

Product datasheet

Specifications



Inductive proximity sensors XS, inductive sensor XS1 M30, L60mm, brass, Sn10mm, 12...24 VDC, cable 2 m

XS1M30KP340

Price* : 2,288.74 ZAR

Main

| | |
|------------------------------------|--|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS1 |
| Sensor design | Cylindrical M30 |
| Size | 64 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sn] nominal sensing distance | 10 mm |
| Discrete output function | 1 NO or 1 NC programmable |
| Output circuit type | DC |
| Discrete output type | PNP and NPN |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP68 double insulation conforming to IEC 60529 |

Complementary

| | |
|--------------------|---------------------|
| Thread type | M30 x 1.5 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0...8 mm |

* Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

| | |
|--------------------------|------------------------------|
| Differential travel | 1...15% of Sr |
| Cable composition | 4 x 0.22 mm² |
| Wire insulation material | PVC |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2.6 V (closed) |
| Current consumption | 0...10 mA no-load |
| Maximum delay first up | 5 ms |
| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.7 ms |
| Marking | CE |
| Threaded length | 51 mm |
| Length | 64 mm |
| Net weight | 0.205 kg |

Environment

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

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.1 cm |
| Package 1 Width | 9.5 cm |
| Package 1 Length | 13.0 cm |
| Package 1 Weight | 198.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 44 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 8.805 kg |

Offer Sustainability

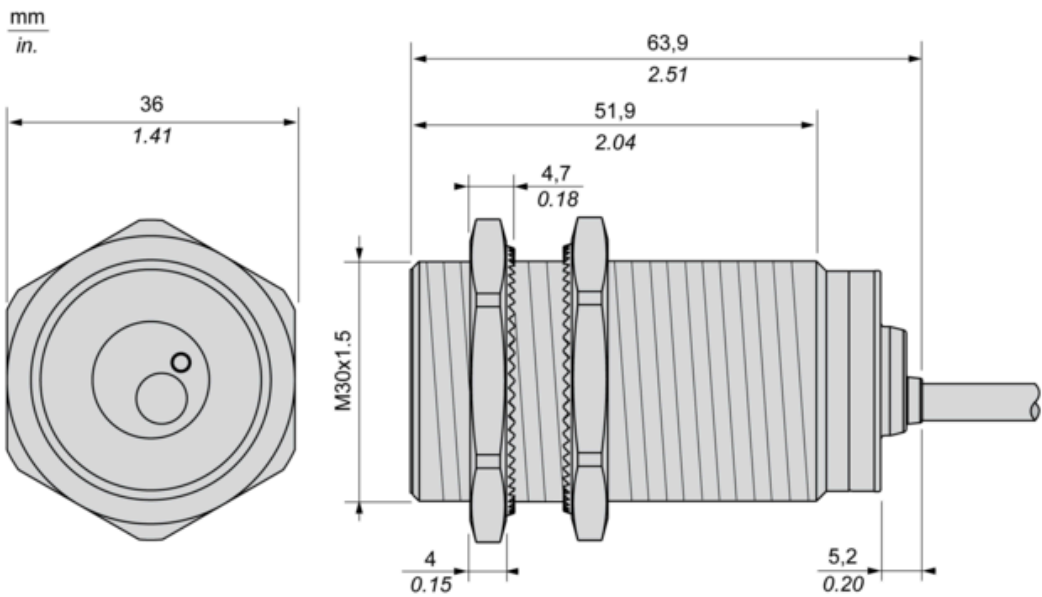
| | |
|--------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |

| | |
|----------------------------|---|
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

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

Dimensions



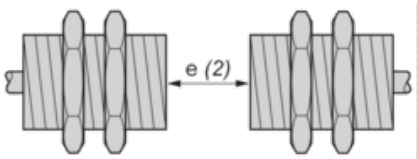
Minimum Mounting Distances

Side by side



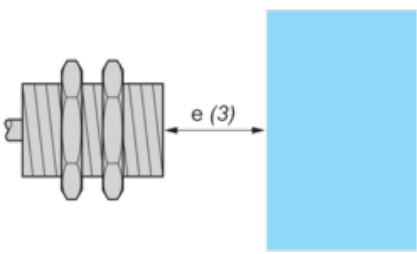
$e\ (1) \geq 20\text{ mm}/0.79\text{ in}$

Face to face



$e\ (2) \geq 120\text{ mm}/4.72\text{ in}$

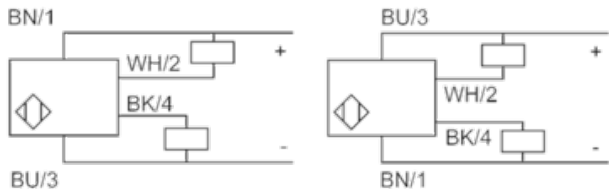
Facing a metal object



$e\ (3) \geq 30\text{ mm}/1.18\text{ in.}$

Wiring Schemes

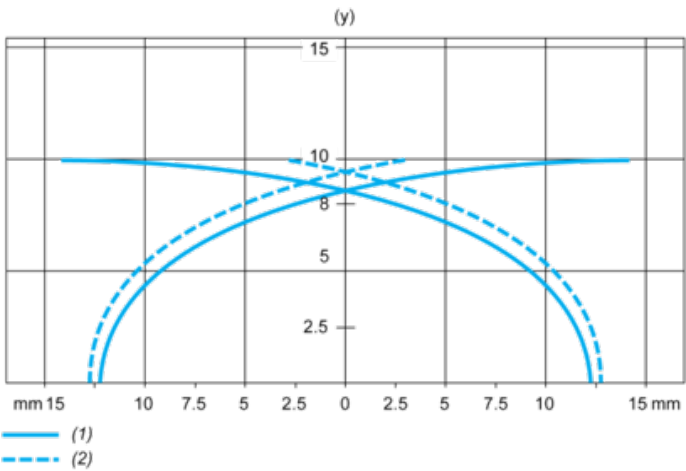
4-Wire DC, PNP/NPN, NO or NC Output



- BU** : Blue
- BN** : Brown
- BK** : Black
- WH** : White

Performance Curves

Standard Steel Target : 30x30x1 mm



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

Recommended replacement(s)