

XS1M18AB120

inductive sensor XS1 M18 - L53mm - brass - Sn5mm - 12..24VDC - cable 2m



Product availability: Stock - Normally stocked in distribution facility



Main

| | |
|------------------------------------|------------------------------|
| Range of product | OsiSense XS |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS1 |
| Sensor design | Cylindrical M18 |
| Size | 53 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Analogue |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 0.2 in (5 mm) |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Analogue output range | 4...20 mA |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...24 V DC |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| | |
|--------------------------|----------------------------|
| Thread type | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0.02...0.2 in (0.5...5 mm) |
| Repeat accuracy | <= 3% of Sr |
| Linearity error | +/- 2 mA |
| Cable composition | 3 x 0.34 mm ² |
| Wire insulation material | PvR |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 500 Hz |
| Current consumption | 4 mA at no-load |
| Output current drift | <= 10 % |
| Marking | CE |
| Threaded length | 1.73 in (44 mm) |
| Height | 0.71 in (18 mm) |
| Length | 2.09 in (53 mm) |
| Product weight | 0.26 lb(US) (0.12 kg) |

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Environment

| | |
|---------------------------------------|----------------------------|
| Product certifications | UL CSA |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |

Ordering and shipping details

| | |
|-----------------------|----------------------------|
| Category | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 00785901721628 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.28000000000000003 |
| Returnability | Y |
| Country of origin | FR |

Offer Sustainability

| | |
|----------------------------------|--|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0811 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| ----- Substance 1 | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and |
| ----- Substance 2 | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| ----- More information | For more information go to www.p65warnings.ca.gov |

Contractual warranty

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

Dimensions



(1) LED

Minimum Mounting Distances

Side by side



e (1) 10 mm/0.39 in.

≥

Face to face



e (2) 60 mm/2.36 in.

≥

Facing a metal object



e (3) 15 mm/0.60 in.

≥

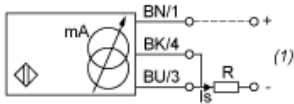
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire connection



(1) Output current

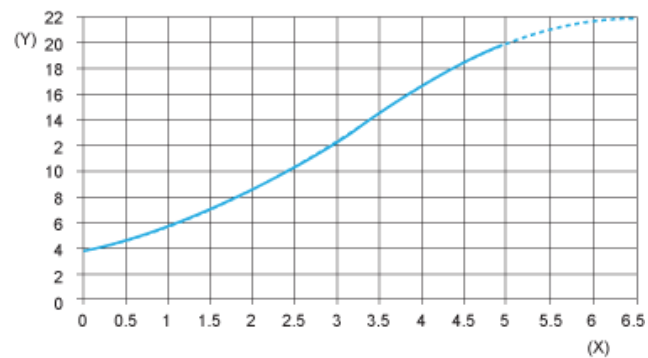
BN : Brown

BK : Black

BU : Blue

| | Output current | Load impedance value |
|------|----------------|----------------------|
| 12 V | 4...20 mA | $R \leq 8.2 \Omega$ |
| 24 V | 4...20 mA | $R \leq 470 \Omega$ |

Output Curves



(Y) Is (mA)
(X) Sensors - object distance (mm)

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