

## Product data sheet

### Characteristics

# XS518BSDBM12

inductive sensor XS5 M18 - L50mm - brass -  
Sn5mm - 12..24VDC - M12

Product availability : Non-Stock - Not normally stocked in distribution facility



Price\* : 101.93 USD



### Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M18
Size	50 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
Output circuit type	DC
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	1.5...100 mA DC overload and short-circuit protection
IP degree of protection	IP67 IEC 60529 IP69K DIN 40050

### Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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Enclosure material	Nickel plated brass
Operating zone	0.00...0.16 in (0...4 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 3000 Hz
Maximum voltage drop	<4 V closed)
Maximum delay first up	10 ms
Maximum delay response	0.15 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	1.10 in (28 mm)
Height	0.71 in (18 mm)
Length	1.97 in (50 mm)

## Environment

Product certifications	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 60068-2-27

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389119046138
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	1.61 in (4.1 cm)
Package 1 Length	3.70 in (9.4 cm)

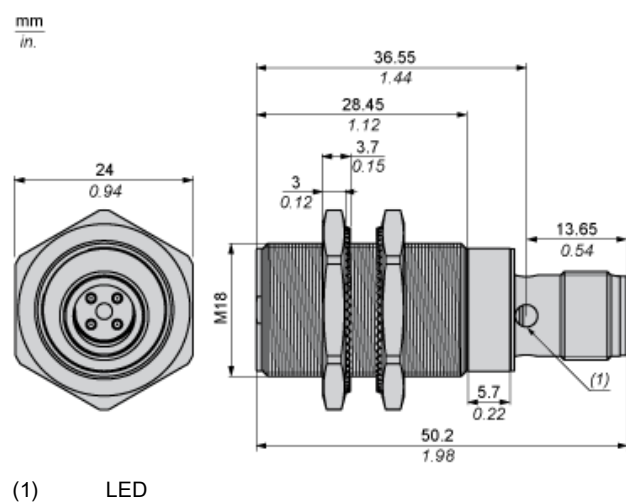
## Offer Sustainability

Sustainable offer status	Green Premium product
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



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Minimum Mounting Distances

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Side by side



$e (1) \geq 10 \text{ mm}/0.39 \text{ in.}$

Face to face



$e (2) \geq 60 \text{ mm}/2.36 \text{ in.}$

Facing a metal object



$e (3) \geq 15 \text{ mm}/0.60 \text{ in}$

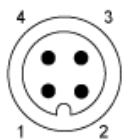
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## Wiring Schemes

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### 2-Wire Non-polarised

M12 connector

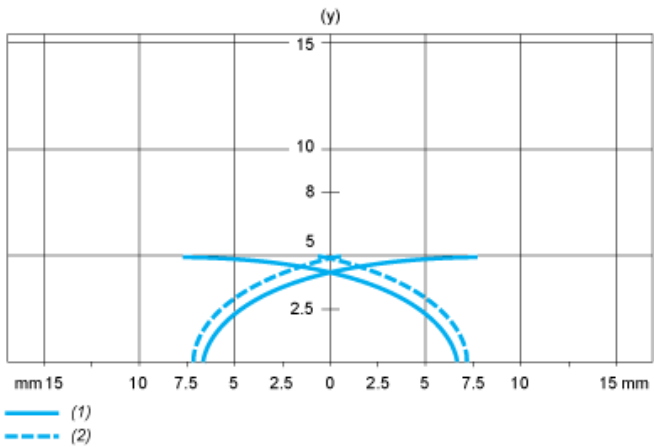


NC output



Performance Curves

Standard Steel Target : 18x18x1 mm



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