

# XS1M30KPM40

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

## Main

Range of Product	Telemecanique Inductive proximity sensors 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 conforming to 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 mm <sup>2</sup>
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
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## Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110653274
Nbr. of units in pkg.	1
Package weight(Lbs)	7.30 oz (207.0 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	5.40 lb(US) (2.45 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

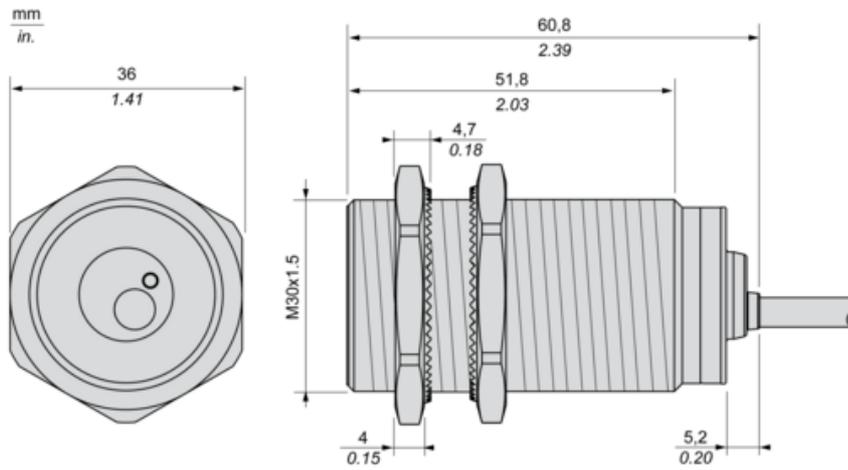
## Offer Sustainability

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

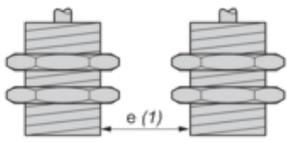
Warranty	18 months
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Dimensions



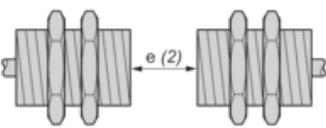
## Minimum Mounting Distances

Side by side



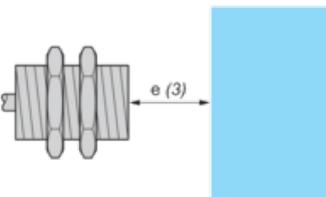
$e (1) \geq 20 \text{ mm}/0.79 \text{ in}$

Face to face



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

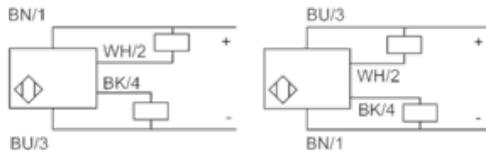
Facing a metal object



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

## Wiring Schemes

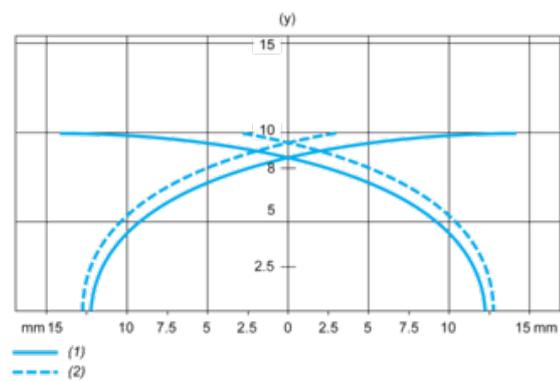
4-Wire DC, PNP/NPN, NO or NC Output



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