

Product data sheet

Characteristics

XS618B1NBL5

inductive sensor XS6 M18 - L62mm - brass -
Sn8mm - 12..48VDC - cable 5m

Price* : 87.60 USD



(!) Discontinued

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS6
Sensor design	Cylindrical M18
Size	62 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.31 in (8 mm)
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	12..48 V DC reverse polarity protection
Switching capacity in mA	<= 200 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
Sensing range	> 0.16..0.31 in (> 4..8 mm)
Operating zone	0.00...0.25 in (0...6.4 mm)

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

Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...58 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Threaded length	2.05 in (52 mm)
Length	2.44 in (62 mm)
Net weight	0.53 lb(US) (0.24 kg)

Environment

Product certifications	UL CSA E2
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	03389110133301
Package weight(Lbs)	0.39 lb(US) (0.175 kg)
Returnability	No
Country of origin	FR

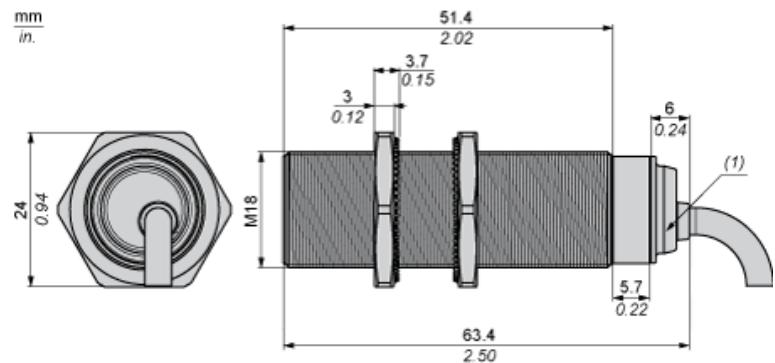
Packing Units

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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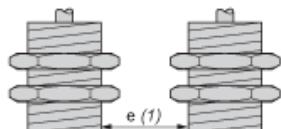
Dimensions



(1) LED

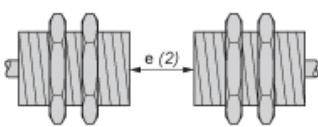
Minimum Mounting Distances

Side by side



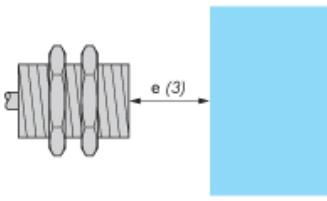
$e (1) \geq 16 \text{ mm/0.63 in.}$

Face to face



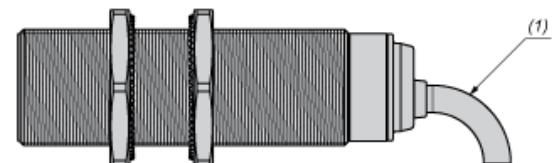
$e (2) \geq 100 \text{ mm/3.94 in.}$

Facing a metal object



$e (3) \geq 25 \text{ mm/0.98 in}$

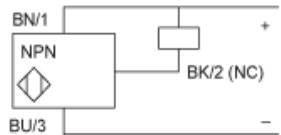
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

NPN



BU : Blue

BN : Brown

BK : Black