



Main

| | |
|-------------------------------|---|
| 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 laser, modulated (class 1) conforming to IEC 825-1 |
| Passage width | 1.18 in (30 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 of reference marks Detection of transparent object Detection on vibrating rail Detection on small conveyor |
| [Sn] nominal sensing distance | 1.18 in (30 mm) |

Complementary

| | |
|---------------------------------------|---|
| Enclosure material | Painted aluminium and polyamide/glass |
| Keypad type | Green |
| Minimum object diameter for detection | 0 in (0.05 mm) |
| Type of output signal | Discrete |
| Output type | Solid state |
| Status LED | 1 LED (red) adjustment mode and keypad locking 1 LED (yellow) output state |
| [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 |
| 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 |
| Product weight | 0.42 lb(US) (0.19 kg) |

Environment

| | |
|---------------------------------------|--|
| 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 with natural light 5000 lux with incandescent bulb |
| vibration resistance | 7 gn, amplitude = +/- 0.75 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27 |



BN : Brown

WH :White

BK : Black

BU : Blue