

Product data sheet

Characteristics

XS512BSDAL5

inductive sensor XS5 M12 - L35mm - brass -
Sn2mm - 12..24VDC - cable 5m

Product availability : Non-Stock - Not normally stocked in distribution facility



Price* : 70.40 USD



Main

| | |
|------------------------------------|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M12 |
| Size | 37 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 | 0.08 in (2 mm) |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Electrical connection | cable |
| Cable length | 16.40 ft (5 m) |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Switching capacity in mA | 1.5...100 mA DC overload and short-circuit protection |
| IP degree of protection | IP68 double insulation IEC 60529 IP69K DIN 40050 |

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

Complementary

| | |
|----------------|---------|
| Thread type | M12 x 1 |
| Detection face | Frontal |

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|--------------------------|-----------------------------|
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0.00...0.06 in (0...1.6 mm) |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm ² |
| Wire insulation material | PvR |
| Status LED | Output state 1 LED yellow) |
| Supply voltage limits | 10...36 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 | 0.98 in (25 mm) |
| Height | 0.47 in (12 mm) |
| Length | 1.38 in (35 mm) |
| Net weight | 0.34 lb(US) (0.155 kg) |

Environment

| | |
|---------------------------------------|---|
| Product certifications | UL 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 | 03389119046015 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.36 lb(US) (0.16 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

| | |
|------------------|----------|
| Package 1 Height | 1.300 dm |
| Package 1 width | 0.410 dm |
| Package 1 Length | 0.940 dm |

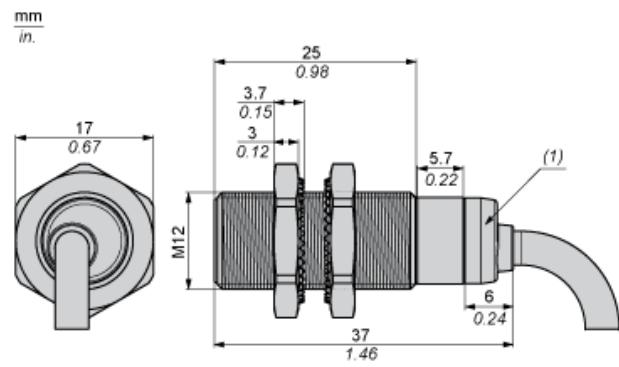
Offer Sustainability

| | |
|----------------------------|---|
| 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 |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

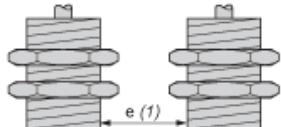
| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



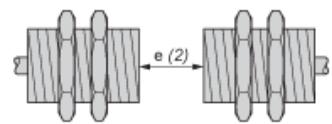
Minimum Mounting Distances

Side by side



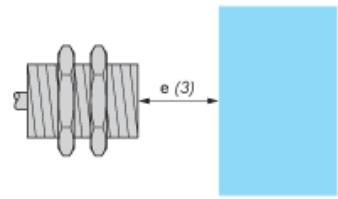
$e (1) \geq 4 \text{ mm/0.16 in.}$

Face to face



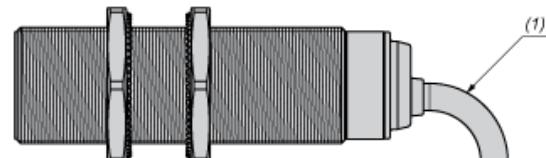
$e (2) \geq 24 \text{ mm/0.94 in.}$

Facing a metal object



$e (3) \geq 6 \text{ mm/0.24 in.}$

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 : 12x12x1 mm

