

XS218BLNAL7

inductive sensor XS2 M18 - L53mm - brass -
Sn8mm - 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 M18
Size	53 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	8 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	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Front material	PBT
Operating zone	0...6.4 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	33 mm
Height	18 mm
Length	53 mm
Net weight	0.27 kg

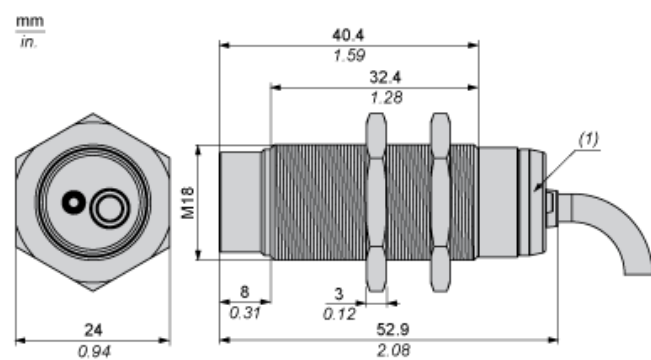
Environment

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

Packing Units

Package 1 Weight	195.000 g
Package 1 Height	350.000 mm
Package 1 width	150.000 mm
Package 1 Length	40.000 mm

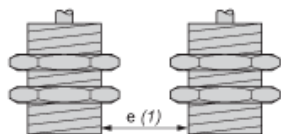
Dimensions



(1) LED

Minimum Mounting Distances

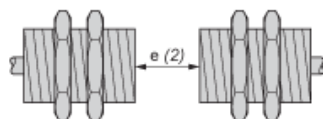
Side by side



e (1) 32 mm/1.26 in.

≥

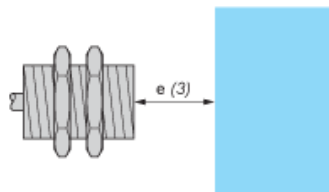
Face to face



e (2) 96 mm/3.78 in.

≥

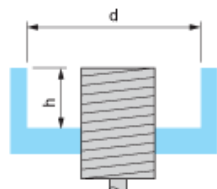
Facing a metal object



e (3) 24 mm/0.94 in.

≥

Mounted in a metal support

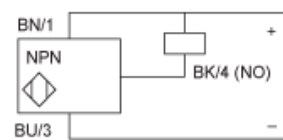


d ≥ 56 mm/2.20 in.

h ≥ 16 mm/0.63 in.

Wiring Schemes

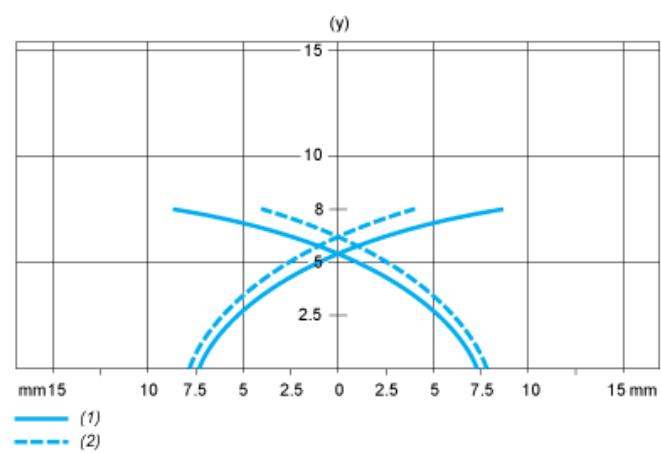
NPN



BU : Blue
BN : Brown
BK : Black

Performance Curves

Standard Steel Target : 24x24x1 mm



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