

XS218BLNAM12C

inductive sensor XS2 M18 - L64mm - brass -
Sn8mm - 12..24VDC - M12



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	XS2
Sensor design	Cylindrical M18
Size	64 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	Male connector M12, 4 pins
[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

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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
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	35 mm
Height	18 mm
Length	64 mm
Net weight	0.035 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

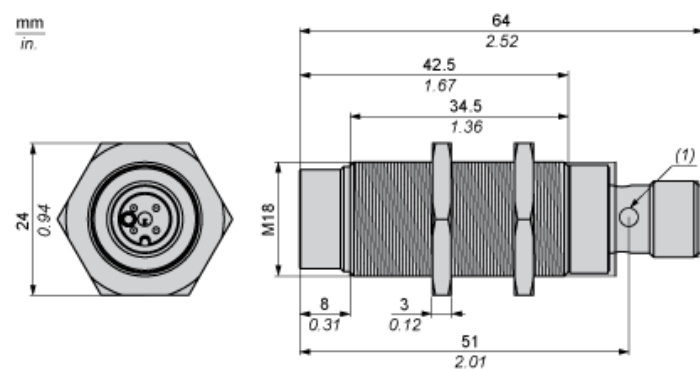
Packing Units

Package 1 Weight	70.000 g
Package 1 Height	26.000 cm
Package 1 width	10.000 cm
Package 1 Length	20.000 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End of Life Information

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.

≥

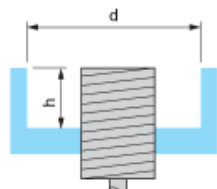
Facing a metal object



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

M12 connector



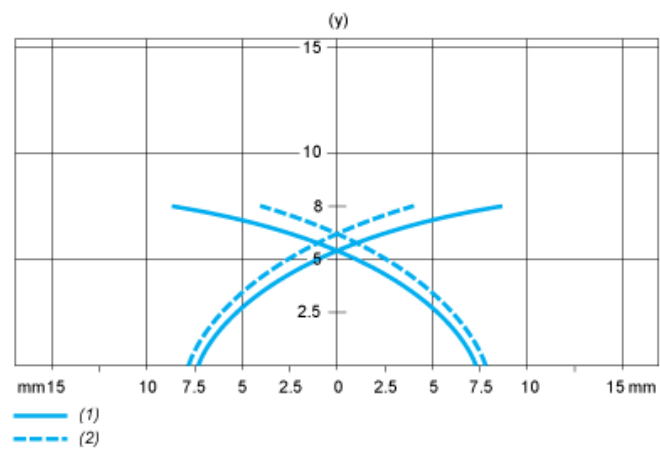
NPN



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output

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