

# XS1M12MA250L1

inductive sensor XS1 M12 - L55mm - brass - Sn2mm - 24..240VAC/DC - cable 5m



Product availability: Non-Stock - Not 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                               | 55 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              | Cable   |
| Cable length                       | 16.4 ft (5 m)   |
| [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            | IP68 double insulation 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                |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PvR                          |
| 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 | 1.85 in (47 mm)                                 |
| Height          | 0.47 in (12 mm)                                 |
| Length          | 2.17 in (55 mm)                                 |
| Product weight  | 0.17 lb(US) (0.075 kg)<br>0.33 lb(US) (0.15 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                  | 003389110915396   |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.40  |
| Product availability  | Non-Stock - Not normally stocked in distribution facility |
| Returnability         | N   |
| 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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