



### Main

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Range of product                 | Telemecanique Safety light curtains XUSL                |
| Product or component type        | Safety light curtain type 4                             |
| Device short name                | XUSL4M                                                  |
| 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<br>0...4 m by cabling               |
| [Hp] Height protected            | 910 mm                                                  |
| Number of beams                  | 46                                                      |
| Space between beams              | 30 mm                                                   |
| Type of start / restart          | Manual<br>Automatic                                     |
| External Device Monitoring (EDM) | Selected by wiring                                      |

### Complementary

|                                |                                                                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detection system               | Transmitter-receiver system                                                                                                                                               |
| Response time                  | 14.5 ms                                                                                                                                                                   |
| Kit composition                | Adjustable mounting bracket(s)<br>1 receiver<br>1 transmitter<br>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<br>Power supply conforming to IEC 60204-1                                                                                          |
| [Ie] rated operational current | 2 A                                                                                                                                                                       |
| Current consumption            | 35 mA no-load transmitter<br>85 mA no-load receiver<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                                                                                                                                                                        |
| Maximum voltage drop           | <0.5 V                                                                                                                                                                    |
| Local signalling               | 1 multi-colour LED transmitter<br>10 dual colour LEDs receiver                                                                                                            |
| Electrical connection          | 1 male connector M12 5 pins transmitter<br>2 female connectors M12 5 pins transmitter<br>1 male connector M12 12 pins receiver<br>3 female connectors M12 5 pins receiver |
| Function available             | Test<br>Muting<br>LED display of operating modes and faults                                                                                                               |
| Material                       | Aluminium: casing<br>Polycarbonate: front panel<br>Polypropylene: end caps                                                                                                |
| Housing colour                 | Red RAL 3000                                                                                                                                                              |

|             |                    |
|-------------|--------------------|
| Fixing mode | By fixing brackets |
| Net weight  | 5 kg               |
| Offer type  | Standard distance  |

## Environment

|                                       |                                                                                                                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Directives                            | 89/655/EEC - work equipment<br>2002/96/EC - WEEE directive<br>2011/65/EU - RoHS directive<br>98/37/EEC - machinery<br>89/336/EEC - electromagnetic compatibility                       |
| Product certifications                | TÜV<br>CE<br>CULus                                                                                                                                                                     |
| Safety level (correctly wired)        | Type 4 conforming to IEC 61496-1<br>SIL 3 conforming to IEC 61508<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 |
| Optical characteristic                | Resistance to light disturbance conforming to EN/IEC 61496-2                                                                                                                           |
| Safety reliability data               | PFHd = 2.26E-8 1/h conforming to IEC 61508                                                                                                                                             |
| Ambient air temperature for operation | -30...55 °C<br>-30...55 °C                                                                                                                                                             |
| Ambient air temperature for storage   | -30...70 °C<br>-30...70 °C                                                                                                                                                             |
| Relative humidity                     | 0...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                                                                                                                             |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 6.53 kg |
| Package 1 Height             | 14.5 cm |
| Package 1 width              | 20 cm   |
| Package 1 Length             | 109 cm  |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                |
| REACH free of SVHC         | Yes                                                                                                                                                                                  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                    |
| Circularity Profile        |  <a href="#">End of Life Information</a>                                                          |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins                                                          |

## Contractual warranty

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

## Dimensions

