

Inductive proximity sensors XS, inductive sensor XS5 M12, L62mm, brass, Sn2mm, 12...48 VDC, M12



Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | Telemecanique Inductive proximity sensors XS                  |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor                                    |
| Device application                 | -   |
| Sensor name                        | XS5   |
| Sensor design                      | Cylindrical M12   |
| Size                               | 61 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      | 2 mm  |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Electrical connection              | Male connector M12, 4 pins                                    |
| [Us] rated supply voltage          | 12...48 V DC  |
| Switching capacity in mA           | 1.5...100 mA DC with overload and short-circuit protection    |
| IP degree of protection            | IP67 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

Complementary

|                          |                              |
|--------------------------|------------------------------|
| Thread type              | M12 x 1                      |
| Detection face           | Frontal                      |
| Front material           | PPS                          |
| Enclosure material       | Nickel plated brass          |
| Operating zone           | 0...1.6 mm                   |
| Differential travel      | 1...15% of Sr                |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 10...58 V DC                 |
| Maximum residual current | 0.5 mA open state            |
| Switching frequency      | <= 4000 Hz                   |
| Maximum voltage drop     | <4 V (closed)                |
| Maximum delay first up   | 10 ms                        |
| Maximum delay response   | 0.2 ms                       |
| Maximum delay recovery   | 0.2 ms                       |
| Marking                  | CE                           |
| Threaded length          | 42 mm                        |
| Length                   | 62 mm                        |
| Net weight               | 0.035 kg                     |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA[RETURN]CCC[RETURN]UL  |
| Ambient air temperature for operation | -40...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 60068-2-27                            |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 4.2 cm |
| Package 1 Width              | 9.5 cm |
| Package 1 Length             | 6.5 cm |
| Package 1 Weight             | 40.0 g |

## Offer Sustainability

|  |   |
|--|---|
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisobutyl 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>  |

## Contractual warranty

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