

# XS7C2A1DBM12

inductive sensor XS7 40x40x70 - PBT - Sn15  
mm - 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                        | XS7                                                                                           |
| Sensor design                      | Form 40 x 40 x 70                                                                             |
| Size                               | 70 mm                                                                                         |
| Body type                          | Fixed                                                                                         |
| Detector flush mounting acceptance | Flush mountable                                                                               |
| Material                           | Plastic                                                                                       |
| Enclosure material                 | PBT                                                                                           |
| Type of output signal              | Discrete                                                                                      |
| Wiring technique                   | 2-wire                                                                                        |
| [Sn] nominal sensing distance      | 0.59 in (15 mm)                                                                               |
| Discrete output function           | 1 NC                                                                                          |
| Output circuit type                | DC                                                                                            |
| Electrical connection              | 4 pins M12 male connector                                                                     |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection                                                 |
| Switching capacity in mA           | 1.5...100 mA with overload and short-circuit protection                                       |
| IP degree of protection            | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                       |                           |
|-----------------------|---------------------------|
| Detection face        | 5 positions turret head   |
| Front material        | PBT                       |
| Operating zone        | 0...0.47 in (0...12 mm)   |
| Differential travel   | 3...15% of Sr             |
| Repeat accuracy       | <= 3% of Sr               |
| Status LED            | 1 LED yellow output state |
| Supply voltage limits | 10...58 V DC              |
| Residual current      | <= 0.6 mA open state      |
| Switching frequency   | <= 300 Hz                 |
| Voltage drop          | <= 4.2 V at closed state  |
| Delay first up        | <= 7.5 ms                 |
| Delay response        | <= 1.2 ms                 |
| Delay recovery        | <= 1.8 ms                 |
| Marking               | CE                        |
| Height                | 1.57 in (40 mm)           |
| Length                | 1.57 in (40 mm)           |
| Width                 | 2.76 in (70 mm)           |
| Product weight        | 0.33 lb(US) (0.149 kg)    |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA<br>CCC<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 amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms conforming to EN 60068-2-27                                 |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 003389119058018            |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.37                       |
| Returnability         | N                          |
| Country of origin     | FR                         |

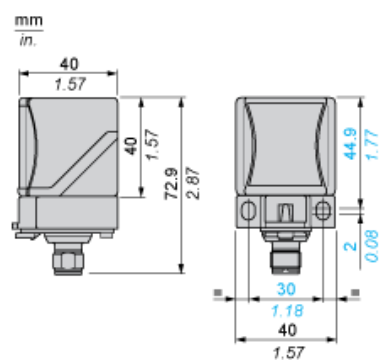
## Offer Sustainability

|                                  |                                                                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                  |
| RoHS (date code: YYWW)           | Compliant - since 1213 - 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 | Need no specific recycling operations                                                                                                                                                                  |
| 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

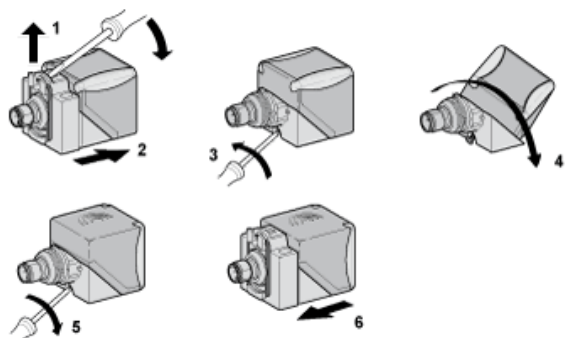
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions



## Mounting

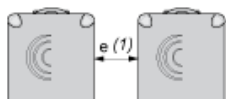
### Head Positions



### Setting-up Precautions

#### Minimum Mounting Distances (mm)

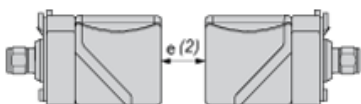
Side by Side



e (1) 60

≥

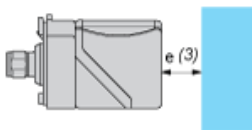
Face to Face



e (2) 120

≥

Facing a Metal Object



e (3) 45

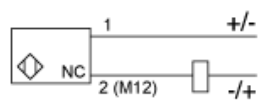
≥

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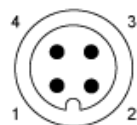
## Wiring Schemes

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### 2-Wire NC



M12



# Mouser Electronics

Authorized Distributor

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[XS7C2A1DBM12](#)