

XURU1KSMM12

Photoelectric sensors XU, XUR, diffuse, luminescence, Sn 9 mm, 12...24 VDC, M12



Main

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| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | Application packaging |
| Electronic sensor type | Photo-electric sensor |
| Product specific application | Luminescence |
| Sensor name | XUR |
| Sensor design | Compact |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 7 Mm spot Ø 2.5 mm need lens XURZ01 9 Mm spot Ø 5 mm without lens 18 mm spot Ø 7 mm need lens XURZ02 |
| Material | Metal |
| Type of output signal | Analogue Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP or NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Analogue output range | 0...7 V, DC |
| Electrical connection | 1 male connector M12 adjustable 3 positions, 4 pins |
| Emission | Ultra-violet (transmission frequency = 370 nm) |

Complementary

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| Enclosure material | Zinc alloy |
| Lens material | Glass |
| Output type | Solid state |
| Output function governance | Light or dark programmable |
| Add on output | With analogue output |
| Status LED | Teach mode: 1 LED (green) Output state: 1 LED (red) |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10...30 V DC |
| Switching capacity in mA | <= 200 mA (reverse polarity, overload and short-circuit protection) |
| Switching frequency | <= 2000 Hz |
| Maximum voltage drop | <1 V (closed state), NPN <2 V (closed state), PNP |
| Current consumption | <= 20 mA no-load |
| Time delay range | 20 ms off-delay activation/deactivation by internal switch delay |
| Maximum delay first up | 100 ms |
| Maximum delay response | 0.25 ms |
| Maximum delay recovery | 0.25 ms |
| Setting-up | Sensitivity adjustment with teach mode |
| Depth | 58 mm |
| Height | 82 mm |
| Width | 31 mm |
| Net weight | 0.55 kg |

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. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

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| Product certifications | CE |
| Ambient air temperature for operation | -10...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 7 gn, amplitude = +/- 0.6 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529 |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.5 cm |
| Package 1 Width | 9.8 cm |
| Package 1 Length | 16.0 cm |
| Package 1 Weight | 352.0 g |

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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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| Warranty | 18 months |
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