Safety Light Array
Body Protection

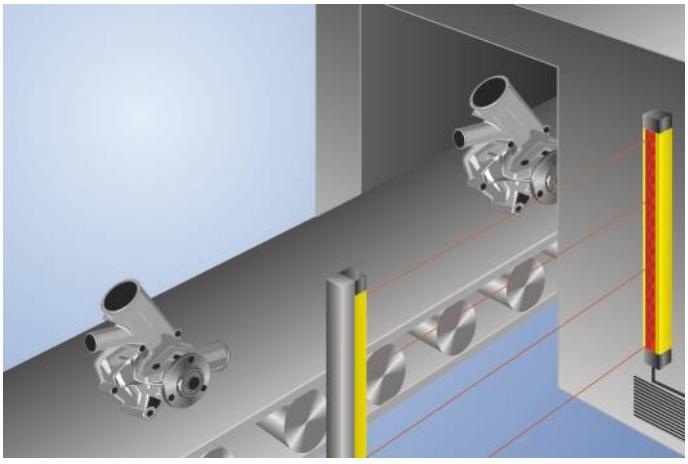
SB4-40IE080C1

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
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	
Body Protection	yes
Scope of functions	Basic function

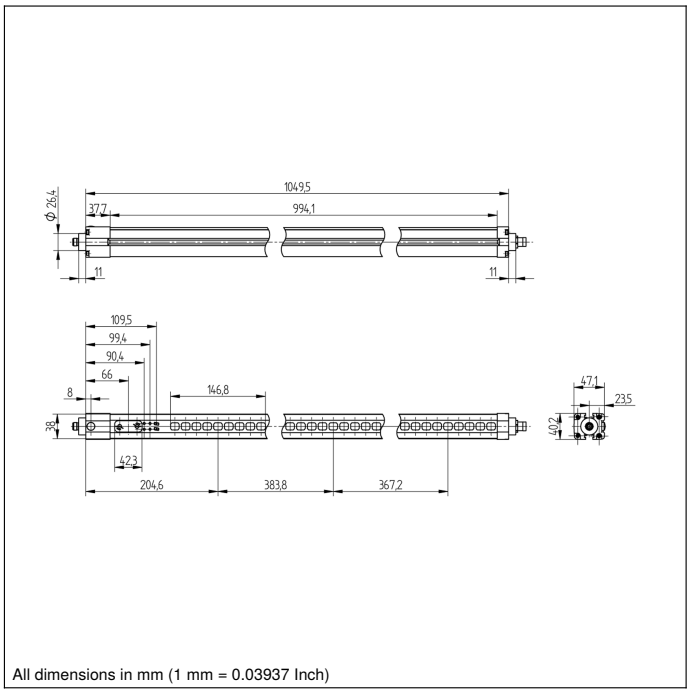
Connection Table No.	28
Control Panel No.	S4
Suitable Connection Equipment No.	88 88s
Suitable Mounting Technology No.	700
Suitable Serial Interface Plug No.	11

Suitable Emitter

SB4-40IS080C1

Complementary Products

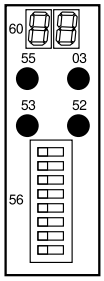
Muting Indicator SM0-00CA000C1
Path-Folding Mirror Z2UG003
Protection Column with Path-Folding Mirror SZ000EU125NN01
Protection Column with Protective Screen SZ000EG125NN01
Safety Relay SG4-00VA000R2, SR4B3B01S, SR4D3B01S
Software
Software wsafe



All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl. Panel

S4



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

Specifications are subject to change without notice