Safety Light Curtain
Finger Protection

SEFG531



- **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.



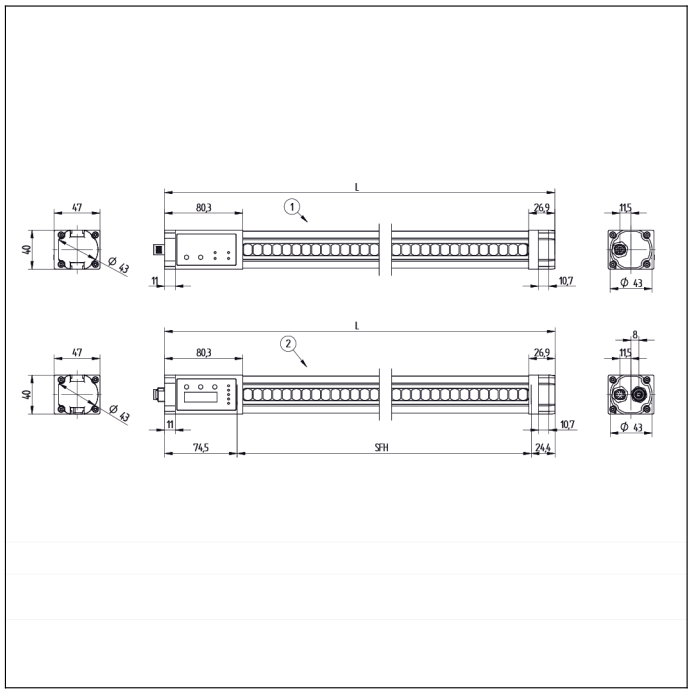
Optical Data	
Range	0,25...7 m
Housing Length (L)	258 mm
Safety Field Height (SFH)	159 mm
Resolution	14 mm
Light Source	Red Light
Wavelength	630 nm
Opening Angle	± 2,5 °
Electrical Data	
Sensor Type	Emitter
Supply Voltage	19,2...28,8 V DC
Current Consumption (Ub = 24 V)	≤ 100 mA
Response Time	9 ms
Temperature Range	-30...55 °C
Storage temperature	-30...70 °C
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 × 10-8
Mission Time TM (EN ISO 13849-1)	20 a
Safety Integrity Level (EN 61508)	SIL 3
Safety Integrity Level (EN 62061)	SILCL 3
Function	
Finger Protection	yes
Scope of delivery	1 × safety light curtain
IO-Link	●
Connection Diagram No.	1031
Suitable Connection Equipment No.	35
Suitable Mounting Technology No.	701 810 860 870 880

Suitable Receiver

SEFG631

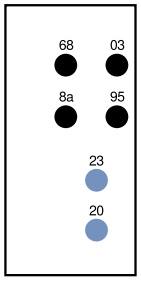
Complementary Products

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

1031

