

# XS1M30MA250K

Inductive proximity sensors XS, inductive sensor XS1 M30, L72mm, brass, Sn10mm, 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                        | XS1                                                                                                        |
| Sensor design                      | Cylindrical M30                                                                                            |
| Size                               | 72 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      | 0.4 in (10 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           | 0.000000000...0.3 in (0...8 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      | <= 2000 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   | 5 ms                                                 |
| Marking                  | CE                                                   |
| Threaded length          | 2.008 in (51 mm)                                     |
| Length                   | 2.8 in (72 mm)                                       |
| Net Weight               | 0.320 lb(US) (0.145 kg)                              |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product Certifications                | CSA[RETURN]UL[RETURN]CCC                |
| 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          | US10DS222486  |
| Discount Schedule | 0DS2          |
| GTIN              | 3389110916058 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 1.65 in (4.200 cm)      |
| Package 1 Width              | 2.99 in (7.600 cm)      |
| Package 1 Length             | 4.69 in (11.900 cm)     |
| Package 1 Weight             | 5.362 oz (152.000 g)    |
| Unit Type of Package 2       | S01                     |
| Number of Units in Package 2 | 12                      |
| 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 2 Weight             | 4.762 lb(US) (2.160 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCIP Number                | 3bc2f5da-1620-4d53-878c-410a857f3212                                                                                                                                                                                                                                                                                                                                              |
| 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> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                                        |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                                                                           |
| Circularity Profile        |  <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                       |

## Contractual warranty

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