

# XS118B3PAL5

inductive sensor XS1 M18 - L39mm - brass -  
Sn8mm - 12..24VDC - cable 5m



Price\* : 40.02 GBP



## Main

|                                    |                                                              |
|------------------------------------|--------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                  |
| Series name                        | General purpose                                              |
| Sensor type                        | Inductive proximity sensor                                   |
| Device application                 | Mobile equipment                                             |
| Sensor name                        | XS1                                                          |
| Sensor design                      | Cylindrical M18                                              |
| Size                               | 39 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      | 8 mm                                                         |
| Discrete output function           | 1 NO                                                         |
| Output circuit type                | DC                                                           |
| Discrete output type               | PNP                                                          |
| Electrical connection              | Cable                                                        |
| Cable length                       | 5 m                                                          |
| [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            | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529 |
| Sale per indivisible quantity      | 1                                                            |

## Complementary

|                |         |
|----------------|---------|
| Thread type    | M18 x 1 |
| Detection face | Frontal |

|                          |                                 |
|--------------------------|---------------------------------|
| Front material           | PPS                             |
| Enclosure material       | Nickel plated brass             |
| Operating zone           | 0...6.4 mm                      |
| Differential travel      | 1...15% of Sr                   |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>        |
| Wire insulation material | PvR                             |
| Status LED               | 1 LED (yellow) for output state |
| Supply voltage limits    | 10...36 V DC                    |
| Switching frequency      | <= 1000 Hz                      |
| Voltage drop             | <= 2 V (closed state)           |
| Current consumption      | <= 10 mA (no-load)              |
| Delay first up           | <= 10 ms                        |
| Delay response           | <= 0.3 ms                       |
| Delay recovery           | <= 0.7 ms                       |
| Marking                  | CE                              |
| Threaded length          | 28 mm                           |
| Length                   | 39 mm                           |

## 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                   |

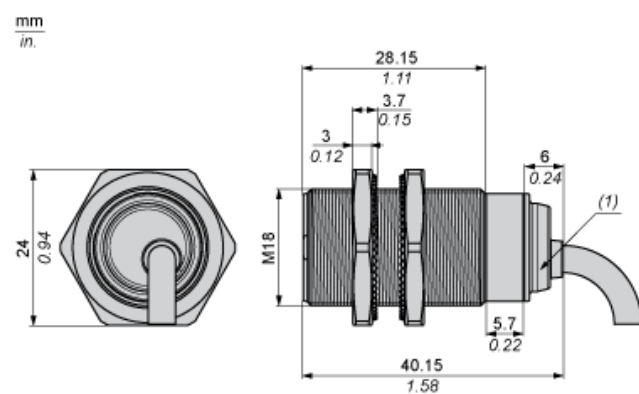
## Offer Sustainability

|                                  |                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                                     |
| RoHS (date code: YYWW)           | Compliant - since 0838 - Schneider Electric declaration of conformity<br><a href="#"> Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                                                                                                    |
| Product environmental profile    | Available<br><a href="#"> End of Life Information</a>                                                                                  |
| Product end of life instructions | Available                                                                                                                                                                                                                 |

## Contractual warranty

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

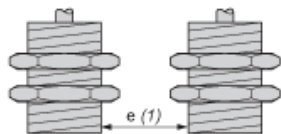
## Dimensions



(1) LED

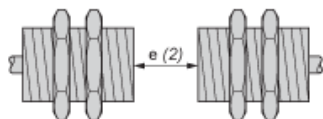
## Minimum Mounting Distances

Side by side



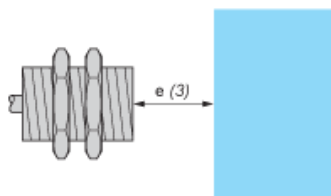
$e (1) \geq 16 \text{ mm}/0.63 \text{ in.}$

Face to face



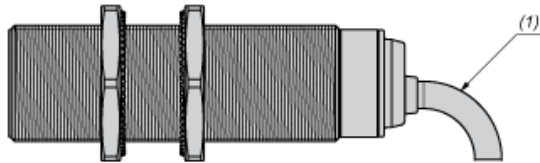
$e (2) \geq 100 \text{ mm}/3.94 \text{ in.}$

Facing a metal object



$e (3) \geq 25 \text{ mm}/0.98 \text{ in}$

## Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

