XS608B3CBL01M12

Inductive proximity sensors XS, inductive sensor XS6 M8, L33mm, brass, Sn2.5 mm, 12...24 VDC, M12 0.15 m

Green Premium™

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 NC
Output circuit type	DC
Electrical connection	Remote male connector M12, 4 pins
Cable length	0.15 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
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	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

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Length	33 mm
Net weight	0.07 kg

Environment

Product certifications	CSA[RETURN]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

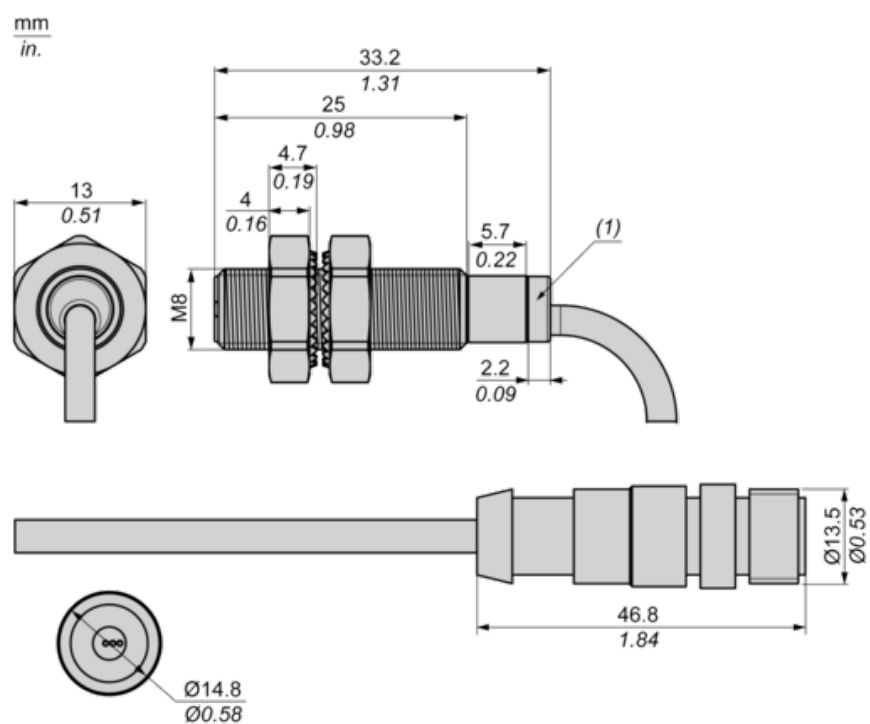|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.4 cm
Package 1 Width	4.1 cm
Package 1 Length	9.4 cm
Package 1 Weight	60 g

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

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Dimensions

mm / in.

33.2 / 1.31
25 / 0.98
4.7 / 0.19
4 / 0.16
13 / 0.51
M8
5.7 / 0.22
(1)
2.2 / 0.09

Ø13.5 / Ø0.53
46.8 / 1.84

Ø14.8 / Ø0.58

(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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Wiring Schemes

2-wire DC Polarised

M12 Connector

NC Output

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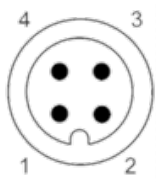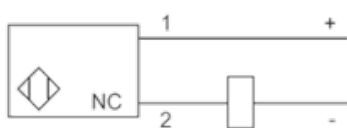
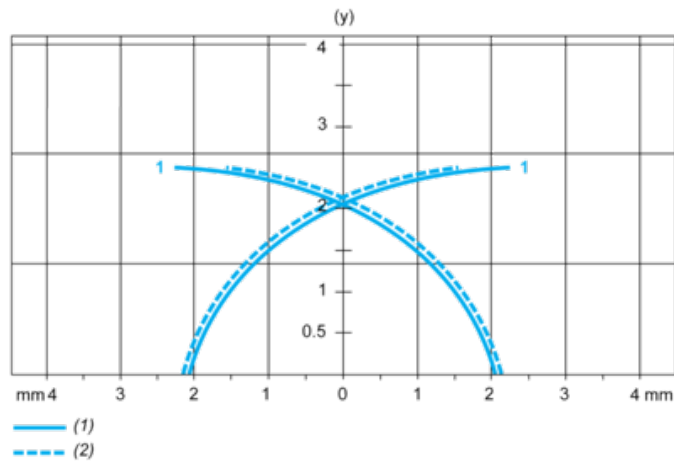## Performance Curves

Standard Steel Target (mm) : 8x8x1

(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm