

XS4P30NB370L1

inductive sensor XS4 M30 - L62mm - PPS -
Sn15mm - 12..48VDC - cable 5m

Product Life Status : **END OF STANDARD SERVICE**

TODAY
FEB 21, 2021

End of Commercialization
DEC 08, 2020

End of Standard Service
DEC 08, 2020



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS4
Sensor design	Cylindrical M30
Size	62 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	15 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	5 m
[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	IP68 double insulation conforming to IEC 60529

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Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	0...12 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR

Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...58 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...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	52 mm
Height	30 mm
Length	62 mm
Net weight	0.26 kg

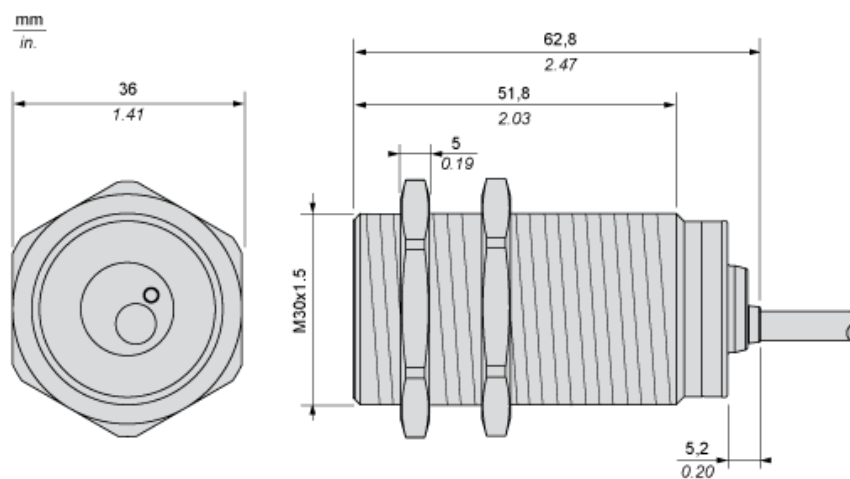
Environment

Product certifications	CCC 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

Contractual warranty

Warranty	18 months
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Dimensions



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

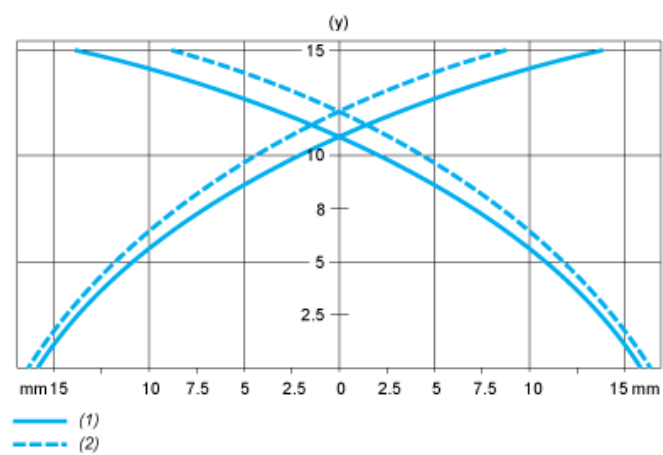
NPN



BU : Blue
BN : Brown
BK : Black

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