

XUYFRS250S

photo-electric sensor - XUV - frame -
200X250mm - 12..24VDC - M12



Main

| | |
|---------------------------------------|---|
| Range of product | OsiSense XU |
| Series name | Application material handling |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUY |
| Sensor design | Frame |
| Detection system | Thru beam |
| Emission | Infrared |
| Way dimensions of optical frame | 200 x 250 mm |
| Material | Metal |
| Supply circuit type | DC |
| Wiring technique | 4-wire |
| Discrete output type | PNP or NPN |
| Discrete output function | 1 NO or 1 NC programmable |
| Electrical connection | M12 1 male connector, 4 pins |
| Product specific application | Dynamic detection of passage of objects Static detection of passage of objects |
| Minimum object diameter for detection | Dynamic mode : 10 mm (0.1...70 m/s) Static mode : 15 mm |

Complementary

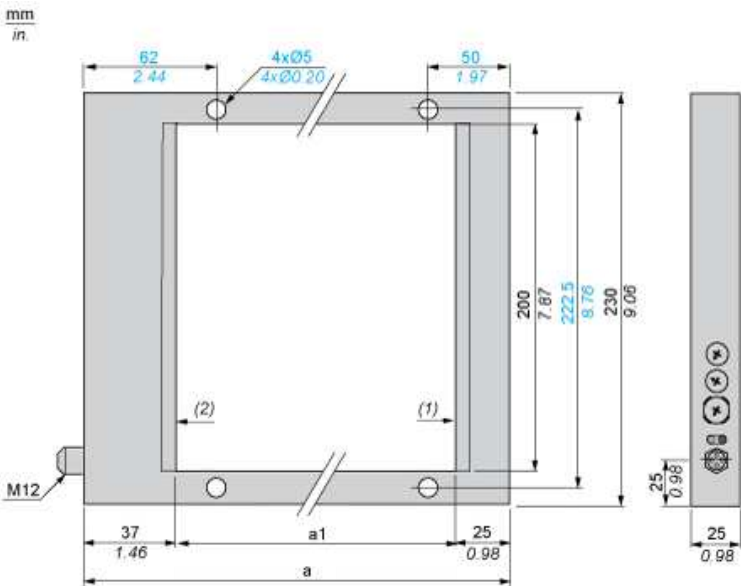
| | |
|---------------------------|---|
| Enclosure material | Painted aluminium |
| Lens material | Altuglass |
| Type of output signal | Discrete |
| Output type | Solid state |
| Status LED | 1 LED (red) for alarm 1 LED (amber) for output state |
| [Us] rated supply voltage | 24 V DC with reverse polarity protection |
| Supply voltage limits | 18...30 V DC |
| Switching capacity in mA | <= 100 mA (overload and short-circuit protection) |
| Switching frequency | > 5000 Hz |
| Voltage drop | < 2 V (closed state) |
| Current consumption | <= 150 mA (no-load) |
| Time delay range | 0...5 s off-delay delay |
| Delay first up | <= 100 ms |
| Delay recovery | < 0.1 ms |
| Setting-up | Sensitivity adjustment with potentiometer |
| Depth | 25 mm |
| Height | 230 mm |
| Width | 335 mm |
| Product weight | 1.32 kg |

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Environment

| | |
|---------------------------------------|--|
| Product certifications | CE CULus |
| Ambient air temperature for operation | 0...60 °C |
| Ambient air temperature for storage | -20...80 °C |
| Immunity to ambient light | <= 3000 lux with incandescent bulb <= 10000 lux with natural light |
| Vibration resistance | 25 gn, amplitude = +/- 2 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 conforming to IEC 60529 |

Dimensions



- (1) Transmitting face
(2) Reception face

Dimensions in mm

| a | a1 |
|-----|-----|
| 312 | 250 |

Dimensions in in.

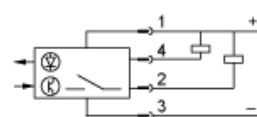
| a | a1 |
|-------|------|
| 12.28 | 9.84 |

Wiring Schemes (4-Wire DC)

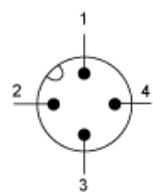
PNP Output



NPN Output



Connector Scheme



- 1 : +
- 2 : Not connected
- 3 : -
- 4 : Output