Product datasheet

Specifications



inductive sensor XS2 M12 - L66mm - brass - Sn4mm - 12..24VDC - M12

Local distributor code: 386308811 XS2M12KP340D

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS2
Sensor design	Cylindrical M12
Size	66 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	4 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 with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0…3.2 mm
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)

Disclaimer: 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

Supply voltage limits	10…36 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2.6 V (closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	42 mm
Length	66 mm
Net weight	0.075 kg 0.025 kg

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	30.6 g
Package 1 Height	4.1 cm
Package 1 width	9.4 cm
Package 1 Length	6.5 cm
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	871.0 g
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
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

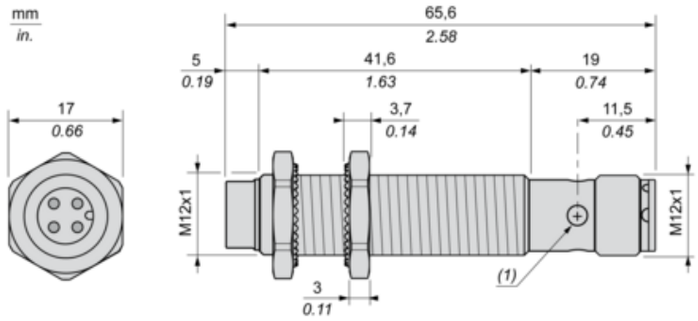
Contractual warranty

Warranty	18 months

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Dimensions Drawings

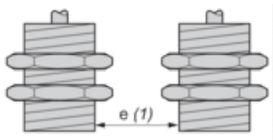
Dimensions



(1) : LED

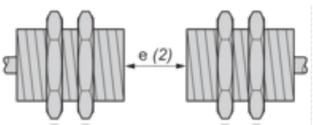
Minimum Mounting Distances

Side by side



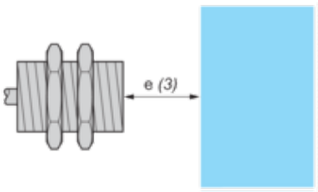
e (1) ≥ 16 mm/0.63 in.

Face to face



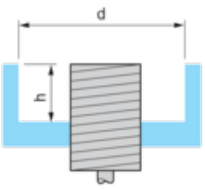
e (2) ≥ 48 mm/1.89 in.

Facing a metal object



e (3) ≥ 12 mm/0.47 in.

Mounted in a metal support



d ≥ 36 mm/1.42 in.

h ≥ 8 mm/0.31 in.

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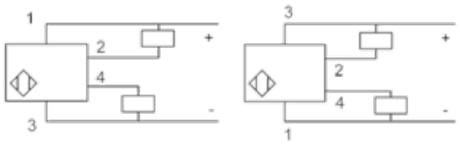
Connections and Schema

Wiring Schemes

M12 Connector

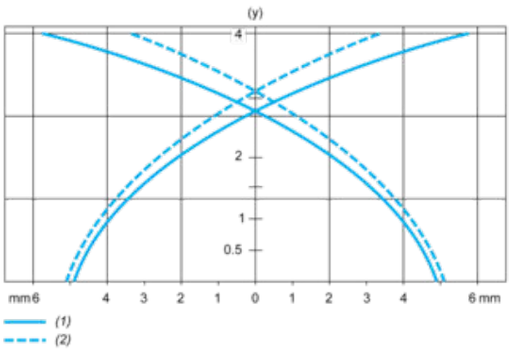


4-Wire DC, PNP/NPN, NO or NC output



Performance Curves

Standard Steel Target : 12x12x1 mm



(1) Pick-up points

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

(y) Sensing distance in mm