

XS630B5PBM12

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



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	30 mm
Discrete output function	1 NC
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 with overload and short-circuit protection
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to 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...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	39 mm
Length	74 mm
Net weight	0.145 kg

Environment

Product certifications	CSA E2 UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

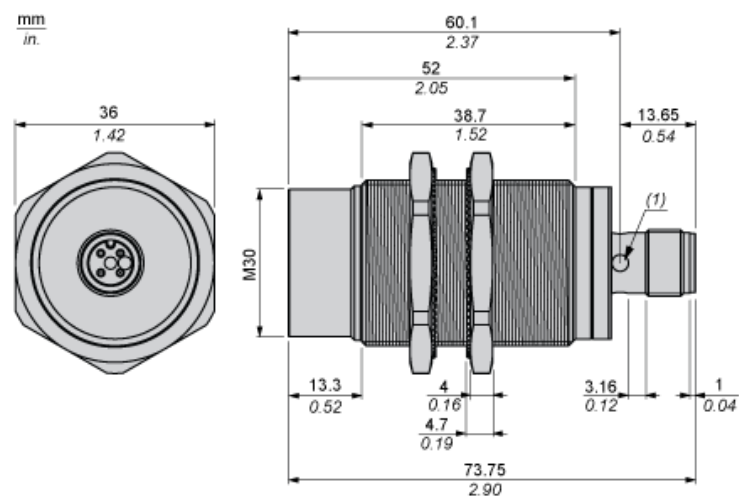
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	150 g
Package 1 Height	4.1 cm
Package 1 width	6.4 cm
Package 1 Length	9.6 cm
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	1.83 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 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

Dimensions

With M12 Connector

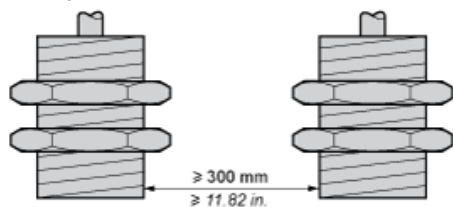


(1) Yellow LED (Output state indication)

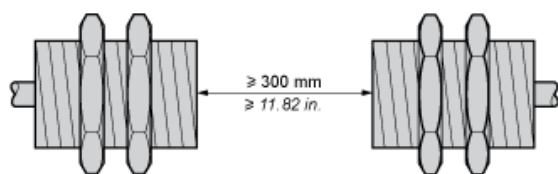
Mounting and Clearance

Minimum Mounting Distances

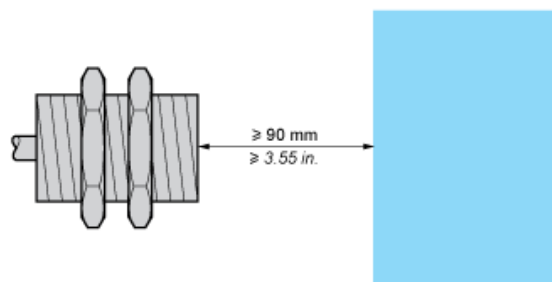
Side by Side



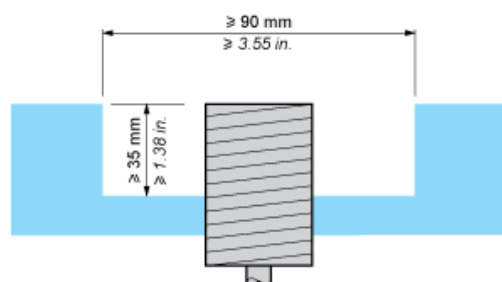
Face to Face



Facing a Metal Object



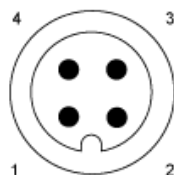
Mounted in a Metal Support



Connection and Schema

Wiring Schemes

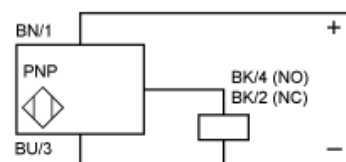
M12 connector



Connection and Schema

Wiring Schemes

PNP 3-wire



BN : Brown

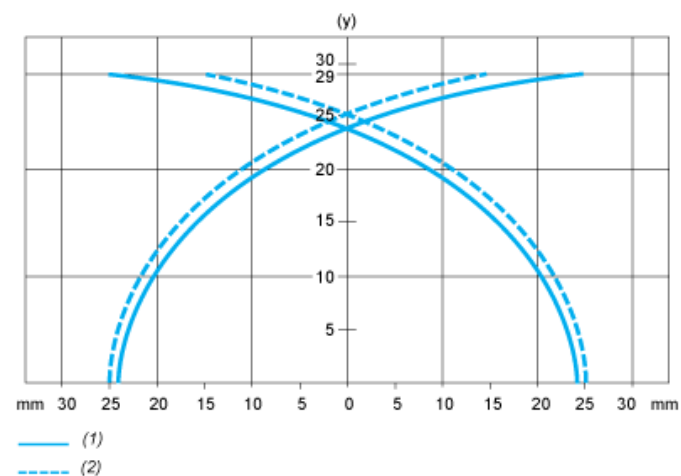
BK : Black

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)