SG4-30IE105C1
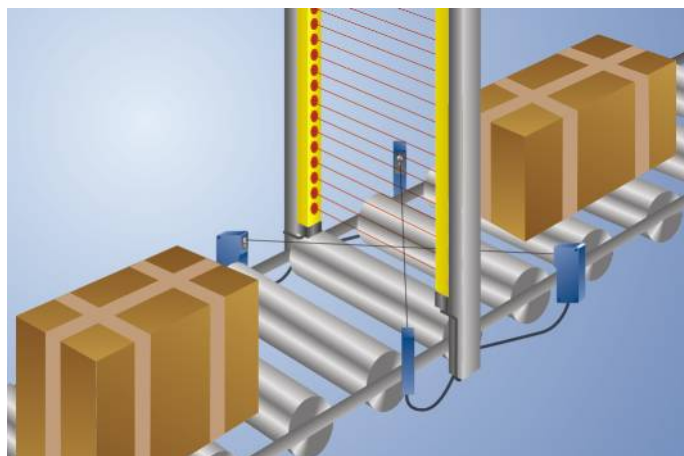
Part Number

- **Completely integrated electronics**
- **Fix blanking, floating blanking and reduced resolution, cascading, muting**
- **Serial interface**

These safety light curtains are distinguished by their compact design. They are also equipped with numerous auxiliary functions, allowing for adaptation to the respective application in a highly individualized fashion. The adequate mounting angle BEF-SET-33 is included in the delivery.

Technical Data

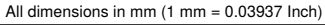| Optical Data	
Range	0,5...20 m
Safety Field Height (SFH)	1080 mm
Resolution	30 mm
Light Source	Red Light
Opening Angle	± 2,5 °
Electrical Data	
Sensor Type	Receiver
Supply Voltage	24 V DC
Current Consumption (Ub = 24 V)	300 mA
Response Time	16 ms
Temperature Range	-20...50 °C
Storage temperature	-25...70 °C
No. Safety Outputs (OSSDs)	2
Safety Output Voltage Drop	< 2,5 V
PNP Safety Output/Switching Current	300 mA
Number of Signal Outputs	1
Signal Output Voltage Drop	< 2,5 V
Signal Output/Switching Current	200 mA
Short Circuit and Overload Protection	yes
Reverse Polarity Protection	yes
Interface	RS-485
Protection Class	III
Mechanical Data	
Housing Material	Aluminum
Disc Material	Polycarbonate
Degree of Protection	IP67
Connection	M12 × 1; 8-pin
Safety-relevant Data	
ESPE Type (EN 61496)	4
Safety Category (EN ISO 13849-1)	4
Performance Level (EN ISO 13849-1)	PL e
PFHD	3,08 × E-8 1/h
Mission Time TM (EN ISO 13849-1)	20 a
Function	
Hand Protection	yes
Restart Inhibit	yes
Contactor Monitoring	yes
Cascading	yes
Fix Blanking	yes
Floating Blanking	yes
Reduced Resolution	yes
Serial Communication	yes
Connection Table No.	28
Control Panel No.	S4
Suitable Connection Equipment No.	88 88s
Suitable Mounting Technology No.	700
Suitable Serial Interface Plug No.	11

Suitable Emitter

SG4-30IS105C1

Complementary Products

Laser Alignment Tool SZ0-LAH1
Muting Indicator SM0-00CA000C1
Path-Folding Mirror Z2UG003
Protection Column with Path-Folding Mirror SZ000EU170NN01
Protection Column with Protective Screen SZ000EG170NN01
Safety Relay SG4-00VA000R2, SR4B3B01S, SR4D3B01S
Software
Software wsafe

1 = Emitter
2 = Receiver
All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl. Panel

S4

03 = Error Indicator
20 = Enter Button
52 = OSSD ON
53 = OSSD OFF
55 = Blanking
56 = Dip-Switch
60 = Display