

# Product datasheet

Specifications



Rot. monitoring - M30 - Sn10mm -  
6..150c/mn - 24..240VAC/DC - cable  
2m

Local distributor code: 386215548    XSAV11801

## Main

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS |
| Series name                        | Application                                  |
| Product or component type          | Sensor                                       |
| Sensor type                        | Inductive proximity sensor                   |
| Device application                 | Rotation monitoring                          |
| Sensor name                        | XSA                                          |
| Sensor design                      | Cylindrical M30                              |
| Size                               | 81 mm                                        |
| Body type                          | Fixed                                        |
| Detector flush mounting acceptance | Flush mountable                              |
| Material                           | Metal                                        |
| Enclosure material                 | Nickel plated brass                          |
| Type of output signal              | Discrete                                     |
| Wiring technique                   | 2-wire                                       |
| [Sn] nominal sensing distance      | 10 mm                                        |
| Discrete output function           | 1 NC                                         |
| Output circuit type                | AC/DC                                        |
| Electrical connection              | Cable                                        |
| Cable length                       | 2 m                                          |
| [Us] rated supply voltage          | 24...210 V DC<br>24...240 V AC 50/60 Hz      |
| Switching capacity in mA           | 5...200 mA DC<br>5...350 mA AC               |
| IP degree of protection            | IP67 conforming to IEC 60529                 |

## Complementary

|                |             |
|----------------|-------------|
| Thread type    | M30 x 1.5   |
| Detection face | Frontal     |
| Front material | PPS         |
| Sensing range  | > 8...15 mm |

|                            |                           |
|----------------------------|---------------------------|
| Adjustable frequency range | 6...150 cyc/mn            |
| Operating zone             | 0...8 mm                  |
| Differential travel        | 3...15% of Fr             |
| Repeat accuracy            | 3% of Sr                  |
| Cable composition          | 2 x 0.34 mm²              |
| Wire insulation material   | PvR                       |
| Status LED                 | Output state: 1 LED (red) |
| Supply voltage limits      | 20...264 V AC/DC          |
| Maximum residual current   | 1.5 mA open state         |
| Switching frequency        | <= 100 Hz                 |
| Maximum voltage drop       | <5.7 V (closed)           |
| Run-up delay at power-up   | 9 s standard              |
| Marking                    | CE                        |
| Threaded length            | 67 mm                     |
| Length                     | 81 mm                     |
| Net weight                 | 0.3 kg                    |

### Environment

|                                       |                  |
|---------------------------------------|------------------|
| Product certifications                | UL<br>CSA<br>CCC |
| Ambient air temperature for operation | -25...70 °C      |
| Ambient air temperature for storage   | -40...85 °C      |

### Packing Units

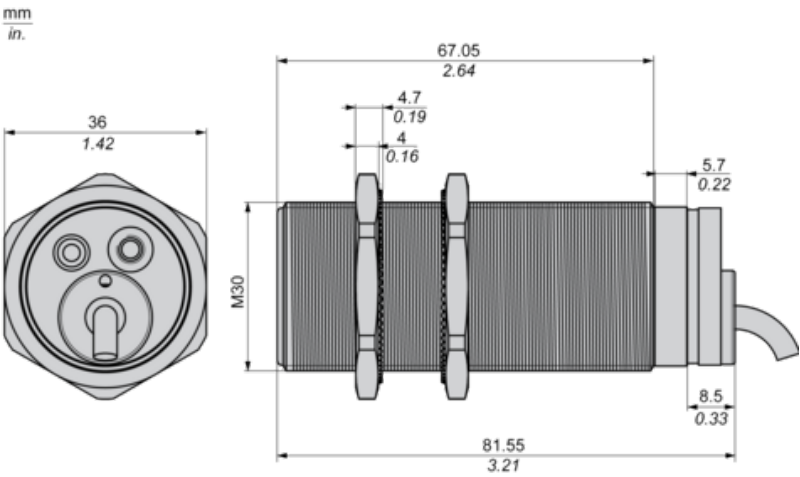
|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 223.0 g |
| Package 1 Height             | 4.1 cm  |
| Package 1 width              | 9.5 cm  |
| Package 1 Length             | 13.2 cm |
| Unit Type of Package 2       | S02     |
| Number of Units in Package 2 | 22      |
| Package 2 Weight             | 5.23 kg |
| Package 2 Height             | 15 cm   |
| Package 2 width              | 30 cm   |
| Package 2 Length             | 40 cm   |

### Offer Sustainability

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product                                                                             |
| REACH Regulation         | <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free             | Yes                                                                                               |

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| RoHS exemption information  | <a href="#">Yes</a>                           |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a> |
| Circularity Profile         | <a href="#">End of Life Information</a>       |
| <b>Contractual warranty</b> |                                               |
| Warranty                    | 18 months                                     |

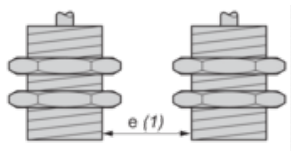
Dimensions



(1) LED

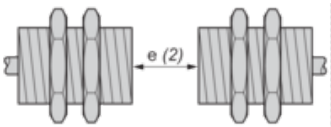
Minimum Mounting Distances

Side by side



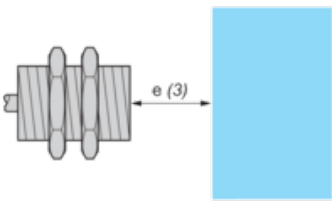
**e (1) ≥ 20 mm/0.79 in**

Face to face



**e (2) ≥ 120 mm/4.72 in**

Facing a metal object

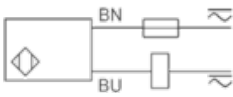


**e (3) ≥ 30 mm/1.18 in.**

Wiring Schemes

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2-wire AC or DC

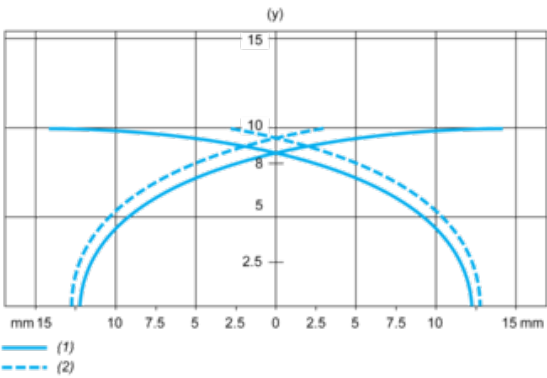


**BU** : Blue

**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