

# XUSLNG5C0900

safety light curtain type 2 - XUSLN - height 900 mm - automatic start



## Main

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| Range of product                      | Telemecanique Safety light curtains XUSL |
| Product or component type             | Safety light curtain type 2              |
| Device short name                     | XUSLN                                    |
| Design                                | Compact slim                             |
| Detection system                      | Transmitter-receiver system              |
| Product specific application          | For hand protection                      |
| Height protected                      | 900 mm                                   |
| [Sn] nominal sensing distance         | 0.3...15 m                               |
| Minimum object diameter for detection | 30 mm                                    |
| Type of start                         | Automatic                                |
| Response time                         | 19 ms                                    |
| Number of beams                       | 42                                       |

## Complementary

|                                |                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kit composition                | 1 arc suppressor set(s)<br>1 receiver(s)<br>1 test rod(s)<br>1 transmitter(s)<br>1 user guide with certificate of conformity<br>2 sets of 2 brackets with fixings    |
| [EAA] effective aperture angle | 5 ° at 3 m                                                                                                                                                           |
| Light source                   | GaAIAs LED, 880 nm                                                                                                                                                   |
| [Us] rated supply voltage      | 24 V DC +/- 20 %                                                                                                                                                     |
| [Ie] rated operational current | 2 A                                                                                                                                                                  |
| Current consumption            | 90 mA no-load receiver<br>1.09 A with maximum load receiver<br>50 mA transmitter                                                                                     |
| Output type                    | 1 alarm output PNP<br>2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection)                                                                          |
| Output current limits          | 500 mA                                                                                                                                                               |
| Output voltage                 | 24 V                                                                                                                                                                 |
| Output circuit type            | DC                                                                                                                                                                   |
| Local signalling               | 2 LEDs transmitter power supply, diagnostic<br>4 LEDs receiver stop, run, top alignment, bottom alignment                                                            |
| Electrical connection          | 1 male connector M12 4 pins transmitter<br>1 male connector M12 5 pins receiver                                                                                      |
| Function available             | Alignment aid using 2 LEDs<br>LED display of operating modes<br>Monitoring of external switching devices EDM/MPCE<br>Muting possible with external module XPSLCM1150 |
| Marking                        | CE                                                                                                                                                                   |
| Material                       | Aluminium: casing<br>30 % fibre glass impregnated nylon: end caps<br>Acrylic: front face                                                                             |
| Fixing mode                    | End brackets                                                                                                                                                         |
| Net weight                     | 3.9 kg                                                                                                                                                               |

## Environment

|                                       |                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | IEC 61496-1<br>Machinery directive 2006/42/EC<br>Work equipment directive 2009/104/EC<br>EMC 2004/108/EC<br>IEC 61496-2 (type 2 ESPE)                                    |
| Product certifications                | CSA[RETURN]UL[RETURN]TÜV                                                                                                                                                 |
| Safety level                          | Can reach category 2 correctly wired conforming to EN/ISO 13849-1<br>Can reach PL = c correctly wired conforming to EN/ISO 13849-1<br>Type 2 conforming to IEC 61496-1-2 |
| Safety reliability data               | PFH = 2.29E-7 1/h conforming to IEC 61508 verified in worst case conf: 6 beams<br>100 year(s)                                                                            |
| Ambient air temperature for operation | 0...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 |
|----------|-----------|