# Product data sheet
## Characteristics

# XS530B1MAL2
## Inductive proximity sensors XS, inductive sensor XS5 M30, L62mm, brass, Sn10mm, 24...240VAC/DC, cable 2 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 M30 |
| Size | 62 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 | 10 mm |
| Discrete output function | 1 NO |
| Output circuit type | AC/DC |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 24...240 V AC/DC with reverse polarity protection |
| Switching capacity in mA | 5...200 mA DC<br>5...300 mA AC |
| IP degree of protection | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

### Complementary

| | |
|---|---|
| Thread type | M30 x 1.5 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0…8 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 2 x 0.34 mm² |
| Wire insulation material | PVC |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 20…264 V AC/DC |
| Maximum residual current | 0.8 mA open state |
| Switching frequency | <= 25 Hz AC<br><= 500 Hz DC |
| Maximum voltage drop | <5.5 V (closed) |
| Maximum delay first up | 25 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 2 ms |
| Marking | CE |
| Threaded length | 52 mm |
| Length | 62 mm |
| Net weight | 0.205 kg |

## Environment

| | |
|---|---|
| Product certifications | UL[RETURN]CSA |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…85 °C |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.800 cm |
| Package 1 Width | 10.400 cm |
| Package 1 Length | 13.100 cm |
| Package 1 Weight | 190.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 22 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 4.479 kg |

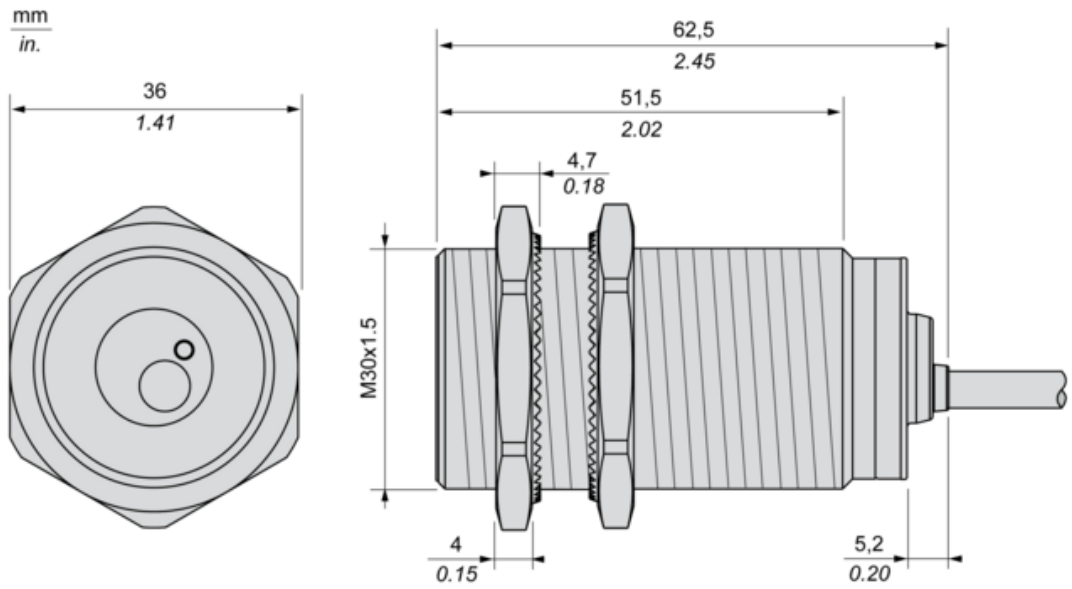
## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| Circularity Profile | End of Life Information |
| 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

## Contractual warranty

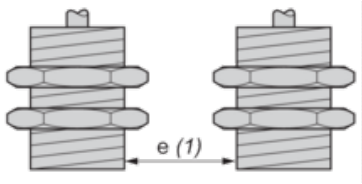
| | |
|---|---|
| Warranty | 18 months |

## Dimensions



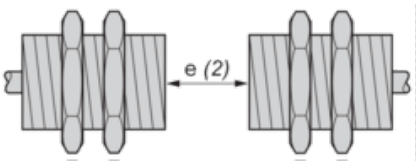
## Minimum Mounting Distances

Side by side



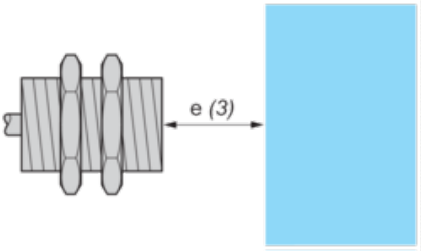

e (1) ≥ 30 mm/1.18 in.

Face to face




e (2) ≥ 180 mm/7.09 in.

Facing a metal object

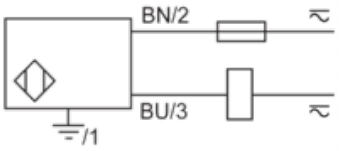



e (3) ≥ 45 mm/1.77 in.

## Wiring Schemes

### 2-Wire AC or DC

NO output

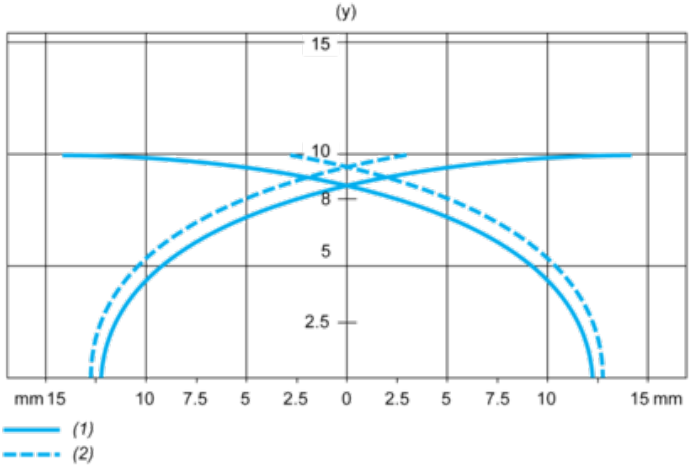



BU : Blue

BN : Brown

## Performance Curves

### Standard Steel Target : 30x30x1 mm




(1) Pick-up points

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

(y) Sensing distance in mm