

Safety Light Curtain

Finger Protection

SEFG641

Part Number



- 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 blanking and muting functions ensure an ideal solution for every application, in order to safely transport objects into and out of the danger zone.



Technical Data

Optical Data	
Range	0,25...7 m
Housing Length (L)	1760 mm
Safety Field Height (SFH)	1662 mm
Resolution	14 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	27 ms
{Reaktionszeit_special}	40 ms
Temperature Range	-30...55 °C
Storage temperature	-30...70 °C
No. 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
Interface	IO-Link V1.1
Protection Class	III

Mechanical Data	
Housing Material	Aluminum
Disc Material	Polycarbonate
Degree of Protection	IP65/IP67
Connection	M12 × 1; 8-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	Muting and Blanking
Scope of delivery	ZEFX001 mounting

IO-Link	
Connection Diagram No.	1029 1030
Control Panel No.	A39
Suitable Connection Equipment No.	89
Suitable Mounting Technology No.	860 870 880

Suitable Emitter

SEFG541

Complementary Products

IO-Link Master
Laser Alignment Tool Z98G001
microSD card ZNNG013
Protection column with Z2SU003 path-folding mirror
Protection columns with/without protective screen (Z2SS003/ Z2SM003)
Safety Relay SG4-00VA000R2, SR4B3B01S, SR4D3B01S
ZEMG003 and ZEMG009 test rods
ZFBB001 muting connection box
ZMZG005 muting arm

