

# XSAV12801

Inductive proximity sensors XS, Rotation monitoring, M30, Sn10mm, 120...3000c/mn, 24...240VAC/DC, cable 2 m



## 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      | 0.39 in (10 mm)                              |
| Discrete output function           | 1 NC                                         |
| Output circuit type                | AC/DC                                        |
| Electrical connection              | Cable                                        |
| Cable length                       | 6.56 ft (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              | > 0.31...0.59 in (> 8...15 mm) |
| Adjustable frequency range | 120...3000 cyc/mn              |
| Operating zone             | 0.00...0.31 in (0...8 mm)      |
| Differential travel        | 3...15% of Fr                  |
| Repeat accuracy            | 3% of Sr                       |
| Cable composition          | 2 x 0.34 mm <sup>2</sup>       |
| 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        | <= 800 Hz                      |
| Maximum voltage drop       | <5.7 V closed)                 |
| Run-up delay at power-up   | 9 s standard                   |
| Marking                    | CE                             |

|                 |                      |
|-----------------|----------------------|
| Threaded length | 2.64 in (67 mm)      |
| Length          | 3.19 in (81 mm)      |
| Net Weight      | 0.66 lb(US) (0.3 kg) |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| Product Certifications                | CSA<br>UL<br>CCC           |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C) |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C) |

## Ordering and shipping details

|                   |                          |
|-------------------|--------------------------|
| Category          | 22486-SENSORS, PROXIMITY |
| Discount Schedule | DS2                      |
| GTIN              | 3389110528046            |
| Returnability     | Yes                      |
| Country of origin | FR                       |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 1.61 in (4.100 cm)      |
| Package 1 Width              | 3.74 in (9.500 cm)      |
| Package 1 Length             | 5.12 in (13.000 cm)     |
| Package 1 Weight             | 7.97 oz (226.0 g)       |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 22                      |
| Package 2 Height             | 5.91 in (15.000 cm)     |
| Package 2 Width              | 11.81 in (30.000 cm)    |
| Package 2 Length             | 15.75 in (40.000 cm)    |
| Package 2 Weight             | 11.66 lb(US) (5.287 kg) |

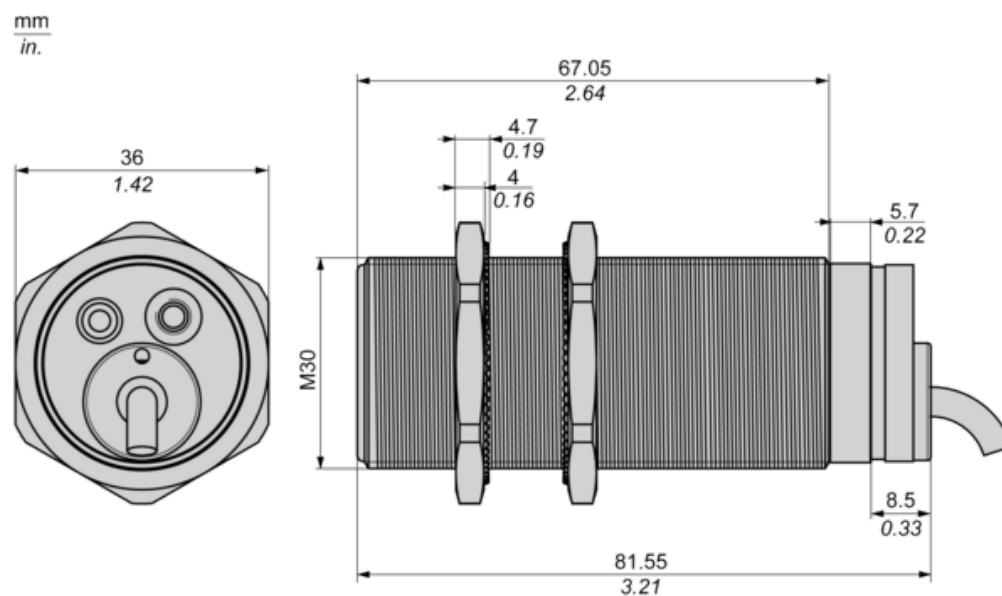
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <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>                                                                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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

Dimensions



(1) LED

## Minimum Mounting Distances

Side by side



$e (1) \geq 20 \text{ mm}/0.79 \text{ in}$

Face to face



$e (2) \geq 120 \text{ mm}/4.72 \text{ in}$

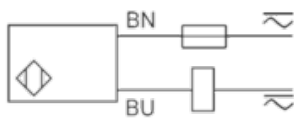
Facing a metal object



$e (3) \geq 30 \text{ mm}/1.18 \text{ in.}$

## Wiring Schemes

2-wire AC or DC



BU : Blue

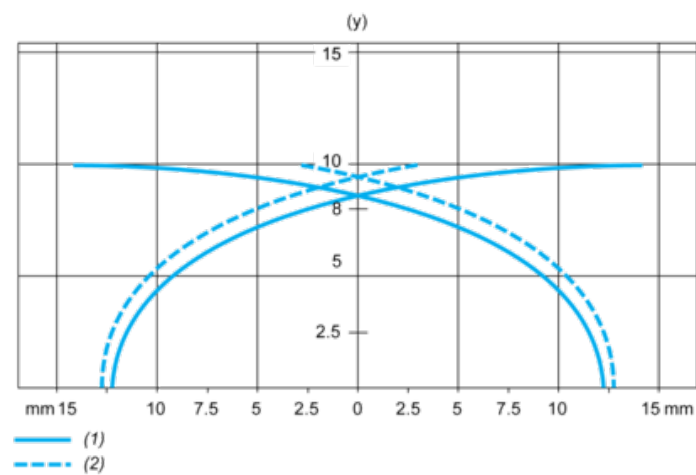
BN : Brown

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Performance Curves

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Standard Steel Target : 30x30x1 mm



- (1) Pick-up points  
(2) Drop-out points (object approaching from the side)  
(y) Sensing distance in mm

# Mouser Electronics

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[XSAV12801](#)