Product data sheet
Characteristics

XS508B1DAL2

Inductive proximity sensors XS, inductive sensor XS5 M8, L51mm, stainless, Sn1.5 mm, 12...48 VDC, cable 2 m

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	0.06 in (1.5 mm)
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...48 V DC
Switching capacity in mA	1.5...100 mA DC 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	0.00…0.05 in (0…1.2 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…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	1.65 in (42 mm)
Length	2.01 in (51 mm)
Net Weight	0.08 lb(US) (0.035 kg)

Environment

Product Certifications	UL[RETURN]CCC[RETURN]CSA
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	US10DS222486
Discount Schedule	0DS2
GTIN	3389110144116
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.65 in (4.200 cm)
Package 1 Width	3.82 in (9.700 cm)
Package 1 Length	5.20 in (13.200 cm)
Package 1 Weight	1.38 oz (39.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	44
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	5.02 lb(US) (2.275 kg)

Offer Sustainability

|	
Sustainable offer status	Green Premium product
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
Circularity Profile	End of Life Information
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

Dimensions

mm / in.

13 / 0.51

M8

50.2 / 1.98

42 / 1.65

4.7 / 0.19

4 / 0.16

5.7 / 0.22

2.2 / 0.09

(1)

(1) LED
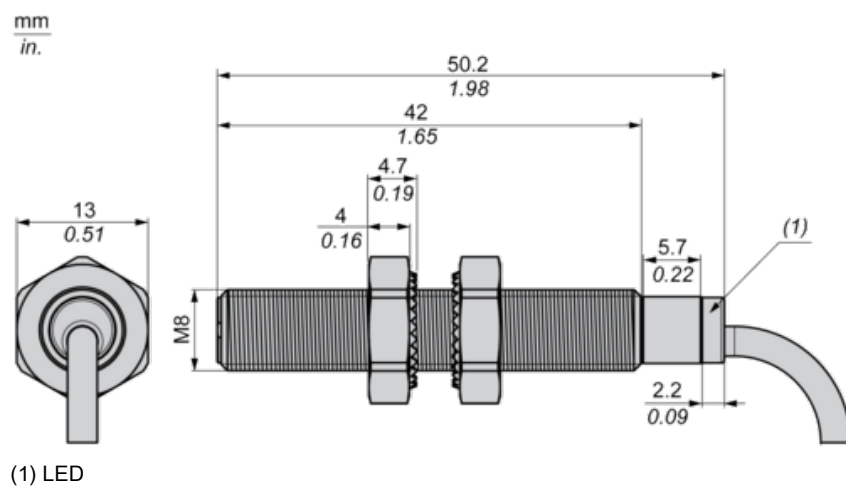
Minimum Mounting Distances

Side by side
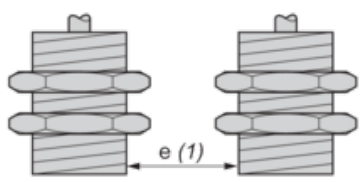
e (1) ≥ 3 mm/0.12 in.

Face to face
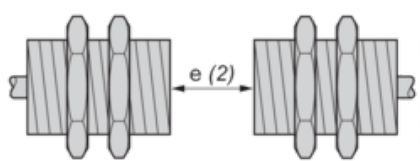
e (2) ≥ 18 mm/0.71 in.

Facing a metal object
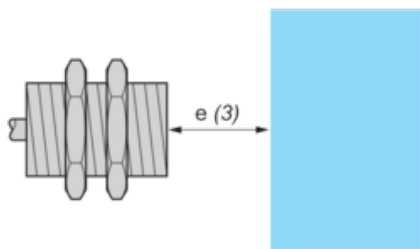
e (3) ≥ 4.5 mm/0.18 in.

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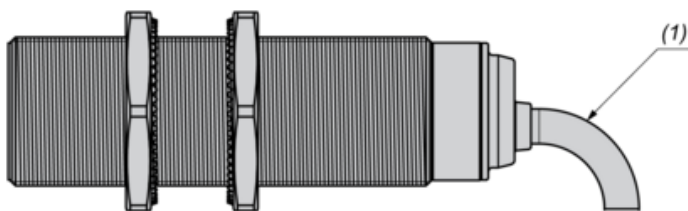
(1) Bending cable: 4 x external cable diameter

Telemecanique
Sensors

Wiring Schemes

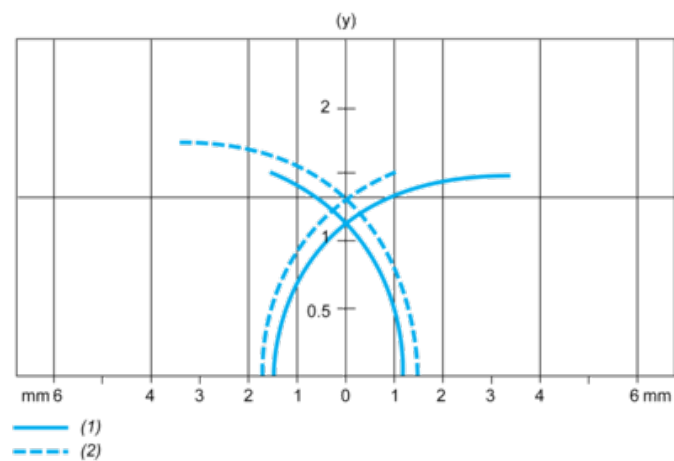### 2-Wire Non-polarised

NO output
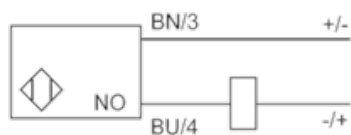
BU : Blue
BN : Brown

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