

XS130BLNAL3

inductive sensor XS1 M30 - L57mm - brass -
Sn10mm - 12..24VDC - cable 3m



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M30
Size	57 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	10 mm
Discrete output function	1 NO
Discrete output type	NPN
Electrical connection	Cable
Cable length	3 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

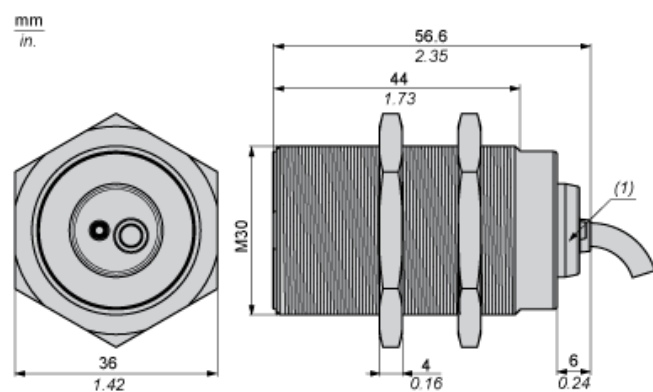
ISO thread	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Operating zone	0...8 mm
Differential travel	1...15% of Sr
Output circuit type	DC
Cable composition	3 x 0.14 mm ²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.1 ms
Maximum delay recovery	1 ms
Marking	CE
Threaded length	44 mm
Height	30 mm
Length	57 mm
Net weight	0.11 kg

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Environment

Product certifications	UL CSA
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

Dimensions



Minimum Mounting Distances

Side by side



e (1) 20 mm/0.79 in

≥

Face to face



e (2) 120 mm/4.72 in

≥

Facing a metal object

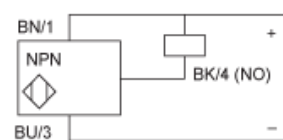


e (3) 30 mm/1.18 in.

≥

Wiring Schemes

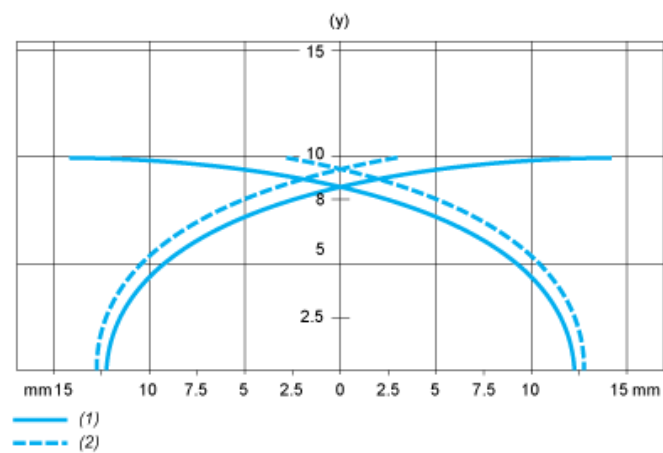
NPN



BU : Blue
BN : Brown
BK : Black

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