



## Main

|                               |   |
|-------------------------------|---|
| Range of Product              | Telemecanique Inductive proximity sensors XS    |
| Series name                   | General purpose                                 |
| Sensor Type                   | Inductive proximity sensor                      |
| Sensor name                   | XS1   |
| Sensor design                 | Cylindrical M8                                  |
| Size                          | 62 mm   |
| Body type                     | Fixed   |
| Enclosure Material            | Nickel Plated Brass                             |
| Type of output signal         | Discrete  |
| Wiring Technique              | 3-wire  |
| [Sn] nominal sensing distance | 0.06 in (1.5 mm)                                |
| Discrete output function      | 1 NO  |
| Discrete output type          | PNP   |
| Electrical connection         | Male connector M12, 4 pins                      |
| [Us] rated supply voltage     | 12...24 V DC reverse polarity protection        |
| Switching capacity in mA      | <= 200 mA overload and short-circuit protection |
| IP degree of protection       | IP67 conforming to IEC 60529                    |

## Complementary

|                                    |                             |
|------------------------------------|-----------------------------|
| ISO thread                         | M8 x 1                      |
| Detection face                     | Frontal                     |
| Detector flush mounting acceptance | Flush mountable             |
| Material                           | Metal                       |
| Front material                     | PPS                         |
| Operating zone                     | 0.00...0.05 in (0...1.2 mm) |
| Differential travel                | 1...15% of Sr               |
| Output circuit type                | DC                          |
| Status LED                         | Output state 1 LED yellow)  |
| Supply voltage limits              | 10...36 V DC                |
| Switching frequency                | <= 1000 Hz                  |
| Maximum voltage drop               | <2 V closed)                |
| Current consumption                | <= 10 mA no-load            |
| Maximum delay first up             | 15 ms                       |
| Maximum delay response             | 5 ms                        |
| Maximum delay recovery             | 0.3 ms                      |
| Marking                            | CE                          |
| Threaded length                    | 1.57 in (40 mm)             |
| Length                             | 2.44 in (62 mm)             |
| Net Weight                         | 0.03 lb(US) (0.015 kg)      |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product Certifications                | 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 +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27              |

## Ordering and shipping details

|                       |                                   |
|-----------------------|-----------------------------------|
| Category              | 22414 - SENSORS, INDUCTIVE, BASIC |
| Discount Schedule     | DS2                               |
| GTIN                  | 3389119001632                     |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 1.13 oz (32 g)                    |
| Returnability         | No                                |
| Country of origin     | ID                                |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.61 in (4.1 cm)       |
| Package 1 width              | 3.74 in (9.5 cm)       |
| Package 1 Length             | 2.56 in (6.5 cm)       |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 44                     |
| Package 2 Weight             | 4.11 lb(US) (1.863 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 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 |
|----------|-----------|