

# XS118BLPAL5

inductive sensor XS1 M18 - L53mm - brass -  
Sn5mm - 12..24VDC - cable 5m



## Main

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Range of product              | OsiSense XS                                     |
| Series name                   | General purpose                                 |
| Sensor type                   | Inductive proximity sensor                      |
| Sensor name                   | XS1                                             |
| Sensor design                 | Cylindrical M18                                 |
| Size                          | 53 mm                                           |
| Body type                     | Fixed                                           |
| Enclosure material            | Nickel plated brass                             |
| Type of output signal         | Discrete                                        |
| Wiring technique              | 3-wire                                          |
| [Sn] nominal sensing distance | 0.20 in (5 mm)                                  |
| Discrete output function      | 1 NO                                            |
| Discrete output type          | PNP                                             |
| Electrical connection         | Cable                                           |
| Cable length                  | 16.40 ft (5 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       | IP67 IEC 60529                                  |

## Complementary

|                                    |                            |
|------------------------------------|----------------------------|
| ISO thread                         | M18 x 1                    |
| Detection face                     | Frontal                    |
| Detector flush mounting acceptance | Flush mountable            |
| Material                           | Metal                      |
| Front material                     | PBT                        |
| Operating zone                     | 0.00...0.16 in (0...4 mm)  |
| Differential travel                | 1...15% of Sr              |
| Output circuit type                | DC                         |
| Cable composition                  | 3 x 0.14 mm <sup>2</sup>   |
| Wire insulation material           | PVC                        |
| Status LED                         | Output state 1 LED yellow) |
| Supply voltage limits              | 10...36 V DC               |
| Switching frequency                | <= 1200 Hz                 |
| Maximum voltage drop               | <2 V closed)               |
| Current consumption                | <= 10 mA no-load           |
| Maximum delay first up             | 15 ms                      |
| Maximum delay response             | 0.1 ms                     |
| Maximum delay recovery             | 0.3 ms                     |
| Marking                            | CE                         |
| Threaded length                    | 1.61 in (41 mm)            |
| Maximum Height                     | 0.71 in (18 mm)            |
| Length                             | 2.09 in (53 mm)            |
| Net Weight                         | 0.50 lb(US) (0.225 kg)     |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| 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              | 22414 - SENSORS, INDUCTIVE, BASIC |
| Discount Schedule     | DS2                               |
| GTIN                  | 00785901578635                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 0.53 lb(US) (0.24 kg)             |
| Returnability         | No                                |
| Country of origin     | ID                                |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.700 dm |
| Package 1 width  | 1.000 dm |
| Package 1 Length | 1.300 dm |

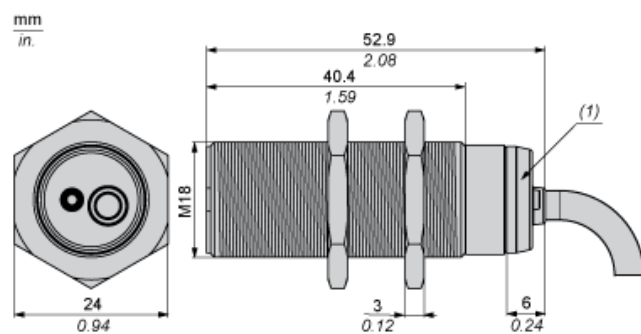
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                        |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</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



(1) LED

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Minimum Mounting Distances

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Side by side



e (1) 10 mm/0.39 in.

≥

Face to face



e (2) 60 mm/2.36 in.

≥

Facing a metal object



e (3) 15 mm/0.60 in

≥

## Wiring Schemes

PNP



BU : Blue  
BN : Brown  
BK : Black

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Performance Curves

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Standard Steel Target : 18x18x1 mm



- (1) Pick-up points  
(2) Drop-out points (object approaching from the side)  
(y) Sensing distance in mm