

# XS1M18MB250

inductive sensor XS1 M18 - L60mm - brass - Sn5mm - 24..240VAC/DC - cable 2m



Product availability: Stock - Normally stocked in distribution facility



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Wiring configuration	2-wire
Output circuit type	AC/DC
Protection type	Short-circuit protection
Device application	2-wire DC short-circuit protection
Sensor name	XS1
Sensor design	Cylindrical M18
Size	60 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	0.20 in (5 mm)
Discrete output function	1 NC
Electrical connection	Cable
Cable length	6.56 ft (2 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 IEC 60529

## Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.00...0.16 in (0...4 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)
Maximum residual current	1.5 mA open state
Switching frequency	<= 2000 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	4 ms
Marking	CE
Threaded length	2.01 in (51 mm)

Height	0.71 in (18 mm)
Length	2.36 in (60 mm)
Net weight	0.26 lb(US) (0.12 kg)

## Environment

Product certifications	CCC CSA UL
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	00785901915768
Package weight(Lbs)	0.12 kg (0.27 lb(US))
Returnability	Yes
Country of origin	FR

## Offer Sustainability

Sustainable offer status	Green Premium product
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



(1) LED

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### Minimum Mounting Distances

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Side by side



e (1) 10 mm/0.39 in.

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Face to face



e (2) 60 mm/2.36 in.

≥

Facing a metal object



e (3) 15 mm/0.60 in.

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### Mounting

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(1) Bending cable: 4 x external cable diameter

## Wiring Schemes

### 2-Wire AC or DC

NC output



BU : Blue  
BN : Brown

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Performance Curves

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Standard Steel Target : 18x18x1 mm



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