XS130BLNAM12

inductive sensor XS1 M30 - L68mm - brass - Sn10mm - 12..24VDC - M12

Green Premium™ Product

Product Life Status :   END OF STANDARD SERVICE

TODAY
FEB 21, 2021

End of Commercialization
NOV 03, 2020

End of Standard Service
JAN 29, 2021

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M30
Size	68 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	10 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	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Operating zone	0…8 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	47 mm
Height	30 mm
Length	68 mm
Net weight	0.075 kg

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

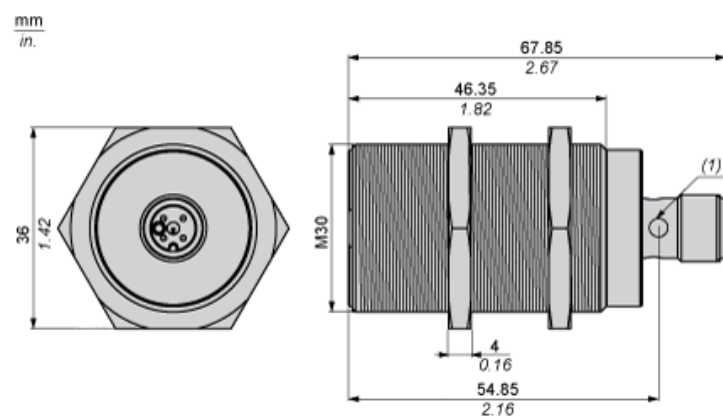|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	168 g
Package 1 Height	4 cm
Package 1 width	5 cm
Package 1 Length	8.5 cm

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

Dimensions

(1)   LED

Minimum Mounting Distances

Side by side

e (1) 20 mm/0.79 in
≥

Face to face

e (2) 120 mm/4.72 in
≥

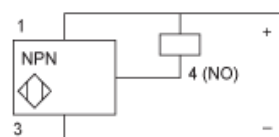Facing a metal object

e (3) 30 mm/1.18 in.
≥

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Sensors

Wiring Schemes

M12 connector

NPN

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

Performance Curves

Standard Steel Target : 30x30x1 mm

——— (1)	
– – – (2)	

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

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