

Product datasheet

Specifications



inductive sensor XS4 M12 - L52mm
- PPS - Sn4mm - 24..240VAC/DC -
cable 2m

Local distributor code: 21154427 XS4P12MA230

Main

| | |
|-------------------------------|--|
| Size | 52 mm |
| [Sn] nominal sensing distance | 4 mm |
| Electrical connection | Cable |
| [Us] rated supply voltage | 24...240 V AC/DC 50/60 Hz |
| Switching capacity in mA | 5...200 mA AC/DC |
| IP degree of protection | IP68 double insulation conforming to IEC 60529 |

Complementary

| | |
|--------------------------|------------------------------|
| Front material | PPS |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 20...264 V AC/DC |
| Maximum residual current | 0.6 mA open state |
| Switching frequency | <= 25 Hz AC <= 3000 Hz DC |
| Maximum voltage drop | <5.5 V (closed) |
| Marking | CE |
| Threaded length | 42 mm |
| Length | 52 mm |

Environment

| | |
|------------------------|---|
| Product certifications | CSA Ecolab UL |
| 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 |

Packing Units

| | |
|------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 62.0 g |
| Package 1 Height | 4.2 cm |

| | |
|------------------------------|----------|
| Package 1 width | 13 cm |
| Package 1 Length | 9.6 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 44 |
| Package 2 Weight | 3.223 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |
| Package 3 Height | 30 cm |

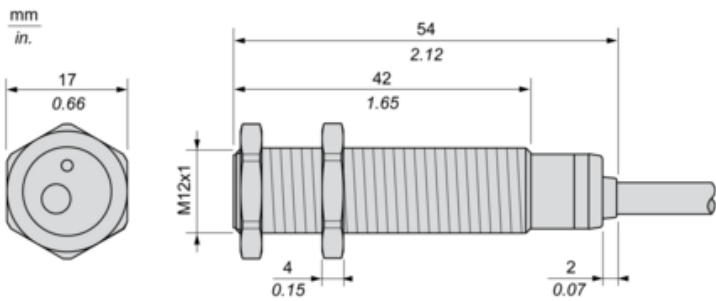
Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

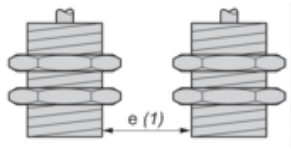
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



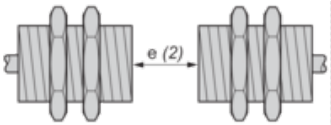
Minimum Mounting Distances

Side by side



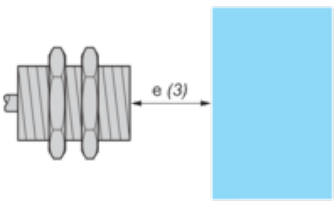
$e\ (1) \geq 16\text{ mm}/0.63\text{ in.}$

Face to face



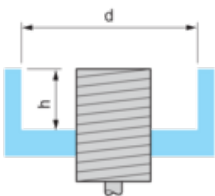
$e\ (2) \geq 48\text{ mm}/1.89\text{ in.}$

Facing a metal object



$e\ (3) \geq 12\text{ mm}/0.47\text{ in.}$

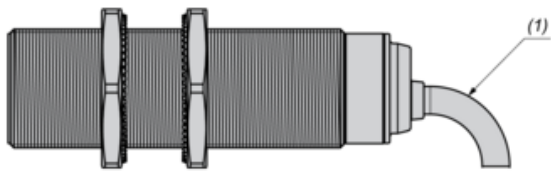
Mounted in a metal support



$d \geq 36\text{ mm}/1.42\text{ in.}$

$h \geq 8\text{ mm}/0.31\text{ in.}$

Mounting

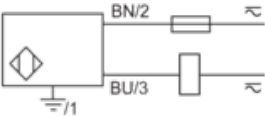


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

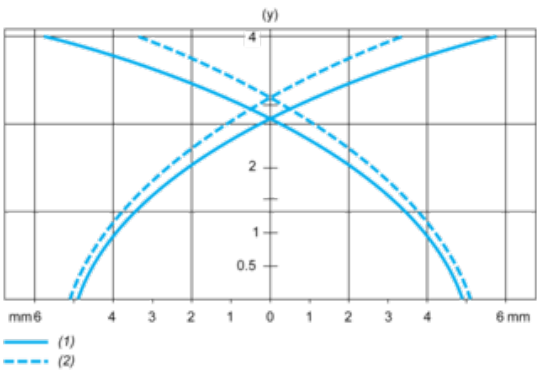
NO output



BU : Blue
BN : Brown

Performance Curves

Standard Steel Target : 12x12x1 mm



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