# Product data sheet
## Characteristics

# XS518B1MBL2

inductive sensor XS5 M18 - L62mm - brass - Sn5mm - 24..240VAC/DC - cable 2m

Green Premium™ Product

## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M18 |
| Size | 62 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 | 5 mm |
| Discrete output function | 1 NC |
| Output circuit type | AC/DC |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 24...240 V AC/DC with reverse polarity protection |
| Switching capacity in mA | 5...200 mA DC<br>5...300 mA AC |
| IP degree of protection | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

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## Complementary

| | |
|---|---|
| Thread type | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0...4 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 2 x 0.34 mm² |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| Supply voltage limits | 20...264 V AC/DC |
| Residual current | <= 0.8 mA, open state |
| Switching frequency | <= 1000 Hz DC<br><= 25 Hz AC |
| Voltage drop | <= 5.5 V, closed state |
| Delay first up | <= 25 ms |
| Delay response | <= 0.5 ms |
| Delay recovery | <= 0.5 ms |
| Marking | CE |
| Threaded length | 52 mm |
| Height | 18 mm |

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| | |
|---|---|
| Length | 62 mm |
| Product weight | 0.12 kg |

## Environment

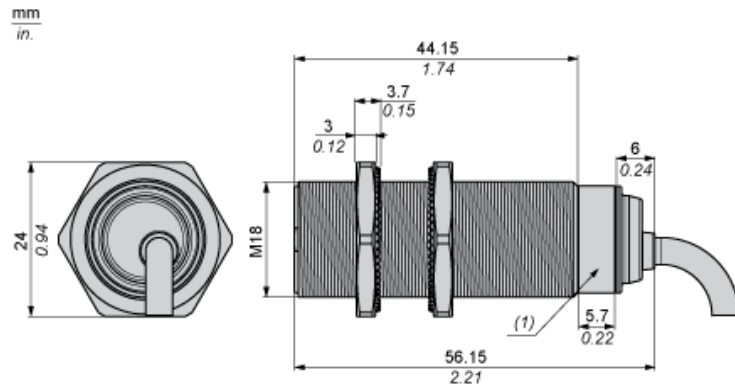| | |
|---|---|
| Product certifications | CSA<br>UL |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Vibration resistance | 25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn (duration = 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 Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Product Environmental |
| Product end of life instructions | Available End Of Life Manual |

## Contractual warranty

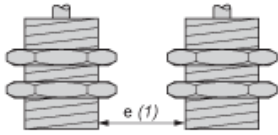| | |
|---|---|
| Warranty period | 18 months |

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## Dimensions



(1)  LED

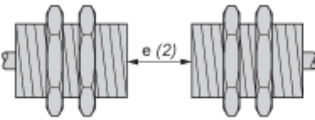## Minimum Mounting Distances
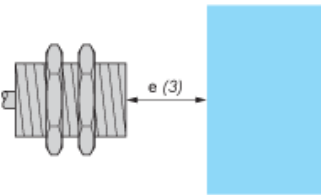
Side by side

e (1)  16 mm/0.63 in.
≥

Face to face

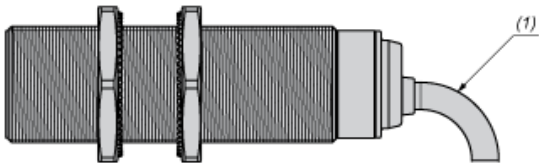e (2)  100 mm/3.94 in.
≥

Facing a metal object

e (3)  25 mm/0.98 in
≥

## Mounting

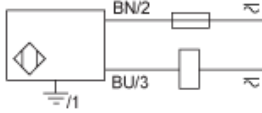(1)    Bending cable: 4 x external cable diameter
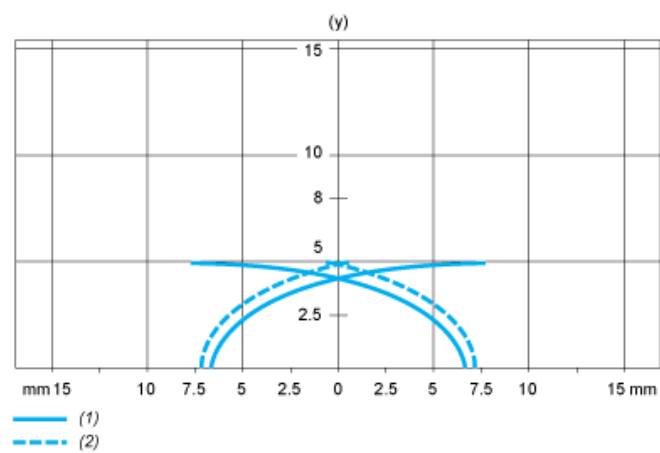
## Wiring Schemes

### 2-Wire AC or DC

NC output



BU :  Blue
BN :  Brown

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## Performance Curves

### Standard Steel Target : 18x18x1 mm



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

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