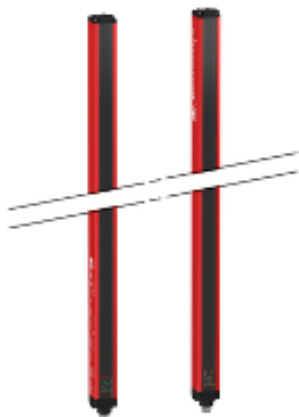


# XUSL4E30H091NS1

XUSL type 4 - Slave1 - For hand protection - Hp = 910 mm, R=30mm



## Main

|                                       |                                                                    |
|---------------------------------------|--------------------------------------------------------------------|
| 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 (integrated arc suppression) |
| Product specific application          | For hand protection                                                |
| Minimum object diameter for detection | 30 mm                                                              |
| [Sn] nominal sensing distance         | 0...12 m by cabling<br>0...4 m by cabling                          |
| Height protected                      | 910 mm                                                             |
| Number of beams                       | 46                                                                 |
| Type of start                         | Manual<br>Automatic                                                |
| Control type                          | Selected by wiring                                                 |

## Complementary

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

|                       |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| 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      | 1 multi-colour LED (transmitter)<br>2 dual colour LEDs (receiver)                                       |
| Electrical connection | 1 male connector M12 5 pins (transmitter)<br>1 male connector M12 8 pins (receiver)                     |
| Function available    | Muting through external safety module XPSLCMUT1160<br>LED display of operating modes and faults<br>Test |
| Marking               | CE                                                                                                      |
| Material              | Front panel : polycarbonate<br>End caps : polypropylene<br>Casing : aluminium                           |
| Housing colour        | RAL 3000 : red                                                                                          |
| Fixing mode           | By fixing brackets                                                                                      |
| Product weight        | 1.72 kg                                                                                                 |
| Offer type            | Standard distance                                                                                       |
| Topology              | Daisy chain slave1                                                                                      |

## Environment

|                                       |                                                                                                                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Directives                            | 89/336/EEC - electromagnetic compatibility<br>98/37/EEC - machinery<br>2002/95/EC - RoHS directive<br>2002/96/EC - WEEE directive<br>89/655/EEC - work equipment                       |
| Product certifications                | TÜV<br>cULus<br>CE                                                                                                                                                                     |
| Safety level                          | SIL 3 conforming to IEC 61508<br>Type 4 conforming to IEC 61496-1<br>SILCL 3 conforming to IEC 62061<br>Category 4 conforming to EN/ISO 13849-1<br>PL = e conforming to EN/ISO 13849-1 |
| Environmental characteristic          | Resistance to light disturbance conforming to EN/IEC 61496-2                                                                                                                           |
| Service life                          | 20 yr                                                                                                                                                                                  |
| Safety reliability data               | PFHd = 1.30E-8 1/h conforming to IEC 61508                                                                                                                                             |
| Ambient air temperature for operation | 14...131 °F<br>-10...55 °C                                                                                                                                                             |
| Ambient air temperature for storage   | -25...70 °C<br>-13...158 °F                                                                                                                                                            |
| Relative humidity                     | <= 95 % without condensation                                                                                                                                                           |
| IP degree of protection               | IP65<br>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

|                                  |                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                                     |
| RoHS (date code: YYWW)           | Compliant - since 1425 - Schneider Electric declaration of conformity<br><a href="#"> Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                                                                                                    |
| Product environmental profile    | Available<br><a href="#"> Product environmental</a>                                                                                    |
| Product end of life instructions | Available                                                                                                                                                                                                                 |

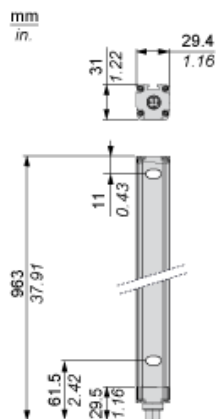
## Contractual warranty

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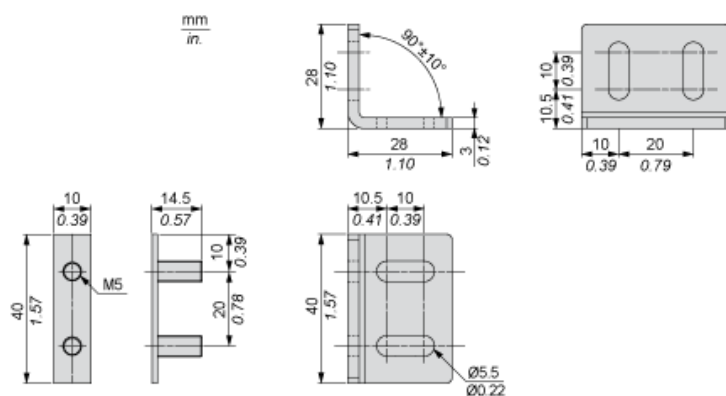
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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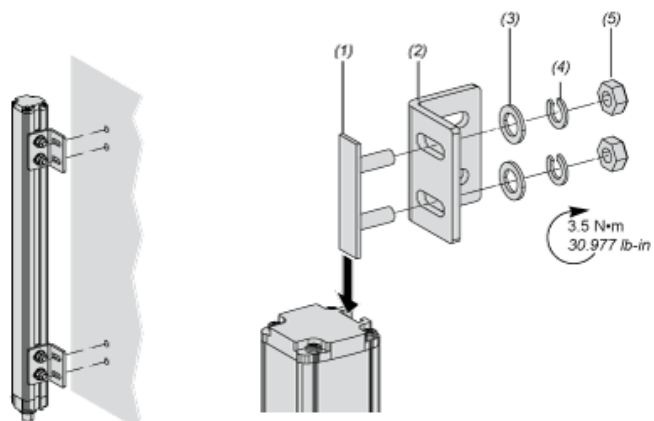
Dimensions



Brackets Dimensions



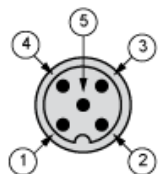
## Mounting and Clearance



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

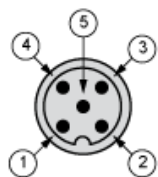
## Wiring Diagrams

### Transmitter Connections



- (1) +24 Vdc
- (2) Master/Slave\_A
- (3) 0 Vdc
- (4) Master/Slave\_B
- (5) FE

### Receiver Connections



- (1) +24 Vdc
- (2) Master/Slave\_A
- (3) 0 Vdc
- (4) Master/Slave\_B
- (5) FE