



Main

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|------------------------------------|------------------------------|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS4 |
| Sensor design | Cylindrical M8 |
| Size | 50 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Plastic |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 2.5 mm |
| Discrete output function | 1 NO |
| Output circuit type | AC/DC |
| Electrical connection | Cable |
| Cable length | 5 m |
| [Us] rated supply voltage | 24...240 V AC/DC, 50/60 Hz |
| Switching capacity in mA | 5...100 mA AC/DC |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| | |
|--------------------------|----------------------------------|
| Thread type | M8 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | PPS |
| Operating zone | 0...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 | 20...264 V AC/DC |
| Residual current | <= 0.6 mA (open state) |
| Switching frequency | <= 25 Hz (AC) <= 3000 Hz (DC) |
| Voltage drop | <= 5.5 V (closed) |
| Delay first up | <= 40 ms |
| Delay response | <= 0.2 ms |
| Delay recovery | <= 0.2 ms |
| Marking | CE |
| Threaded length | 40 mm |
| Height | 8 mm |
| Length | 50 mm |
| Product weight | 0.15 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 |

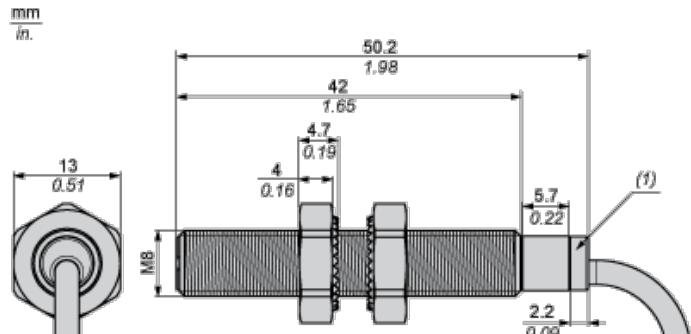
Offer Sustainability

| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0843 - 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

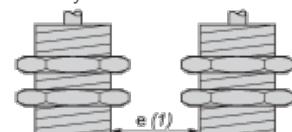
Dimensions



(1) LED

Minimum Mounting Distances

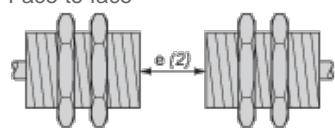
Side by side



e (1) 10 mm/0.39 in.

8

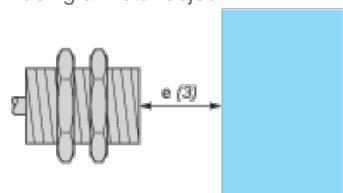
Face to face



e (2) 30 mm/1.18 in.

8

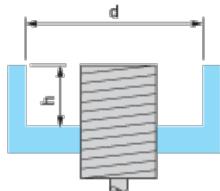
Facing a metal object



e (3) 7.5 mm/0.30 in.

≥

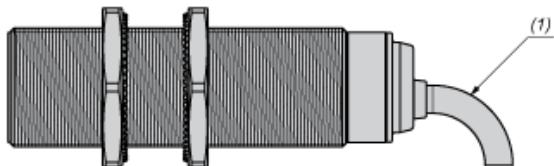
Mounted in a metal support



$d \geq 24 \text{ mm/0.94 in.}$

$h \geq 5 \text{ mm/0.20 in.}$

Mounting

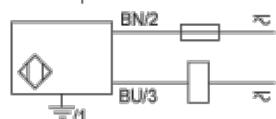


(1) Bending cable: $4 \times$ external cable diameter

Wiring Schemes

2-Wire AC or DC

NO output



BU : Blue

BN : Brown