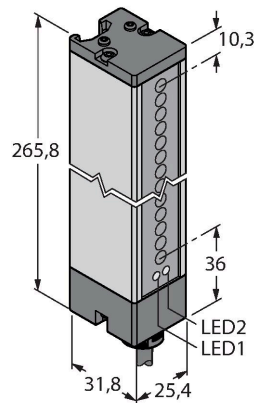


# LX9R

## Photoelectric Sensor – Opposed Mode Sensor (Receiver)

### Receiver



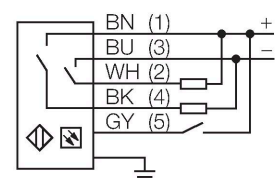
#### Technical data

Type	LX9R
ID no.	3071809
<b>Optical data</b>	
Function	Light screen
Operating mode	Receiver
Optical resolution	9.5 mm
Range	150...2000 mm
Scan field	218 mm
<b>Electrical data</b>	
Operating voltage	10...30 VDC
Residual ripple	< 10 % U <sub>ss</sub>
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	< 2.4 ms
<b>Mechanical data</b>	
Design	Rectangular, LX
Dimensions	31.8 x 25.4 x 265.8 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 218 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

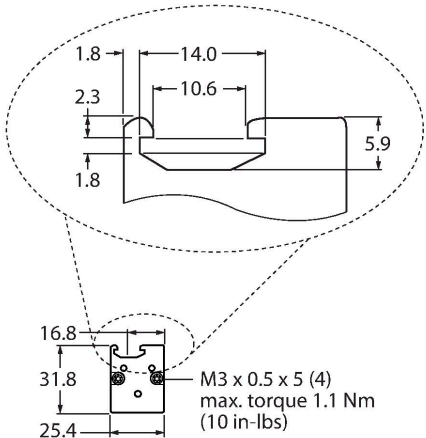


#### Functional principle

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.

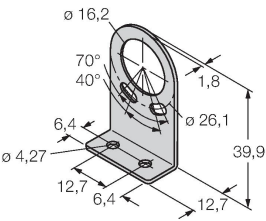
Technical data

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



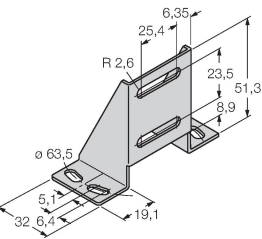
Accessories

SMBLX 3002915



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

SMBLXR 3002914



Foot, galvanized steel, for LX series