



Main

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|-------------------------------|-----------------------------|
| Range of product | OsiSense XU |
| Series name | General purpose |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUVR |
| Sensor design | Fork |
| Detection system | Thru beam |
| Emission | Red LED, modulated |
| Passage width | 80 mm |
| Passage depth | 60 mm |
| Material | Metal/plastic |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | NPN |
| Discrete output function | 1 NO |
| Electrical connection | 1 male connector M8, 3 pins |
| Product specific application | Detection on small conveyor |
| [Sn] nominal sensing distance | 80 mm |

Complementary

| | |
|---------------------------|--|
| Enclosure material | Painted aluminium and polyamide/glass |
| Spot diameter | 0.8 mm |
| Type of output signal | Discrete |
| Output type | Solid state |
| Status LED | 1 LED (yellow) for 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 | 4000 Hz |
| Voltage drop | <= 1.5 V (closed state) |
| Current consumption | < 20 mA (no-load) |
| Product weight | 0.19 kg |

Disclaimer: 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

Environment

| | |
|---------------------------------------|--|
| Product certifications | CE CSA UL |
| Ambient air temperature for operation | -10...60 °C |
| Ambient air temperature for storage | -40...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 |
| IP degree of protection | IP65 IP67 |

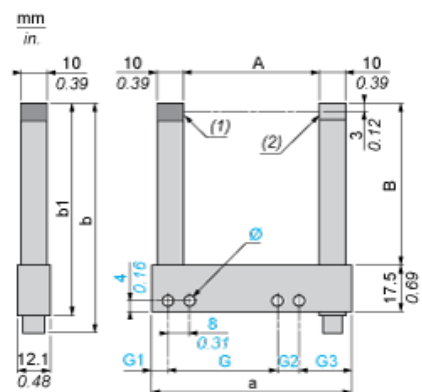
Offer Sustainability

| | |
|------------------------|---|
| RoHS (date code: YYWW) | Compliant - since 0906 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
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Contractual warranty

| | |
|-----------------|-----------|
| Warranty period | 18 months |
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Dimensions



- (1) Transmission LED
- (2) Yellow LED: output signal

Dimensions in mm

| Passageway A | Depth B | a | b | b1 | G | G1 | G2 | G3 | ∅ |
|--------------|---------|-----|------|------|----|-----|----|------|---------|
| 80 | 60 | 104 | 85.7 | 77.5 | 70 | 6.5 | 8 | 19.5 | 4 x 4.3 |

Dimensions in in.

| Passageway A | Depth B | a | b | b1 | G | G1 | G2 | G3 | ∅ |
|--------------|---------|------|------|------|------|------|------|------|-------------|
| 3.15 | 2.36 | 4.09 | 3.37 | 3.05 | 2.76 | 0.26 | 0.31 | 0.77 | 0.16 x 0.17 |

Wiring Schemes

M8 Connector



- 1 : BN: Brown
- 3 : BU: Blue
- 4 : BK: Black

NPN Output

