

Product data sheet

Characteristics

XS530B1NBM12

inductive sensor XS5 M30 - L55mm - brass -
Sn10mm - 12..24VDC - M12

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



Price* : 121.58 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	55 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	0.39 in (10 mm)
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA DC overload and short-circuit protection
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.

Aug 16, 2020

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	10...36 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	1.26 in (32 mm)
Height	1.18 in (30 mm)
Length	2.17 in (55 mm)
Net weight	0.32 lb(US) (0.145 kg)

Environment

Product certifications	UL CSA
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	00785901505136
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

Packing Units

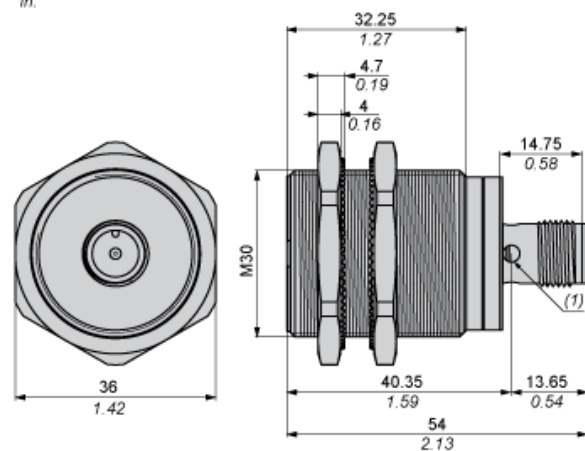
Unit Type of Package 1	PCE
Package 1 Height	2.56 in (6.5 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	1.61 in (4.1 cm)

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

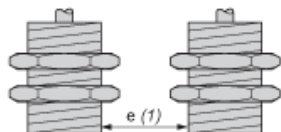
Warranty	18 months
----------	-----------

$$\frac{\text{mm}}{\text{in.}}$$


(1) LED

Minimum Mounting Distances

Side by side



$$e (1) \geq 20 \text{ mm}/0.79 \text{ in}$$

Face to face



$$e (2) \geq 120 \text{ mm}/4.72 \text{ in}$$

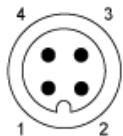
Facing a metal object



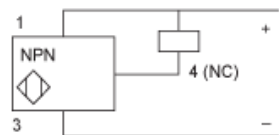
$$e (3) \geq 30 \text{ mm}/1.18 \text{ in.}$$

Wiring Schemes

M12 connector



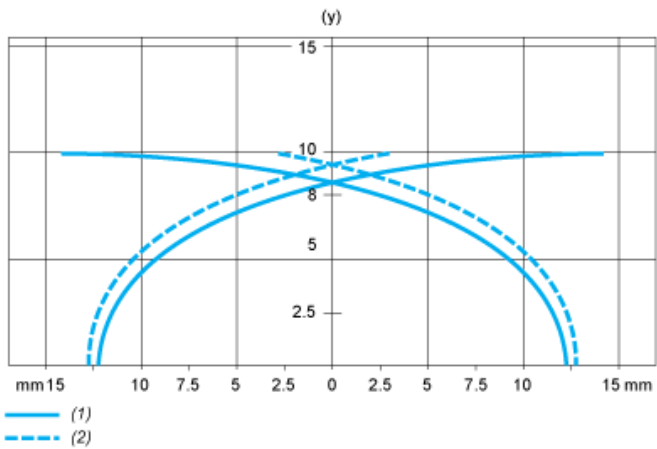
NPN



- 1 : (+)
- 2 : NC Output
- 3 : (-)
- 4 : Not connected

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