



Main

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| Range of product | Preventa Safety detection |
| Product or component type | Safety light curtain type 4 |
| Device short name | XUSLP |
| Design | Compact |
| Detection system | Transmitter-receiver system |
| Product specific application | For body protection |
| Height protected | 1200 mm |
| [Sn] nominal sensing distance | 0.8...70 m depending on configuration 0.8...20 m depending on configuration |
| Minimum object diameter for detection | 300 mm |
| Response time | < 24 ms depending on light beam coding A < 20 ms depending on light beam coding B < 16 ms depending on light beam coding C |
| Number of beams | 5 |
| Type of receiver | Active |

Complementary

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| Kit composition | 2 sets of 2 brackets with fixings 1 user guide with certificate of conformity 1 transmitter(s) 1 receiver(s) |
| [EAA] effective aperture angle | 2.5 ° at 3 m |
| Light source | GaAIAs LED, 850 nm |
| [Us] rated supply voltage | 24 V DC (+/- 20 %) |
| [Ie] rated operational current | 2 A |
| Current consumption | 100 mA (transmitter) 1.6 A with maximum load (receiver) 300 mA no-load (receiver) |
| Output type | 1 auxiliary output solid-state PNP 2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection) |
| Output current limits | <= 650 mA for safety outputs OSSD <= 100 mA for auxiliary output |
| Output voltage | 24 V |
| Output circuit type | DC |
| Switching capacity in mA | 650 mA |
| Monitoring act of of relay MPCE/EDM | 50 mA |
| Local signalling | 3 LEDs (receiver), function: stop, run, interlock + 2 digit display 1 LED (transmitter), function: power supply |
| Electrical connection | Terminal block |
| Function available | Test Monitoring of external switching devices Display of operating modes and alarm by LEDs and 2-digit display Auto, manual, manual 1st cycle Alignment aid by display of each light beam broken |
| Marking | CE |
| Material | End caps : 20 % fibre glass impregnated nylon Front face : acrylic Casing : aluminium |
| Fixing mode | End brackets |
| Product weight | 9.5 kg |

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.

Environment

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| Standards | ANSI B11:19-1990 ANSI/RIA R15.06 EN/IEC 61496-1 EN/IEC 61496-1-2 for type 4 ESPE EN/IEC 61496-2 OSHA 1910-212 OSHA 1910-217C ROHS directive 2002/95/EC Machinery directive 2006/42/EC EMC 2004/108/EC Work equipment directive 2009/104/EC |
| Product certifications | CSA TÜV UL |
| Safety level | Type 4 conforming to IEC 61496-1-2 Can reach PL = e conforming to EN/ISO 13849-1 (correctly wired) Can reach category 4 conforming to EN/ISO 13849-1 (correctly wired) Can reach SIL 3 conforming to IEC 61508 (correctly wired) |
| Safety reliability data | PFH = 2.7E-9 1/h conforming to IEC 61508 (verified in worst case conf: 6 beams), proof test interval = 20 yr |
| Ambient air temperature for operation | 0...55 °C |
| Ambient air temperature for storage | -25...75 °C |
| Relative humidity | <= 95 % without condensation |
| IP degree of protection | IP67 IP65 |
| Shock resistance | 10 gn for 16 ms conforming to IEC 61496-1 |
| Vibration resistance | 0.35 +/- 0.05 mm (f = 10...55 Hz) conforming to IEC 61496-1 |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0730 - Schneider Electric declaration of conformity |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Available Download End Of Life Manual |