

Safety Light Curtain

Finger Protection

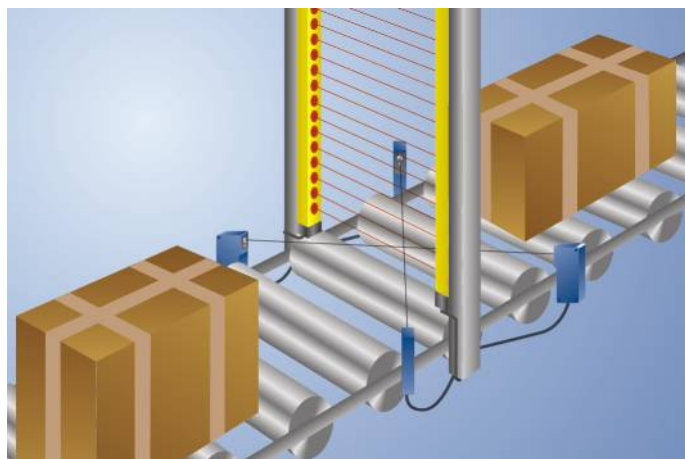
SG4-14IE060C1

Part Number



- Completely integrated electronics
- Fix blanking, floating blanking and reduced resolution, cascading, muting
- Serial interface

These safety light curtains are distinguished by their compact design. They are also equipped with numerous auxiliary functions, allowing for adaptation to the respective application in a highly individualized fashion. The adequate mounting angle BEF-SET-33 is included in the delivery.



Technical Data

Optical Data

| | |
|---------------------------|------------|
| Range | 0,25...7 m |
| Safety Field Height (SFH) | 614 mm |
| Resolution | 14 mm |
| Light Source | Red Light |
| Opening Angle | ± 2,5 ° |

Electrical Data

| | |
|---|-------------|
| Sensor Type | Receiver |
| Supply Voltage | 24 V DC |
| Current Consumption (U _b = 24 V) | 300 mA |
| Response Time | 21 ms |
| Temperature Range | -20...50 °C |
| Storage temperature | -25...70 °C |
| No. Safety Outputs (OSSDs) | 2 |
| Safety Output Voltage Drop | < 2,5 V |
| PNP Safety Output/Switching Current | 300 mA |
| Signal Outputs | 1 |
| Signal Output Voltage Drop | < 2,5 V |
| Signal Output/Switching Current | 200 mA |
| Short Circuit and Overload Protection | yes |
| Reverse Polarity Protection | yes |
| Interface | RS-485 |
| Protection Class | III |

Mechanical Data

| | |
|----------------------|----------------|
| Housing Material | Aluminum |
| Disk Material | Polycarbonate |
| Degree of Protection | IP67 |
| Connection | M12 × 1; 8-pin |

Safety-relevant Data

| | |
|------------------------------------|----------------|
| ESPE Type (EN 61496) | 4 |
| Safety Category (EN ISO 13849-1) | 4 |
| Performance Level (EN ISO 13849-1) | PL e |
| PFHD | 4,22 × E-8 1/h |
| Service Life TM (EN ISO 13849-1) | 20 a |

Function

| | |
|-----------------------|-----|
| Finger Protection | yes |
| Restart Inhibit | yes |
| Contactors Monitoring | yes |
| Cascading | yes |
| Fix Blanking | yes |
| Floating Blanking | yes |
| Reduced Resolution | yes |
| Serial Communication | yes |

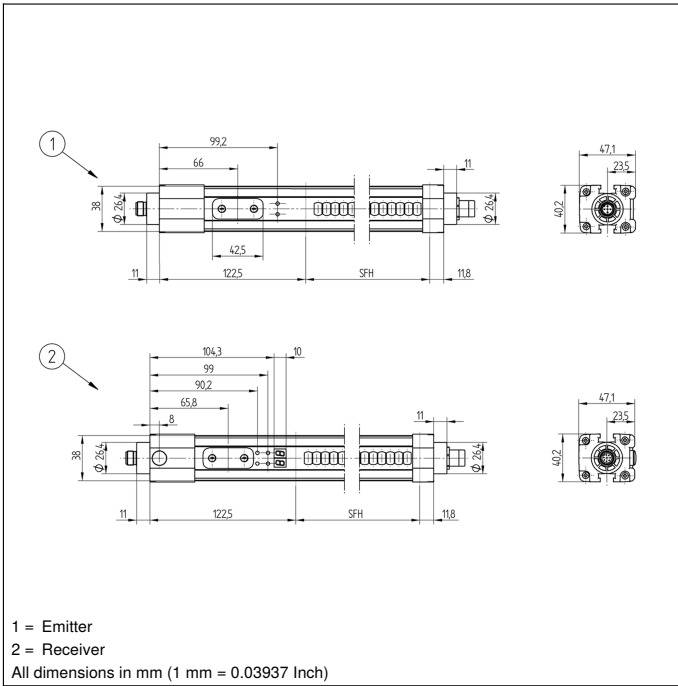
| | |
|------------------------------------|----------|
| Connection Table No. | 28 |
| Control Panel No. | S4 |
| Suitable Connection Technology No. | 88 88s |
| Suitable Mounting Technology No. | 700 |
| Suitable Serial Interface Plug No. | 11 |

Suitable Emitter

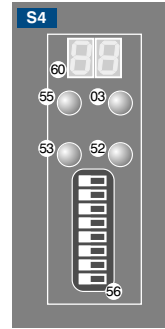
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Complementary Products

| |
|---|
| Laser Alignment Tool SZ0-LAH1 |
| Muting Indicator SM0-00CA000C1 |
| Path-Folding Mirror Z2UG002 |
| Protection Column with Path-Folding Mirror SZ000EU125NN01 |
| Protection Column with Protective Screen SZ000EG125NN01 |
| Safety Relay SG4-00VA000R2, SR4B3B01S, SR4D3B01S |
| Software |
| Software wsafe |



Ctrl. Panel



- 03 = Error Indicator
- 20 = Enter Button
- 52 = OSSD ON
- 53 = OSSD OFF
- 55 = Blanking
- 56 = Dip-Switch
- 60 = Display

