



Main

| | |
|-------------------------------|--|
| Range of product | Preventa Safety detection |
| 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 |
| Voltage drop | <= 1.5 V closed state |
| 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 |
| Delay response | <= 1 ms |
| Delay recovery | <= 1 ms |
| Tightening torque | 24 N.m fixing nut 2 N.m connector |
| Function available | Built-in muting function Light or dark programmable switching |
| Marking | CE |
| Material | Case : nickel plated brass Lenses : PMMA (polymethyl methacrylate) |
| Product weight | 0.34 lb(US) (0.155 kg) |

Environment

| | |
|---------------------------------------|--|
| standards | EN/IEC 60825-1 EN/IEC 61496-1 EN/IEC 61496-2 |
| safety level | Type 2 conforming to IEC 61496-1-2 Can reach PL = c conforming to EN/ISO 13849-1 (associated with module XPSCM correctly wired) Can reach category 2 conforming to EN/ISO 13849-1 (associated with module XPSCM correctly wired) |
| ambient air temperature for operation | -13...131 °F (-25...55 °C) |
| safety reliability data | PFH = 4.6E-7 1/h conforming to IEC 61508 PFH = 5.5E-7 1/h conforming to IEC 61508 (with muting function) |
| 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) conforming to EN/IEC 60068-2-27 |
| vibration resistance | 7 gn (f = 10...55 Hz) conforming to EN/IEC 60068-2-6 |

Offer Sustainability

| | |
|---|---|
| Not Green Premium product | Not Green Premium product |
| Compliant - since 1005 - Schneider Electric declaration of conformity | Compliant - since 1005 - Schneider Electric declaration of conformity |

The information provided in this documentation contains general descriptions and/or technical characteristics 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Reference not containing SVHC above the threshold

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WARNING: This product can expose you to chemicals including:

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Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and

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Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.

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For more information go to www.p65warnings.ca.gov

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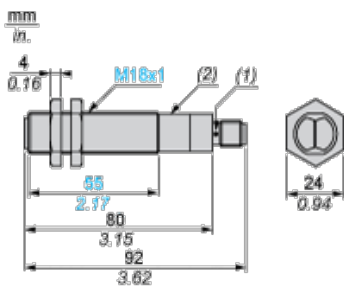
Contractual warranty

Warranty period

18 months

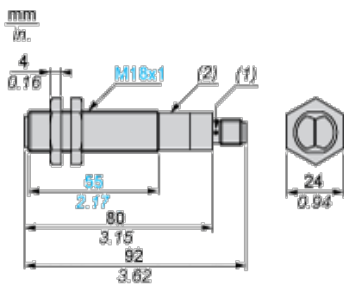
Dimensions

Receiver



- (1) LED
- (2) Potentiometer

Transmitter



- (1) LED
- (2) Potentiometer

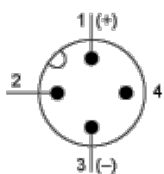
Wiring Schemes (3-wire DC)

Transmitter



- (1) Test

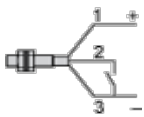
Connector Pin View



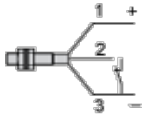
- (1) (+)
- (2) Test
- (3) (-)

Beam Break Test

Beam Made

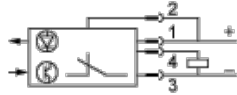


Beam Broken

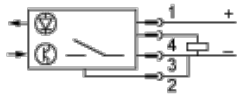


Receiver

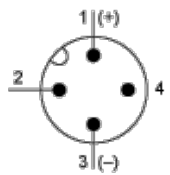
Light switching (no object present). PNP output



Dark switching (no object present). PNP output



Connector Pin View



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

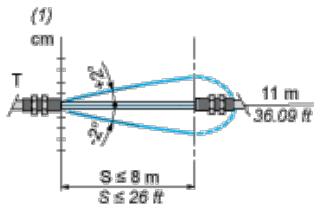
Connecting to a Safety Module

- 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"

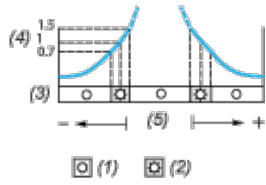
Curves

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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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