Product datasheet

Specifications



inductive sensor XS5 M8 - L51mm - stainless - Sn1.5mm - 12..48VDC - cable 5m

XS508B1DAL5

XS508B1DAL5 has not been replaced. Please contact your customer care centre for more information.

Discontinued

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M8
Size	51 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	1.5 mm
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	cable
Cable length	5 m
[Us] rated supply voltage	12...48 V DC
Switching capacity in mA	1.5...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	Stainless steel 303
Operating zone	0…1.2 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…58 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 4000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	42 mm
Length	51 mm
Net weight	0.155 kg

Environment

Product certifications	CCC UL 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 Weight	76.0 g
Package 1 Height	3.5 cm
Package 1 width	10.5 cm
Package 1 Length	15.4 cm
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	1.225 kg
Package 2 Height	15 cm
Package 2 width	15 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

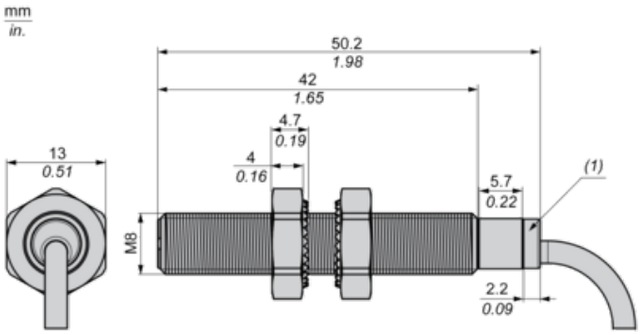
Contractual warranty

Warranty	18 months

Product datasheet XS508B1DAL5

Dimensions Drawings

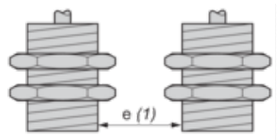
Dimensions



(1) LED

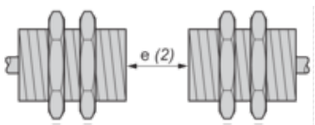
Minimum Mounting Distances

Side by side



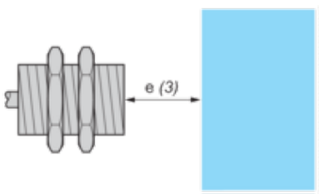
e (1) ≥ 3 mm/0.12 in.

Face to face



e (2) ≥ 18 mm/0.71 in.

Facing a metal object

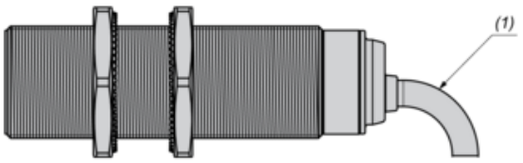


e (3) ≥ 4.5 mm/0.18 in.

Product datasheet XS508B1DAL5

Mounting and Clearance

Mounting

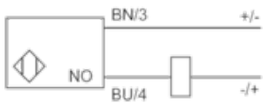


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

NO output

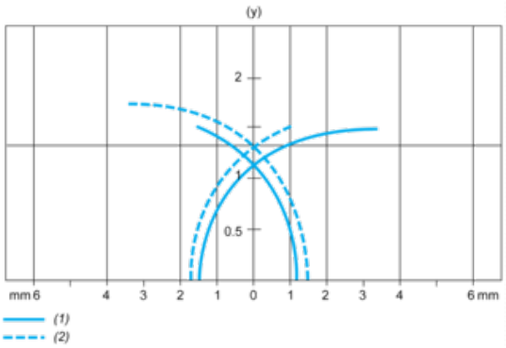


BU : Blue

BN : Brown

Performance Curves

Standard Steel Target : 8x8x1 mm



(1) Pick-up points

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

(y) Sensing distance in mm