

# XS530B1CAM12

inductive sensor XS5 M30 - L74mm - brass -  
Sn10mm - 12..48VDC - M12



Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor                                    |
| Device application                 | -   |
| Sensor name                        | XS5   |
| Sensor design                      | Cylindrical M30   |
| Size                               | 74 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Flush mountable   |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 2-wire  |
| [Sn] nominal sensing distance      | 0.39 in (10 mm)   |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Electrical connection              | Male connector M12 4 pins, pin assignment : 1-4               |
| [Us] rated supply voltage          | 12...48 V DC  |
| Switching capacity in mA           | 1.5...100 mA DC with overload and short-circuit protection    |
| IP degree of protection            | IP67 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    | Nickel plated brass         |
| Operating zone        | 0...0.31 in (0...8 mm)      |
| Differential travel   | 1...15% of Sr               |
| Status LED            | 1 LED (yellow) output state |
| Supply voltage limits | 10...58 V DC                |
| Residual current      | <= 0.5 mA, open state       |
| Switching frequency   | <= 2000 Hz                  |
| Voltage drop          | <= 4 V, closed state        |
| Delay first up        | <= 10 ms                    |
| Delay response        | <= 0.3 ms                   |
| Delay recovery        | <= 0.3 ms                   |
| Marking               | CE                          |
| Threaded length       | 2.05 in (52 mm)             |
| Height                | 1.18 in (30 mm)             |
| Length                | 2.91 in (74 mm)             |
| Product weight        | 0.32 lb(US) (0.145 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)  |
| 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                   |

## Ordering and shipping details

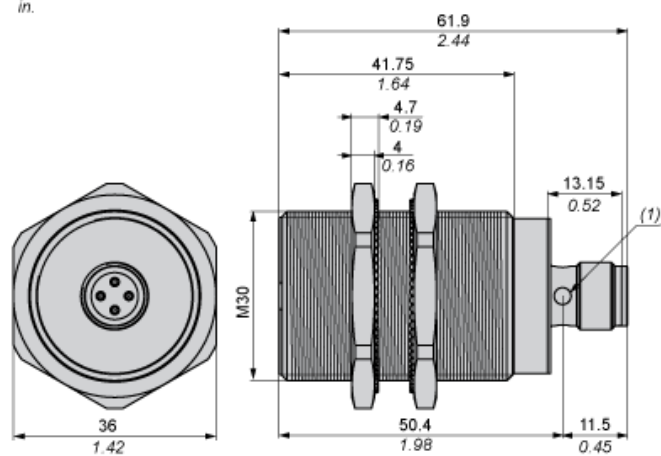
|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 003389110405187            |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.31                       |
| Returnability         | N                          |
| Country of origin     | FR                         |

## Offer Sustainability

|                                  |  |
|----------------------------------|--|
| Sustainable offer status         | Green Premium product  |
| RoHS (date code: YYWW)           | Compliant - since 0814 - 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            | Di-isodecyl 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>  |

## Contractual warranty

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

$$\frac{\text{mm}}{\text{in.}}$$


(1) LED

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Minimum Mounting Distances

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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

### 2-Wire Non-polarised

M12 connector



NO output



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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

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