

Inductive proximity sensors XS, inductive sensor XS6 M18, L40mm, brass, Sn8mm, 12...24 VDC, cable 2 m



#### Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | Telemecanique Inductive proximity sensors XS                                    |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor  |
| Sensor name                        | XS6   |
| Sensor design                      | Cylindrical M18   |
| Size                               | 40 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      | 8 mm  |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Electrical connection              | Cable   |
| Cable length                       | 2 m   |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection                                   |
| Switching capacity in mA           | <= 100 mA DC with overload and short-circuit protection                         |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

#### Complementary

|                          |                              |
|--------------------------|------------------------------|
| Thread type              | M18 x 1                      |
| Detection face           | Frontal                      |
| Front material           | PPS                          |
| Enclosure material       | Nickel plated brass          |
| Sensing range            | > 4...8 mm                   |
| Operating zone           | 0...6.4 mm                   |
| Differential travel      | 1...15% of Sr                |
| Cable composition        | 2 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PVC                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 10...36 V DC                 |
| Switching frequency      | <= 1000 Hz DC                |
| Maximum voltage drop     | <4 V (closed)                |
| Maximum delay first up   | 10 ms                        |
| Maximum delay response   | 0.3 ms                       |
| Maximum delay recovery   | 0.3 ms                       |
| Marking                  | CE                           |
| Threaded length          | 28 mm                        |
| Length                   | 40 mm                        |
| Net weight               | 0.11 kg                      |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA[RETURN]JUL  |
| 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 60068-2-27                            |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 4.000 cm  |
| Package 1 Width              | 9.600 cm  |
| Package 1 Length             | 11.600 cm |
| Package 1 Weight             | 91.000 g  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 44        |
| Package 2 Height             | 30 cm     |
| Package 2 Width              | 30 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 4.521 kg  |

## Offer Sustainability

|  |   |
|--|---|
| Sustainable offer status                   | Green Premium product   |
| Circularity Profile                        |  End of Life Information  |
| 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>  |

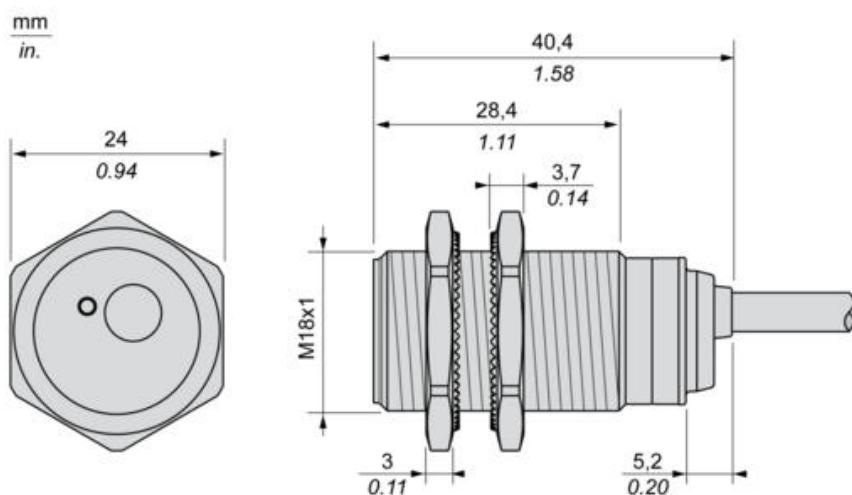
## Contractual warranty

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

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Dimensions

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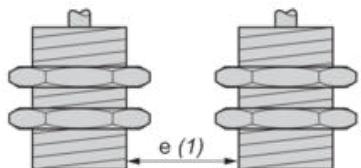


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### Minimum Mounting Distances

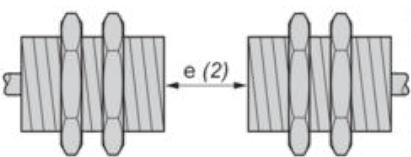
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Side by side



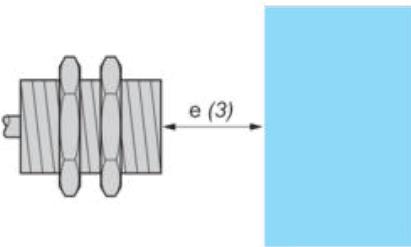
$e (1) \geq 16 \text{ mm/0.63 in.}$

Face to face



$e (2) \geq 100 \text{ mm/3.94 in.}$

Facing a metal object

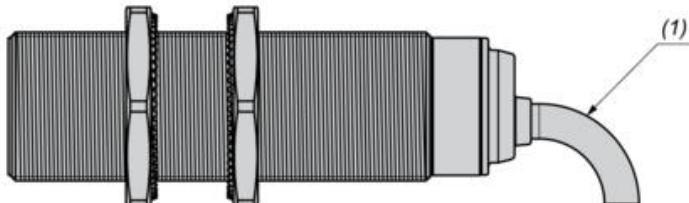


$e (3) \geq 25 \text{ mm/0.98 in}$

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### Mounting

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(1) Bending cable: 4 x external cable diameter

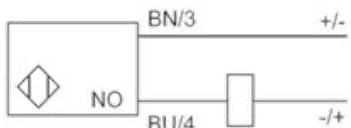
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### Wiring Schemes

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#### 2-Wire Non-polarised

NO output



BU : Blue

BN : Brown