Product data sheet
Characteristics

XS630B5PAM12

inductive sensor XS6 M30 - L74mm - brass - Sn30mm - 12..48VDC - M12

Green Premium™

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	74 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	1.18 in (30 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC overload and short-circuit protection
IP degree of protection	IP65 IEC 60529 IP67 DIN 40050 IP69K

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS

Enclosure material	Nickel plated brass
Sensing range	> 15...40 mm
Operating zone	0.00…0.94 in (0…24 mm)
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…58 V DC
Switching frequency	<= 500 Hz DC
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.6 ms
Maximum delay recovery	1.4 ms
Marking	CE
Threaded length	1.54 in (39 mm)
Length	2.91 in (74 mm)
Net weight	0.32 lb(US) (0.145 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	5.22 oz (148 g)
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	2.56 in (6.5 cm)
Package 1 Length	3.74 in (9.5 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
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

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XS630B5PAM12

Dimensions

With M12 Connector
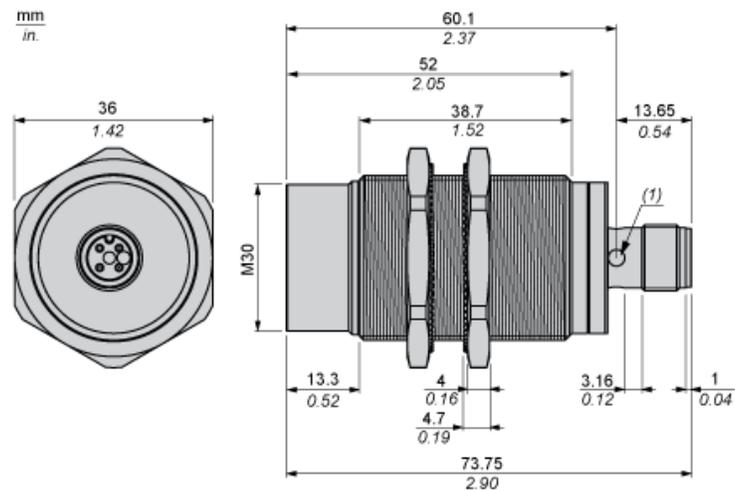
(1)   Yellow LED (Output state indication)

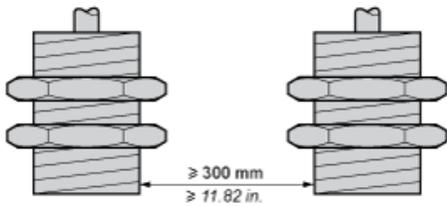## Mounting and Clearance

Minimum Mounting Distances

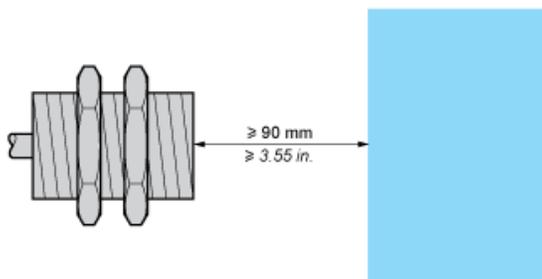Side by Side

≥ 300 mm
≥ 11.82 in.

Face to Face

≥ 300 mm
≥ 11.82 in.
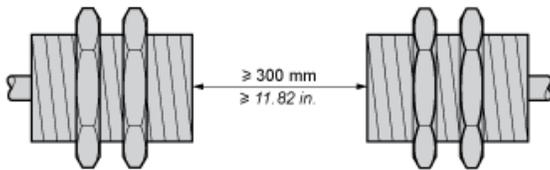
Facing a Metal Object

≥ 90 mm
≥ 3.55 in.

Mounted in a Metal Support

≥ 90 mm
≥ 3.55 in.

≥ 35 mm
≥ 1.38 in.

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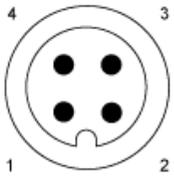
XS630B5PAM12
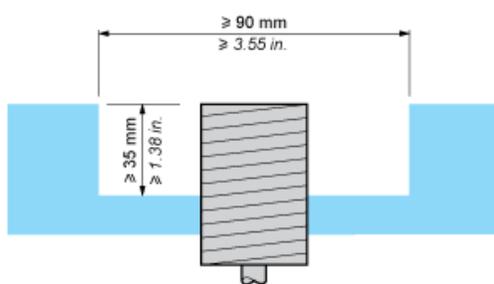
Connection and Schema

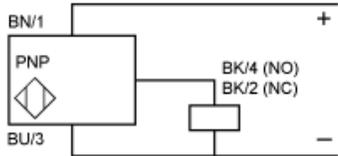### Wiring Schemes

M12 connector

Connection and Schema

Wiring Schemes

PNP 3-wire

BN :	Brown
BK :	Black
BU :	Blue

Performance Curves

Standard Steel Target: 45 x 45 x 1 mm

Operating zone: 0…24 mm
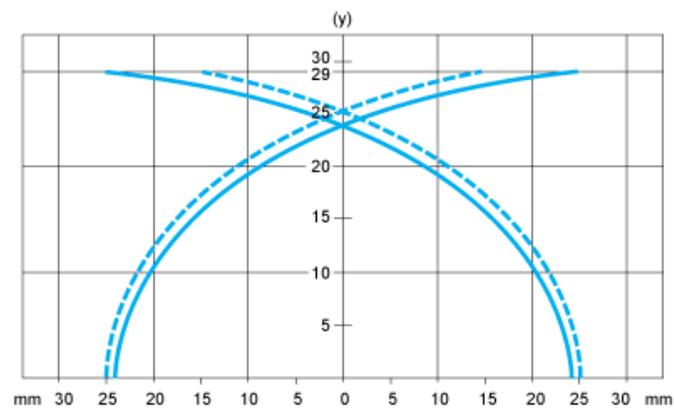
(y)   Sensing distance in mm

(1)   Pick-up points

(2)   Drop-out points (object approaching from the side)