Safety Light Curtain
Hand Protection

SEFG616



- **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 intelligent 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. The user-friendly wTeach2 software makes 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 blanking and muting functions ensure an ideal solution for every application in order to safely transport objects into and out of the danger zone.



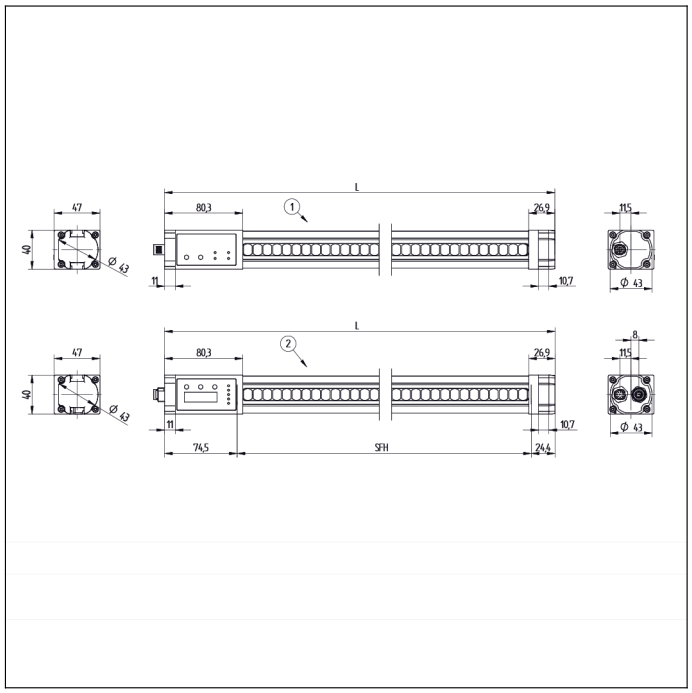
Optical Data	
Range	0,25...20 m
Housing Length (L)	1009 mm
Safety Field Height (SFH)	910 mm
Resolution	30 mm
Light Source	Red Light
Max. Ambient Light	10000 Lux
Opening Angle	± 2,5 °
Electrical Data	
Sensor Type	Receiver
Supply Voltage	19,2...28,8 V DC
Current Consumption (Ub = 24 V)	≤ 350 mA
Response Time	12,6 ms
Response time (special)	18,4 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 and blanking
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

SEFG516

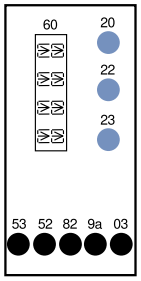
Complementary Products

IO-Link Master
Laser alignment tool Z98G001
microSD card ZNNG013
Muting boom ZMZG005
Muting connection box ZFBB001
Protection column with deflection mirror Z2SU002
Protection columns with/without protective screen (Z2SS002/ Z2SM002)
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

