# XS1M30KPM40

inductive sensor XS1 M30 - L60mm - stainless - Sn10mm - 12..24VDC - cable 2m

Green Premium™ Product

## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Device application | Factor 1 (Fe/Nfe) |
| Sensor name | XS1 |
| Sensor design | Cylindrical M30 |
| Size | 60 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Stainless steel |
| Enclosure material | Stainless steel : 304 CU |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sn] nominal sensing distance | 0.39 in (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 | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Switching capacity in mA | <= 200 mA overload and short-circuit protection |
| IP degree of protection | IP68 IEC 60529 |

## Complementary

| | |
|---|---|
| Thread type | M30 x 1.5 |
| Detection face | Frontal |
| Front material | PPS |
| Operating zone | 0.00…0.31 in (0…8 mm) |
| Differential travel | 1...15% of Sr |
| Repeat accuracy | 3% of Sr |
| Cable composition | 4 x 0.34 mm² |
| Wire insulation material | PvR |
| Status LED | Output state 1 LED yellow) |
| Supply voltage limits | 10…38 V DC |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2.6 V (closed) |
| Current consumption | 0...15 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 | 2.05 in (52 mm) |
| Height | 1.18 in (30 mm) |

| Length | 2.36 in (60 mm) |
|---|---|
| Net Weight | 0.45 lb(US) (0.205 kg) |

## Environment

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

## Ordering and shipping details

| Category | 22486 - SENSORS, PROXIMITY |
|---|---|
| Discount Schedule | DS2 |
| GTIN | 00785901367055 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.51 lb(US) (0.23 kg) |
| Returnability | No |
| Country of origin | FR |

## Packing Units

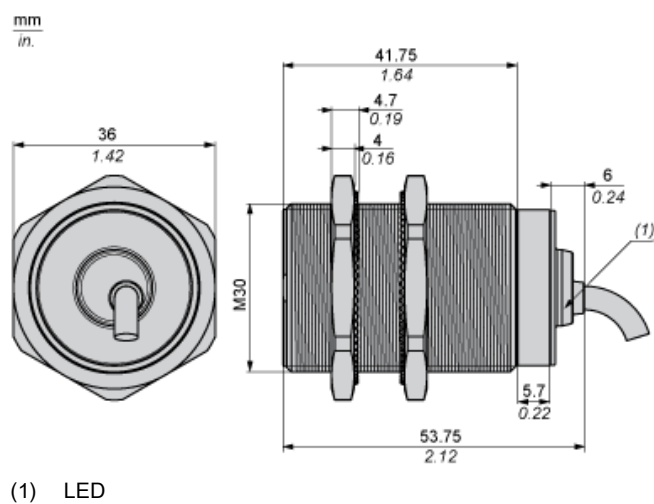| Package 1 Height | 0.420 dm |
|---|---|
| Package 1 width | 0.950 dm |
| Package 1 Length | 1.320 dm |

## Offer Sustainability

| Sustainable offer status | Green Premium product |
|---|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| 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 |
|---|---|

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XS1M30KPM40

## Dimensions



mm
in.

36
1.42

41.75
1.64

4.7
0.19

4
0.16

6
0.24

M30

(1)

5.7
0.22

53.75
2.12

(1)    LED

## Minimum Mounting Distances

Side by side

e (1)  20 mm/0.79 in
≥

Face to face

e (2)  120 mm/4.72 in
≥

Facing a metal object

e (3)  30 mm/1.18 in.
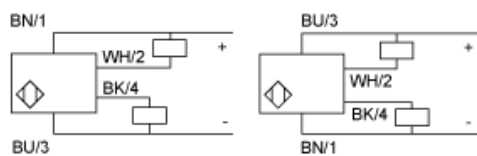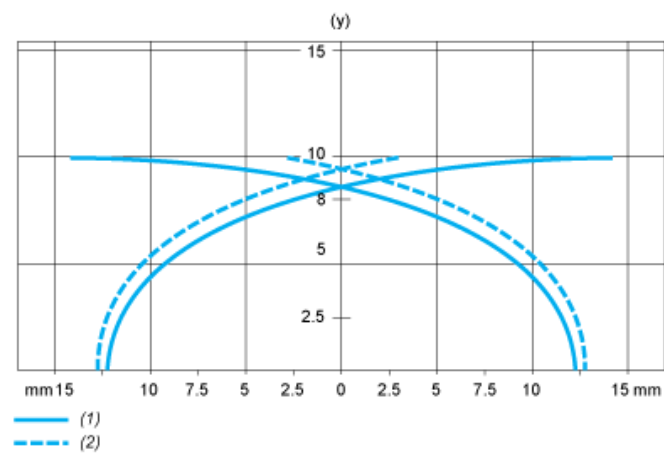≥

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## Wiring Schemes

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



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

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## 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