

Product data sheet

Specifications



Inductive sensor XS4 M12, L52mm, PPS, Sn4mm, 24...240VAC/DC, cable 2 m

XS4P12MA230

Main

Size	52 mm
[Sn] nominal sensing distance	4 mm
Electrical connection	Cable
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA AC/DC
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Front material	PPS
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	0.6 mA open state
Switching frequency	<= 25 Hz AC <= 3000 Hz DC
Maximum voltage drop	<5.5 V (closed)
Marking	CE
Threaded length	42 mm
Length	52 mm

Environment

Product certifications	CSA Ecolab UL
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	Db
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	13.0 cm

Package 1 Length	9.6 cm
Package 1 Weight	62.0 g
Unit Type of Package 2	Doboz
Number of Units in Package 2	44
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.223 kg

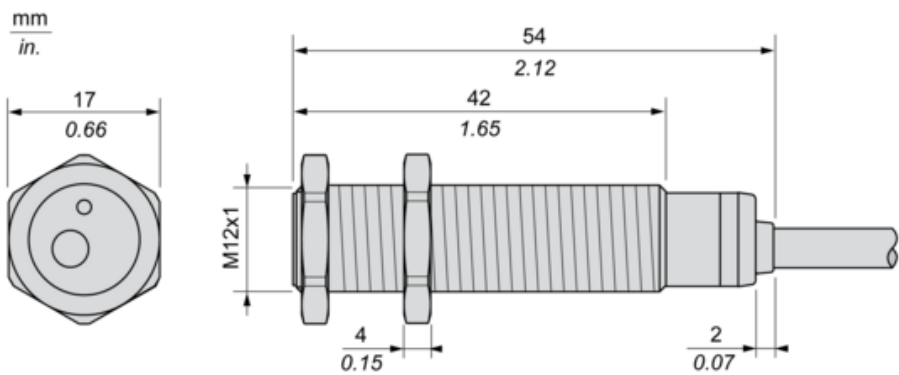
Offer Sustainability

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
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

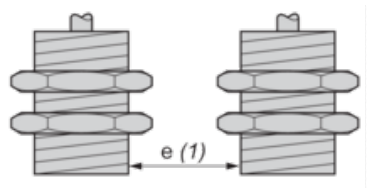
Warranty	18 months
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Dimensions



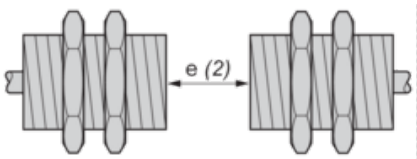
Minimum Mounting Distances

Side by side



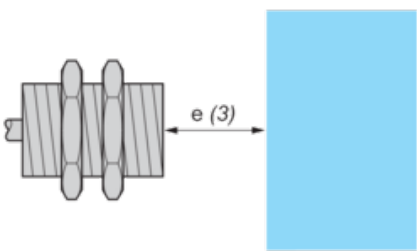
$e\ (1) \geq 16\text{ mm}/0.63\text{ in.}$

Face to face



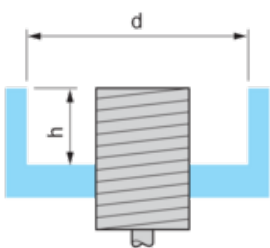
$e\ (2) \geq 48\text{ mm}/1.89\text{ in.}$

Facing a metal object



$e\ (3) \geq 12\text{ mm}/0.47\text{ in.}$

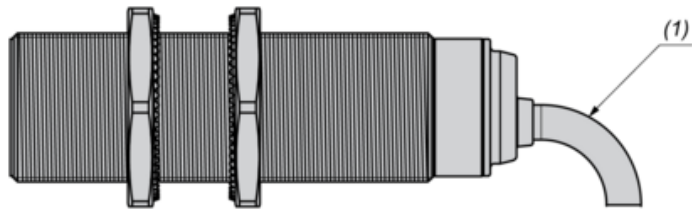
Mounted in a metal support



$d \geq 36\text{ mm}/1.42\text{ in.}$

$h \geq 8\text{ mm}/0.31\text{ in.}$

Mounting

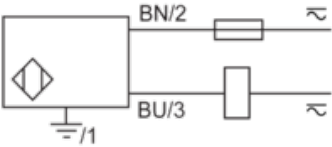


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

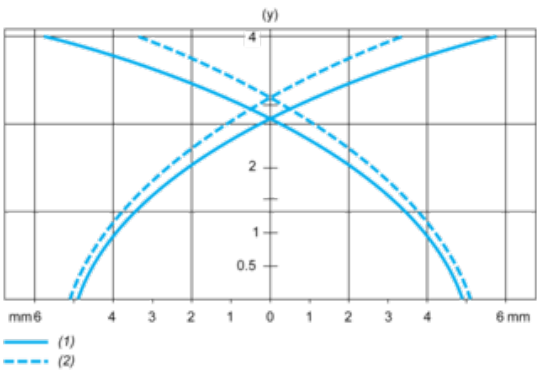
NO output



BU : Blue
BN : Brown

Performance Curves

Standard Steel Target : 12x12x1 mm



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

Recommended replacement(s)