

# XUSLBR5A1560R

safety light curtains receiver type 4 - for hand protection - 1560 mm



## Main

|                                       |                                                                                                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Range of product                      | Telemecanique Safety light curtains XUSL                                                                    |
| Product or component type             | Safety light curtains receiver type 4                                                                       |
| Series name                           | Optimum                                                                                                     |
| Device short name                     | XUSLB                                                                                                       |
| Product compatibility                 | XUSLBR5A1560                                                                                                |
| Output type                           | 1 auxiliary output solid-state PNP<br>2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection) |
| Product specific application          | For hand protection                                                                                         |
| Minimum object diameter for detection | 30 mm                                                                                                       |
| [Sn] nominal sensing distance         | 8 M with PDM<br>0.3...20 m                                                                                  |
| Height protected                      | 1560 mm                                                                                                     |
| Number of beams                       | 78                                                                                                          |

## Complementary

|                                     |                                                                       |
|-------------------------------------|-----------------------------------------------------------------------|
| Detection system                    | Transmitter-receiver system                                           |
| Response time                       | 32 ms                                                                 |
| [EAA] effective aperture angle      | 2.5 ° at 3 m                                                          |
| [Us] rated supply voltage           | 24 V DC (+/- 20 %)against reverse polarity                            |
| [Ie] rated operational current      | 2 A                                                                   |
| Current consumption                 | 450 mA no-load<br>1.8 A with maximum load                             |
| Output current limits               | 100 mA for auxiliary output<br>625 mA for safety outputs OSSD         |
| Output voltage                      | 24 V                                                                  |
| Output circuit type                 | DC                                                                    |
| Monitoring act of of relay MPCE/EDM | 50 mA                                                                 |
| Local signalling                    | 4 LEDs stop, run, interlock, ECS/B Blanking or FB (Floating Blanking) |
| Electrical connection               | 1 female connector M12, 8 pins                                        |
| Marking                             | CE                                                                    |
| Material                            | Aluminium: casing<br>20 % fibre glass impregnated nylon: end caps     |
| Fixing mode                         | End brackets                                                          |

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 TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                                                                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | OSHA 1910-217C<br>EN/IEC 61496-1<br>EN/IEC 61496-1-2 for type 4 ESPE<br>EMC 2004/108/EC<br>ANSI/RIA R15.06<br>ANSI B11:19-1990<br>Work equipment directive 2009/104/EC<br>EN/IEC 61496-2<br>OSHA 1910-212<br>Machinery directive 2006/42/EC |
| Product certifications                | CSA[RETURN]TÜV[RETURN]UL                                                                                                                                                                                                                    |
| Ambient air temperature for operation | -10...55 °C                                                                                                                                                                                                                                 |
| Ambient air temperature for storage   | -25...75 °C                                                                                                                                                                                                                                 |
| Relative humidity                     | 0...95 % without condensation                                                                                                                                                                                                               |
| IP degree of protection               | 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                                                                                                                                                                                  |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

## Contractual warranty

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