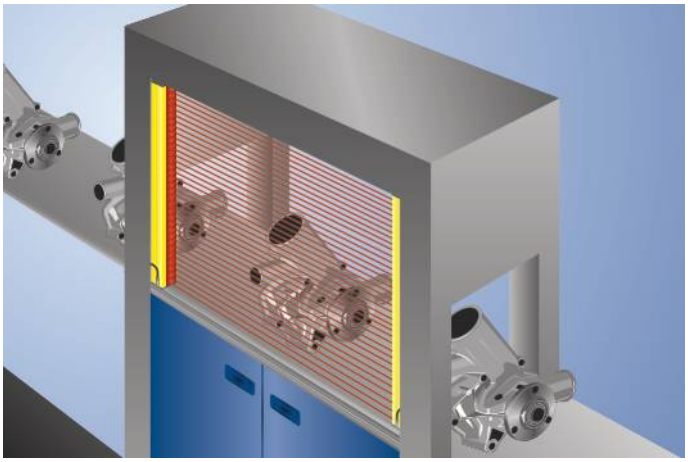
Safety Light Curtain Set
Finger Protection

SEMG472



- **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**

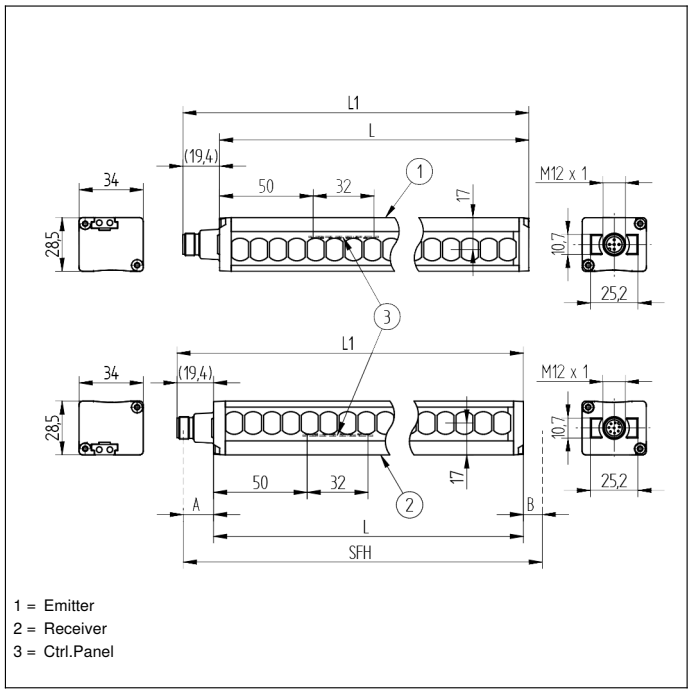
These safety light curtains confidently solve all basic tasks. The basic function protection mode, restart inhibit and protection monitoring are standard and can be easily configured. The protective field always extends up to the end of the housing without protrusion. As a result, protection is easily provided even in confined installation conditions. The adequate mounting angle ZEMX001 is included in the delivery.



Optical Data	
Range	0,25...6 m
Housing Length (L)	310 mm
Safety Field Height (SFH)	310 mm
Resolution	14 mm
Light Source	Red Light
Wavelength	630 nm
Max. Ambient Light	10000 Lux
Opening Angle	± 2,5 °
Electrical Data	
Sensor Type	Set
Supply Voltage	19,2...28,8 V DC
Response Time	8,3 ms
Temperature Range	-25...55 °C
Storage temperature	-25...60 °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 and Overload Protection	yes
Reverse Polarity Protection	yes
Protection Class	III
Mechanical Data	
Housing Material	Aluminum
Disc Material	Polycarbonate
Degree of Protection	IP65/IP67
Connection	M12 × 1
Safety-relevant Data	
ESPE Type (EN 61496)	4
Safety Category (EN ISO 13849-1)	4
Performance Level (EN ISO 13849-1)	PL e
PFHD	1,60 × E-8 1/h
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
Scope of delivery	Mounting ZEMX001
Scope of delivery (Emitter; Receiver)	SEMG572; SEMG672
Connection Diagram No.	361 / 362
Control Panel No.	SR4 / SR5
Suitable Connection Equipment No.	35 / 89
Suitable Mounting Technology No.	701 790 810 820

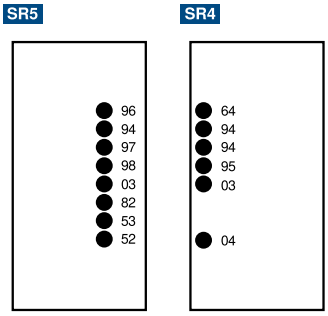
Complementary Products

Path-Folding Mirror Z2UG002
Protection Column with Path-Folding Mirror SZ000EU125NN01
Protection Column with Protective Screen SZ000EG125NN01
Protection column with protective screen Z2SS001
Protection column with Z2SU001 deflection mirror
Safety Relay SG4-00VA000R2, SR4B3B01S, SR4D3B01S
Software



1 = Emitter
2 = Receiver
3 = Ctrl.Panel

Ctrl. Panel



03 = Error Indicator
04 = Function Indicator
52 = OSSD ON
53 = OSSD OFF
64 = Diagnosis/Test
82 = Acknowledgement Request
94 = Diagnosis
95 = Diagnosis/Large Detection Range
96 = Diagnosis/Signal weak
97 = Diagnosis/Contactor Monitoring
98 = Diagnosis/Synchronization

