Product data sheet
Characteristics

XUAH0203
Photoelectric sensors XU, XUA, emitter, 12...24 VDC, cable 2 m

Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	Application assembly
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUA
Sensor design	Cylindrical M8
Detection system	Thru beam
Material	Metal
Line of sight type	Axial
Supply circuit type	DC
Wiring Technique	3-wire
Electrical connection	Cable
Cable length	6.56 ft (2 m)
Emission	Infrared thru beam
[Sn] nominal sensing distance	6.56 ft (2 m) thru beam need a receiver

Complementary

Enclosure Material	Nickel Plated Brass
Lens material	PMMA
Add on input	Test by emission breaking
Cable composition	3 x 0.14 mm²
Wire insulation material	PvR
Cable outer diameter	0.14 in (3.5 mm)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10…30 V DC
Current consumption	<= 15 mA
Maximum delay first up	20 ms
Setting-up	Without sensitivity adjustment
Diameter	0.31 in (8 mm)
Length	1.89 in (48 mm)
Net Weight	0.11 lb(US) (0.05 kg)

Environment

Product Certifications	CE[RETURN]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	IP67 IEC 60529 IP65 IEC 60529

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389110427141
Returnability	No
Country of origin	FR

Packing Units

|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	2.64 in (6.7 cm)
Package 1 Length	3.74 in (9.5 cm)
Package 1 Weight	1.69 oz (48.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	5.91 in (15.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	2.95 lb(US) (1.338 kg)

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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

Telemecanique
Sensors

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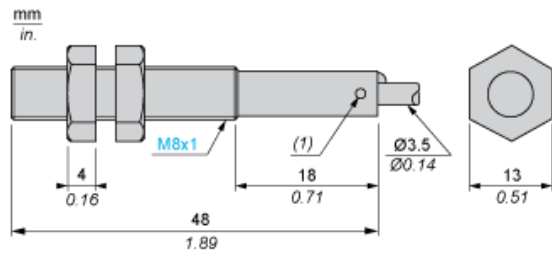
(1) LED, 4 viewing ports at 90°
Note :Fixing nut tightening torque : <2N.m

Wiring Schemes

Transmitter

```
        ┌──────────────┐
        │  ┌───┐       │─── BN/1 ──────── +
        │  │ Y │       │
        │  └───┘       │─── BU/3 ──────── –
        │              │
        └──────┬───────│─── VI/4
               └────────┘
```
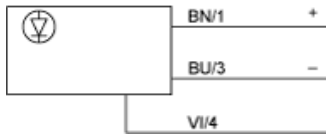
BN : Brown
BU : Blue
VI : Violet

Beam Break Test

```
    [=]━━━━╮  BN  +          [=]━━━━╮  BN  +
          │   VI                   │   VI
          │  o │                   │  o╲
          │  o                     │  o
          ╰─ BU –                  ╰─ BU –

       (1)                      (2)
```
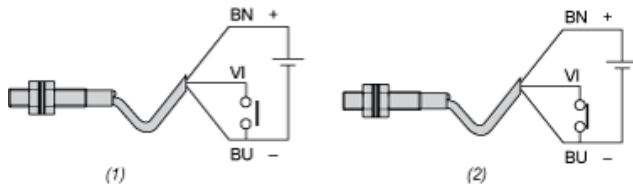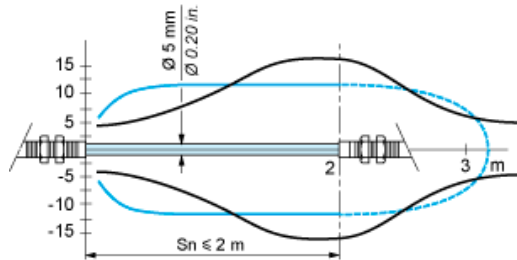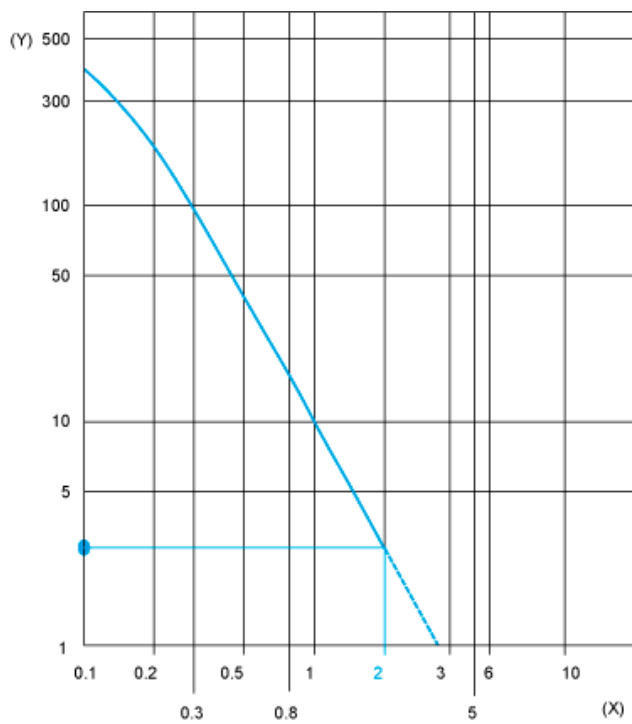
(1)   Beam made LED on (steady light)
(2)   Beam broken LED flashing
BN : Brown
BU : Blue
VI :   Violet

Detection Curves

Excess Gain Curves (Ambient temperature: ± 25 °C)

(Y) Gain
(X) Distance (m)