XS1M30KPM40LD
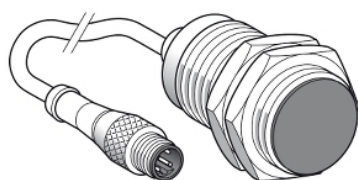
Inductive proximity sensors XS, inductive sensor XS1 M30, L60mm, stainless, Sn10mm, 12...24 VDC, M12 0.8 m

Green Premium Product

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	Remote male connector M12, 4 pins
Cable length	2.62 ft (0.8 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	IP67 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
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)

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Length	2.76 In (70 mm)
	2.36 in (60 mm)
Net Weight	0.32 lb(US) (0.145 kg)

Environment

Product Certifications	CSA
	UL

Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110705072
Nbr. of units in pkg.	1
Package weight(Lbs)	7.16 oz (203.0 g)
Returnability	No
Country of origin	FR

Packing Units

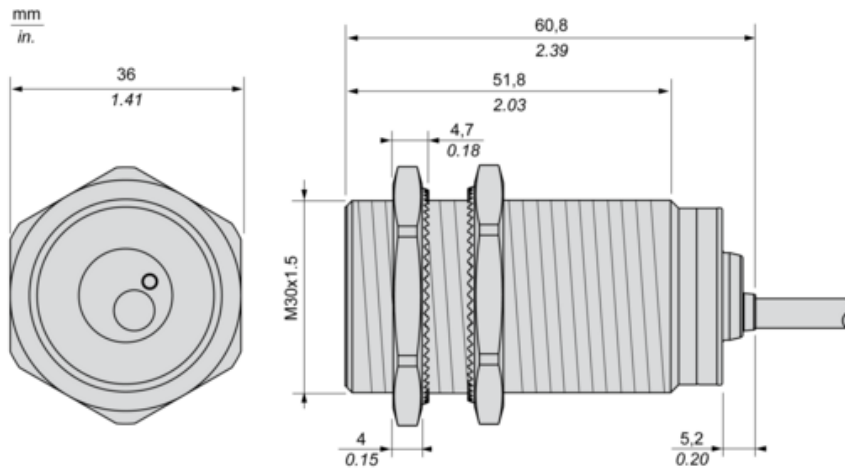| Unit Type of Package 1	PCE
Package 1 Height	1.77 in (4.5 cm)
Package 1 width	3.23 in (8.2 cm)
Package 1 Length	5.24 in (13.3 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	7.16 oz (203.0 g)
Package 2 Height	1.18 in (3 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	12
Package 3 Weight	5.87 lb(US) (2.661 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	5.91 in (15 cm)
Package 3 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 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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XS1M30KPM40LD

Dimensions

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.

Wiring Schemes

M12 Connector

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

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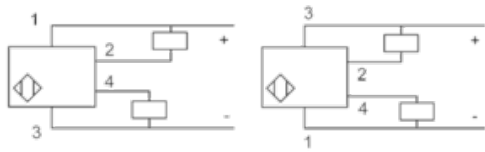
Performance Curves

Standard Steel Target : 30x30x1 mm
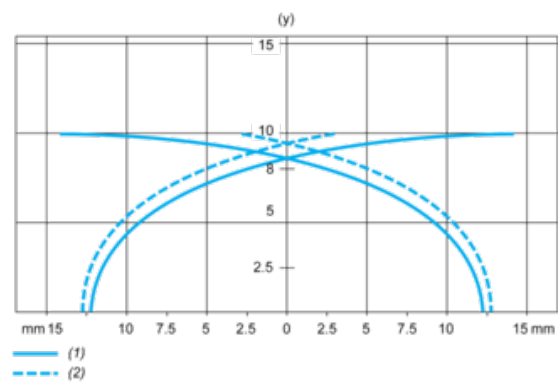
(1) Pick-up points

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

(y) Sensing distance in mm