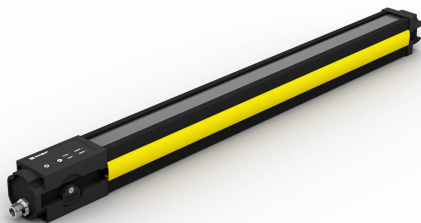


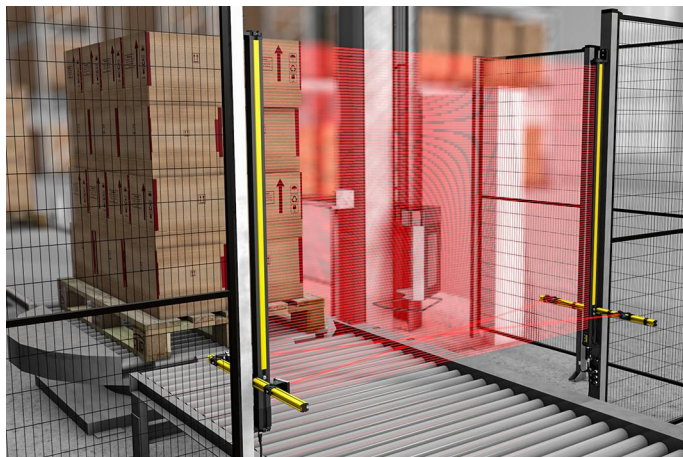
# Safety Light Curtain

## Hand Protection

# SEFG513



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.



### Optical Data

|                           |             |
|---------------------------|-------------|
| Range                     | 0,25...20 m |
| Housing Length (L)        | 559 mm      |
| Safety Field Height (SFH) | 460 mm      |
| Resolution                | 30 mm       |
| Light Source              | Red Light   |
| Wavelength                | 630 nm      |
| Opening Angle             | ± 2,5 °     |

### Electrical Data

|                                     |                  |
|-------------------------------------|------------------|
| Sensor Type                         | Emitter          |
| Supply Voltage                      | 19,2...28,8 V DC |
| Current Consumption (Ub = 24 V)     | ≤ 100 mA         |
| Response Time                       | 10 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; 5-pin     |

### Safety-relevant Data

|                                    |                          |
|------------------------------------|--------------------------|
| ESPE Type (EN 61496)               | 4                        |
| Performance Level (EN ISO 13849-1) | Cat. 4 PL e              |
| PFHD                               | ≤ 1.8 × 10 <sup>-8</sup> |
| 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 delivery | 1 × safety light curtain |

Connection Diagram No.

1031

Suitable Connection Equipment No.

35

Suitable Mounting Technology No.

701 | 810 | 860 | 870 | 880

### Suitable Receiver

SEFG613

### Complementary Products

Deflection mirror Z0030

Protection column with Z2SU001 deflection mirror

Protection columns with/without protective screen (Z2SS001/ Z2SM001)



# Ctrl. Panel

A38



03 = Error Indicator  
68 = Power LED  
8a = coding  
95 = Diagnosis/Large Detection Range

