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	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 conforming to IEC 60529

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Operating zone	0…8 mm
Differential travel	1...15% of Sr
Repeat accuracy	3% of Sr
Cable composition	4 x 0.34 mm²
Wire insulation material	PVC
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	52 mm
Height	30 mm

Length	60 mm
Net weight	0.205 kg

Environment

Product certifications	UL[RETURN]CSA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.5 cm
Package 1 Length	13.2 cm
Package 1 Weight	207.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.45 kg

Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	End of Life Information
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

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Sensors

Dimensions

mm / in.

36 / 1.41

60,8 / 2.39

51,8 / 2.03

4,7 / 0.18

M30x1.5

4 / 0.15

5,2 / 0.20
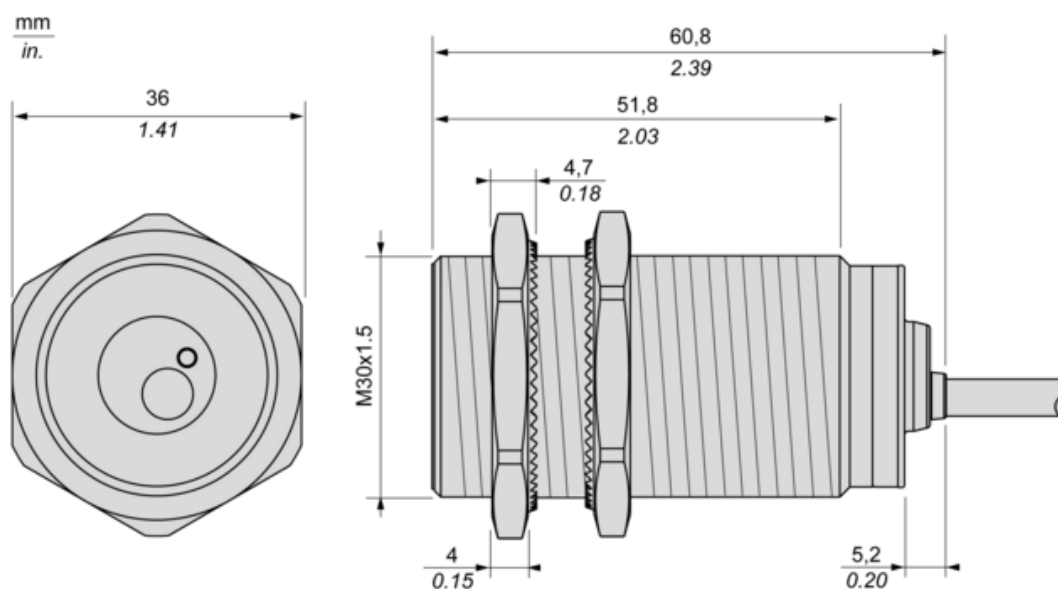
Minimum Mounting Distances

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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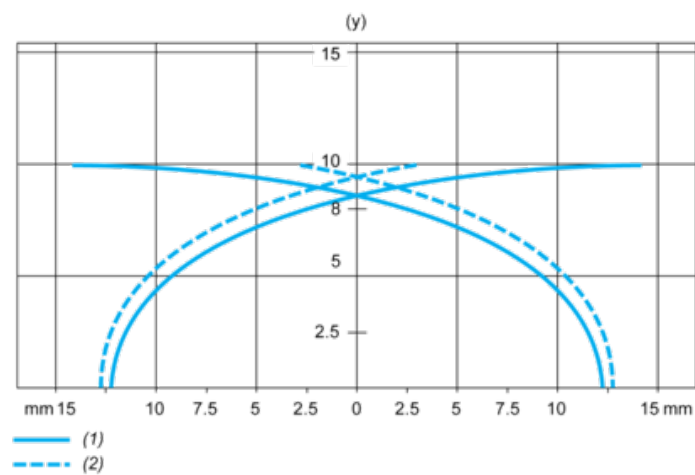**Sensors**

Wiring Schemes

4-Wire DC, PNP/NPN, NO or NC Output
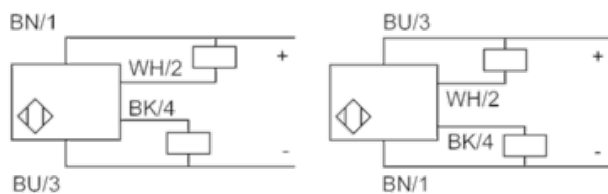
BU : Blue
BN : Brown
BK : Black
WH : White

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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

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