



Main

| | |
|-------------------------------|---|
| Range of product | OsiSense XU |
| Series name | Application assembly |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUA |
| Sensor design | Cylindrical M8 |
| Detection system | Thru beam |
| Material | Metal |
| Line of sight type | Axial |
| Type of output signal | Discrete |
| Supply circuit type | DC |
| Wiring technique | 3-wire |
| Discrete output type | PNP |
| Discrete output function | 1 NO |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| Product specific application | - |
| Emission | Infrared thru beam |
| [Sn] nominal sensing distance | 6.56 ft (2 m) thru beam need a transmitter XUAH0203 |

Complementary

| | |
|---------------------------|--|
| Enclosure material | Nickel Plated Brass |
| Lens material | PMMA |
| Maximum sensing distance | 13.12 ft (4 m) |
| Output type | Solid state |
| Add on output | Without |
| Cable composition | 3 x 0.14 mm ² |
| Wire insulation material | PvR |
| Cable outer diameter | 0.14 in (3.5 mm) |
| Status LED | 1 LED yellow)output state |
| [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 | <= 2000 Hz |
| Maximum voltage drop | <1 V closed state) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 20 ms |
| Maximum delay response | 0.25 ms |
| Maximum delay recovery | 0.25 ms |
| Setting-up | Without sensitivity adjustment |
| Diameter | 0.31 in (8 mm) |
| Length | 1.85 in (47 mm) |
| Net Weight | 0.03 lb(US) (0.015 kg) |

Environment

| | |
|---------------------------------------|--|
| Product certifications | CE CULus |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C) |
| Ambient air temperature for storage | -22...158 °F (-30...70 °C) |
| Vibration resistance | 7 gn +/- 1 mm 10...55 Hz IEC 60068-2-6 |
| Shock resistance | 30 gn 11 ms IEC 60068-2-27 |
| IP degree of protection | IP65 IEC 60529 |

Ordering and shipping details

| | |
|-----------------------|--------------------------------|
| Category | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule | DS2 |
| GTIN | 00785901737032 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.17 lb(US) (0.08 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.69 in (4.3 cm) |
| Package 1 width | 2.56 in (6.5 cm) |
| Package 1 Length | 3.78 in (9.6 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 3.08 lb(US) (1.398 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) |

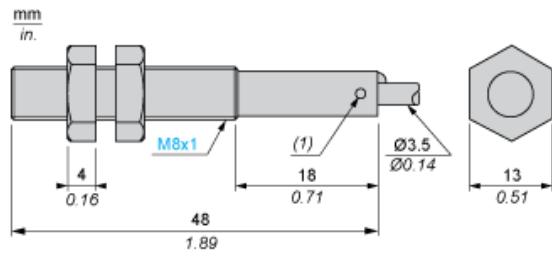
Offer Sustainability

| | |
|----------------------------|---|
| 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

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

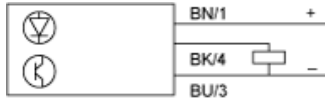
Dimensions



(1) LED, 4 viewing ports at 90°
Note Fixing nut tightening torque : <2N.m

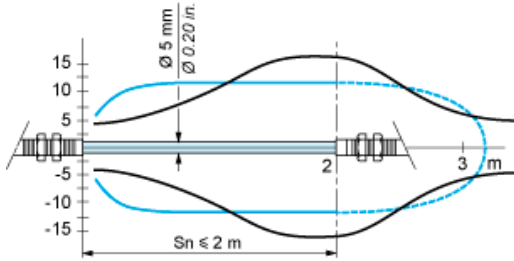
Wiring Schemes

PNP

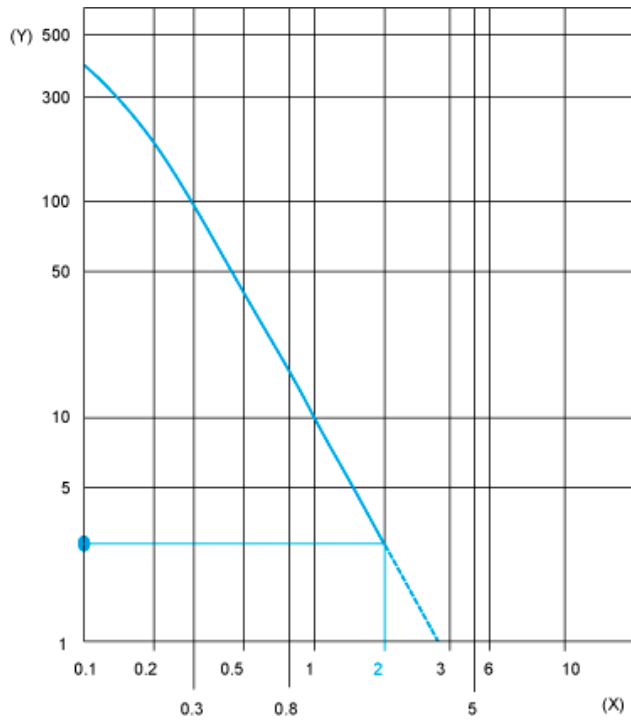


BN : Brown
BU : Blue
BK : Black

Detection Curves



Excess Gain Curves (Ambient temperature: $\pm 25\text{ }^{\circ}\text{C}$)



(Y) Gain
(X) Distance (m)