

XS1M30KP340D

inductive sensor XS1 M30 - L72mm - brass -
Sn10mm - 12..24VDC - M12



Price* : 67.38 GBP



Main

| | |
|------------------------------------|--|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS1 |
| Sensor design | Cylindrical M30 |
| Size | 72 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 | Male connector M12, 4 pins |
| [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 | IP67 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 |
| Differential travel | 1...15% of Sr |
| 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 |
| Height | 30 mm |
| Length | 72 mm |
| Product weight | 0.145 kg |

Environment

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|---------------------------------------|---|
| 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 |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| 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 |

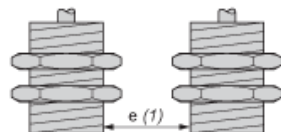
Contractual warranty

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

$$\frac{\text{mm}}{\text{in.}}$$

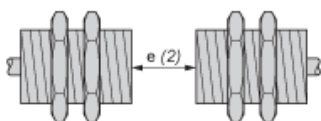

Minimum Mounting Distances

Side by side



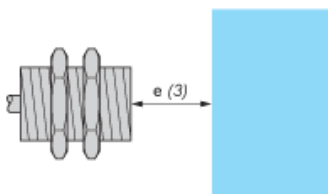
$$e (1) \geq 20 \text{ mm}/0.79 \text{ in}$$

Face to face



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

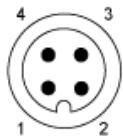
Facing a metal object



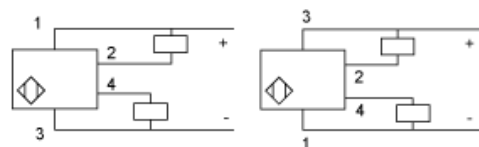
$$e (3) \geq 30 \text{ mm}/1.18 \text{ in.}$$

Wiring Schemes

M12 Connector

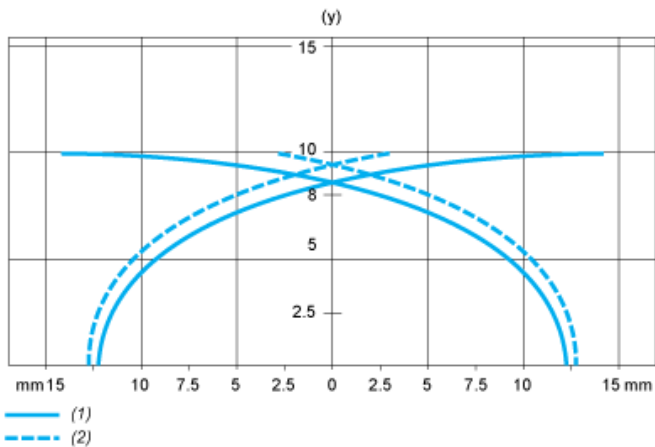


4-Wire DC, PNP/NPN, NO or NC output



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