

# Product data sheet

# XUB9APYNM12

Photoelectric sensor XUB, plastic, polarised reflex, Sn 5 m, M12, IO-Link, PNP/NPN, NO/NC

## Main

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|---|---|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Sensor name | XUB |
| Electronic sensor type | Photo-electric sensor |
| Sensor design | Cylindrical M18 |
| ETIM classification | ETIM 9 - EC002717 - Retroreflective photoelectric sensor |
| Material | Plastic |
| Lens material | PMMA |
| Enclosure material | PC/PBT |
| [Sn] nominal sensing distance | 5-5 m polarised reflex need reflector XUZC50 |
| Maximum sensing distance | 5 m polarised reflex |
| Wiring technique | 4 wires |
| Diameter | 18 mm |
| Detection system | Polarised reflex |
| Line of sight type | Axial |
| Delay response | 0.5 ms |
| Indivisible sale quantity | 1 |

## Complementary

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| Sensing range | 0.05...7 m |
| Electrical connection | 1 male connector M12, 4 pins |
| Supply voltage limits | 10-30 V DC |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply circuit type | DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Maximum voltage drop | <2 V (closed state)no-load |
| Current consumption | < 30 mA no load |
| Emission | Red LED polarised reflex |
| Setting-up | Sensitivity by IO-Link<br>sensitivity by potentiometer |

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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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| Output type | Discrete |
| Type of output signal | Discrete |
| Discrete output type | IOLINK<br>PNP/NPN autodetect |
| Discrete output function | 1 NO or 1 NC programmable |
| Switching frequency | 1000 Hz |
| Status LED | 1 LED (green) for supply on/stability, 1 LED (orange) for output state |
| Delay first up | 300 ms |
| Delay recovery | 0.5 ms |
| Length | 44 mm |
| Product weight | 0.06 kg |

## Environment

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| IP degree of protection | IP67 conforming to IEC 60529, IP65 conforming to IEC 60529, IP69K conforming to DIN 40050-9 |
| Ambient air temperature for operation | -30…55 °C |
| Ambient air temperature for operation | -30-55 °C |
| Ambient air temperature for storage | -40…70 °C |
| Shock resistance | 30 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27 |
| Vibration resistance | 7 gn, amplitude = +/- 1.5 mm (f = 10-55 Hz)for every axis conforming to IEC 60068-2-6 |
| Relative humidity | 35-95 % |
| Immunity to ambient light | 40000 lux sunlight, 10000 lux incandescent light |

## 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. Fo 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 | ID (Indonesia) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916034248 |
| Package 1 height | 1.8 cm |
| Package 1 width | 1.6 cm |
| Package 1 length | 4.4 cm |
| Package 1 weight | 0.04 kg |

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|---|---|
| Unit type of package 2 | S02 |
| Number of units in package 2 | 48 |
| New Package 2 GTIN 14 | 13666916034245 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 2.92 kg |
| Unit type of package 3 | P06 |
| Number of units in package 3 | 768 |
| New Package 3 GTIN 14 | 23666916034242 |
| Package 3 height | 70 cm |
| Package 3 width | 60 cm |
| Package 3 length | 80 cm |
| Package 3 weight | 44.26 kg |