Product datasheet
Characteristics

XS4P08PA370

inductive sensor XS4 M8 - L50mm - PPS - Sn2.5mm - 12..48VDC - cable 2m

Green Premium Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS4
Sensor design	Cylindrical M8
Size	50 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
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	2 m
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PPS

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Operating zone	0…2 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.11 mm²
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…58 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	40 mm
Height	8 mm
Length	50 mm

Environment

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Product certifications	Ecolab UL CCC CSA
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 gnfor 11 ms conforming to IEC 60068-2-27

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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

XS4P08PA370

Dimensions

(1)   LED
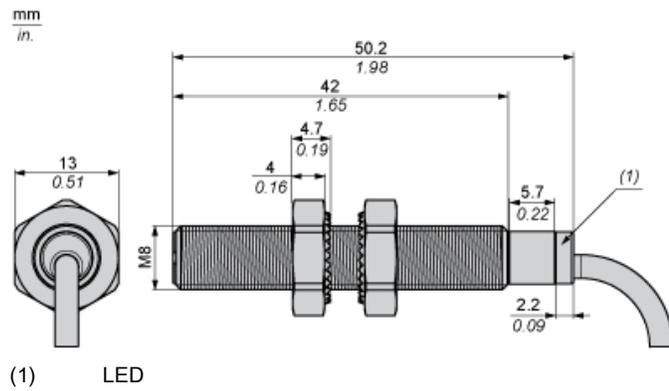
Minimum Mounting Distances

Side by side
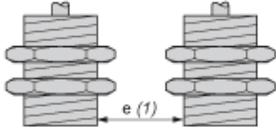
e (1) ≥   10 mm/0.39 in.

Face to face
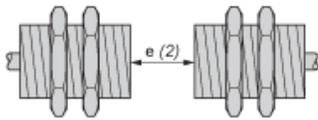
e (2) ≥   30 mm/1.18 in.

Facing a metal object
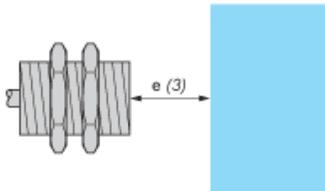
e (3) ≥   7.5 mm/0.30 in.

Mounted in a metal support
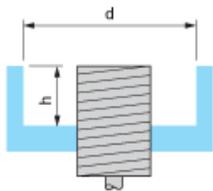
d ≥   24 mm/0.94 in.
h ≥   5 mm/0.20 in.

Mounting
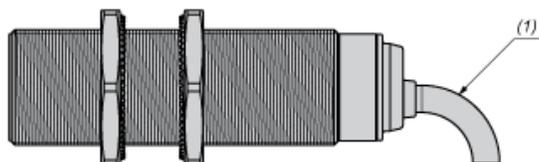
(1)   Bending cable: 4 x external cable diameter

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Wiring Schemes

PNP

BU : Blue
BN : Brown
BK : Black