

Product data sheet

Characteristics

XS518B1DBL5

inductive sensor XS5 M18 - L62mm - brass -
Sn5mm - 12..48VDC - cable 5m

Price* : 93.33 USD



(!) Discontinued

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	56 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	cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	12..48 V DC
Switching capacity in mA	1.5...100 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation IEC 60529 IP69K DIN 40050

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

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 ²

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

Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...58 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	2.05 in (52 mm)
Height	0.71 in (18 mm)
Length	2.44 in (62 mm)
Net weight	0.53 lb(US) (0.24 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 60068-2-27

Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389110129366
Package weight(Lbs)	0.43 lb(US) (0.195 kg)
Returnability	No
Country of origin	FR

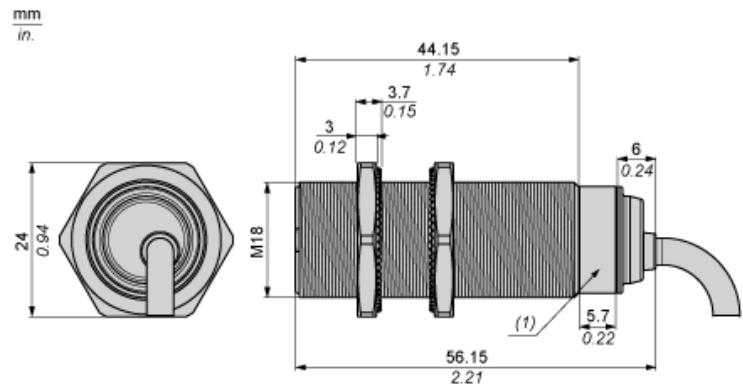
Packing Units

Package 1 Height	1.480 dm
Package 1 width	0.800 dm
Package 1 Length	0.820 dm

Contractual warranty

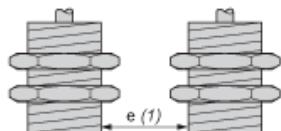
Warranty	18 months
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Dimensions



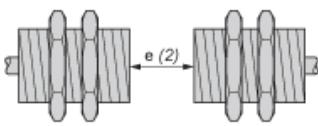
Minimum Mounting Distances

Side by side



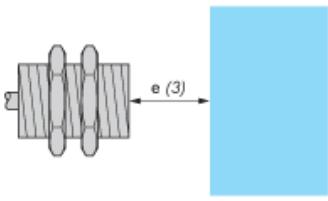
$e (1) \geq 10 \text{ mm/0.39 in.}$

Face to face



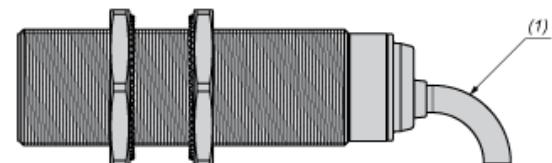
$e (2) \geq 60 \text{ mm/2.36 in.}$

Facing a metal object



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

Mounting

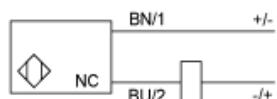


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

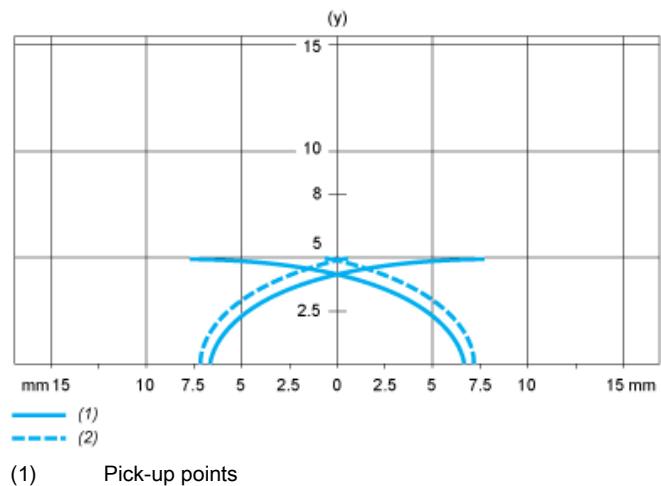
NC output



BU : Blue
BN : Brown

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