XS108B3PAL5

inductive sensor XS1 M8 - L33mm - brass - Sn2mm - 12..24VDC - cable 5m

Green Premium

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M8
Size	33 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	5 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	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529
Sale per indivisible quantity	1

Complementary

Thread type	M8 x 1
Detection face	Frontal

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Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.11 mm²
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 2500 Hz
Voltage drop	<= 2 V (closed state)
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	25 mm
Length	33 mm

Environment

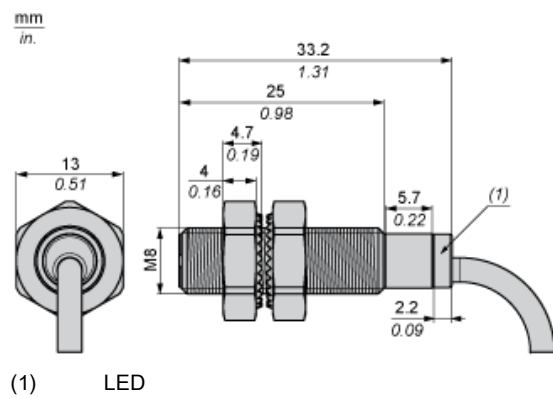|	
Product certifications	CSA UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1104 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

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Dimensions

mm
in.

33.2
1.31

25
0.98

4.7
0.19

13
0.51

4
0.16

5.7
0.22

(1)

M8

2.2
0.09

(1)   LED

Minimum Mounting Distances in mm

Side by side

e (1) ≥   5 mm/0.20 in.

Face to face

e (2) ≥   30 mm/1.18 in.

Facing a metal object

e (3) ≥   8 mm/0.31 in.

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Mounting

(1)   Bending cable: 4 x external cable diameter

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Wiring Schemes

PNP

BU :   Blue
BN :   Brown
BK :   Black

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Performance Curves

Standard Steel Target (mm) : 8x8x1
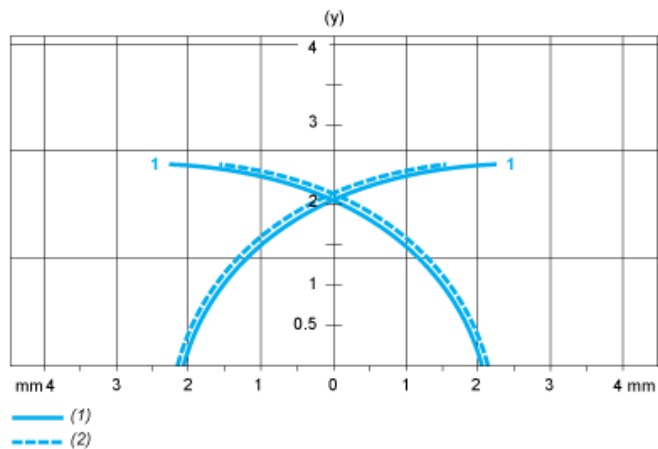
(1)   Pick-up points
(2)   Drop-out points (object approaching from the side)
(y)   Sensing distance in mm