

XU2S18KP340DT

light curtain transmitter XU2-S - detection of body - 750..1200 mm - 12..24 V



Main

| | |
|-------------------------------|---|
| Range of product | Telemecanique Safety light curtains XUSL |
| Product or component type | Safety thru-beam transmitter photo-electric sensors |
| Device short name | XU2S |
| Product compatibility | XPSCM1144 XPSCM1144P |
| [Sn] nominal sensing distance | 8 m |

Complementary

| | |
|---------------------------|---|
| Detection system | Transmitter-receiver system |
| [Us] rated supply voltage | 12...24 V DC (10...30 V) against reverse polarity |
| Current consumption | <= 35 mA no-load |
| Line of sight type | Along case axis |
| Electrical connection | 1 male connector M12, 4 pins |
| Tightening torque | 24 N.M fixing nut 2 N.m connector |
| Marking | CE |
| Material | Nickel plated brass: case PMMA (polymethyl methacrylate): lenses |
| Net weight | 0.075 kg |

Environment

| | |
|---------------------------------------|--|
| Ambient air temperature for operation | -25...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| IP degree of protection | IP67 conforming to EN/IEC 60529 |
| Shock resistance | 30 gn 3 axes : 3 times conforming to EN/IEC 60068-2-27 |
| Vibration resistance | 7 gn (f= 10...55 Hz) conforming to EN/IEC 60068-2-6 |

Packing Units

| | |
|------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.2 cm |
| Package 1 Width | 6.7 cm |
| Package 1 Length | 9.6 cm |
| Package 1 Weight | 85 g |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

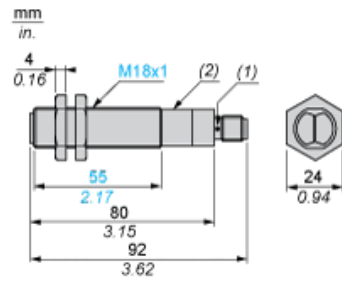
Offer Sustainability

| | |
|--|---|
| Sustainable offer status | Green Premium product |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| 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 |
|----------|-----------|

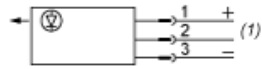
Dimensions



- (1) LED
- (2) Potentiometer

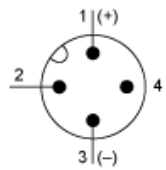
Wiring Schemes (3-wire DC)

Transmitter



(1) Test

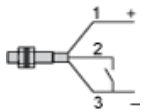
Connector Pin View



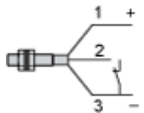
- (1) (+)
- (2) Test
- (3) (-)

Beam Break Test

Beam Made



Beam Broken



Connecting to a Safety Module

Discover
XU2S18PP340D by

- Characteristics
- Dimensions Drawings
- Connections and Schema
- Performance Curves
- **Download & Documents**

①

Download & Documents 1 to 8 of 8

CAD

| | | |
|---|-------------------|--------|
| Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D | SILENT 2015-07-21 | (Se ▼) |
| Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D | SILENT 2009-10-23 | (Se ▼) |

Instruction sheet

| | | |
|---|--------------------|-------|
| XU2S18... Cylindrical photo-electric sensor design 18 | English 2015-07-21 | pdf ▼ |
|---|--------------------|-------|

Product environmental

| | | |
|---|--------------------|-------|
| XUB... XU1... to XU9... Photoelectric Sensor, Product Environmental profile | English 2012-03-19 | pdf ▼ |
|---|--------------------|-------|

End of life manual

| | | |
|---|--------------------|-------|
| XUB... and XU1... to XU9... Photoelectric Sensors, Product End-of-life Instructions | English 2012-02-20 | pdf ▼ |
|---|--------------------|-------|

System user guide

| | | |
|--|--------------------|-------|
| Connecting to a monitoring device XU2S | English 2015-06-08 | pdf ▼ |
|--|--------------------|-------|

Catalog

| | | |
|-------------------------------------|--------------------|-------|
| Safety light curtains Preventa XUSL | English 2015-05-18 | pdf ▼ |
|-------------------------------------|--------------------|-------|

Image of product

| | | |
|-----------------------------|-------------------|--------|
| Security light curtain XU2S | SILENT 2015-07-21 | (Se ▼) |
|-----------------------------|-------------------|--------|

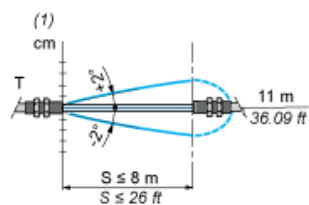
②

- 1 : Click on Download & Documents
- 2 : Click on System user guide

To have all connection schematics concerning our safety module, select "download and document" and download the file "Connecting to a monitoring device XU2S"

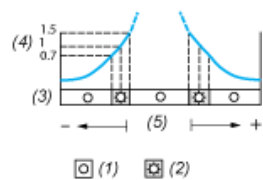
Curves

Infrared Detection Curve



(1) \varnothing of beam

Verification of Correct Operation



- (1) LED off
- (2) LED on
- (3) Red LED
- (4) Signal level
- (5) Optimum alignment