# XS518B1CAM12

Inductive proximity sensors XS, inductive sensor XS5 M18, L74mm, brass, Sn5mm, 12...48 VDC, M12

## 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 M18 |
| Size | 64 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 | 0.20 in (5 mm) |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Electrical connection | Male connector M12, 4 pins |
| [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 IP69K conforming to DIN 40050 |

## Complementary

| | |
|---|---|
| Thread type | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure Material | Nickel Plated Brass |
| Operating zone | 0.00…0.16 in (0…4 mm) |
| Differential travel | 1...15% of Sr |
| Status LED | Output state 1 LED yellow) |
| Supply voltage limits | 10…58 V DC |
| Maximum residual current | 0.5 mA open state |
| Switching frequency | <= 3000 Hz |
| Maximum voltage drop | <4 V closed) |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.15 ms |
| Maximum delay recovery | 0.2 ms |
| Marking | CE |
| Threaded length | 2.05 in (52 mm) |
| Length | 2.91 in (74 mm) |

## Environment

| | |
|---|---|
| Product Certifications | UL<br>CSA<br>CCC |
| 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 | 3389110405101 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.98 oz (56.0 g) |
| Returnability | No |
| Country of origin | FR |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 0.87 in (2.2 cm) |
| Package 1 width | 3.19 in (8.1 cm) |
| Package 1 Length | 3.23 in (8.2 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 44 |
| Package 2 Weight | 6.11 lb(US) (2.772 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 |

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## Dimensions
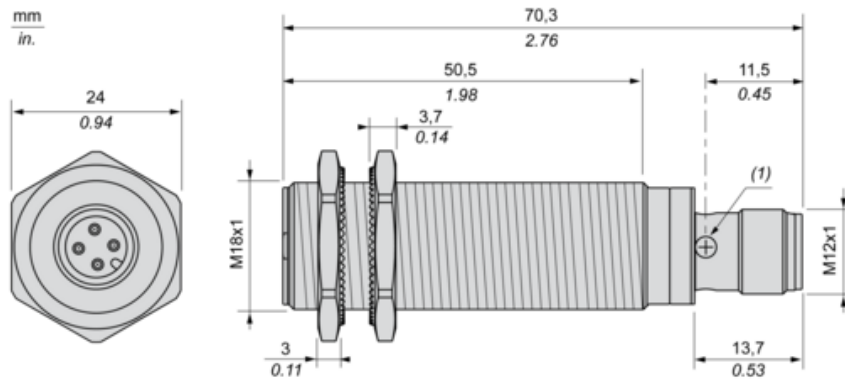


(1) : LED

## Minimum Mounting Distances

Side by side
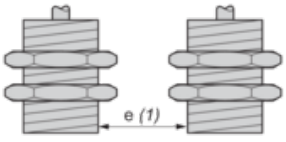
e (1) ≥ 10 mm/0.39 in.

Face to face
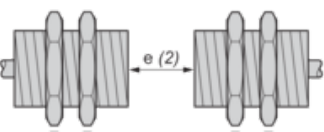
e (2) ≥ 60 mm/2.36 in.

Facing a metal object

e (3) ≥ 15 mm/0.60 in

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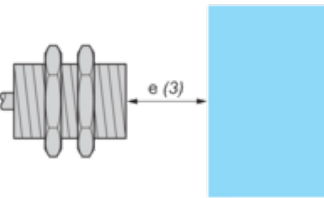
## Wiring Schemes

### 2-Wire Non-polarised

M12 connector



NO output

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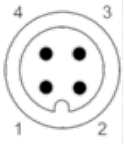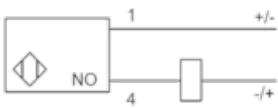
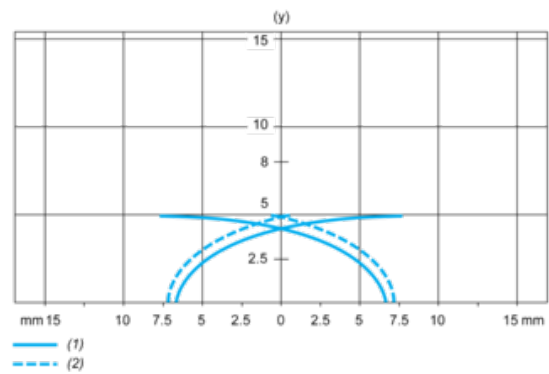### Standard Steel Target : 18x18x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm