

# Product data sheet

## Characteristics

# XS630B1NBL2

inductive sensor XS6 M30 - L62mm - brass -  
Sn15mm - 12..48VDC - cable 2m

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



Price\* : 85.96 USD



### 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 M30
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	0.59 in (15 mm)
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	6.56 ft (2 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

### Complementary

Thread type	M30 x 1.5
-------------	-----------

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

Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Sensing range	> 0.31...0.59 in (> 8...15 mm)
Operating zone	0.00...0.47 in (0...12 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...58 V DC
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.6 ms
Maximum delay recovery	1.4 ms
Marking	CE
Threaded length	2.05 in (52 mm)
Length	2.44 in (62 mm)
Net weight	0.46 lb(US) (0.21 kg)

## Environment

Product certifications	CSA UL 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	00785901521181
Nbr. of units in pkg.	1
Package weight(Lbs)	0.47 lb(US) (0.21 kg)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.61 in (4.1 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	7.58 oz (215 g)
Package 2 Height	1.38 in (3.5 cm)
Package 2 width	9.84 in (25 cm)
Package 2 Length	7.87 in (20 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	22

Package 3 Weight	11.30 lb(US) (5.124 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

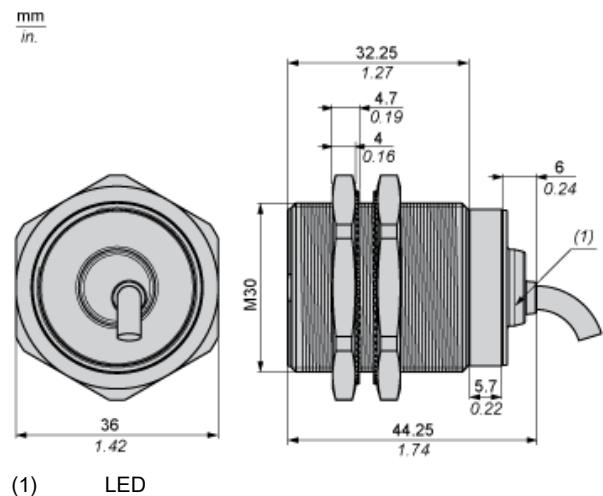
### Offer Sustainability

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
----------	-----------

Dimensions

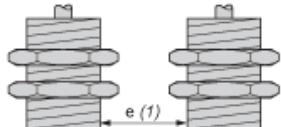


---

### Minimum Mounting Distances

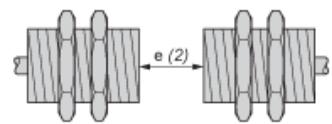
---

Side by side



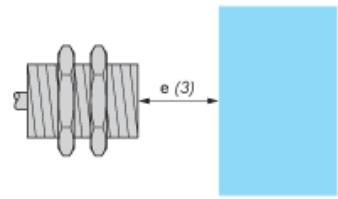
$e (1) \geq 30 \text{ mm/1.18 in.}$

Face to face



$e (2) \geq 180 \text{ mm/7.09 in.}$

Facing a metal object



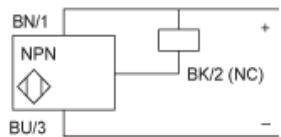
$e (3) \geq 45 \text{ mm/1.77 in.}$

---

### Wiring Schemes

---

NPN



BU : Blue

BN : Brown

BK : Black