

# XS2M30KP340D

inductive sensor XS2 M30, L77mm, brass,  
Sn15mm, 12..24VDC, M12



## Main

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Range of Product                   | Telemecanique Inductive proximity sensors XS    |
| Series name                        | General purpose                                 |
| Sensor Type                        | Inductive proximity sensor                      |
| Sensor name                        | XS2                                             |
| Sensor design                      | Cylindrical M30                                 |
| Size                               | 75 mm                                           |
| Body type                          | Fixed                                           |
| Detector flush mounting acceptance | Non flush mountable                             |
| Material                           | Metal                                           |
| Type of output signal              | Discrete                                        |
| Wiring Technique                   | 4-wire                                          |
| [Sn] nominal sensing distance      | 0.59 in (15 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 reverse polarity protection        |
| Switching capacity in mA           | <= 200 mA 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         | 0.00...0.47 in (0...12 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        | 1.61 in (41 mm)            |
| Length                 | 2.95 in (75 mm)            |
| Net Weight             | 0.32 lb(US) (0.145 kg)     |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product Certifications                | CSA<br>UL                               |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)              |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)              |
| Vibration resistance                  | 25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27              |

## Ordering and shipping details

|                   |                          |
|-------------------|--------------------------|
| Category          | 22486-SENSORS, PROXIMITY |
| Discount Schedule | DS2                      |
| GTIN              | 3389110533514            |
| Returnability     | No                       |
| Country of origin | FR                       |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 1.65 in (4.2 cm)       |
| Package 1 Width              | 3.74 in (9.5 cm)       |
| Package 1 Length             | 2.76 in (7.0 cm)       |
| Package 1 Weight             | 4.94 oz (140.0 g)      |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 22                     |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 Width              | 5.91 in (15 cm)        |
| Package 2 Length             | 15.75 in (40 cm)       |
| Package 2 Weight             | 7.17 lb(US) (3.254 kg) |

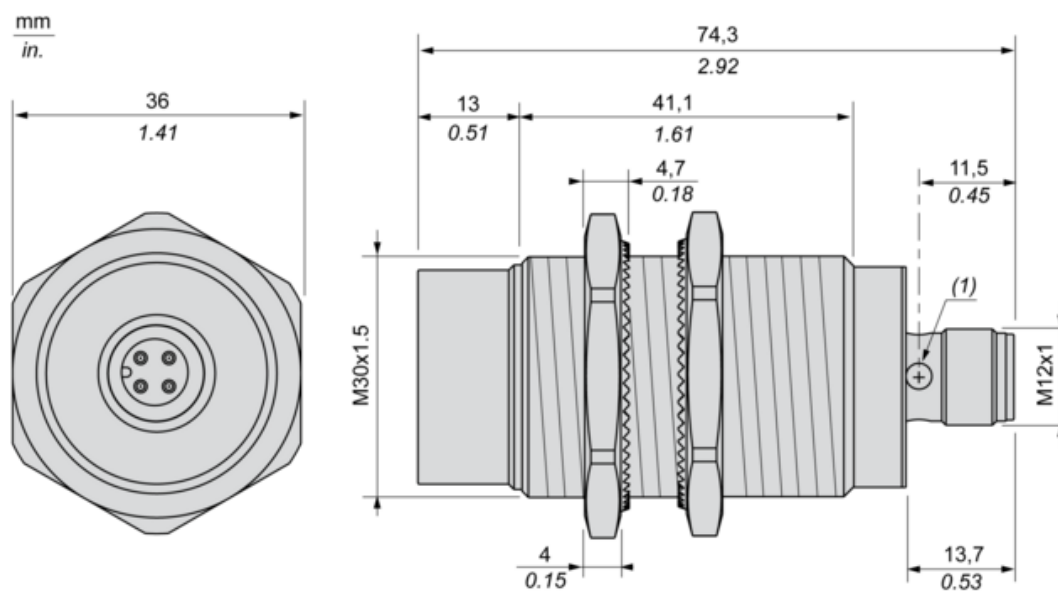
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                    |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                           |

## Contractual warranty

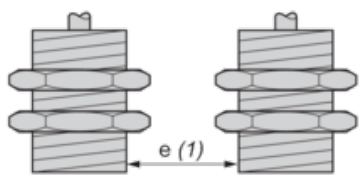
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



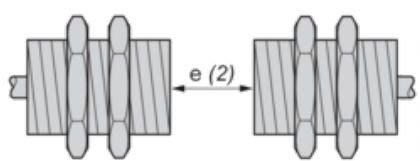
## Minimum Mounting Distances

Side by side



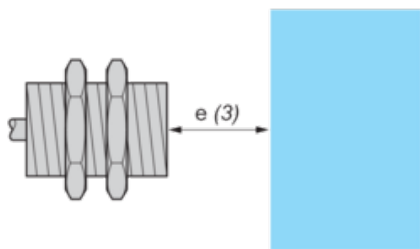
$e (1) \geq 60 \text{ mm} / 2.36 \text{ in.}$

Face to face



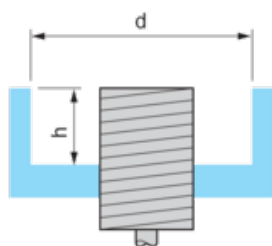
$e (2) \geq 180 \text{ mm} / 7.09 \text{ in.}$

Facing a metal object



$e (3) \geq 45 \text{ mm} / 1.77 \text{ in.}$

Mounted in a metal support

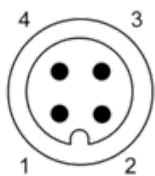


$d \geq 90 \text{ mm} / 3.54 \text{ in.}$

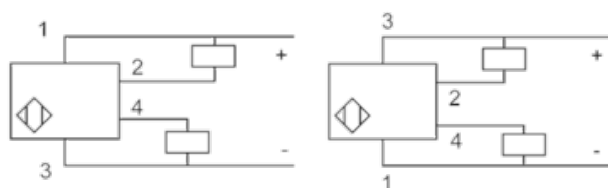
$h \geq 30 \text{ mm} / 1.18 \text{ in.}$

## Wiring Schemes

M12 Connector

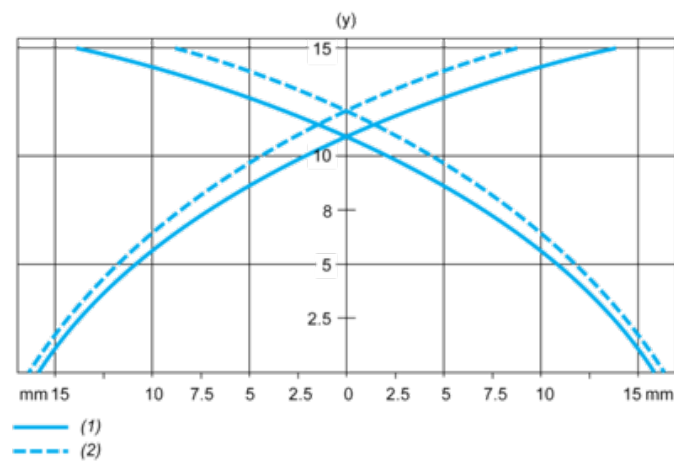


4-Wire DC, PNP/NPN, NO or NC output



## Performance Curves

Standard Steel Target : 45x45x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm