

XS512BSDAL5

inductive sensor XS5 M12 - L35mm - brass - Sn2mm
- 12..24VDC - cable 5m



Main

| | |
|------------------------------------|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M12 |
| Size | 35 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 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Electrical connection | Cable |
| Cable length | 5 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | 1.5...100 mA DC with overload and short-circuit protection |
| IP degree of protection | IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050 |

Complementary

| | |
|--------------------------|---------------------------------|
| Thread type | M12 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0...1.6 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm ² |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| Supply voltage limits | 10...36 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 | 25 mm |
| Height | 12 mm |
| Length | 35 mm |
| Product weight | 0.155 kg |

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Environment

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|---------------------------------------|---|
| product certifications | 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 |

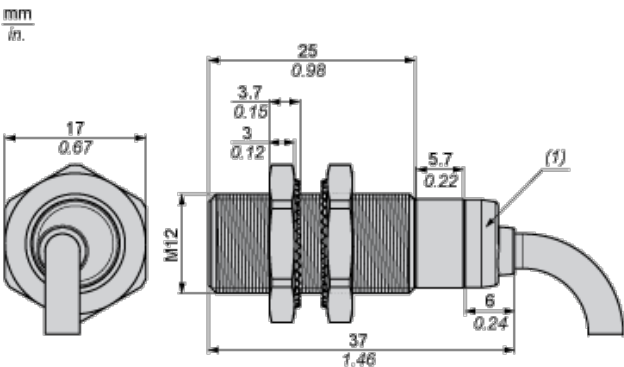
Offer Sustainability

| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1004 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

Contractual warranty

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

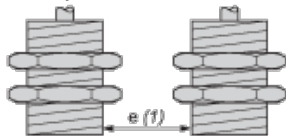
Dimensions



(1) LED

Minimum Mounting Distances

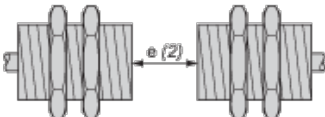
Side by side



$e (1)$ 4 mm/0.16 in.

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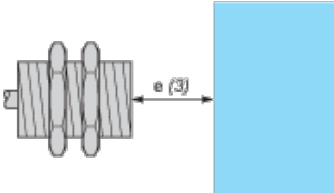
Face to face



$e (2)$ 24 mm/0.94 in.

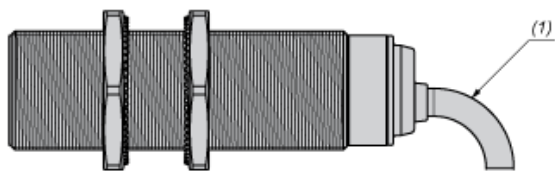
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Facing a metal object



e (3) 6 mm/0.24 in.
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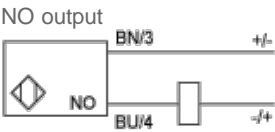
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

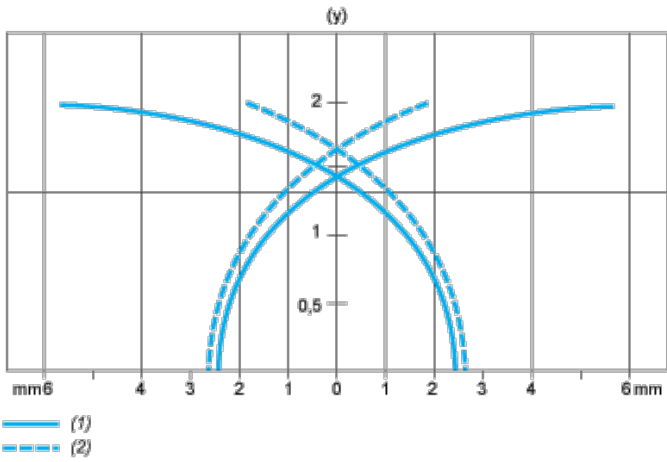
2-Wire Non-polarised



BU : Blue
BN : Brown

Performance Curves

Standard Steel Target : 12x12x1 mm



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