XS612B2NAL01M12

inductive sensor XS6 M12 - L59mm - brass - Sn5mm - 12..24VDC - M12 0.15m

Green Premium™ Product

Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Type of sensing window	Adjustable
Sensor name	XS6
Sensor design	Cylindrical M12
Size	55 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	5 Mm non flush mountable 3.4 mm flush mountable
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Remote male connector M12, 4 pins
Cable length	0.15 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA with overload and short-circuit protection
IP degree of protection	IP67 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Sensing range	> 4...8 mm
Fine adjustment zone	1.7…3.4 Mm flush mountable 1.7…5 mm non flush mountable
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	Supply on and teach mode: 1 LED (green) Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE

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Threaded length	42 mm
Length	59 mm
Net weight	0.1 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	76 g
Package 1 Height	13 cm
Package 1 width	9.5 cm
Package 1 Length	4.1 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

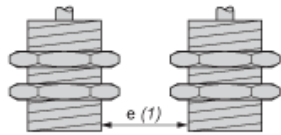## Contractual warranty

Warranty	18 months

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Dimensions
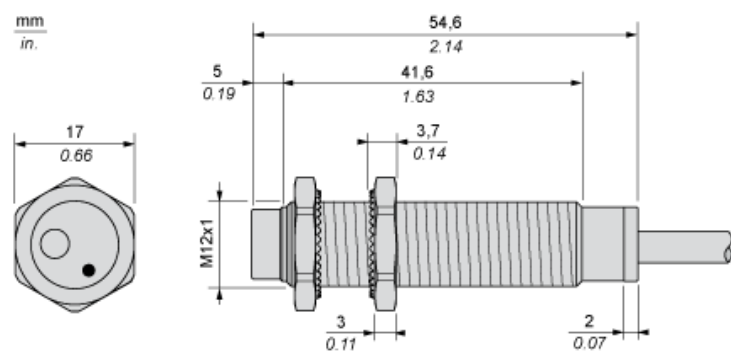
Minimum Mounting Distances in mm

Side by side

e (1)			
Flush mounted		Not flush mounted	
mm	in.	mm	in.
≥ 14	≥ 0.55	50	1.97

Face to face
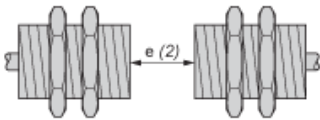
e (2)			
Flush mounted		Not flush mounted	
mm	in.	mm	in.
≥ 50	≥ 1.97	100	3.94

Facing a metal object

e (3)	
mm	in.
≥ 3.4	≥ 0.13

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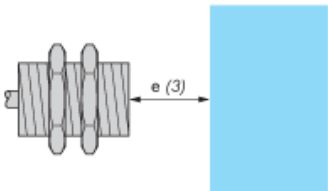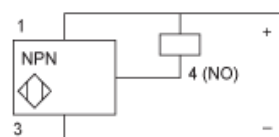

Wiring Schemes

M12 connector

NPN

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