

# XS512BLNAM12

inductive sensor XS5 M12 - L62mm - brass -  
Sn2mm - 12..48VDC - M12



## Main

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Range of product                   | OsiSense XS                                        |
| Series name                        | General purpose                                    |
| Sensor type                        | Inductive proximity sensor                         |
| Device application                 | -                                                  |
| Sensor name                        | XS5                                                |
| Sensor design                      | Cylindrical M12                                    |
| Size                               | 62 mm                                              |
| Body type                          | Fixed                                              |
| Detector flush mounting acceptance | Flush mountable                                    |
| Material                           | Metal                                              |
| Type of output signal              | Discrete                                           |
| Wiring technique                   | 3-wire                                             |
| [Sn] nominal sensing distance      | 2 mm                                               |
| Discrete output function           | 1 NO                                               |
| Output circuit type                | DC                                                 |
| Discrete output type               | NPN                                                |
| Electrical connection              | 4 pins M12 male connector                          |
| [Us] rated supply voltage          | 12...48 V DC reverse polarity protection           |
| Switching capacity in mA           | <= 200 mA DC overload and short-circuit protection |
| IP degree of protection            | IP67 IEC 60529<br>IP69K DIN 40050                  |

## Complementary

|                        |                             |
|------------------------|-----------------------------|
| Thread type            | M12 x 1                     |
| Detection face         | Frontal                     |
| Front material         | PPS                         |
| Enclosure material     | Nickel Plated Brass         |
| Operating zone         | 0.00...0.06 in (0...1.6 mm) |
| Differential travel    | 1...15% of Sr               |
| Status LED             | Output state 1 LED yellow)  |
| Supply voltage limits  | 10...58 V DC                |
| Switching frequency    | <= 5000 Hz                  |
| Maximum voltage drop   | <2 V closed)                |
| Current consumption    | <= 10 mA no-load            |
| Maximum delay first up | 10 ms                       |
| Maximum delay response | 0.1 ms                      |
| Maximum delay recovery | 0.1 ms                      |
| Marking                | CE                          |
| Threaded length        | 1.65 in (42 mm)             |
| Height                 | 0.47 in (12 mm)             |
| Length                 | 2.44 in (62 mm)             |
| Net weight             | 0.04 lb(US) (0.02 kg)       |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product certifications                | CSA<br>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 +/- 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                  | 03389119046503             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 1 lb(US) (0.45 kg)         |
| Returnability         | No                         |
| Country of origin     | FR                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.61 in (4.1 cm)       |
| Package 1 width              | 2.52 in (6.4 cm)       |
| Package 1 Length             | 3.70 in (9.4 cm)       |
| Unit Type of Package 2       | BAG                    |
| Number of Units in Package 2 | 1                      |
| Package 2 Weight             | 1.48 oz (42 g)         |
| Package 2 Height             | 0.59 in (1.5 cm)       |
| Package 2 width              | 7.87 in (20 cm)        |
| Package 2 Length             | 5.91 in (15 cm)        |
| Unit Type of Package 3       | S02                    |
| Number of Units in Package 3 | 44                     |
| Package 3 Weight             | 5.00 lb(US) (2.267 kg) |
| Package 3 Height             | 5.91 in (15 cm)        |
| Package 3 width              | 11.81 in (30 cm)       |
| Package 3 Length             | 15.75 in (40 cm)       |

## 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 |
|----------|-----------|