



GridScan range of safety light curtains

Product overview

CEDES
More than you expect!



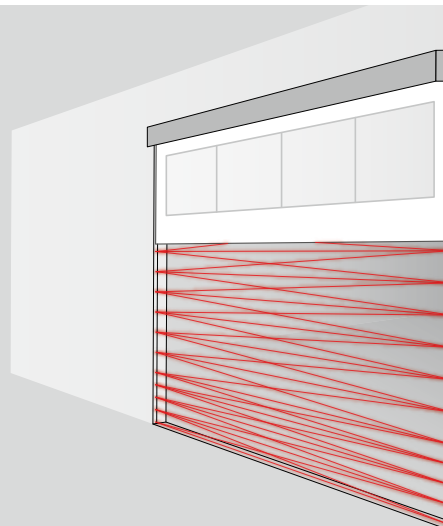
GridScan/Mini

The GridScan/Mini is a very compact, TÜV-certified SIL 2-safety light curtain, designed to safeguard industrial high-speed doors and gates, with a maximum operating range of 10 m. It features up to 50 elements and a minimum resolution of 50 mm. The emitter and receiver edges can be installed directly into the guide rail of the doors. This increases safety and ensures the detection of objects which are under the leading edge during the door closing procedure.



Features

- Operating range of up to 10 m
- Certified SIL 2, Category 2, PL D
- Cross-section of 12 mm × 16 mm
- Waterproof housing (IP67)
- Safety category 2 without test (FSS output)
- Criss-cross beams
- Front and side mounting





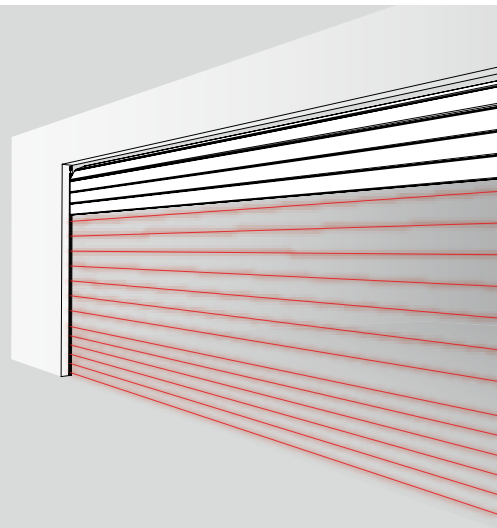
GridScan/Mini-SB2

The GridScan/Mini-SB2 is a SIL 2 and Type 2 certified light curtain featuring European type-approval. It is designed to safeguard any type of automatic door and has a maximum operating range of 8 m. The emitter and receiver edges can be installed directly into the guide rail of the doors. This increases safety and ensures the detection of objects which are under the leading edge of the door during the door closing procedure. The GridScan/Mini-SB2 is an E-device according to EN 12453 and offers all-in-one safeguarding for automatic doors.



Features

- Operating range of up to 8 m
- Certified SIL 2, Category 2, Type 2
- Cross-section of 12 mm × 16 mm
- IP67
- Front and side mounting





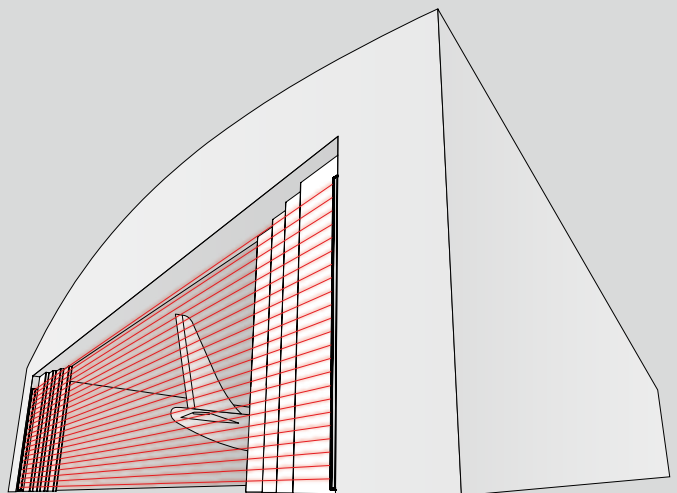
GridScan/LR

The GridScan/LR SIL 2-certified safety light curtain truly goes the distance when it comes to safeguarding aircraft hanger doors, rail platforms and large industrial gates. It has an operating range of up to 80 m, features up to 52 elements and its variable resolution enables these to run the entire length of the edge, offering a protection height of up to 2.6 m.



Features

- Operating range of up to 80 m
- Certified SIL 2, Category 2, Type 2
- Cross-section of 50 mm × 56.5 mm
- IP67





GridScan/Mini



GridScan/Mini-SB2



GridScan/LR



Technical data

| | | | |
|--------------------------------|--|--|---|
| Operating range (in m) | max. 10 | max. 8 | max. 80 |
| Protection height (in mm) | max. 2,500 | max. 2,500 | max. 2,600 |
| Cross-section (in mm) | 12 × 16 | 12 × 16 | 50 × 56.5 |
| Max. number of elements | 50 | 50 | 52 |
| Minimal resolution (in mm) | 50 | 50 | 86 |
| Door speed | 2.5 m/s | 2.5 m/s | – |
| Output | PNP/NPN (Push-pull) or FSS | PNP/NPN or FSS | OSSD (PNP) |
| Supply voltage U _{SP} | 10 ... 30 VDC | 10 ... 30 VDC | 12 ... 30 VDC |
| Enclosure rating | IP67 | IP67 | IP67 |
| Emitter aperture angle | ≤ ±10° at 3 m | ±5° at 3 m | ±5° at 38 ... 80 m |
| Receiver aperture angle | ≤ ±20° at 3 m | ±5° at 3 m | ±5° at 38 ... 80 m |
| Certificates | CE, CSA, TÜV | CE, TÜV | CE, TÜV |
| Safety level | EN 13849-1:2008, Cat. 2, PL D (excl. IEC 61496-2:2006) EN 61508:2011, SIL 2 EN 12978:2009 (SB type) | EN 13849-1:2008, Cat. 2, PL D IEC 61496-2:2006 Type 2 AOPD EN 61508:2011, SIL 2 EN 12978:2009 | EN 13849-1:2008, Cat. 2, PL D IEC 61496-2:2006 Type 2 AOPD EN 61508:2011, SIL 2 |

Application segment

| | | | |
|------------------|---|---|---|
| Garage doors | ● | ● | |
| Industrial doors | ● | ● | |
| Mass transit | | | ● |

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