

XS230BLNAM12

inductive sensor XS2 M30 - L68mm - brass -
Sn15mm - 12..24VDC - M12



Product availability: Stock - Normally stocked in distribution facility



Main

| | |
|-------------------------------|--|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS2 |
| Sensor design | Cylindrical M30 |
| Size | 68 mm |
| Body type | Fixed |
| Enclosure material | Nickel plated brass |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 0.59 in (15 mm) |
| Discrete output function | 1 NO |
| Discrete output type | NPN |
| Electrical connection | 4 pins M12 male connector |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| | |
|------------------------------------|---------------------------|
| ISO thread | M30 x 1.5 |
| Detection face | Frontal |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Metal |
| Front material | PBT |
| Operating zone | 0...0.47 in (0...12 mm) |
| Differential travel | 1...15% of Sr |
| Output circuit type | DC |
| Status LED | 1 LED yellow output state |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 300 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | <= 10 mA at no-load |
| Delay first up | <= 15 ms |
| Delay response | <= 0.2 ms |
| Delay recovery | <= 1.4 ms |
| Marking | CE |
| Threaded length | 1.34 in (34 mm) |
| Height | 1.18 in (30 mm) |
| Length | 2.68 in (68 mm) |
| Product weight | 0.19 lb(US) (0.085 kg) |

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Environment

| | |
|---------------------------------------|---|
| Product certifications | CSA UL |
| 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 amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms conforming to IEC 60068-2-27 |

Ordering and shipping details

| | |
|-----------------------|-----------------------------------|
| Category | 22414 - SENSORS, INDUCTIVE, BASIC |
| Discount Schedule | DS2 |
| GTIN | 00785901704225 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.2999999999999999 |
| Returnability | N |
| Country of origin | ID |

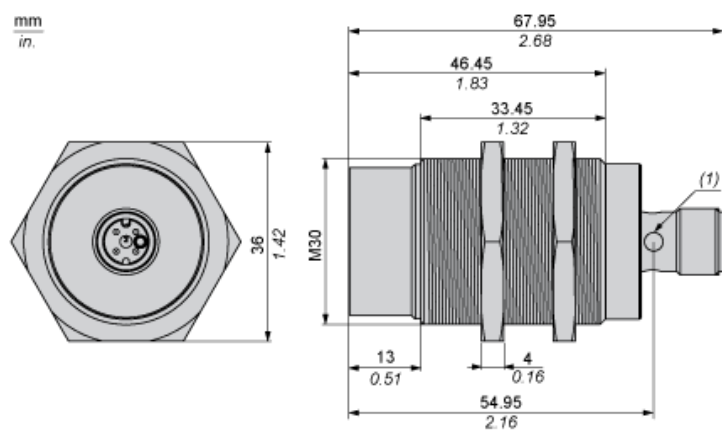
Offer Sustainability

| | |
|----------------------------------|--|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0903 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| - - - - - Substance 1 | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and |
| - - - - - Substance 2 | Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| - - - - - More information | For more information go to www.p65warnings.ca.gov |

Contractual warranty

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

Dimensions



Minimum Mounting Distances

Side by side



e (1) 60 mm/2.36 in.

≥

Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object



e (3) 45 mm/1.77 in.

≥

Mounted in a metal support

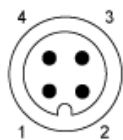


d ≥ 90 mm/3.54 in.

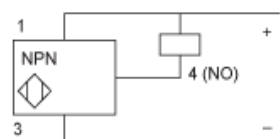
h ≥ 30 mm/1.18 in.

Wiring Schemes

M12 connector



NPN



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output

Performance Curves

Standard Steel Target : 45x45x1 mm



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