XS230BLNAL7

inductive sensor XS2 M30 - L57mm - brass - Sn15mm - 12..24VDC - cable 7m

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS2
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	15 mm
Discrete output function	1 NO
Discrete output type	NPN
Electrical connection	Cable
Cable length	7 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

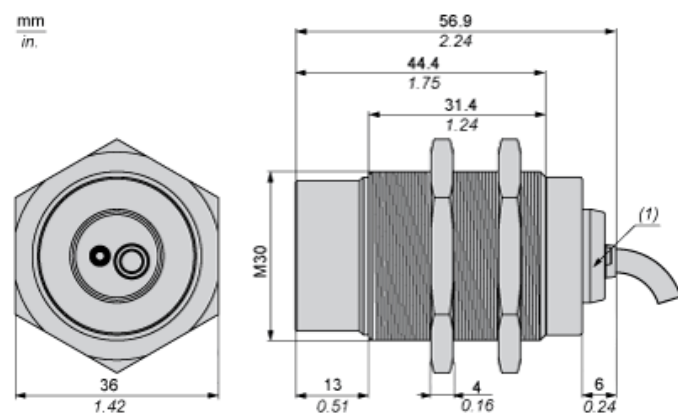|	
ISO thread	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Front material	PBT
Operating zone	0…12 mm
Differential travel	1...15% of Sr
Output circuit type	DC
Cable composition	3 x 0.14 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 300 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.2 ms
Maximum delay recovery	1.4 ms
Marking	CE
Threaded length	32 mm
Height	30 mm
Length	57 mm
Net weight	0.32 kg

Environment

Product certifications	CSA 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

Package 1 Weight	275.000 g
Package 1 Height	350.000 mm
Package 1 width	150.000 mm
Package 1 Length	40.000 mm

Telemecanique
Sensors

Dimensions

(1)   LED

Minimum Mounting Distances

Side by side

e (1) 60 mm/2.36 in.
≥

Face to face

e (2) 180 mm/7.09 in.
≥

Facing a metal object

e (3) 45 mm/1.77 in.
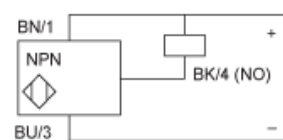≥

Mounted in a metal support

d ≥   90 mm/3.54 in.
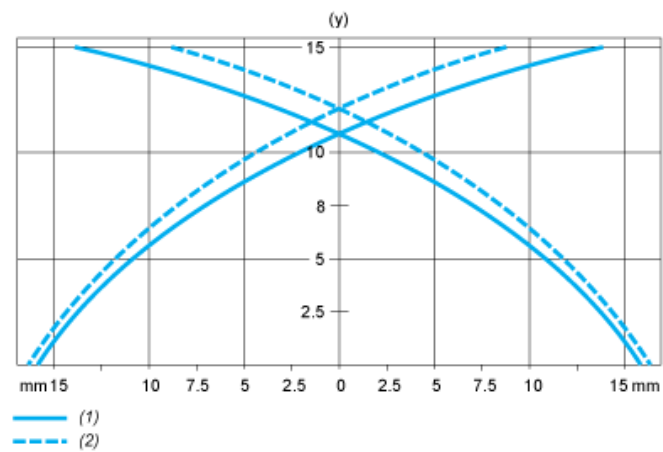h ≥   30 mm/1.18 in.

Wiring Schemes

NPN

BU : Blue
BN : Brown
BK : Black

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Performance Curves

Standard Steel Target : 45x45x1 mm

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