

Safety Light Curtains

Body resolution series SB2-.../...-D50

CARLO GAVAZZI



- Safety Category 2 in conformity with EN 61496-1 and /-2
- Body resolution
- Test, start and override functions
- On board DIP switch selectable functions: partial / total muting and manual / automatic restart
- Failure diagnosis by LEDs
- Easy alignment and mounting procedure
- Compact dimensions

Product Description

Safety Light Curtains of Safety Category 2 in conformity with EN 61494-1 /-2.

The SB2- body resolution series is provided with partial / total muting function, automatic / manual restart mode. All the software dedicated is on board and the functions above can be selected and

adjusted through the DIP switches placed in the receiver unit.

The SB2 light curtain series can be effectively employed along with the respective safety relay NL1/3-D, obtaining a complete safety package for many industrial applications.

Ordering Key

SB2-415/815-D50

Safety Barriers _____
 Safety Category _____
 Resolution _____
 Protected Height _____
 Operating Distance _____

Type Selection

| Height of the protected area | Resolution (mm) | Number of beams | Height (h) mm | Ordering no. |
|------------------------------|-----------------|-----------------|---------------|-------------------------|
| 515 | 515 | 2 | 652 | SB2-515/515-D50 |
| 815 | 415 | 3 | 952 | SB2-415/815-D50 |
| 915 | 315 | 4 | 1052 | SB2-315/915-D50 |
| 1215 | 415 | 4 | 1342 | SB2-415/1215-D50 |

Specifications

| | | | |
|---------------------------------------|----------------------------------------------------------------|------------------------------------|------------------------------------------------------|
| Response time | 14ms | Protection degree | IP 65 |
| Scanning distance | 0,5 ÷ 50 m | Operating temperature | -10 ÷ +55 °C |
| Safety Output function | 2 PNP | Environment light rejection | IEC-61496-2 |
| Power supply | 24 VDC ± 20 % | Housing | Painted Aluminum |
| Emitter / Receiver consumption | 70 mA / 100 mA max | Output connection | TX: M12 4-pole connector RX: M12 8-pole connector |
| Auxiliary functions | Total muting / Partial muting / Override / Auto / Manual reset | External dimensions mm | 35 x 40 x h |