

XS1L04NB311

inductive sensor XS1 Ø4 - L29mm - stainless -
Sn0.8mm - 5..24VDC - cable 2m



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical Ø 4 mm plain
Size	29 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.03 in (0.8 mm)
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	5...24 V DC
Switching capacity in mA	<= 100 mA overload and short-circuit protection
IP degree of protection	IP67 IEC 60529

Complementary

Detection face	Frontal
Front material	PPS
Enclosure material	Stainless Steel
Operating zone	0.00...0.02 in (0...0.6 mm)
Cable composition	3 x 0.11 mm ²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	5...30 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms
Marking	CE
Threaded length	0.00 in (0 mm)
Length	1.10 in (28 mm)

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Environment

Product certifications	CSA UL
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

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389110502596
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

Packing Units

Package 1 Height	0.041 dm
Package 1 width	0.064 dm
Package 1 Length	0.094 dm

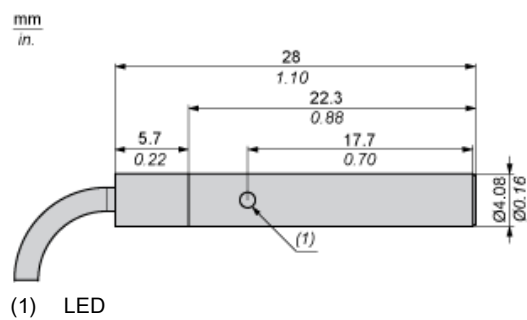
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
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Dimensions



Minimum Mounting Distances in mm

Side by side



$e (1) \geq 2 \text{ mm}/0.79 \text{ in.}$

\geq

Face to face



$e (2) \geq 12 \text{ mm}/0.47 \text{ in.}$

\geq

Facing a metal object



$e (3) \geq 3 \text{ mm}/0.12 \text{ in.}$

\geq

Mounted in a metal support

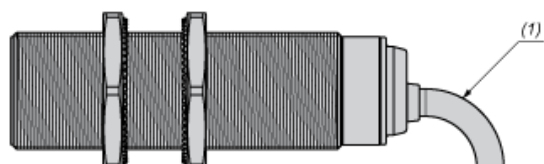


$d \geq 4 \text{ mm}/0.16 \text{ in.}$

$h \geq 0 \text{ mm}/0 \text{ in.}$

Tightening torque : 2.2 N.m. (values obtained with washers mounted)

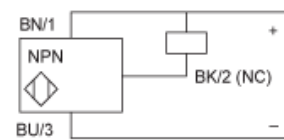
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

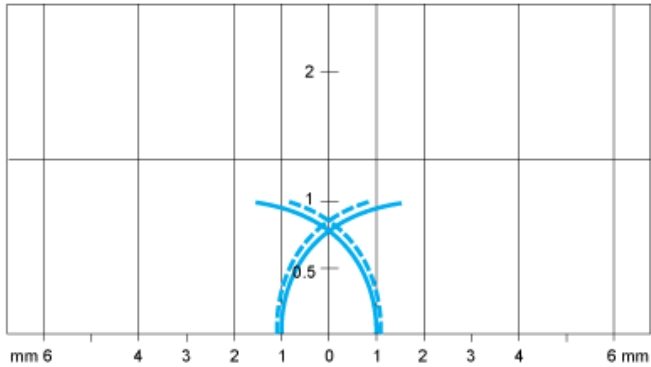
NPN



BU : Blue
BN : Brown
BK : Black

Performance Curves

Standard Steel Target (mm) : 5x5x1



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