

# XS2M30MA250L1

Inductive proximity sensors XS, inductive sensor XS2 M30, L63mm, brass, Sn15mm, 24...240VAC/DC, cable 5 m



## Main

|                                    |                                                                                                                      |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS                                                                         |
| Series name                        | General purpose                                                                                                      |
| Sensor type                        | Inductive proximity sensor                                                                                           |
| Wiring configuration               | 2-wire                                                                                                               |
| Output circuit type                | AC/DC                                                                                                                |
| Protection type                    | Short-circuit protection multi voltage                                                                               |
| Device application                 | 2-wire DC short-circuit protection                                                                                   |
| Sensor name                        | XS2                                                                                                                  |
| Sensor design                      | Cylindrical M30                                                                                                      |
| Size                               | 63 mm                                                                                                                |
| Body type                          | Fixed                                                                                                                |
| Detector flush mounting acceptance | Non flush mountable                                                                                                  |
| Material                           | Metal                                                                                                                |
| Type of output signal              | Discrete                                                                                                             |
| Wiring technique                   | 2-wire                                                                                                               |
| [Sn] nominal sensing distance      | 15 mm                                                                                                                |
| Discrete output function           | 1 NO                                                                                                                 |
| Electrical connection              | Cable                                                                                                                |
| Cable length                       | 5 m                                                                                                                  |
| [Us] rated supply voltage          | 24...210 V DC<br>24...240 V AC 50/60 Hz                                                                              |
| Switching capacity in mA           | 5...300 mA AC with overload and short-circuit protection<br>5...200 mA DC with overload and short-circuit protection |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529                                                                       |

## Complementary

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Thread type              | M30 x 1.5                                                |
| Detection face           | Frontal                                                  |
| Front material           | PPS                                                      |
| Enclosure material       | Nickel plated brass                                      |
| Operating zone           | 0...12 mm                                                |
| Differential travel      | 1...15% of Sr                                            |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>                                 |
| Wire insulation material | PvR                                                      |
| Status LED               | Output state: 1 LED (yellow)<br>Supply on: 1 LED (green) |
| Supply voltage limits    | 20...264 V AC/DC                                         |
| Maximum residual current | 1.5 mA open state                                        |
| Switching frequency      | <= 1000 Hz DC<br><= 25 Hz AC                             |
| Maximum voltage drop     | <5.5 V (closed state)                                    |
| Maximum delay first up   | 70 ms                                                    |
| Maximum delay response   | 2 ms                                                     |

|                        |                      |
|------------------------|----------------------|
| Maximum delay recovery | 10 ms                |
| Marking                | CE                   |
| Threaded length        | 41 mm                |
| Length                 | 63 mm                |
| Net weight             | 0.205 Kg<br>0.325 kg |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | UL<br>CSA<br>CCC                                                        |
| 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 for 11 ms conforming to IEC 60068-2-7                             |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 277 g    |
| Package 1 Height             | 6.6 cm   |
| Package 1 width              | 9.5 cm   |
| Package 1 Length             | 13.2 cm  |
| Unit Type of Package 2       | BAG      |
| Number of Units in Package 2 | 1        |
| Package 2 Weight             | 277 g    |
| Package 2 Height             | 4.5 cm   |
| Package 2 width              | 25 cm    |
| Package 2 Length             | 20 cm    |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 14       |
| Package 3 Weight             | 4.215 kg |
| Package 3 Height             | 15 cm    |
| Package 3 width              | 30 cm    |
| Package 3 Length             | 40 cm    |

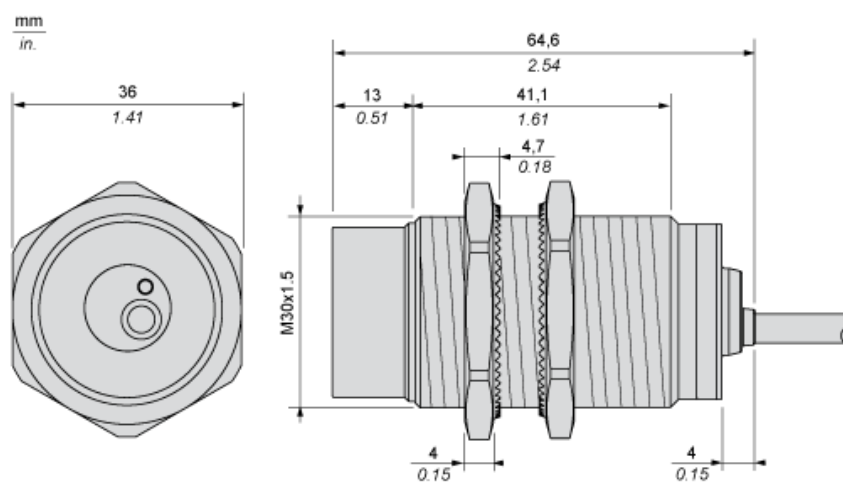
## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| REACH Regulation           |  <a href="#">REACH Declaration</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>                                                    |
| Circularity Profile        |  <a href="#">End Of Life Information</a>                                                          |

## Contractual warranty

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

Dimensions



## Minimum Mounting Distances

Side by side



e (1) 60 mm/2.36 in.

≥

Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object



e (3) 45 mm/1.77 in.

≥

Mounted in a metal support



d ≥ 90 mm/3.54 in.

h ≥ 30 mm/1.18 in.

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## Wiring Schemes

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### 2-Wire AC or DC

NO output



BU : Blue  
BN : Brown

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Performance Curves

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Standard Steel Target : 45x45x1 mm

