

Product data sheet

Characteristics

XS530B1MBU20

inductive sensor XS5 M30 - L73mm - brass - Sn10mm - 24..240VAC/DC - 1/2"

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



Price* : 153.50 USD



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M30
Size	73 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	0.39 in (10 mm)
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	3 pins 1/2"20 UNF male connector
[Us] rated supply voltage	24...240 V AC/DC reverse polarity protection
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP67 IEC 60529 IP69K DIN 40050

Complementary

Thread type	M30 x 1.5
Detection face	Frontal

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

Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.00...0.31 in (0...8 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	0.8 mA open state
Switching frequency	<= 25 Hz AC <= 500 Hz DC
Maximum voltage drop	<5.5 V closed)
Maximum delay first up	25 ms
Maximum delay response	0.5 ms
Maximum delay recovery	2 ms
Marking	CE
Threaded length	2.05 in (52 mm)
Height	1.18 in (30 mm)
Length	2.87 in (73 mm)
Net weight	0.36 lb(US) (0.165 kg)

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	00785901702030
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)

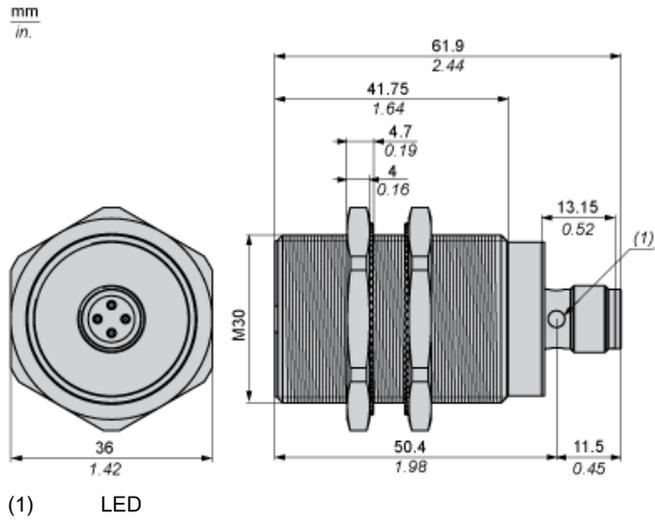
Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

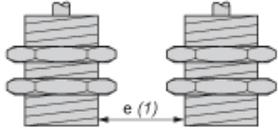
Warranty	18 months
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Dimensions



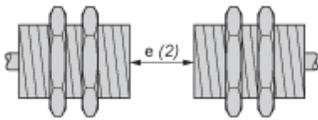
Minimum Mounting Distances

Side by side



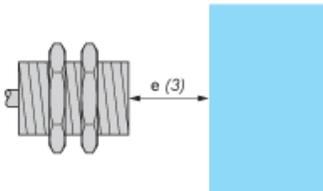
$e (1) \geq 30 \text{ mm}/1.18 \text{ in.}$

Face to face



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

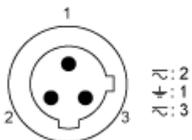
Facing a metal object



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

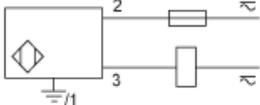
Wiring Schemes

1/2"-20UNF



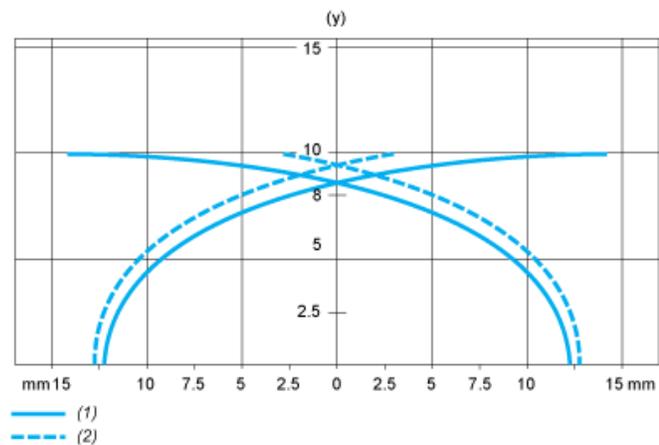
- 1 : Grounding
- 2 : AC
- 3 : AC

NC output



Performance Curves

Standard Steel Target : 30x30x1 mm



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