Product datasheet

Specifications



inductive sensor XS6 M8 - L33mm - brass - Sn2.5mm - 12..24VDC - cable 2m

XS608B3CAL2

To be discontinued on: 31 March 2023

Discontinued

XS608B3CAL2 has not been replaced. Please contact your customer care centre for more information.

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS6
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	2-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 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	Nickel plated brass
Sensing range	> 0...2.5 mm
Operating zone	0…2 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm²
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 3000 Hz DC
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.3 ms
Marking	CE
Threaded length	25 mm
Length	33 mm
Net weight	0.07 kg

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 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	40.0 g
Package 1 Height	3 cm
Package 1 width	6.9 cm
Package 1 Length	15.5 cm
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	1.647 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Package 3 Height	15 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

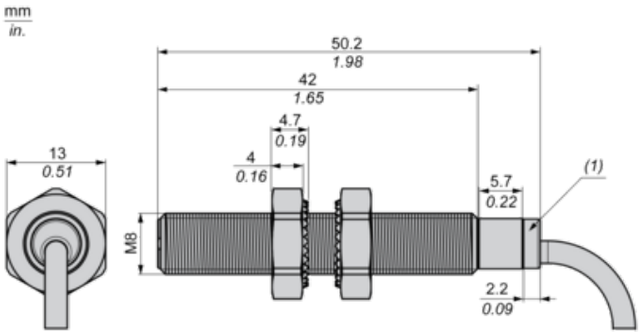
Contractual warranty

Warranty	18 months

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Dimensions Drawings

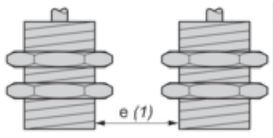
Dimensions



(1) LED

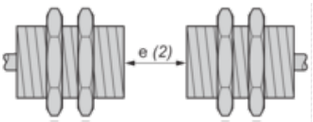
Minimum Mounting Distances in mm

Side by side



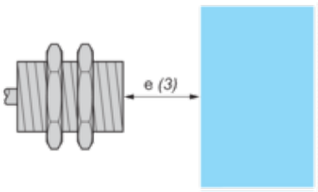
e (1) ≥ 5 mm/0.20 in.

Face to face



e (2) ≥ 30 mm/1.18 in.

Facing a metal object

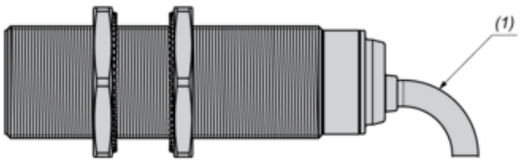


e (3) ≥ 8 mm/0.31 in.

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Mounting and Clearance

Mounting

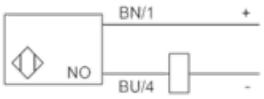


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire DC Polarised

NO output

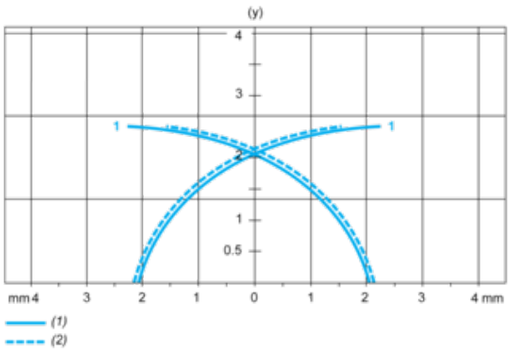


BU : Blue

BN : Brown

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