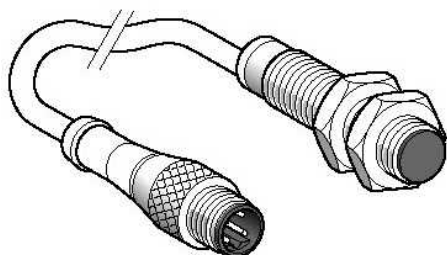


# XS1M12MA250K

inductive sensor XS1 M12 - L66mm - brass - Sn2mm - 24..240VAC/DC - 1/2"



Product availability: Stock - Normally stocked in distribution facility



## Main

|                                    |   |
|------------------------------------|---|
| Commercial Status                  | Commercialised  |
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor                                  |
| Product specific application       | 2-wire DC short-circuit protection                          |
| Sensor name                        | XS1   |
| Sensor design                      | Cylindrical M12   |
| Size                               | 66 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Flush mountable   |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 2-wire  |
| [Sn] nominal sensing distance      | 0.08 in (2 mm)  |
| Discrete output function           | 1 NO  |
| Output circuit type                | AC/DC   |
| Electrical connection              | 3 pins 1/2"20 UNF male connector                            |
| [Us] rated supply voltage          | 24...240 V AC 50/60 Hz<br>24...210 V DC                     |
| Switching capacity in mA           | 5...200 mA AC/DC with overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                                |

## Complementary

|                       |                              |
|-----------------------|------------------------------|
| ISO thread            | M12 x 1                      |
| Detection face        | Frontal                      |
| Front material        | PPS                          |
| Enclosure material    | Nickel plated brass          |
| Operating zone        | 0...0.06 in (0...1.6 mm)     |
| Differential travel   | 1...15% of Sr                |
| Status LED            | 1 LED red for output state   |
| Supply voltage limits | 20...264 V AC/DC             |
| Residual current      | <= 1.5 mA for open state     |
| Switching frequency   | <= 4000 Hz DC<br><= 25 Hz AC |
| Voltage drop          | <= 5.5 V at closed state     |
| Delay first up        | <= 70 ms                     |
| Delay response        | <= 0.2 ms                    |
| Delay recovery        | <= 0.2 ms                    |
| Marking               | CE                           |
| Threaded length       | 1.89 in (48 mm)              |
| Height                | 0.47 in (12 mm)              |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

|                |                        |
|----------------|------------------------|
| Length         | 2.6 in (66 mm)         |
| Product weight | 0.06 lb(US) (0.025 kg) |

## Environment

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

## Ordering and shipping details

|                       |   |
|-----------------------|---|
| Category              | 22486 - SENSORS, PROXIMITY                        |
| Discount Schedule     | DS2   |
| GTIN                  | 00785901915386                                    |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.11  |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y   |
| Country of origin     | FR  |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS                             | Compliant - since 0839 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                 |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

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