# Safety Light Curtain
## Hand Protection

# SEFG661



- **Higher levels of safety and availability thanks to intelligent muting functions**
- **Multifunctional thanks to measuring function**
- **Quick duplication of settings via microSD memory card**
- **Simple configuration and diagnosis with wTeach2 software**

The safety light curtain can be flexibly integrated into systems thanks to the well-conceived mounting technology and the compact housing. Alignment of the emitter and the receiver is simplified by the visible red light and the signal strength display. User-friendly wTeach2 software make settings and diagnosis via the IO-Link interface extremely easy. Settings can be subsequently saved to a microSD card and quickly duplicated on other products. Extensive muting functions guarantee an ideal solution for every application in order to safely transport objects into and out of the danger zone.



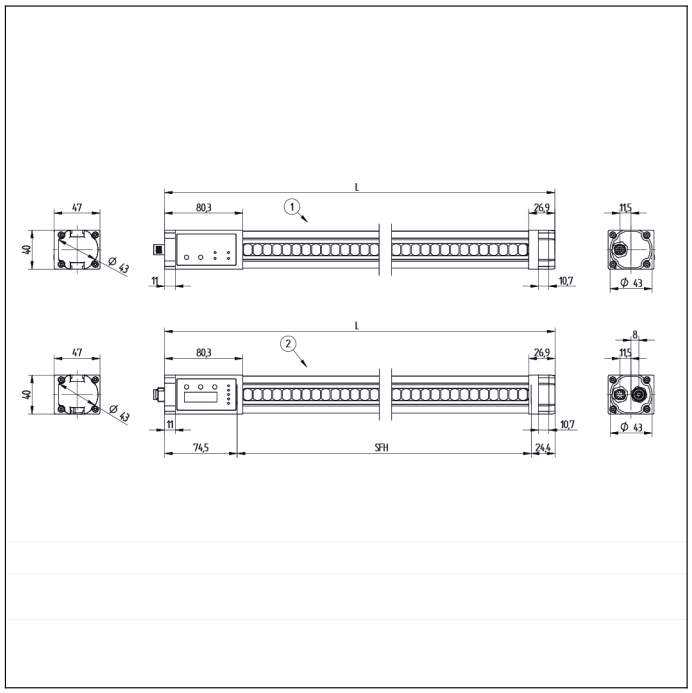
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|---|---|
| **Optical Data** | |
| Range | 0,25...20 m |
| Housing Length (L) | 1760 mm |
| Safety Field Height (SFH) | 1662 mm |
| Resolution | 30 mm |
| Light Source | Red Light |
| Max. Ambient Light | 10000 Lux |
| Opening Angle | ± 2,5 ° |
| **Electrical Data** | |
| Sensor Type | Receiver |
| Supply Voltage | 19,2...28,8 V DC |
| Current Consumption (Ub = 24 V) | ≤ 350 mA |
| Response Time | 17,2 ms |
| Temperature Range | -30...55 °C |
| Storage temperature | -30...70 °C |
| Number of safety outputs (OSSDs) | 2 |
| Safety Output Voltage Drop | ≤ 2,3 V |
| PNP Safety Output/Switching Current | ≤ 300 mA |
| Number of Signal Outputs | 1 |
| Signal Output Voltage Drop | < 2,5 V |
| Signal Output/Switching Current | < 100 mA |
| Short Circuit Protection | yes |
| Overload Protection | yes |
| Interface | IO-Link V1.1 |
| Protection Class | III |
| **Mechanical Data** | |
| Housing Material | Aluminum, anodised |
| Optic Cover | Plastic, PC |
| Degree of Protection | IP65 |
| Degree of Protection | IP67 |
| Connection | M12 × 1; 8-pin |
| **Safety-relevant Data** | |
| ESPE Type (EN 61496) | 4 |
| Performance Level (EN ISO 13849-1) | Cat. 4 PL e |
| PFHD | ≤ 1.8 × 10-8 |
| Mission Time TM (EN ISO 13849-1) | 20 a |
| Safety Integrity Level (EN 61508) | SIL 3 |
| Safety Integrity Level (EN 62061) | SILCL 3 |
| **Function** | |
| Hand Protection | yes |
| Scope of functions | Muting |
| Scope of delivery | 1 × safety light curtain |
| IO-Link | ● |
| Connection Diagram No. | 1029 1030 |
| Suitable Connection Equipment No. | 89 |
| Suitable Mounting Technology No. | 701 810 860 870 880 |

## Suitable Emitter

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|---|
| SEFG521 |

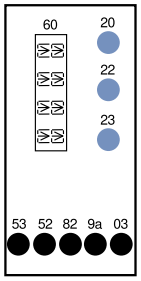
## Complementary Products

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|---|
| IO-Link Master |
| Laser alignment tool Z98G001 |
| microSD card ZNNG013 |
| Muting boom ZMZG005 |
| Muting connection box ZFBB001 |
| Protection column with deflection mirror Z2SU003 |
| Protection columns with/without protective screen (Z2SS003/ Z2SM003) |
| Safety Relay SG4-00VA000R2, SR4B3B01S, SR4D3B01S |
| Test rods ZEMG003 and ZEMG009 |




## Ctrl. Panel

A39




03 = Error Indicator
20 = Enter key
22 = Up key
23 = Down key
52 = OSSD ON
53 = OSSD OFF
60 = display
82 = Acknowledgement Request
9a = weak signal

