

# XS230SANAL2

Inductive proximity sensors XS, inductive sensor XS2 M30, L63mm, stainless, Sn22mm, 12...24 VDC, cable 2 m



## Main

|                                    |   |
|------------------------------------|---|
| Range of Product                   | Telemecanique Inductive proximity sensors XS                                    |
| Series name                        | Application   |
| Sensor Type                        | Inductive proximity sensor  |
| Device Application                 | Food and beverage   |
| Market Segment                     | Pharmaceutical  |
| Sensor name                        | XS2   |
| Sensor design                      | Cylindrical M30   |
| Size                               | 63 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Non flush mountable   |
| Material                           | Stainless steel   |
| Type of output signal              | Discrete  |
| Wiring Technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 0.87 in (22 mm)   |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Discrete output type               | NPN   |
| Electrical connection              | Cable   |
| Cable length                       | 6.56 ft (2 m)   |
| [Us] rated supply voltage          | 12...24 V DC reverse polarity protection  |
| Switching capacity in mA           | <= 200 mA overload and short-circuit protection                                 |
| 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       | Stainless steel 316 L           |
| Sensing range            | > 0.59...1.57 in (> 15...40 mm) |
| Operating zone           | 0.00...0.69 in (0...17.6 mm)    |
| Differential travel      | 1...15% of Sr                   |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>        |
| Wire insulation material | PVC                             |
| Status LED               | Output state 1 LED yellow)      |
| Supply voltage limits    | 10...36 V DC                    |
| Switching frequency      | <= 500 Hz                       |
| Maximum voltage drop     | <2 V closed)                    |
| Current consumption      | <= 10 mA no-load                |
| Maximum delay first up   | 10 ms                           |
| Maximum delay response   | 0.6 ms                          |
| Maximum delay recovery   | 1.4 ms                          |

|                 |                        |
|-----------------|------------------------|
| Marking         | CE                     |
| Threaded length | 1.61 in (41 mm)        |
| Length          | 2.48 in (63 mm)        |
| Product Weight  | 0.45 lb(US) (0.205 kg) |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product Certifications                | UL<br>CSA                               |
| Ambient Air Temperature for Operation | -13...185 °F (-25...85 °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          | 22486-SENSORS, PROXIMITY |
| Discount Schedule | DS2                      |
| GTIN              | 3389119113304            |
| Returnability     | No                       |
| Country of origin | FR                       |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 1.65 in (4.2 cm)  |
| Package 1 Width              | 3.74 in (9.5 cm)  |
| Package 1 Length             | 5.31 in (13.5 cm) |
| Package 1 Weight             | 7.05 oz (200 g)   |

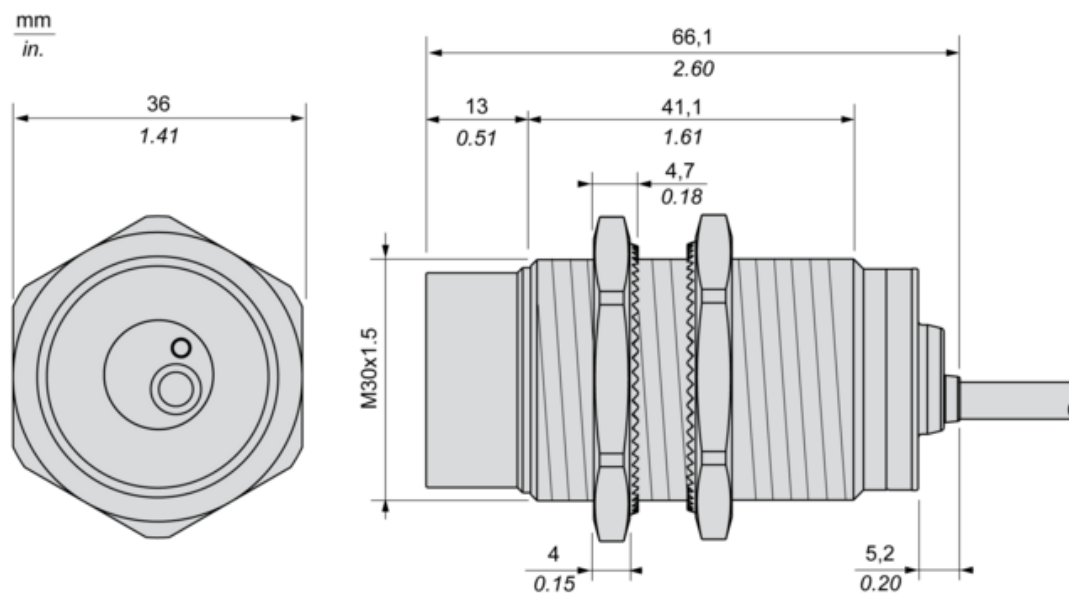
## Offer Sustainability

|                            |   |
|----------------------------|---|
| 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



## Minimum Mounting Distances in mm

Side by side



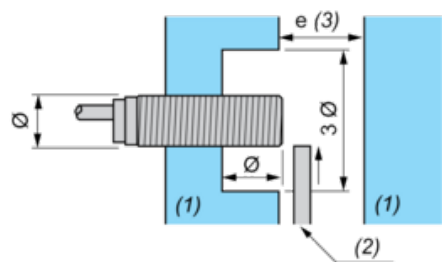
$e (1) \geq 120 \text{ mm}/4.72 \text{ in.}$

Face to face



$e (2) \geq 264 \text{ mm}/10.39 \text{ in.}$

Facing a metal object



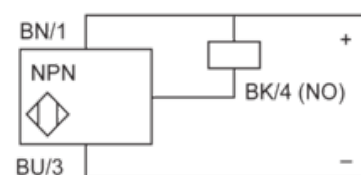
$e (3) \geq 66 \text{ mm}/2.60 \text{ in.}$

(4) Metal

(5) Object to be detected

## Wiring Schemes

NPN



BU : Blue

BN : Brown

BK : Black