



Main

Range of product	Preventa Safety detection
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	Pre-cabled
Cable outer diameter	5 mm
Cable length	5 m
Cable composition	3 x 0.34 mm ²
Tightening torque	24 N.m fixing nut
Marking	CE
Material	Case : nickel plated brass Lenses : PMMA (polymethyl methacrylate)
Product weight	0.235 kg

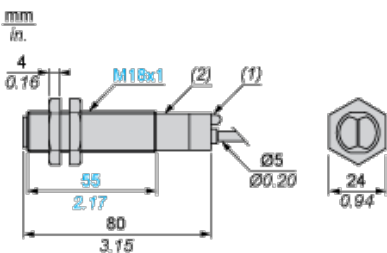
Environment

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

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0924 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

Dimensions



- (1) LED
- (2) Potentiometer

Wiring Schemes (3-wire DC)

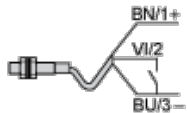
Transmitter



- BU : Blue
 BN : Brown
 VI : Violet
 (1) Test

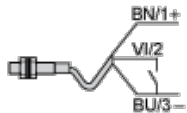
Beam Break Test

Beam Made



- BU : Blue
 BN : Brown
 VI : Violet

Beam Broken



- BU : Blue
 BN : Brown
 VI : Violet

Connecting to a Safety Module

Discover XU2S18PP340D by

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

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 ▼)

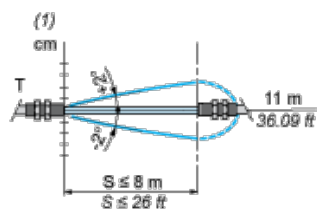
①
②

- 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"

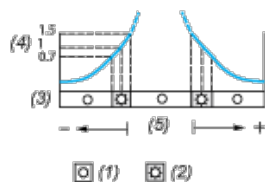
Curves

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