

XUYFLNEP100120

Photoelectric sensors XU, XUY, fork, laser, pot +/-, 120X95mm, 12...24 VDC, M8



Main

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| Range of Product | Telemecanique Photoelectric sensors XU |
| Series name | Application |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUY |
| Sensor design | Fork |
| Detection system | Thru beam |
| Emission | Infrared laser, modulated - class 1 IEC 825-1 |
| Passage width | 4.72 in (120 mm) |
| Passage depth | 3.74 in (95 mm) |
| Material | Metal/plastic |
| Supply circuit type | DC |
| Wiring Technique | 4-wire |
| Discrete output type | PNP and NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | 1 male connector M8, 4 pins |
| Product Specific Application | Detection of transparent object Detection of reference marks Detection on small conveyor Detection on vibrating rail |
| [Sn] nominal sensing distance | 4.72 in (120 mm) |

Complementary

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|---------------------------------------|---|
| Enclosure Material | Painted aluminium and polyamide/glass |
| Keypad Type | Green |
| Minimum object diameter for detection | 0.00 in (0.05 mm) |
| Type of output signal | Discrete |
| Output Type | Solid state |
| Status LED | Adjustment mode and keypad locking 1 LED red) Output state 1 LED yellow) |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Supply voltage limits | 10...30 V DC |
| Switching capacity in mA | 100 mA overload and short-circuit protection) |
| Switching frequency | 10 kHz |
| Maximum voltage drop | <2 V closed state) |
| Current consumption | 40 mA no-load |
| Load capacitance | 330 nF |
| Time response | -20...20 µs |
| Setting-up | Sensitivity by numeric potentiometer |
| Net Weight | 0.42 lb(US) (0.19 kg) |

Environment

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|---------------------------------------|---|
| Product Certifications | CE cULus |
| Ambient Air Temperature for Operation | -4...140 °F (-20...60 °C) |
| Ambient Air Temperature for Storage | -22...176 °F (-30...80 °C) |
| Immunity to ambient light | 10000 Lux natural light 5000 lux incandescent bulb |
| Vibration resistance | 7 gn +/- 0.75 mm 10...55 Hz) IEC 60068-2-6 |

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|-------------------------|-----------------------------|
| Shock resistance | 30 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP65 IEC 60529 |

Ordering and shipping details

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|-------------------|------------------------------|
| Category | 22481-SENSORS, PHOTOELECTRIC |
| Discount Schedule | DS2 |
| GTIN | 3389119007023 |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 0.59 in (1.5 cm) |
| Package 1 Width | 6.30 in (16.0 cm) |
| Package 1 Length | 5.12 in (13.0 cm) |
| Package 1 Weight | 4.51 oz (128.0 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 |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |

Contractual warranty

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| Warranty | 18 months |
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