XS4P12AB110

inductive sensor XS4 M12 - L50mm - PBT - Sn4mm - 24..48VDC - cable 2m

Green Premium™ Product

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS4
Sensor design	Cylindrical M12
Size	50 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Analogue
Wiring technique	3-wire
[Sn] nominal sensing distance	0.16 in (4 mm)
Discrete output function	1 NC
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	24...48 V DC
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PBT
Enclosure material	PBT
Operating zone	0.02...0.16 in (0.4...4 mm)
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Supply voltage limits	15...58 V DC
Switching frequency	<= 1500 Hz
Current consumption	4 mAat no-load
Output current drift	<= 10 %
Marking	CE
Threaded length	1.65 in (42 mm)
Height	0.47 in (12 mm)
Length	2.13 in (54 mm)
Product weight	0.14 lb(US) (0.065 kg)

Environment

Product certifications	UL CCC CSA
Ambient air temperature for operation	-13...158 °F (-25...70 °C)

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901721819
Nbr. of units in pkg.	1
Package weight(Lbs)	0.19
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0821 - Schneider Electric declaration of conformity ⤢Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

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Dimensions

(1)   LED

XS4P12AB110
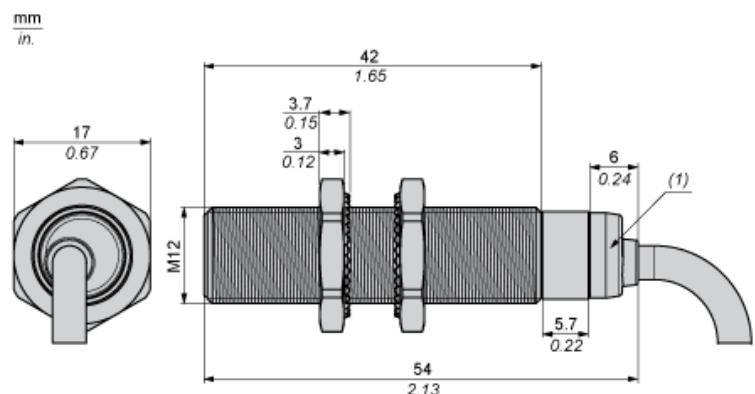
Minimum Mounting Distances

Side by side
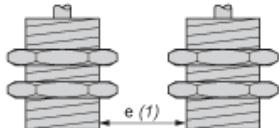
e (1) 16 mm/0.63 in.
≥

Face to face
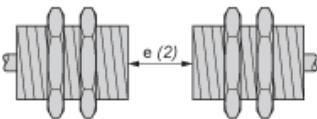
e (2) 48 mm/1.89 in.
≥

Facing a metal object
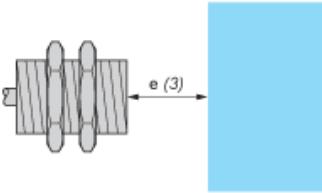
e (3) 12 mm/0.47 in.
≥

Mounted in a metal support
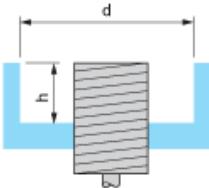

d ≥ 36 mm/1.42 in.
h ≥ 8 mm/0.31 in.

Mounting
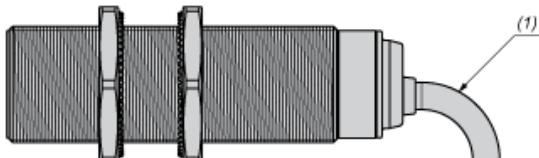

(1) Bending cable: 4 x external cable diameter

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Wiring Schemes

3-Wire connection

(1)   Voltage output
BN : Brown
BK : Black
BU : Blue

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	R ≤ 1500 Ω	0...10 V	R = 1000 Ω
48 V	0...10 mA	R ≤ 3300 Ω	0...10 V	R = 1000 Ω

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Output Curves
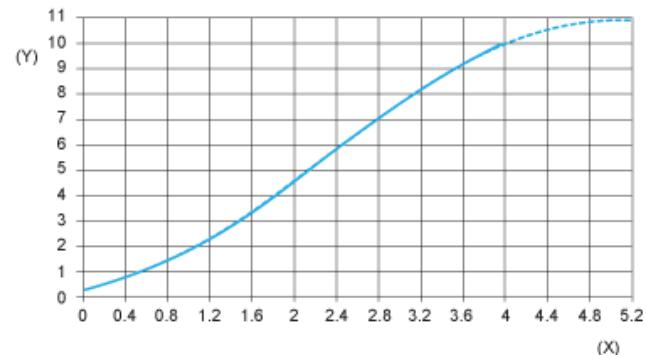
(Y)   Is (mA)
(X)   Sensors - object distance (mm)

Mouser Electronics

Authorized Distributor

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