

# XS630B5NAM12

inductive sensor XS6 M30 - L74mm - brass -  
Sn30mm - 12..48VDC - M12



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor  |
| Device application                 | Mobile equipment  |
| Sensor name                        | XS6   |
| Sensor design                      | Cylindrical M30   |
| Size                               | 74 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Non flush mountable   |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 30 mm   |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Discrete output type               | NPN   |
| Electrical connection              | Male connector M12 4 pins   |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection                         |
| Switching capacity in mA           | <= 200 mA DC with overload and short-circuit protection               |
| IP degree of protection            | IP65 conforming to IEC 60529<br>IP69K<br>IP67 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...24 mm                       |
| Differential travel   | 1...15% of Sr                   |
| Status LED            | 1 LED (yellow) for output state |
| Supply voltage limits | 10...58 V DC                    |
| Switching frequency   | <= 500 Hz DC                    |
| Voltage drop          | <= 2 V, closed state            |
| Current consumption   | <= 10 mA (no-load)              |
| Delay first up        | <= 15 ms                        |
| Delay response        | <= 0.6 ms                       |
| Delay recovery        | <= 1.4 ms                       |
| Marking               | CE                              |
| Threaded length       | 39 mm                           |
| Length                | 74 mm                           |
| Product weight        | 0.145 kg                        |

## Environment

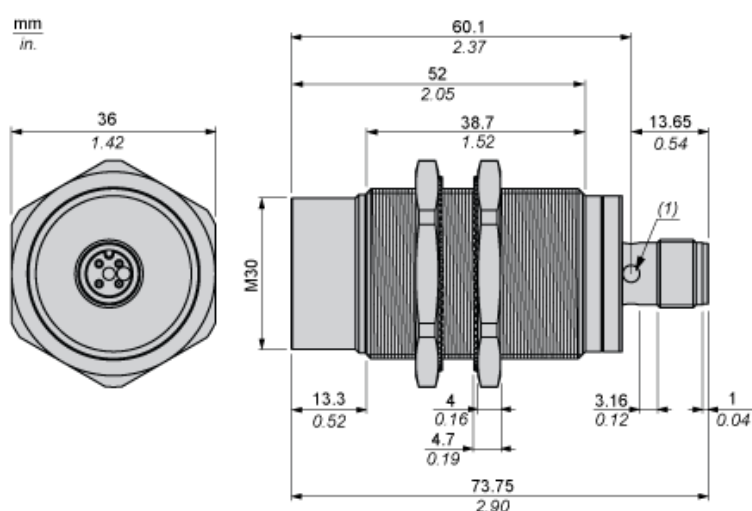
|                                       |   |
|---------------------------------------|---|
| product certifications                | CSA<br>UL<br>E2   |
| ambient air temperature for operation | -25...70 °C   |
| ambient air temperature for storage   | -40...85 °C   |
| vibration resistance                  | 25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| shock resistance                      | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27                   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1550 - Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                     |
| Product environmental profile    | Available   |
| Product end of life instructions | Available   |

## Dimensions

### With M12 Connector

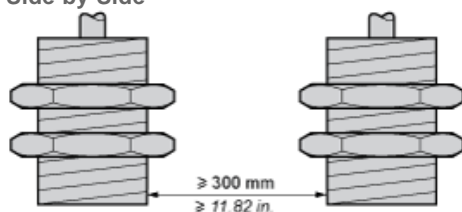


(1) Yellow LED (Output state indication)

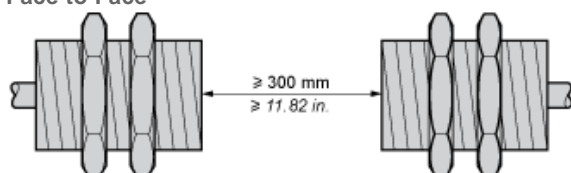
## Mounting and Clearance

### Minimum Mounting Distances

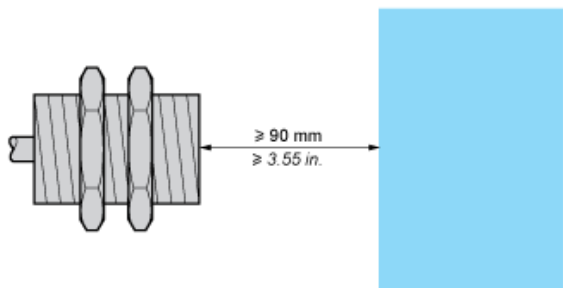
#### Side by Side



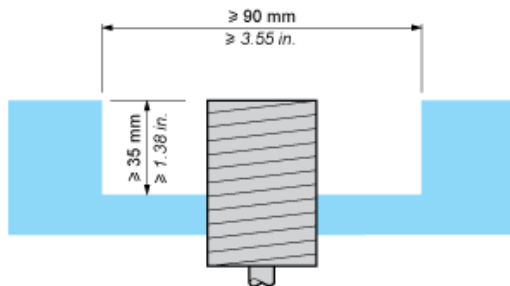
#### Face to Face



#### Facing a Metal Object



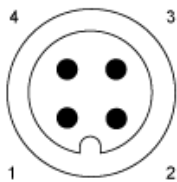
Mounted in a Metal Support



## Connection and Schema

### Wiring Schemes

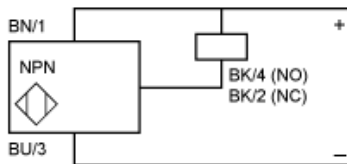
M12 connector



## Connection and Schema

### Wiring Schemes

NPN 3-wire



BN : Brown

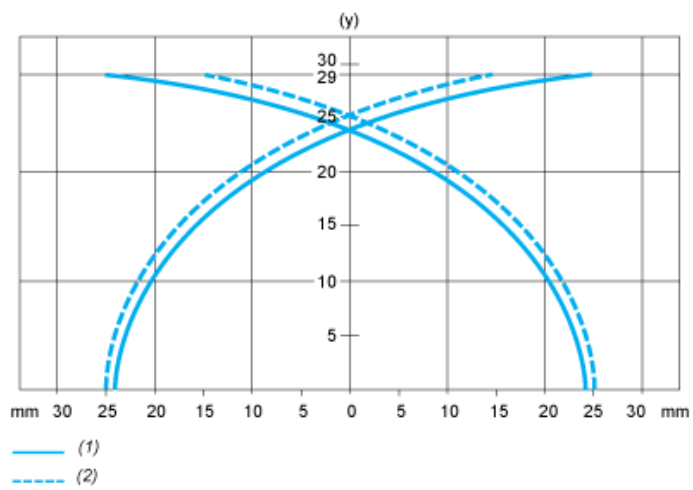
BK : Black

BU : Blue

## Performance Curves

Standard Steel Target: 45 x 45 x 1 mm

Operating zone: 0...24 mm



(y) Sensing distance in mm

(1) Pick-up points

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