Delay recovery | <= 0.2 ms |
| Marking | CE |
| Threaded length | 42 mm |
| Height | 8 mm |
| Length | 51 mm |
| Product weight | 0.155 kg |

Environment

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|---------------------------------------|---|
| Product certifications | CCC CSA 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 (duration = 11 ms) conforming to IEC 60068-2-27 |

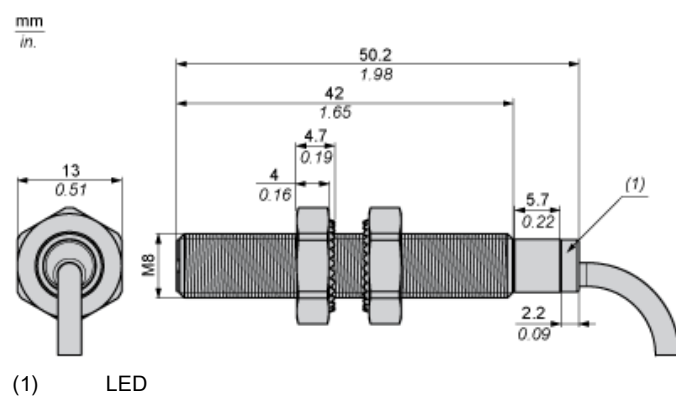
Offer Sustainability

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

Contractual warranty

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

Dimensions



Minimum Mounting Distances

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



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

Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

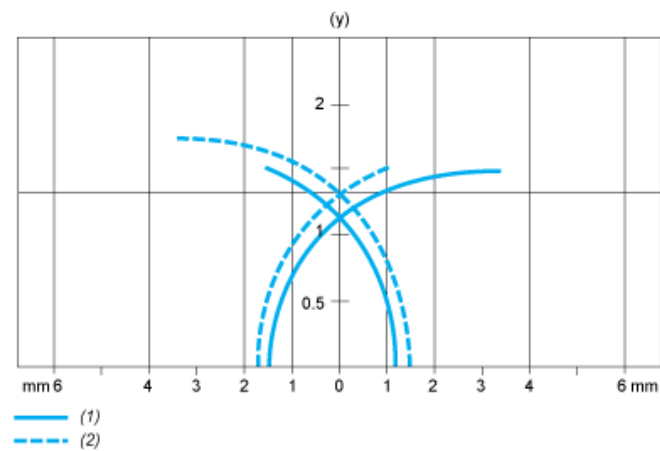
NO output



BU : Blue
BN : Brown

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