

# XS8C1A1NAL2

inductive sensor XS8 40x40x15 - PBT -  
Sn25mm - 12..24VDC - cable 2m



## Main

|                                    |                                                                        |
|------------------------------------|------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                            |
| Series name                        | General purpose                                                        |
| Sensor type                        | Inductive proximity sensor                                             |
| Device application                 | -                                                                      |
| Sensor name                        | XS8                                                                    |
| Sensor design                      | Flat form 40 x 40 x 15                                                 |
| Size                               | 15 mm                                                                  |
| Body type                          | Fixed                                                                  |
| Detector flush mounting acceptance | Non flush mountable                                                    |
| Material                           | Plastic                                                                |
| Enclosure material                 | PBT                                                                    |
| Type of output signal              | Discrete                                                               |
| Wiring technique                   | 3-wire                                                                 |
| [Sn] nominal sensing distance      | 0.59 in (15 mm) flush mountable<br>0.98 in (25 mm) non flush mountable |
| Discrete output function           | 1 NO                                                                   |
| Output circuit type                | DC                                                                     |
| Discrete output type               | NPN                                                                    |
| Electrical connection              | Cable                                                                  |
| Cable length                       | 6.56 ft (2 m)                                                          |
| [Us] rated supply voltage          | 12...24 V DC reverse polarity protection                               |
| Switching capacity in mA           | <= 200 mA DC overload and short-circuit protection                     |
| IP degree of protection            | IP68 double insulation IEC 60529                                       |

## Complementary

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| Detection face           | Frontal                                                                                      |
| Front material           | PBT                                                                                          |
| Fine adjustment zone     | 0.31...0.59 in (8...15 mm) flush mountable<br>0.31...0.98 in (8...25 mm) non flush mountable |
| Differential travel      | 1...15% of Sr                                                                                |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>                                                                     |
| Wire insulation material | PvR                                                                                          |
| Supply voltage limits    | 10...36 V DC                                                                                 |
| Maximum residual current | 1.5 mA open state                                                                            |
| Switching frequency      | <= 1000 Hz                                                                                   |
| Maximum voltage drop     | <2 V (closed)                                                                                |
| Current consumption      | <= 10 mA no-load                                                                             |
| Maximum delay first up   | 10 ms                                                                                        |
| Maximum delay response   | 0.3 ms                                                                                       |
| Maximum delay recovery   | 0.8 ms                                                                                       |
| Marking                  | CE                                                                                           |
| Maximum Depth            | 0.59 in (15 mm)                                                                              |
| Maximum Height           | 1.57 in (40 mm)                                                                              |
| Maximum Width            | 1.57 in (40 mm)                                                                              |
| Net Weight               | 0.21 lb(US) (0.095 kg)                                                                       |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product certifications                | Ecolab<br>UL<br>CSA                     |
| 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                  | 00785901409618             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.28 lb(US) (0.13 kg)      |
| Returnability         | No                         |
| Country of origin     | FR                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.65 in (4.2 cm)       |
| Package 1 width              | 3.78 in (9.6 cm)       |
| Package 1 Length             | 5.20 in (13.2 cm)      |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 11                     |
| Package 2 Weight             | 3.58 lb(US) (1.622 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 5.91 in (15 cm)        |
| Package 2 Length             | 15.75 in (40 cm)       |

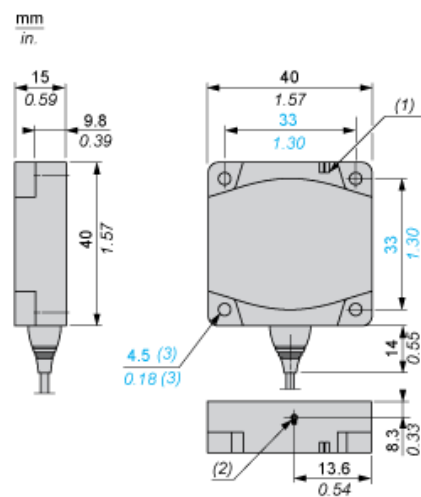
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                        |
| California proposition 65  | WARNING: This product can expose you to chemicals including: 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>                                                                                                                                                                                                                                                                |

## Contractual warranty

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

## Dimensions

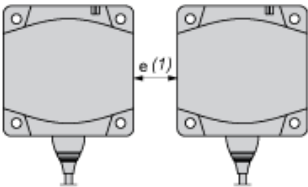


- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

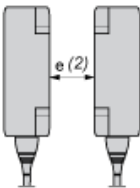
Setting-up

Minimum Mounting Distances (mm)

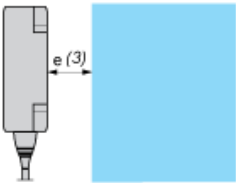
Side by Side



Face to Face



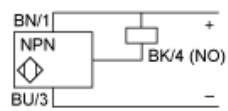
Facing a Metal Object



|                   | e (1) | e (2) | e (3) |
|-------------------|-------|-------|-------|
| Flush mounted     | 60    | 120   | 15    |
| Not flush mounted | 125   | 250   |       |

## Wiring Schemes

### NPN



BU : Blue  
BN : Brown  
BK : Black