

# XUSLBR5A2120T

safety light curtains transmitter type 4 - for  
hand protection - 2120 mm

## Main

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| Range of product                      | Telemecanique Safety light curtains XUSL |
| Product or component type             | Safety light curtains transmitter type 4 |
| Series name                           | Optimum                                  |
| Device short name                     | XUSLB                                    |
| Product compatibility                 | XUSLBR5A2120                             |
| 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                      | 2120 mm                                  |
| Number of beams                       | 106                                      |

## Complementary

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| Detection system                 | Transmitter-receiver system                                       |
| Response time                    | 32 ms                                                             |
| [EAA] effective aperture angle   | 2.5 ° at 3 m                                                      |
| Light source                     | GaAIAs LED, 880 nm                                                |
| [Us] rated supply voltage        | 24 V DC (+/- 20 %) against reverse polarity                       |
| [Ie] rated operational current   | 2 A                                                               |
| Current consumption              | 285 mA                                                            |
| Monitoring act of relay MPCE/EDM | 50 mA                                                             |
| Local signalling                 | 1 LED power supply                                                |
| Electrical connection            | 1 female connector M12, 5 pins                                    |
| Marking                          | CE                                                                |
| Material                         | Aluminium: casing<br>20 % fibre glass impregnated nylon: end caps |
| Fixing mode                      | End brackets                                                      |

## Environment

|                                       |                                                                                                                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EMC 2004/108/EC<br>OSHA 1910-212<br>ANSI/RIA R15.06<br>Machinery directive 2006/42/EC<br>EN/IEC 61496-1<br>OSHA 1910-217C<br>EN/IEC 61496-2<br>EN/IEC 61496-1-2 for type 4 ESPE<br>Work equipment directive 2009/104/EC<br>ANSI B11:19-1990 |
| Product certifications                | UL[RETURN]TÜV[RETURN]CSA                                                                                                                                                                                                                    |
| 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 |
|----------|-----------|