

Product data sheet

Characteristics

XS618B1NBL10

inductive sensor XS6 M18 - L62mm - brass -
Sn8mm - 12..48VDC - cable 10m

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



Price* : 94.96 USD



Main

| | |
|------------------------------------|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | Mobile equipment |
| Sensor name | XS6 |
| Sensor design | Cylindrical M18 |
| Size | 62 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 0.31 in (8 mm) |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | NPN |
| Electrical connection | Cable |
| Cable length | 32.81 ft (10 m) |
| [Us] rated supply voltage | 12...48 V DC reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC overload and short-circuit protection |
| IP degree of protection | IP68 double insulation IEC 60529 IP69K DIN 40050 |

Complementary

| | |
|-------------|---------|
| Thread type | M18 x 1 |
|-------------|---------|

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

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|--------------------------|-------------------------------|
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Sensing range | > 0.16...0.31 in (> 4...8 mm) |
| Operating zone | 0.00...0.25 in (0...6.4 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...58 V DC |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2 V closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.7 ms |
| Marking | CE |
| Threaded length | 2.05 in (52 mm) |
| Length | 2.44 in (62 mm) |
| Net weight | 0.97 lb(US) (0.44 kg) |

Environment

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|---------------------------------------|---|
| Product certifications | CSA UL E2 |
| 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 | 03389110133462 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.66 lb(US) (0.30 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

| | |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 5.83 in (14.8 cm) |
| Package 1 width | 3.15 in (8 cm) |
| Package 1 Length | 3.23 in (8.2 cm) |

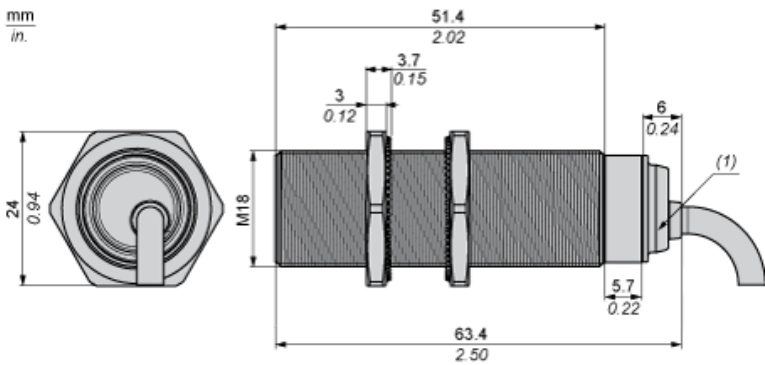
Offer Sustainability

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

Contractual warranty

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

Dimensions



(1) LED

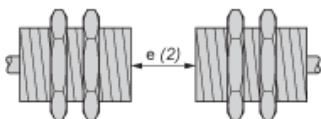
Minimum Mounting Distances

Side by side



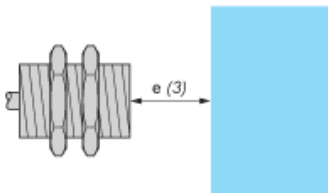
$e (1) \geq 16 \text{ mm}/0.63 \text{ in.}$

Face to face



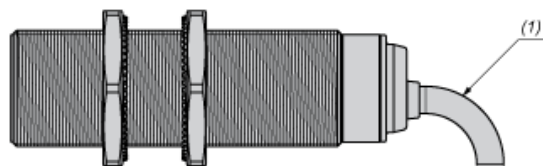
$e (2) \geq 100 \text{ mm}/3.94 \text{ in.}$

Facing a metal object



$e (3) \geq 25 \text{ mm}/0.98 \text{ in}$

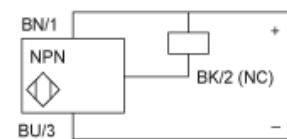
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

NPN



BU : Blue
BN : Brown
BK : Black