

Safety Light Array

Body Protection

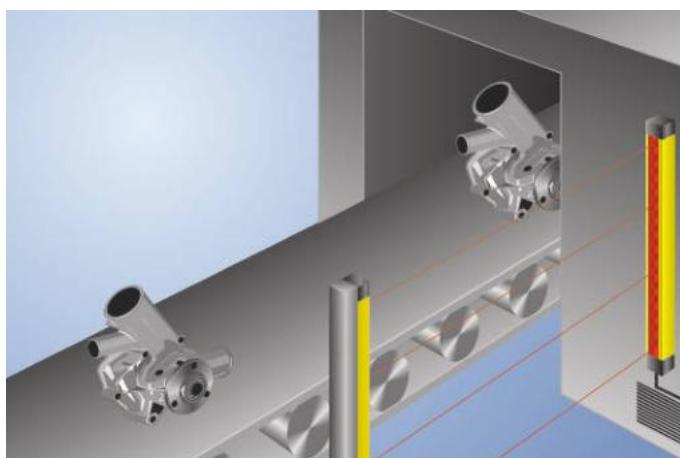
SB4-30IE090C1

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 | 300 mm |
| Number of Beams | 4 |
| 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 | 10 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 x 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 x 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

SB4-30IS090C1

Complementary Products

Muting Indicator SM0-00CA000C1

Path-Folding Mirror Z2UG003

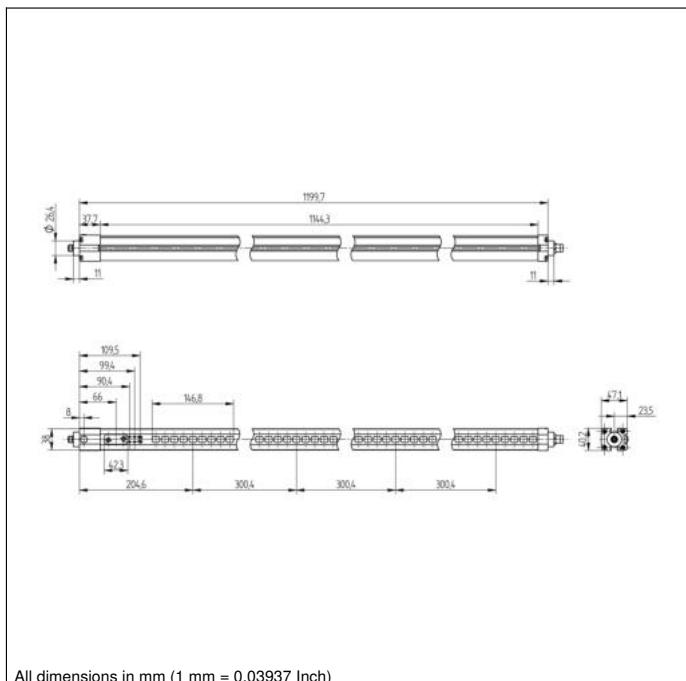
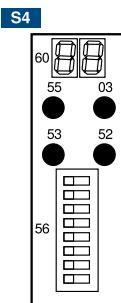
Protection Column with Path-Folding Mirror SZ000EU170NN01

Protection Column with Protective Screen SZ000EG170NN01

Safety Relay SG4-00VA000R2, SR4B3B01S, SR4D3B01S

Software

Software wsafe


Ctrl. Panel


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

