Product data sheet
Characteristics

XS218BLNAM12
inductive sensor XS2 M18 - L64mm - brass - Sn8mm - 12..24VDC - M12

Green Premium™ Product

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

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

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Environment

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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	64 g
Package 1 Height	4.3 cm
Package 1 width	6.6 cm
Package 1 Length	9.6 cm
Unit Type of Package 2	P06
Number of Units in Package 2	576
Package 2 Weight	50.34 kg
Package 2 Height	50 cm
Package 2 width	80 cm
Package 2 Length	60 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

Contractual warranty

Warranty	18 months

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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
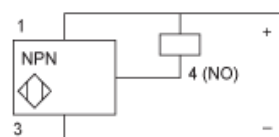
d ≥   56 mm/2.20 in.
h ≥   16 mm/0.63 in.

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Wiring Schemes

M12 connector

NPN

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

Product data sheet
Performance Curves

XS218BLNAM12

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

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