

XS4P08MB230

inductive sensor XS4 M8 - L50mm - PPS -
Sn2.5mm - 24..240VAC/DC - cable 2m



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	2-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...100 mA AC/DC
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	0...2 mm

Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm ²
Wire insulation material	PvR
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)
Maximum delay first up	40 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	40 mm
Height	8 mm
Length	50 mm

Environment

Product certifications	UL CCC Ecolab 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 gn for 11 ms conforming to IEC 60068-2-27

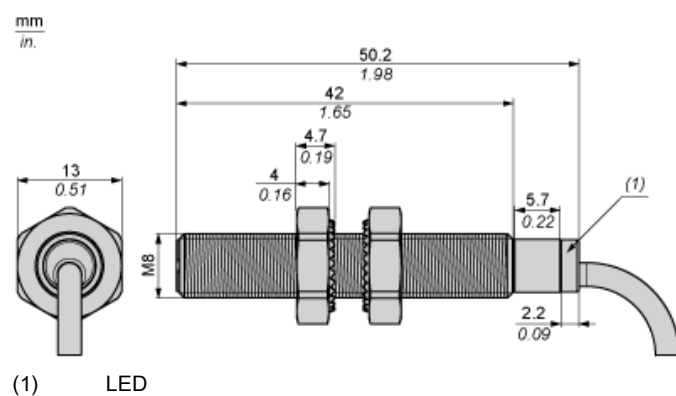
Offer Sustainability

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

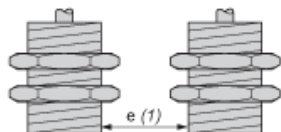
Warranty	18 months
----------	-----------

Dimensions



Minimum Mounting Distances

Side by side



$$e (1) \geq 10 \text{ mm}/0.39 \text{ in.}$$

Face to face



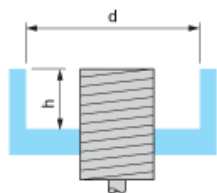
$$e (2) \geq 30 \text{ mm}/1.18 \text{ in.}$$

Facing a metal object



$$e (3) \geq 7.5 \text{ mm}/0.30 \text{ in.}$$

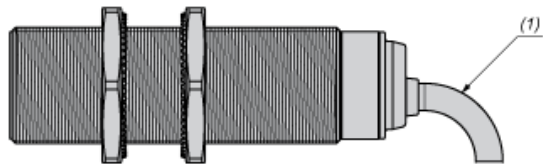
Mounted in a metal support



$$d \geq 24 \text{ mm}/0.94 \text{ in.}$$

$$h \geq 5 \text{ mm}/0.20 \text{ in.}$$

Mounting

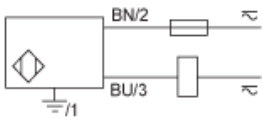


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

NC output



BU : Blue
BN : Brown