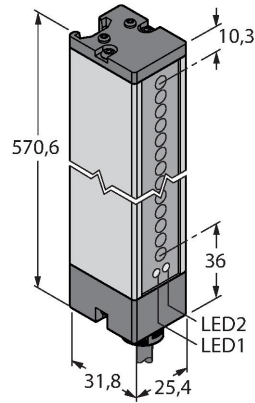


# LX21R

## Photoelectric Sensor – Opposed Mode Sensor (Receiver)

### Receiver



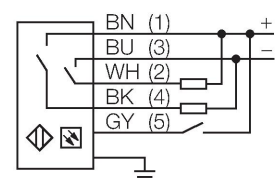
#### Technical data

|                             |                        |
|-----------------------------|------------------------|
| Type                        | LX21R                  |
| ID no.                      | 3071814                |
| <b>Optical data</b>         |                        |
| Function                    | Light screen           |
| Operating mode              | Receiver               |
| Optical resolution          | 9.5 mm                 |
| Range                       | 150...2000 mm          |
| Scan field                  | 523 mm                 |
| <b>Electrical data</b>      |                        |
| Operating voltage           | 10...30 VDC            |
| Residual ripple             | < 10 % $U_{ss}$        |
| No-load current             | ≤ 100 mA               |
| Short-circuit protection    | yes                    |
| Reverse polarity protection | yes                    |
| Output function             | NO contact, PNP/NPN    |
| Current output              | 125 mA                 |
| Response time typical       | < 5.6 ms               |
| <b>Mechanical data</b>      |                        |
| Design                      | Rectangular, LX        |
| Dimensions                  | 31.8 x 25.4 x 570.6 mm |
| Housing material            | Metal, AL, Grey        |
| Lens                        | plastic, Acrylic       |
| Electrical connection       | Cable, 2 m, PVC        |
| Number of cores             | 5                      |
| Core cross-section          | 0.5 mm <sup>2</sup>    |
| Ambient temperature         | -20...+70 °C           |

#### Features

- Cable, 2 m, 5-wire
- Protection class IP65
- Scan field 523 mm
- Minimum target size 9.5 mm
- Operating voltage: 10 ... 30 VDC
- Programmable connection for reduced sensing range
- 2 slot nuts including M5 screws for wall mounting included in the scope of delivery

#### Wiring diagram

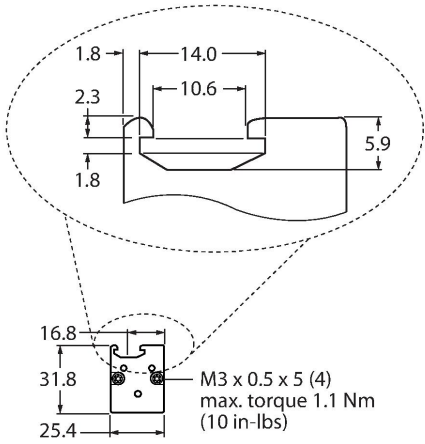


#### Functional principle

Light screens are especially suited to monitor large areas. They consist of an emitter and a receiver unit. Switching light screens are available with scanning heights of up to 599 mm.

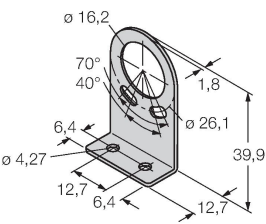
Technical data

|                     |                                          |
|---------------------|------------------------------------------|
| Relative humidity   | 0...90 %                                 |
| Protection class    | IP65                                     |
| Power-on indication | LED, Green                               |
| Switching state     | LED, Yellow                              |
| Error indication    | LED, red, Flashing                       |
| Tests/approvals     |                                          |
| MTTF                | 74 years acc. to SN 29500 (Ed. 99) 40 °C |
| Approvals           | CE, cURus                                |



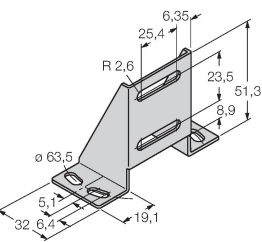
Accessories

SMBLX 3002915



Mounting bracket, galvanized steel, for LX series, 2 pcs., not included in delivery

SMBLXR 3002914



Foot, galvanized steel, for LX series