



Main

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| Range of product | Preventa Safety detection |
| Product or component type | Safety light curtain type 4 |
| Device short name | XUSL4E |
| Output type | 2 safety outputs OSSD solid-state PNP (arc suppression) |
| Product specific application | For hand protection |
| [R] Resolution | 30 mm |
| [Sn] nominal sensing distance | 0...12 m by cabling 0...4 m by cabling |
| [Hp] Height protected | 460 mm |
| Number of beams | 23 |
| Type of start / restart | Automatic Manual |
| External Device Monitoring (EDM) | Selected by wiring |

Complementary

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| Detection system | Transmitter-receiver system |
| Kit composition | adjustable mounting bracket(s) 1 receiver(s) 1 transmitter(s) 1 user guide with certificate of conformity on CD-ROM |
| [EAA] effective aperture angle | 2.5 ° at 3 m |
| Emission | IR LED 950 nm |
| [Us] rated supply voltage | 24 V DC +/- 20 % |
| Supply | Power supply conforming to IEC 61496-1 Power supply conforming to IEC 60204-1 |
| [Ie] rated operational current | 2 A |
| Current consumption | 42 mA no-load transmitter 83 mA no-load receiver 42 mA transmitter 900 mA with maximum load receiver |

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| Output current limits | 0.4 A for safety outputs OSSD |
| Output voltage | 24 V |
| Output circuit type | DC |
| Maximum voltage drop | <0.5 V |
| Local signalling | 1 multi-colour LED transmitter 2 dual colour LEDs receiver |
| Electrical connection | 1 male connector M12 5 pins transmitter 1 male connector M12 8 pins receiver |
| Function available | Test Muting through external safety module XPSLCMUT1160 LED display of operating modes and faults |
| Marking | CE |
| Material | Aluminium: casing Polycarbonate: front panel Polypropylene: end caps |
| Housing colour | Red RAL 3000 |
| Fixing mode | By fixing brackets |
| Net weight | 1.02 kg |
| Offer type | Standard distance |
| Topology | Daisy chain slave2 |

Environment

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| Directives | 89/655/EEC - work equipment 98/37/EEC - machinery 89/336/EEC - electromagnetic compatibility 2002/96/EC - WEEE directive 2002/95/EC - RoHS directive |
| Product certifications | TÜV CULus CE |
| Safety level (correctly wired) | Type 4 conforming to IEC 61496-1 SIL 3 conforming to IEC 61508 SILCL 3 conforming to IEC 62061 Category 4 conforming to EN/ISO 13849-1 PL = e conforming to EN/ISO 13849-1 |
| Optical characteristic | Resistance to light disturbance conforming to EN/IEC 61496-2 |
| Mission time | 20 year(s) |
| Safety reliability data | PFHd = 9.47E-9 1/h conforming to IEC 61508 |
| Ambient air temperature for operation | -30...55 °C 14...131 °F |
| Ambient air temperature for storage | -13...158 °F -35...70 °C |
| Relative humidity | 0...95 % without condensation |
| IP degree of protection | IP65 IP67 |
| 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 |

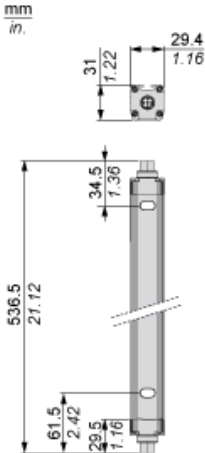
Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

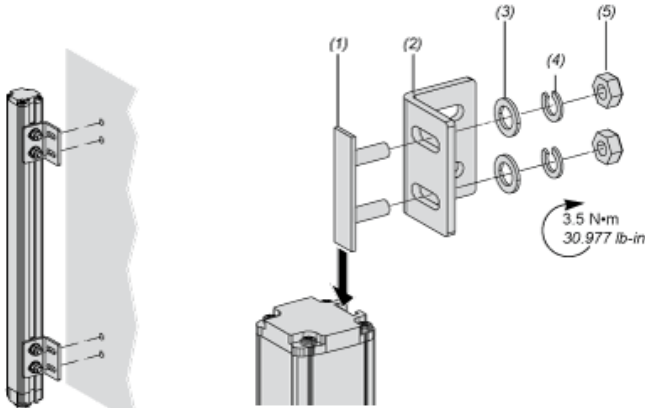
Contractual warranty

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| Warranty | 18 months |
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Dimensions



Mounting and Clearance

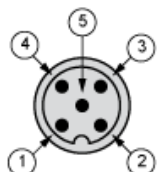


- (1) Insert
- (2) Bracket
- (3) Washer
- (4) Spring washer
- (5) Nut

Wiring Diagrams

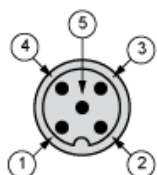
Transmitter Connections

Slave primary connector at the bottom



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

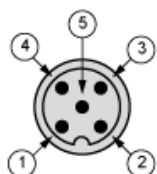
Slave secondary connector at the top



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

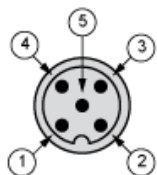
Receiver Connections

Slave primary connector at the bottom



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

Slave secondary connector at the top



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE