

Safety Light Curtains Body Resolution Series SB2-*/*-D50



- Safety Category 2 in conformity with EN 61496-1 and /-2
- Body resolution
- On board DIP-Switch selectable functions
- Failure diagnosis by LEDs
- Easy alignment and mounting procedure
- Compact dimensions
- Approvals:



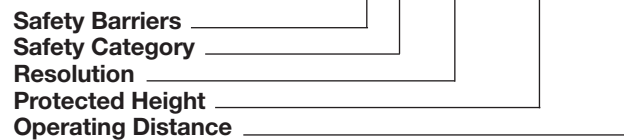
Product Description

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 adopted along with the respective safety relay NL1/3-D, obtaining a complete safety package for many industrial applications.

Ordering Key

SB2-415/815-D50



Type Selection

| Height of the protected area | Resolution mm (inches") | Number of beams | Overall height H | Ordering no. |
|------------------------------|-------------------------|-----------------|------------------|-------------------------|
| 515mm (20.28") | 515mm (20.21") | 2 | 652mm (25.67") | SB2-515/515-D50 |
| 815mm (32.09") | 415mm (16.34") | 3 | 952mm (37.48") | SB2-415/815-D50 |
| 915mm (36.02") | 315mm (12.4") | 4 | 1052mm (41.42") | SB2-315/915-D50 |
| 1215mm (47.83") | 415mm (16.34") | 4 | 1342mm (52.83") | SB2-415/1215-D50 |

General Specifications

| | | | |
|--|--|------------------------|----------|
| Resolution | See Type Selection table | Other functions | Override |
| Scanning distance | 0.5 to 50 m (19.7" to 164') | Response time | 14 ms |
| Dip-Switch selectable functions | Automatic or manual reset Partial or total muting | | |

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Electrical Specifications

| | | | |
|----------------------|--------------|-----------------|----------------------------|
| Power supply | 24 Vac ± 20% | Light emission | Infrared (880 nm) |
| Emitter consumption | 70 mA max | Output function | 2 PNP |
| Receiver consumption | 100 mA max | Output current | 0.5 max (on single output) |

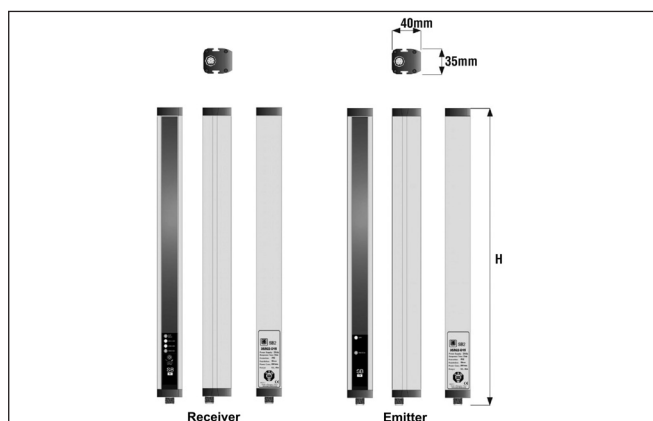
Environmental Specifications

| | | | |
|-----------------------|---------------|---------------------|---------------|
| Operating temperature | -10 to + 55°C | Storage temperature | -25 to + 70°C |
|-----------------------|---------------|---------------------|---------------|

Mechanical Specifications

| | | | |
|---------------------|--|-------------------|---------------------------------------|
| Receiver connection | M 12 8-pole connector Standard shielded cable length: 3, 5 or 10 m | Protection Degree | IP 65 |
| Emitter connection | M 12 4-pole connector Standard shielded cable length: 3, 5 or 10 m | Housing material | Painted aluminum (yellow Ral 1028) |
| | | Weight | 1.2 Kg max/m of total height |

Dimensions



H = Overall height (see Type Selection)

Wiring Diagrams

