# XS508B1DAL2

inductive sensor XS5 M8 - L51mm - stainless - Sn1.5mm - 12..48VDC - cable 2m

Green Premium™ Product

## Main

| | |
|---|---|
| Range of product | OsiSense 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 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 | 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 | 1.65 in (42 mm) |
| Height | 0.31 in (8 mm) |
| Length | 2.01 in (51 mm) |
| Net Weight | 0.08 lb(US) (0.035 kg) |

## Environment

| | |
|---|---|
| Product certifications | UL<br>CCC<br>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 | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 00785901999911 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.13 lb(US) (0.06 kg) |
| Returnability | Yes |
| Country of origin | FR |

## Packing Units

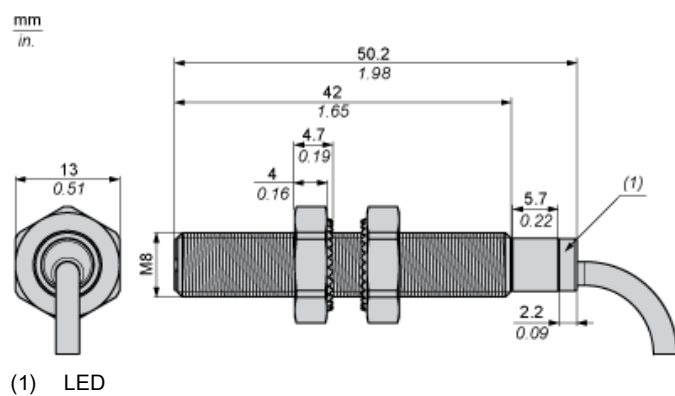| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.65 in (4.2 cm) |
| Package 1 width | 3.82 in (9.7 cm) |
| Package 1 Length | 5.20 in (13.2 cm) |
| Unit Type of Package 2 | BAG |
| Number of Units in Package 2 | 1 |
| Package 2 Weight | 2.12 oz (60 g) |
| Package 2 Height | 0.79 in (2 cm) |
| Package 2 width | 7.87 in (20 cm) |
| Package 2 Length | 5.91 in (15 cm) |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 44 |
| Package 3 Weight | 6.77 lb(US) (3.072 kg) |
| Package 3 Height | 11.81 in (30 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

## 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 |
| 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 |

Life Is On | Schneider Electric

## Dimensions

mm
in.

50.2
1.98

42
1.65

13
0.51

4.7
0.19

4
0.16

M8

5.7
0.22

(1)

2.2
0.09

(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

Life Is On | Schneider Electric

# XS508B1DAL2

## 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