Product data sheet
Characteristics

XS4P08MB230

Inductive proximity sensors XS, inductive sensor XS4 M8, L50mm, PPS, Sn2.5 mm, 24...240VAC/DC, cable 2 m

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
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 mm²
Wire insulation material	PVC
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

Telemecanique
Sensors

Environment

Product certifications	UL[RETURN]CCC[RETURN]Ecolab[RETURN]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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.1 cm
Package 1 Width	9.5 cm
Package 1 Length	13.0 cm
Package 1 Weight	50.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.491 kg

Offer Sustainability

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Sustainable offer status	Green Premium product
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

Telemecanique
Sensors

Dimensions

mm / in.

13 / 0.51

M8

50.2 / 1.98

42 / 1.65

4 / 0.16

4.7 / 0.19

5.7 / 0.22

2.2 / 0.09

(1)

(1) LED
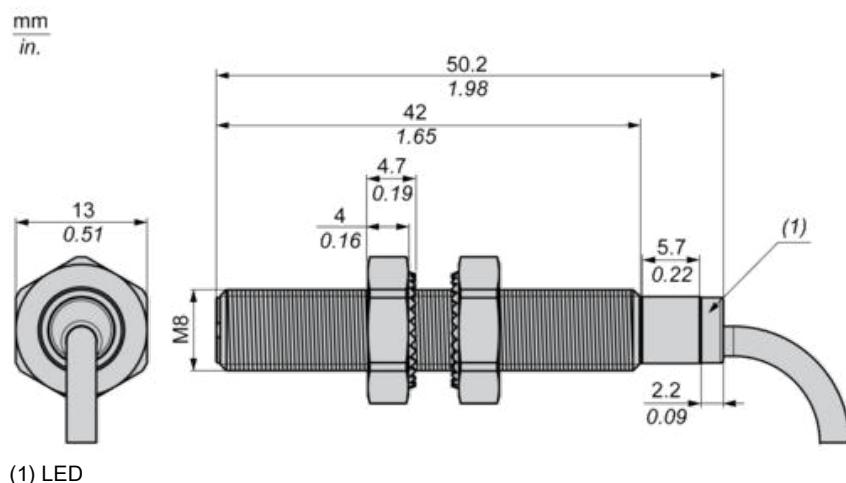
Minimum Mounting Distances

Side by side
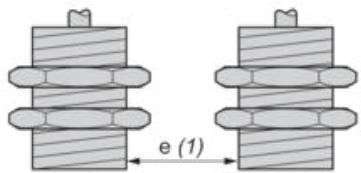
e (1) ≥ 10 mm/0.39 in.

Face to face
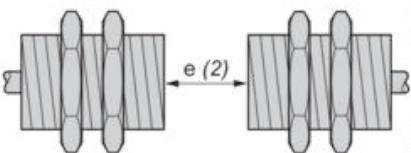
e (2) ≥ 30 mm/1.18 in.

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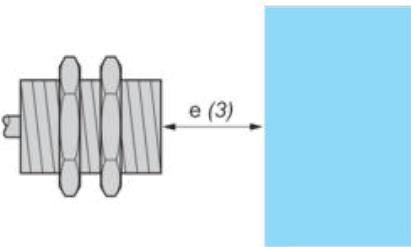
e (3) ≥ 7.5 mm/0.30 in.

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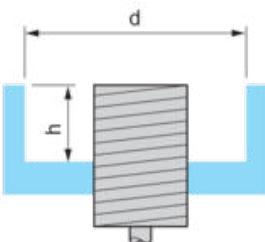
d ≥ 24 mm/0.94 in.
h ≥ 5 mm/0.20 in.

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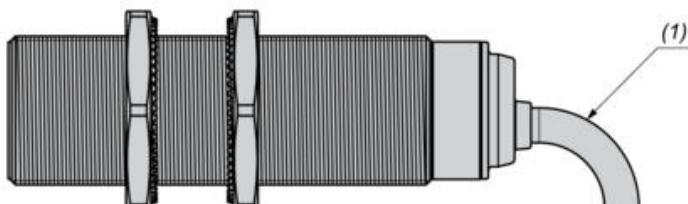
(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

NC output

BU : Blue
BN : Brown