XS112BLPAL2

inductive sensor XS1 M12 - L44mm - brass - Sn2mm - 12..24VDC - cable 2m

Green Premium Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M12
Size	44 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2 mm
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[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	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Operating zone	0…1.6 mm
Differential travel	1...15% of Sr
Output circuit type	DC
Cable composition	3 x 0.14 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 2500 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	0.15 ms
Marking	CE
Threaded length	31 mm
Height	12 mm
Length	44 mm
Net weight	0.07 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

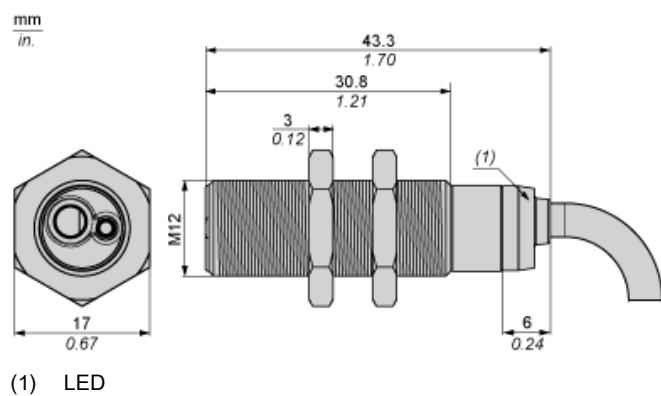|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	72 g
Package 1 Height	2 cm
Package 1 width	11 cm
Package 1 Length	13 cm

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

mm
in.

43.3
1.70

30.8
1.21

3
0.12

(1)

M12

17
0.67

6
0.24

(1)   LED

Minimum Mounting Distances

Side by side

e (1) 4 mm/0.16 in.
≥

Face to face

e (2) 24 mm/0.94 in.
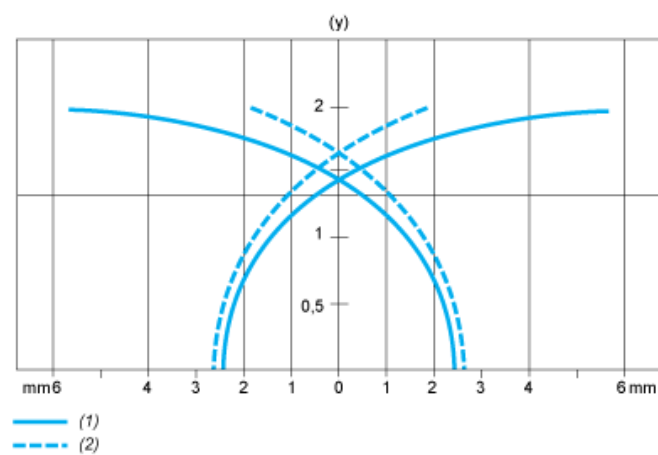≥

Facing a metal object

e (3) 6 mm/0.24 in.
≥

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Wiring Schemes

PNP

BU : Blue
BN : Brown
BK : Black

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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

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