Safety Light Array Type 4

Body Protection

SB4-40IE080C1

Part Number

- **Completely integrated electronics**
- **Fix blanking, reduced resolution, Cascading, Muting**
- **Serial interface**

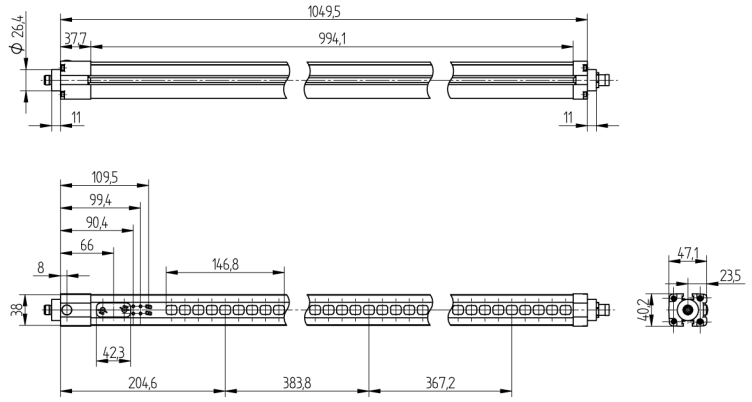
These Safety Light Arrays are distinguished by their compact design. They are also equipped with numerous auxiliary functions, allowing for adaptation to the respective application in a highly individualized fashion. The adequate Mounting Angle BEF-SET-33 is included in the delivery.

Technical Data

Optical Data	
Range	0,5...20 m
Beam Distance	400 mm
Number of beams	3
Light Source	Red Light
Opening Angle	+/- 2,5 °
Electrical Data	
Sensor Type	Receiver
Supply Voltage	21,6...26,4 V DC
Current Consumption (Ub = 24 V)	300 mA
Response Time	8,2 ms
Temperature Range	-20...50 °C
Signal Outputs	1
Signal Output Voltage Drop	< 2,5 V
Signal Output/Switching Current	200 mA
No. Safety Outputs	2
Safety Output Voltage Drop	< 2,5 V
PNP Safety Output/Switching Current	300 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Interface	RS-485
Protection Class	III
Mechanical Data	
Housing Material	Aluminum
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
Service Life TM (EN ISO 13849-1)	20 a
Function	
Body Protection	yes
Restart Inhibit	yes
Contactor Monitoring	yes
Cascading	yes
Fix Blanking	yes
Reduced Resolution	yes
Serial Communication	yes
Connection Table No.	28
Control Panel No.	S 4
Suiting Connection Technology No.	88 88s
Suiting Mounting Technology No.	700
Suitable Serial Interface Plug No.	11

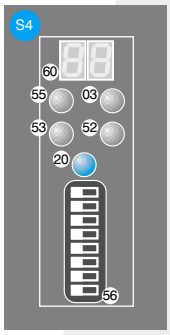
Suiting Emitter

SB4-40IS080C1



All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl.Panel



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

Complementary Products

Deflection Mirror SLU920V1
Muting Indicator SM0-00CA000C1
Protection Column with Deflection Mirror SZ000EU125NN01
Protection Column with Screening Grid SZ000EG125NN01
Relay Unit Type 2/Type 4 SG4-00VA000R2
Software wsafe

Specifications are subject to change without notice