

Main

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| Range of product | Preventa Safety detection |
| Product or component type | Safety light curtain type 2 |
| Device short name | XUSL2E |
| Output type | 2 safety outputs OSSD solid-state PNP (integrated arc suppression) |
| Product specific application | For hand protection |
| [R] Resolution | 30 mm |
| [Sn] nominal sensing distance | 0...3 m by cabling 3...10 m by cabling |
| [Hp] Height protected | 1060 mm |
| Number of beams | 53 |
| Type of start / restart | Automatic Manual |
| External Device Monitoring (EDM) | Selected by wiring |

Complementary

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| Detection system | Transmitter-receiver system |
| Response time | 14.5 ms |
| Kit composition | 1 PVC cable(s) Silicone o-ring(s) 1 user guide with certificate of conformity on CD-ROM 1 transmitter(s) 1 receiver(s) Adjustable mounting bracket(s) |
| [EAA] effective aperture angle | +/- 5 ° at 3 m |
| Emission | IR LED (λ = 950 nm) |
| [Us] rated supply voltage | 24 V DC (+/- 20 %) |
| Supply | Power supply must meet requirements of IEC 60204-1 Power supply must meet requirements of IEC 61496-1 |
| [Ie] rated operational current | 2 A |
| Current consumption | 900 mA with maximum load (receiver) 42 mA (transmitter) 83 mA no-load (receiver) 42 mA no-load (transmitter) |
| Output current limits | 0.4 A for safety outputs OSSD |
| Output voltage | 24 V |
| Output circuit type | DC |
| Voltage drop | <= 0.5 V |
| Local signalling | 2 dual colour LEDs (receiver) 1 multi-colour LED (transmitter) |
| Electrical connection | 1 male connector M12 8 pins (receiver) 1 male connector M12 5 pins (transmitter) |
| Type of cable | AWG 22 unshielded cable of 10 m |
| Ohmic cable resistance (per m) | 55.31 mOhm |
| Function available | Anti-condensation system LED display of operating modes and faults Muting through external safety module XPSLCMUT1160 Test |

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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| Marking | CE |
| Material | Cable : PVC (polyvinyl chloride) Sealing plug : stainless steel AISI 316L Tube : PMMA (polymethyl methacrylate) |
| Housing colour | RAL 3000 : red |
| Fixing mode | By fixing brackets |
| Product weight | 6.06 kg |
| Offer type | Standard distance |
| Provided equipment | Without heating system |

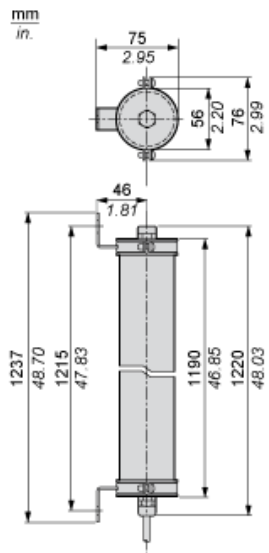
Environment

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|---------------------------------------|--|
| Directives | 89/336/EEC - electromagnetic compatibility 2002/96/EC - WEEE directive 2002/95/EC - RoHS directive 98/37/EEC - machinery 89/655/EEC - work equipment |
| Product certifications | CE CULus TÜV |
| Safety level (correctly wired) | PL = d conforming to EN/ISO 13849-1 Category 2 conforming to EN/ISO 13849-1 SILCL 2 conforming to IEC 62061 SIL 2 conforming to IEC 61508 Type 2 conforming to IEC 61496-1 |
| Optical characteristic | Resistance to light disturbance conforming to EN/IEC 61496-2 |
| Mission time | 20 yr |
| Safety reliability data | PFHd = 5.83E-8 1/h conforming to IEC 61508 |
| Ambient air temperature for operation | -10...55 °C 14...131 °F |
| Ambient air temperature for storage | -25...70 °C -13...158 °F |
| Relative humidity | <= 95 % without condensation |
| IP degree of protection | IP69K |
| Shock resistance | 10 gn for 16 ms conforming to IEC 61496-1 |

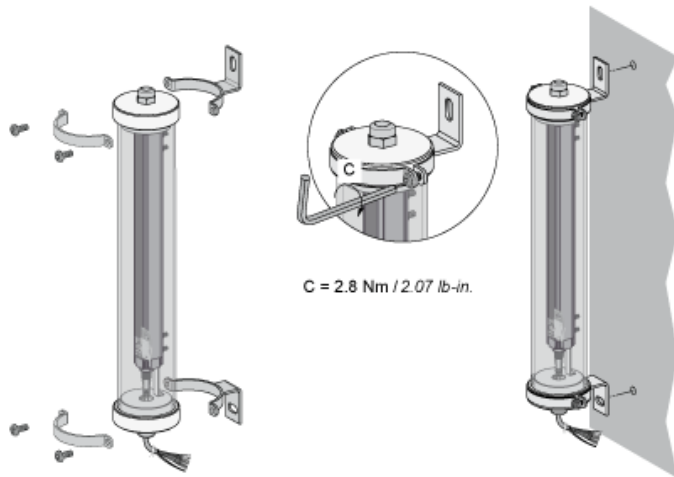
Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1425 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Available Download End Of Life Manual |

Dimensions



Mounting and Clearance



Wiring Diagrams

Transmitter Pre-wired

Brown: +24 Vdc

White: Configuration_0

Blue: 0 Vdc

Green or Black: Configuration_1

Grey: Functional Earth

Pink: Not connected

Receiver pre-wired

White: Output signal switching device 1

Brown: +24 Vdc

Green: Output signal switching device 2

Yellow: Configuration_A

Grey: K1_K2 Feedback/Restart

Pink: Configuration_B

Blue: 0 Vdc

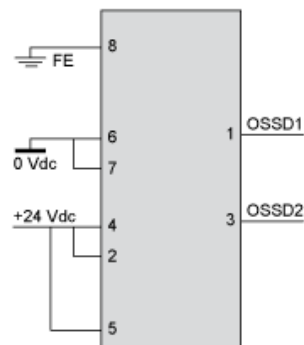
Yellow/Green (or Red): Functional Earth

For configuration_A and configuration_B, please refer to receiver configuration and operating modes

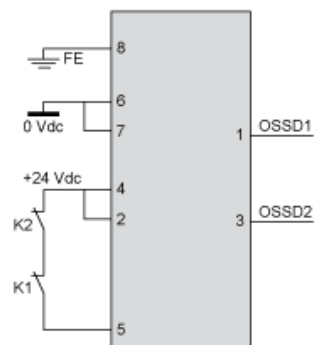
Receiver Configurations and Operating Modes

Automatic Start/Restart

Without External Device Monitoring (EDM) feedback loop

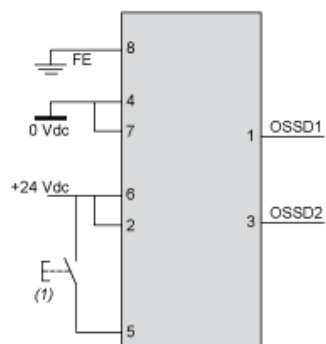


With External Device Monitoring (EDM) feedback loop



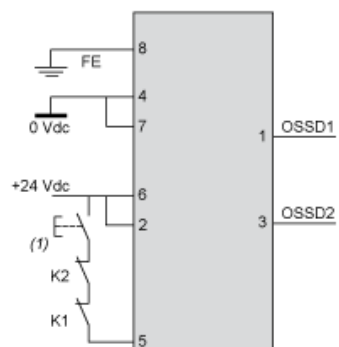
Manual Start/Restart

Without External Device Monitoring (EDM) feedback loop



(1) Restart

With External Device Monitoring (EDM) feedback loop



(1) Restart