

# XS2M30MA250K

Inductive proximity sensors XS, inductive sensor XS2 M30, L75mm, brass, Sn15mm, 24...240VAC/DC, 1/2"



## 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                               | 75 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      | 0.59 in (15 mm)  |
| Discrete output function           | 1 NO   |
| Electrical connection              | Male connector 1/2"20 UNF, 3 pins  |
| [Us] rated supply voltage          | 24...210 V DC<br>24...240 V AC 50/60 Hz  |
| Switching capacity in mA           | 5...300 mA AC overload and short-circuit protection<br>5...200 mA DC overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529   |

## Complementary

|                          |  |
|--------------------------|--|
| Thread type              | M30 x 1.5  |
| Detection face           | Frontal  |
| Front material           | PPS  |
| Enclosure Material       | Nickel Plated Brass                                  |
| Operating zone           | 0.00...0.47 in (0...12 mm)                           |
| Differential travel      | 1...15% of Sr  |
| 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          | 1.61 in (41 mm)                                      |
| Length                   | 2.95 in (75 mm)                                      |
| Net Weight               | 0.32 lb(US) (0.145 kg)                               |

## 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 +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-7               |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 3389110918229              |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 5.22 oz (148 g)            |
| Returnability         | Yes                        |
| Country of origin     | FR                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.42 in (3.6 cm)       |
| Package 1 width              | 4.65 in (11.8 cm)      |
| Package 1 Length             | 4.45 in (11.3 cm)      |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 22                     |
| Package 2 Weight             | 7.93 lb(US) (3.597 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)       |
| Package 3 Height             | 5.91 in (15 cm)        |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| 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 |
|----------|-----------|



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Minimum Mounting Distances

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Side by side



e (1) 60 mm/2.36 in.

≥

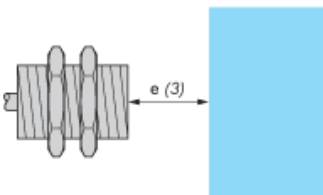
Face to face



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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1/2"-20UNF

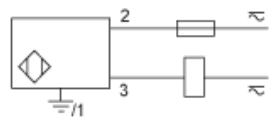


1 : Grounding

2 : AC

3 : AC

NO output



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Performance Curves

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Standard Steel Target : 45x45x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm