



Main

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|-------------------------------|--|
| Range of product | OsiSense XU |
| Series name | Application |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUY |
| Sensor design | Fork |
| Detection system | Thru beam |
| Emission | Infrared LED, modulated |
| Passage width | 3.15 in (80 mm) |
| Passage depth | 1.65 in (42 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 on vibrating rail Detection of labels Detection on small conveyor Detection of double sheet Detection of reference marks |
| [Sn] nominal sensing distance | 3.15 in (80 mm) |

Complementary

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|---------------------------------------|---|
| Enclosure material | Painted aluminium and polyamide/glass |
| Keypad type | Yellow |
| Minimum object diameter for detection | 0.01 in (0.2 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 with 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 | Self teaching |
| 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 |
| Shock resistance | 30 gn 11 ms) IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to IEC 60529 |

Ordering and shipping details

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|-----------------------|--------------------------------|
| Category | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule | DS2 |
| GTIN | 03389119006453 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.2 lb(US) (0.09 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 0.79 in (2 cm) |
| Package 1 width | 6.30 in (16 cm) |
| Package 1 Length | 5.12 in (13 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 12 |
| Package 2 Weight | 2.64 lb(US) (1.197 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 5.91 in (15 cm) |
| Package 2 Length | 15.75 in (40 cm) |

Offer Sustainability

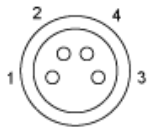
| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause 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 |
|----------|-----------|

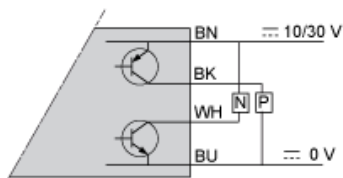
Wiring Schemes

M8 Connector



- 1 : BN: Brown
- 2 : WH: White
- 3 : BU: Blue
- 4 : BK: Black

4-Wire, PNP/NPN Outputs



- BN : Brown
- WH : White
- BK : Black
- BU : Blue