

XS2M12AB120

inductive sensor XS2 M12 - L50mm - brass -
Sn4mm - DC - cable 2m



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Electrical circuit type	Analog output
Sensor name	XS2
Sensor design	Cylindrical M12
Size	54 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Analogue
Wiring technique	2-wire
[Sn] nominal sensing distance	4 mm
Output circuit type	DC
Analogue output range	4...20 mA
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Supply voltage limits	10...36 V DC
Switching frequency	<= 1500 Hz
Current consumption	4 mA no-load
Maximum output current drift	10 %
Marking	CE
Threaded length	36 mm
Height	12 mm
Length	50 mm
Net weight	0.11 kg

Environment






Product certifications	CCC CSA UL
Ambient air temperature for operation	-25...70 °C

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Packing Units

Package 1 Weight	0.103 kg
Package 1 Height	0.041 dm
Package 1 width	0.130 dm
Package 1 Length	0.094 dm

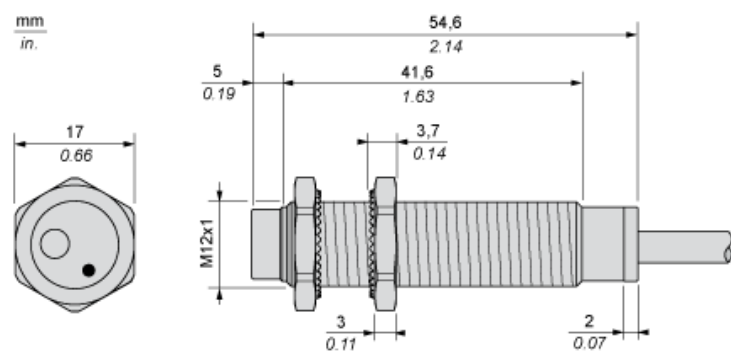
Offer Sustainability

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

Side by side



e (1) 16 mm/0.63 in.

≥

Face to face



e (2) 48 mm/1.89 in.

≥

Facing a metal object



e (3) 12 mm/0.47 in.

≥

Mounted in a metal support



d ≥ 36 mm/1.42 in.

h ≥ 8 mm/0.31 in.

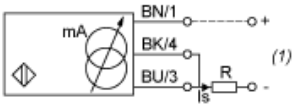
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire connection



(1) Output current
BN : Brown
BK : Black
BU : Blue

	Output current	Load impedance value
12 V	4...20 mA	$R \leq 8.2 \, \Omega$
24 V	4...20 mA	$R \leq 470 \, \Omega$