

XS508B1CAL08M12

Inductive proximity sensors XS, inductive sensor XS5 M8, L61mm, stainless, Sn1.5 mm, 12...48 VDC, M12 0.8 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 | 4 pins M12 remote male connector 1-4 |
| Cable length | 2.62 ft (0.8 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 mm ² |
| 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) |
| Product Weight | 0.11 lb(US) (0.05 kg) |

Environment

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|---------------------------------------|---|
| Product Certifications | CCC CSA UL |
| 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 | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 3389110405194 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.34 oz (38 g) |
| Returnability | No |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 0.83 in (2.1 cm) |
| Package 1 width | 6.14 in (15.6 cm) |
| Package 1 Length | 4.06 in (10.3 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 22 |
| Package 2 Weight | 2.41 lb(US) (1.092 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |
| Package 3 Height | 5.91 in (15 cm) |

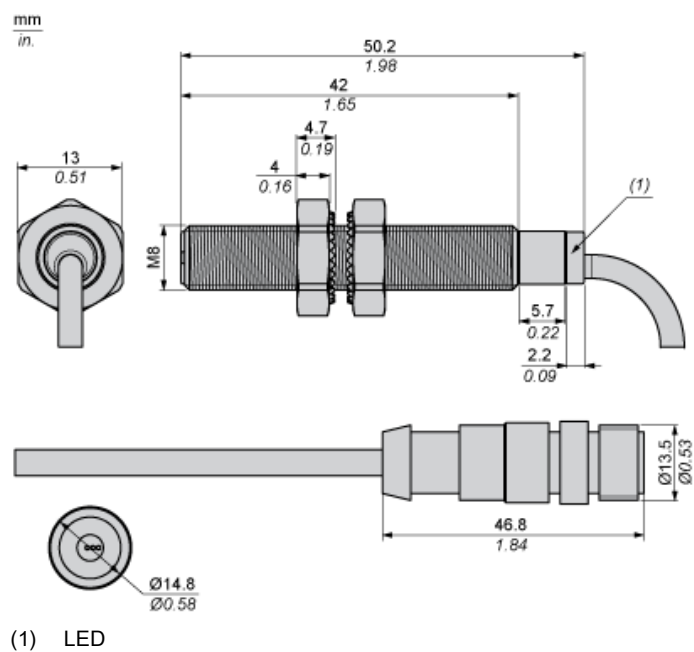
Offer Sustainability

| | |
|----------------------------|---|
| 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 |
|----------|-----------|

Dimensions



Minimum Mounting Distances

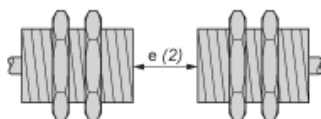
Side by side



e (1) 3 mm/0.12 in.

≥

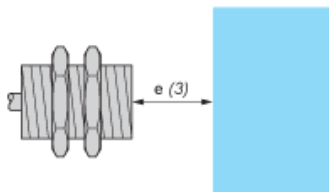
Face to face



e (2) 18 mm/0.71 in.

≥

Facing a metal object



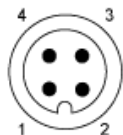
e (3) 4.5 mm/0.18 in.

≥

Wiring Schemes

2-Wire Non-polarised

M12 connector

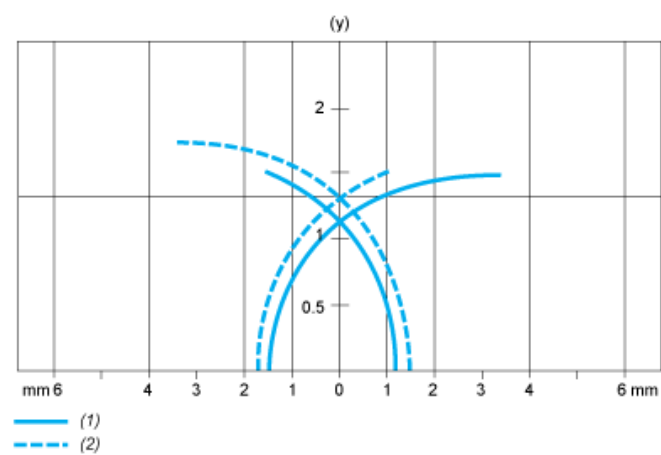


NO output



Performance Curves

Standard Steel Target : 8x8x1 mm



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