# XS1M18MA250

inductive sensor XS1 M18 - L60mm - 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 |
| Wiring configuration | 2-wire |
| Output circuit type | AC/DC |
| Protection type | Short-circuit protection |
| Device application | 2-wire DC short-circuit protection |
| Sensor name | XS1 |
| Sensor design | Cylindrical M18 |
| Size | 60 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 NO |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 24...240 V AC 50/60 Hz<br>24...210 V DC |
| Switching capacity in mA | 5...200 mA DC with overload and short-circuit protection<br>5...300 mA AC with overload and short-circuit protection |
| IP degree of protection | IP68 double insulation conforming to IEC 60529 |

## 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 green for supply on<br>1 LED yellow for output state |
| Supply voltage limits | 20...264 V AC/DC |
| Residual current | <= 1.5 mA for open state |
| Switching frequency | <= 2000 Hz DC<br><= 25 Hz AC |
| Voltage drop | <= 5.5 V at closed state |
| Delay first up | <= 70 ms |
| Delay response | <= 2 ms |
| Delay recovery | <= 4 ms |

Schneider Electric

| Marking | CE |
|---|---|
| Threaded length | 51 mm |
| Height | 18 mm |
| Length | 60 mm |
| Product weight | 0.12 kg |

## Environment

| 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 for 11 ms conforming to IEC 60068-2-27 |

## Offer Sustainability

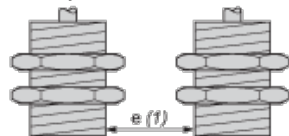| Sustainable offer status | Green Premium product |
|---|---|
| RoHS (date code: YYWW) | Compliant - since 0808 - Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

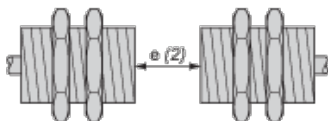## Dimensions
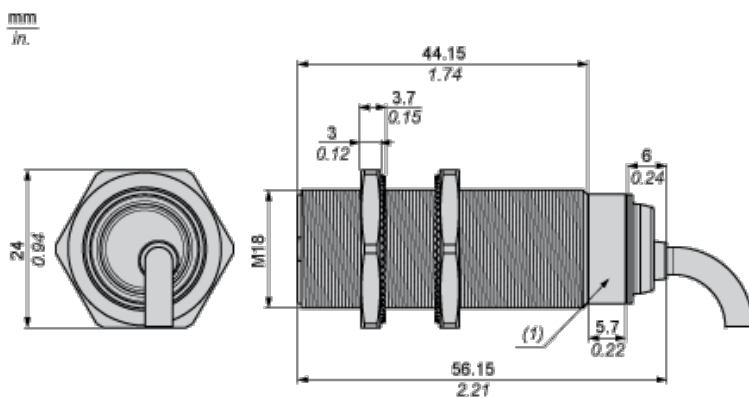


**(1)** LED

## Minimum Mounting Distances

Side by side



**e (1)** 10 mm/0.39 in.
≥

Face to face



**e (2)** 60 mm/2.36 in.
≥

Facing a metal object
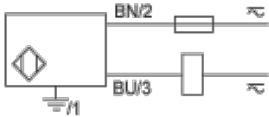
**e (3)** 15 mm/0.60 in
≥

## Mounting



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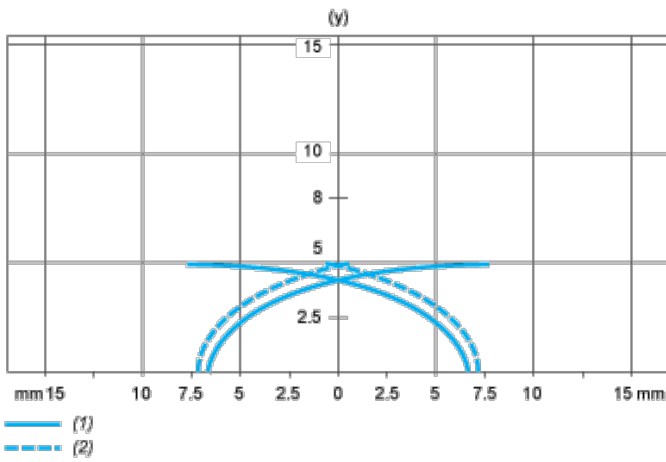
## Wiring Schemes

**2-Wire AC or DC**

NO output



**BU :** Blue
**BN :** Brown

## 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