

XU2S18PP340D

Safety thru beam pair photo electric sensors,
Preventa Safety detection, security light curtain
XU2 S, of body, Sn 8 m, 12...24 VDC, M12



Product availability: Stock - Normally stocked in distribution facility

Price*: 220.00 USD



Main

Range of product	Telemecanique Safety light curtains XUSL
Product or component type	Safety thru-beam pair photo-electric sensors
Device short name	XU2S
Output type	1 safety outputs OSSD PNP
[Sn] nominal sensing distance	26.25 Ft (8 m)

Complementary

Detection system	Transmitter-receiver system
[Us] rated supply voltage	12...24 V DC 10...30 V reverse polarity protection
Current consumption	<= 35 mA no-load
Maximum voltage drop	<1.5 V (closed)
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	500 Hz maximum
Electrical connection	1 male connector M12 4 pins
Line of sight type	Along case axis
Maximum delay response	1 Ms
Maximum delay recovery	1 Ms
Tightening torque	212.42 Lbf.In (24 N.m) fixing nut 17.70 Lbf.In (2 N.m) connector
Function available	Built-in muting function Light or dark programmable switching
Marking	CE
Material	Nickel plated brass case PMMA (polymethyl methacrylate) lenses
Net weight	0.34 Lb(US) (0.155 kg)

Environment

Standards	EN/IEC 61496-1 EN/IEC 61496-2 EN/IEC 60825-1
Safety level	Can reach PL = c associated with module XPSCM correctly wired EN/ISO 13849-1 Can reach category 2 associated with module XPSCM correctly-wired EN/ISO 13849-1 Type 2 IEC 61496-1-2
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Safety reliability data	PFH = 5.5E-7 1/h with muting function IEC 61508 PFH = 4.6E-7 1/h IEC 61508
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
IP degree of protection	IP67 conforming to EN/IEC 60529
Shock resistance	30 gn 3 axes : 3 times EN/IEC 60068-2-27
Vibration resistance	7 gn 10...55 Hz)EN/IEC 60068-2-6

Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	03389110907209
Nbr. of units in pkg.	1
Package weight(Lbs)	5.71 Oz (162 g)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 In (4.2 cm)
Package 1 width	3.78 In (9.6 cm)
Package 1 Length	5.28 In (13.4 cm)

Offer Sustainability

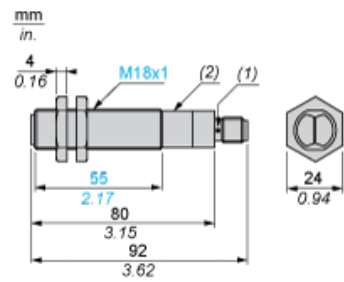
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause 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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
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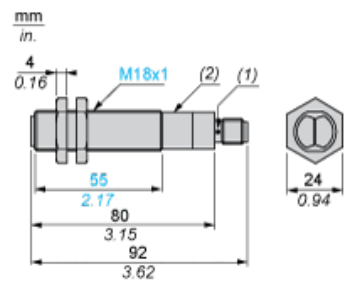
Dimensions

Receiver



- (1) LED
- (2) Potentiometer

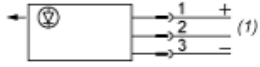
Transmitter



- (1) LED
- (2) Potentiometer

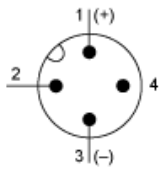
Wiring Schemes (3-wire DC)

Transmitter



(1) Test

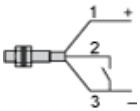
Connector Pin View



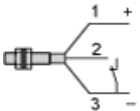
(1) (+)
(2) Test
(3) (-)

Beam Break Test

Beam Made

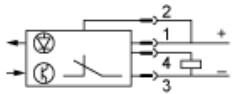


Beam Broken

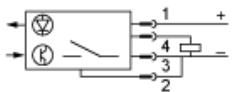


Receiver

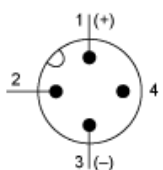
Light switching (no object present). PNP output



Dark switching (no object present). PNP output



Connector Pin View



(1) (+)
(2) Programming
(3) (-)
(4) Output

Connecting to a Safety Module

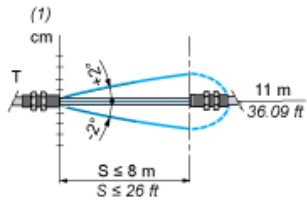
The screenshot shows a product page for 'XU2S18PP340D by Preventa'. The left sidebar has a 'Discover' section with a 'Download & Documents' link highlighted in red and labeled with a circled '1'. The main content area is titled 'Download & Documents 1 to 8 of 8' and contains several sections: CAD, Instruction sheet, Product environmental, End of life manual, System user guide, Catalog, and Image of product. The 'System user guide' section is highlighted with a red box and labeled with a circled '2'. It contains a document titled 'Connecting to a monitoring device XU2S' with a date of 2015-06-08 and a 'pdf' icon.

- 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"

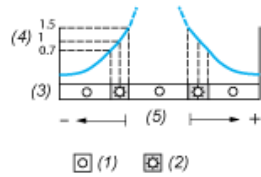
Curves

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

Product Life Status : Commercialised