

# Product data sheet

# XS630B4NAM12

Inductive sensor, XS6, M30, brass, Sn 22 mm, NPN, NO, M12 connector, L74 mm, 12...48 VDC, non-flush, 3 wires

## Main

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|---|---|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | General purpose |
| Sensor name | XS6 |
| Sensor type | Inductive proximity sensor |
| Sensor design | Cylindrical M30 |
| Device application | Mobile equipment |
| ETIM classification | ETIM 9 - EC002714 - Inductive proximity switch |
| Body type | Fixed |
| Material | Metal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| [Sn] nominal sensing distance | 22 mm |
| Wiring technique | 3-wire |
| Detector flush mounting acceptance | Non flush mountable |
| Delay response | 0.6 ms |
| Thread type | M30 x 1.5 |
| Product certifications | CSA<br>E2<br>UL |
| Marking | CE |
| Indivisible sale quantity | 1 |

## Complementary

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|---|---|
| Sensing range | > 15...40 mm |
| Electrical connection | Male connector M12, 4 pins |
| Supply voltage limits | 10-58 V DC |
| [Us] rated supply voltage | 12...48 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC with overload and short-circuit protection |
| Voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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|---|---|
| Status LED | Output state: 1 LED (yellow) |
| Output circuit type | DC |
| Type of output signal | Discrete |
| Detection face | Frontal |
| Discrete output type | NPN |
| Discrete output function | 1 NO |
| Switching frequency | <= 500 Hz DC |
| Differential travel | 1...15 % of Sr |
| Delay first up | 10 ms |
| Delay recovery | 1.4 ms |
| Threaded length | 41 mm |
| Length | 74 mm |
| Size | 74 mm |
| Product weight | 0.145 kg |

## Environment

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| IP degree of protection | IP67 conforming to IEC 60529, IP69K conforming to DIN 40050 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 10-55 Hz) conforming to IEC 60068-2-6 |

## Offer Sustainability

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|---|---|
| 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 www.P65Warnings.ca.gov |

## Warranty

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

## Packing Units

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|---|---|
| Country of origin | FR (France) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916011669 |
| Package 1 height | 4.2 cm |
| Package 1 width | 6.5 cm |
| Package 1 length | 9.5 cm |
| Package 1 weight | 0.154 kg |

| | |
|---|---|
| Unit type of package 2 | S01 |
| Number of units in package 2 | 11 |
| New Package 2 GTIN 14 | 13666916011666 |
| Package 2 height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 1.919 kg |
| Unit type of package 3 | S02 |
| Number of units in package 3 | 44 |
| New Package 3 GTIN 14 | 23666916011663 |
| Package 3 height | 15 cm |
| Package 3 width | 30 cm |
| Package 3 length | 40 cm |
| Package 3 weight | 7.143 kg |