

# Product data sheet

## Characteristics

# XS2M30MA250L1

Inductive proximity sensors XS, inductive sensor XS2 M30, L63mm, brass, Sn15mm, 24...240VAC/DC, cable 5 m



### Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Wiring configuration	2-wire
Output circuit type	AC/DC
Protection type	Short-circuit protection multi voltage
Device Application	2-wire DC short-circuit protection
Sensor name	XS2
Sensor design	Cylindrical M30
Size	63 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring Technique	2-wire
[Sn] nominal sensing distance	0.59 in (15 mm)
Discrete output function	1 NO
Electrical connection	Cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	24...210 V DC 24...240 V AC 50/60 Hz
Switching capacity in mA	5...300 mA AC overload and short-circuit protection 5...200 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation 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
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state 1 LED yellow) Supply on 1 LED green)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 1000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V closed state)
Maximum delay first up	70 ms
Maximum delay response	2 ms
Maximum delay recovery	10 ms
Marking	CE

Threaded length	1.61 in (41 mm)
Length	2.48 in (63 mm)
Net Weight	0.45 Lb(US) (0.205 kg) 0.72 lb(US) (0.325 kg)

## Environment

Product Certifications	UL CSA CCC
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 60068-2-7

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110918236
Nbr. of units in pkg.	1
Package weight(Lbs)	9.77 oz (277 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.60 in (6.6 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Weight	9.29 lb(US) (4.215 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 3 Height	5.91 in (15 cm)

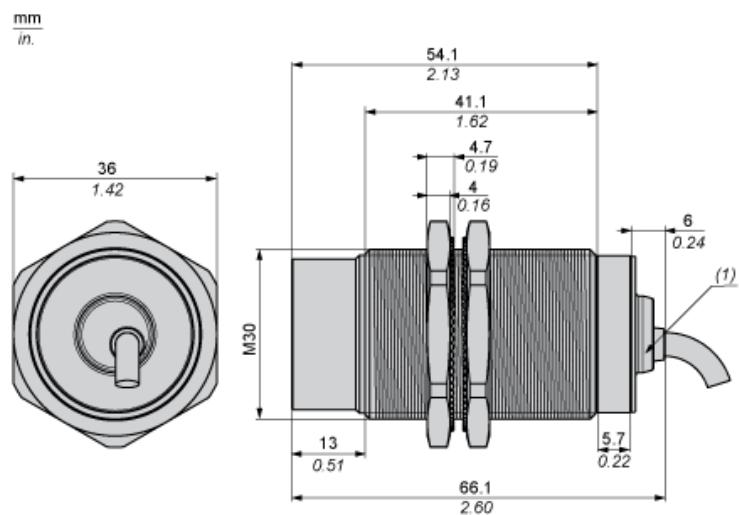
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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	 Yes
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



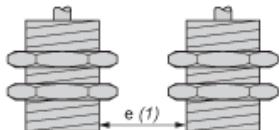
(1) LED

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### Minimum Mounting Distances

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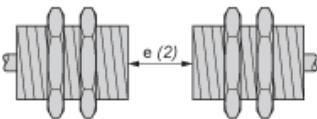
Side by side



e (1) 60 mm/2.36 in.

≥

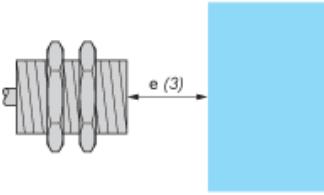
Face to face



e (2) 180 mm/7.09 in.

≥

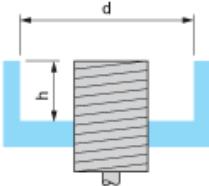
Facing a metal object



e (3) 45 mm/1.77 in.

≥

Mounted in a metal support



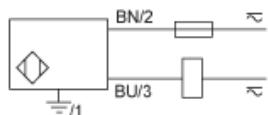
d ≥ 90 mm/3.54 in.

h ≥ 30 mm/1.18 in.

## Wiring Schemes

## 2-Wire AC or DC

NO output



BU : Blue

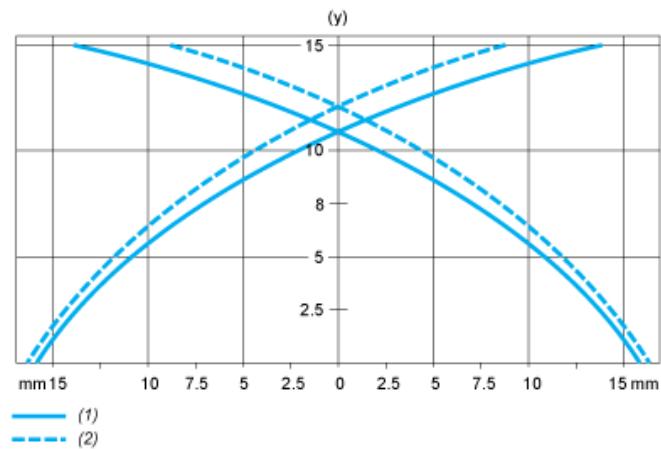
BU : Blue  
BN : Brown

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Performance Curves

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Standard Steel Target : 45x45x1 mm



(1) Pick-up points  
(2) Drop-out points (object approaching from the side)  
(y) Sensing distance in mm

# Mouser Electronics

Authorized Distributor

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[XS2M30MA250L1](#)