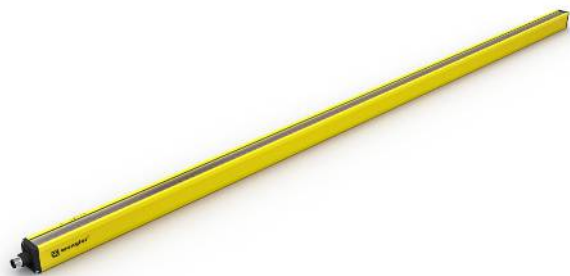


# Safety Light Curtain

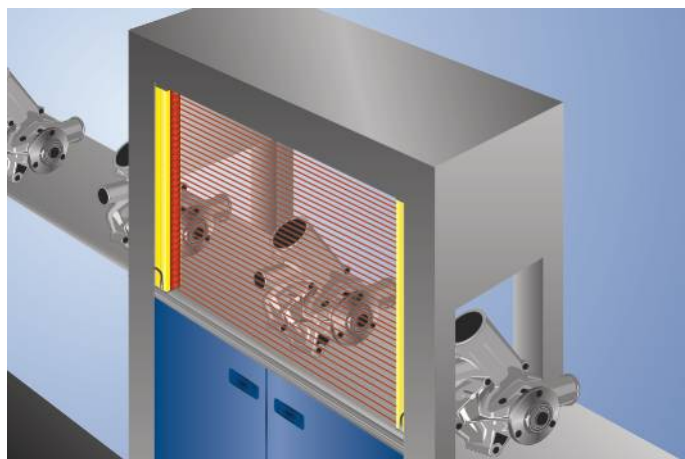
## Finger Protection

# SEMG578



- Easy configuration via wiring
- Protection field over the entire length of the housing for an installation without protrusion
- Quick alignment through visible red light
- Slim design for easy integration

These safety light curtains complete all basic tasks with ease. The basic functions of safety operating mode, restart inhibit and contactor monitoring are integrated as standard and can be easily configured. Without protrusion, the safety field always extends to the end of the housing. This makes it easy to secure even in confined installation conditions.



### Optical Data

|                           |            |
|---------------------------|------------|
| Range                     | 0,25...6 m |
| Housing Length (L)        | 1211 mm    |
| Safety Field Height (SFH) | 1211 mm    |
| Resolution                | 14 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 (U <sub>b</sub> = 24 V) | 75 mA            |
| Temperature Range                           | -5...55 °C       |
| Storage temperature                         | -25...60 °C      |
| Reverse Polarity Protection                 | yes              |
| Protection Class                            | III              |

### Mechanical Data

|                      |                  |
|----------------------|------------------|
| Housing Material     | Aluminum         |
| Disc Material        | Polycarbonate    |
| Degree of Protection | IP65/IP67        |
| Connection           | M12 × 1; 4/5-pin |

### Safety-relevant Data

|                                    |             |
|------------------------------------|-------------|
| ESPE Type (EN 61496)               | 4           |
| Performance Level (EN ISO 13849-1) | Cat. 4 PL e |
| Mission Time TM (EN ISO 13849-1)   | 20 a        |
| Safety Integrity Level (EN 61508)  | SIL3        |
| Safety Integrity Level (EN 62061)  | SILCL3      |

### Function

|                    |                |
|--------------------|----------------|
| Finger Protection  | yes            |
| Scope of functions | Basic function |

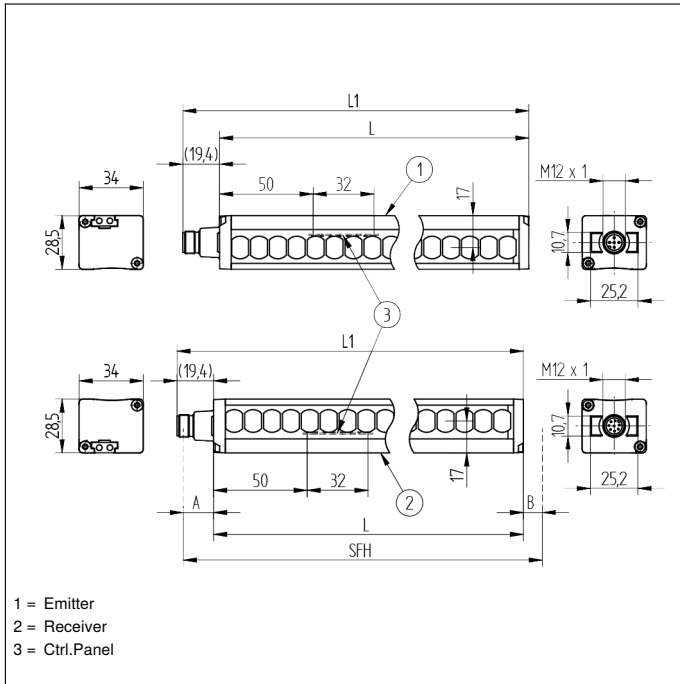
|                                   |   |
|-----------------------------------|---|
| Connection Diagram No.            | <b>362</b>  |
| Control Panel No.                 | <b>SR4</b>  |
| Suitable Connection Equipment No. | <b>2</b>   <b>35</b>                              |
| Suitable Mounting Technology No.  | <b>701</b>   <b>790</b>   <b>810</b>   <b>820</b> |

### Suitable Receiver

SEMG678

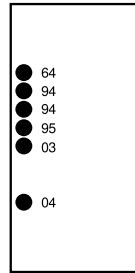
### Complementary Products

|   |
|---|
| Path-Folding Mirror Z2UG003                               |
| Protection column with deflection mirror Z2SU002          |
| Protection Column with Path-Folding Mirror SZ000EU170NN01 |
| Protection Column with Protective Screen SZ000EG170NN01   |
| Protection column with protective screen Z2SS002          |
| Software  |



### Ctrl. Panel

SR4



03 = Error Indicator  
04 = Function Indicator  
64 = Diagnosis/Test  
94 = Diagnosis  
95 = Diagnosis/Large Detection Range

