

Safety much more flexible!

Safe4 Perimeter

Safety Light grid according to IEC 61496-1, -2 resp. EN 61496



ISO 9001 / EN 46001

Description

Safe4 Perimeter systems are robust safety light curtains with which entry surveillance according to EN999 is made user friendly and affordable. The reliability and lack of maintenance needed for such a system allows, even under difficult circumstances, a trouble free operation.

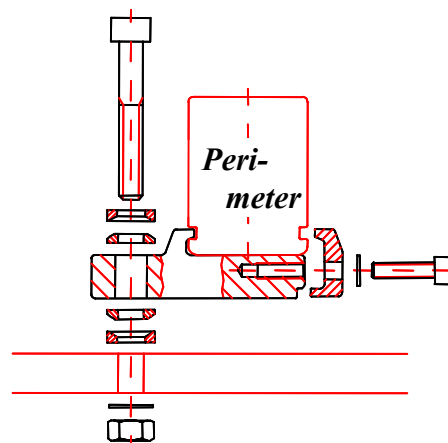
The intelligent laser alignment system reduces the installation time to a minimum. All systems are self-monitoring but a start-up test can be connected if necessary. Mounting brackets, ensuring simple and stable mounting of the edges, are included in the package.

Safe4 Perimeter systems are capable of a range of 0 m to max. 18 m. This dynamic range is achieved with opto edges measuring only 30 mm x 40 mm in diameter. The protection height can be configured in 120 mm increments. With the help of plug-in cable connectors multiple protection fields with a total length of 10 m can be configured. This flexibility and modular configuration capability enables an extremely competitive installation.

Features

- Integrated self monitoring system
- Simple electrical connection without special connector
- Integrated laser alignment system (ILAS)
- Quick and easy installation
- Built in diagnostics
- Cost effective
- Large protection area with one compact profile
- Fast response time
- Several protection areas by cascading edges
- Modular design

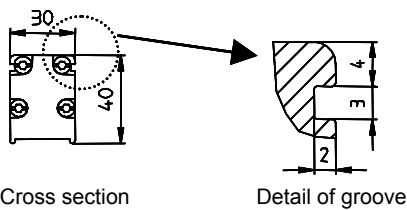
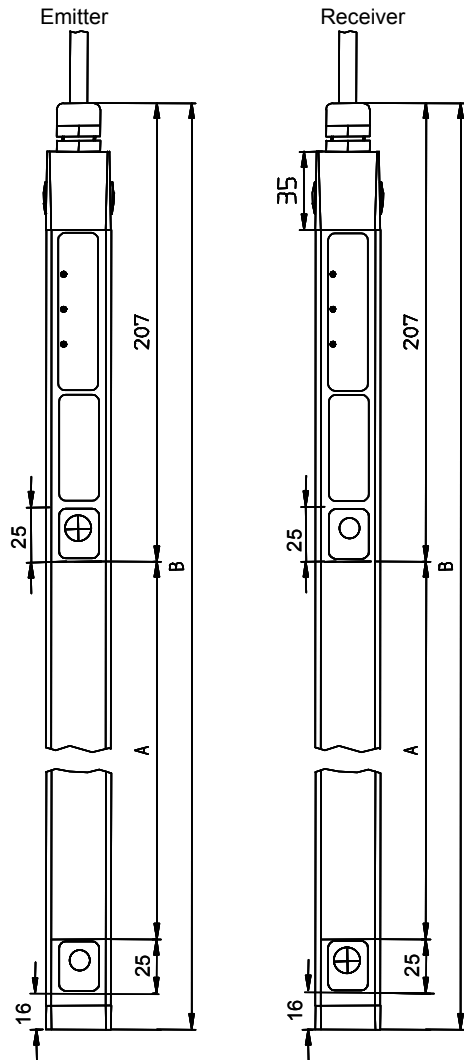
Standard mounting kit



Technical data

| | |
|-------------------------|---|
| Power supply | 24 VDC ±20 % |
| Current consumption | < 500 mA |
| Output receiver | dual channel PNP 24 V / 0.3 A short circuit proof |
| Interface | Optical |
| Diagnostics | LED indicators |
| Input emitter | test |
| Response time | see part number |
| Resolution | depending on specification |
| Operating range | |
| - Resolution 14 mm | 0 ... 9 m |
| - Resolution 30 mm | 0 ... 18 m |
| Protective height | 120 ... 3840 mm |
| Connector | Phoenix Mini COMBICON |
| optional | M12 connector |
| Max. light interference | 5'000 Lux |
| Optical window | polycarbonate |
| Cable strain release | PG7 radial, PG9 axial |
| Enclosure rating | IP 65 |
| Temperature range | 0 ... +55°C |
| ILAS laser class | 2 (IEC60825-1) |

Dimensions



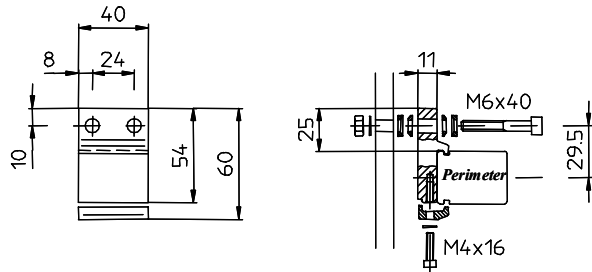
Cross section

Detail of groove

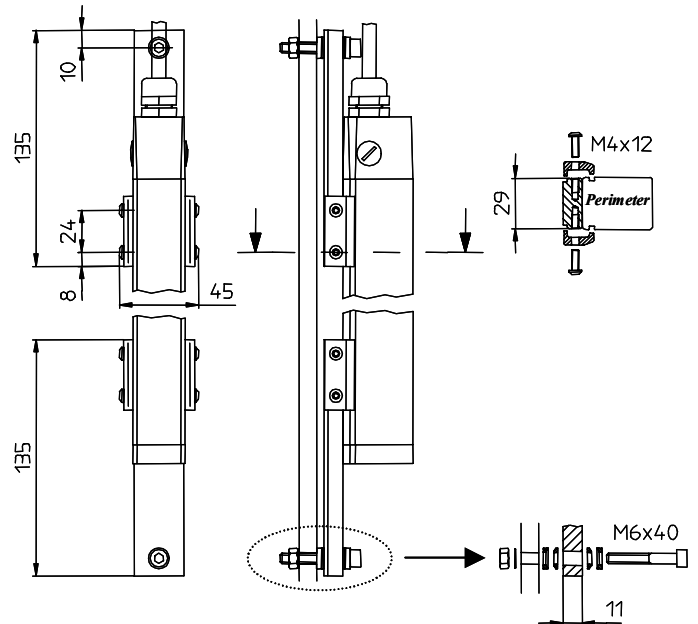
(These dimensions are also available as data files for implementing in CAD drawings (Format: *.dxf).)

Mounting kits

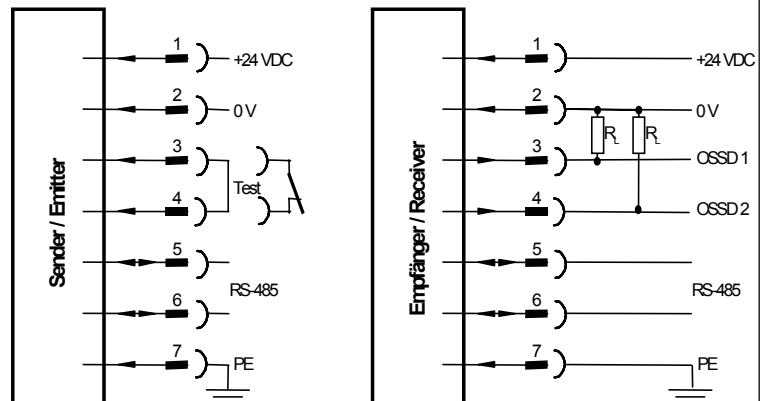
Standard mounting bracket: adjustable $\pm 4^\circ$



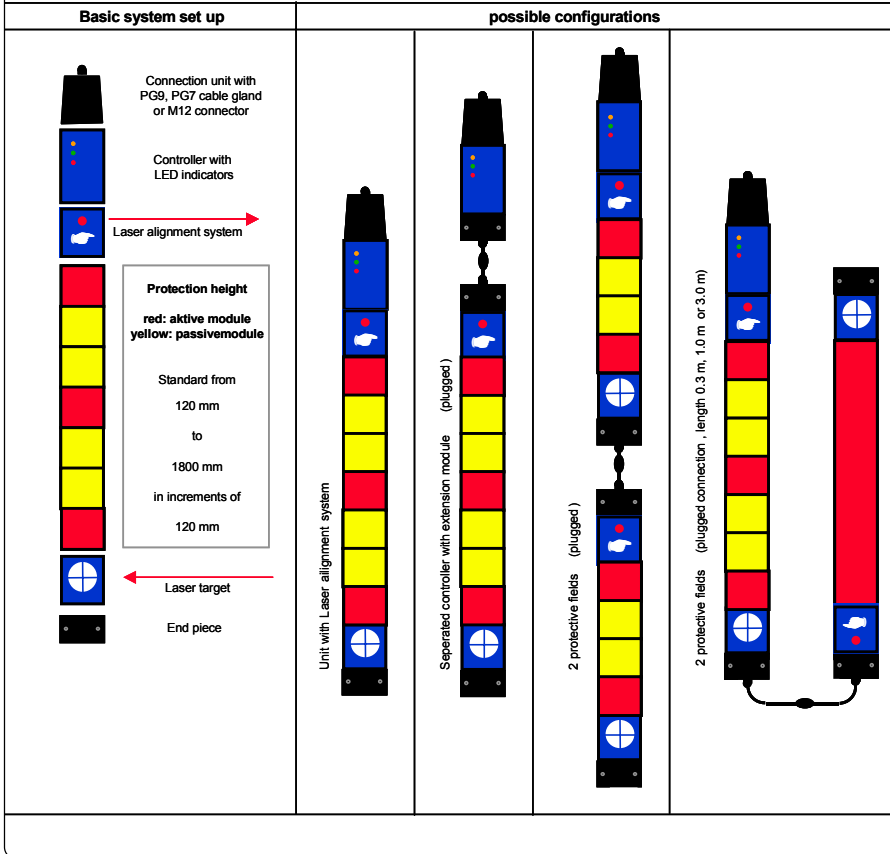
Option: vertical mounting bracket, adjustable $\pm 4^\circ$



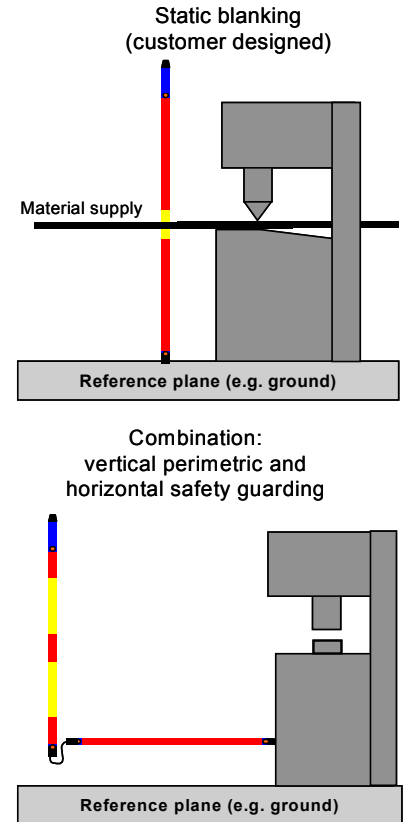
Diagram



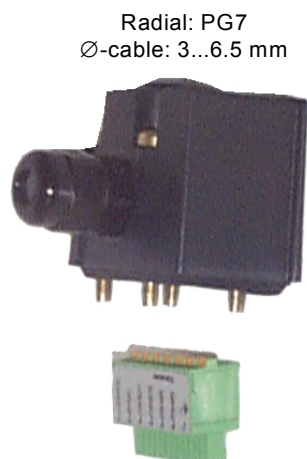
Possible configurations



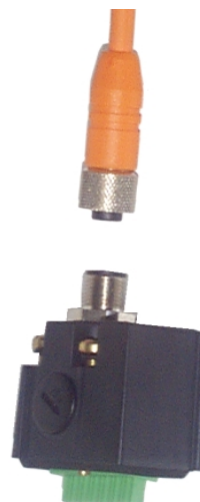
Further applications



Connecting possibilities



Axial: plug type
M12/5-Pin Lumberg

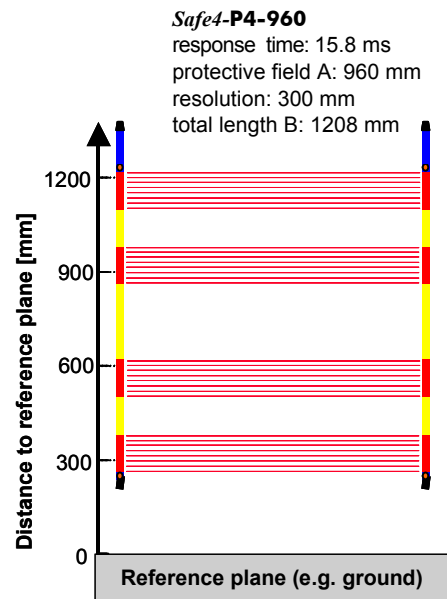
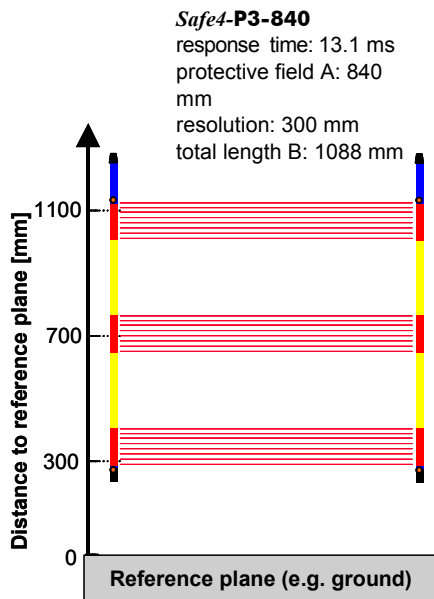
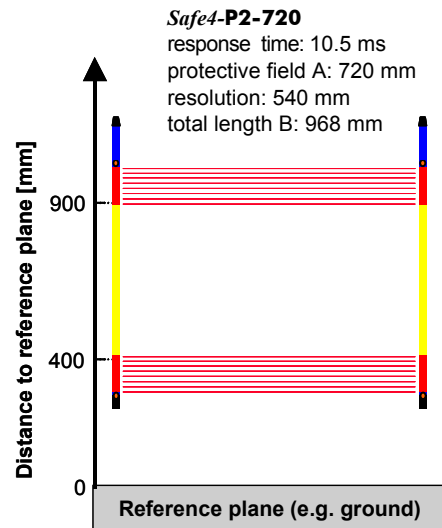
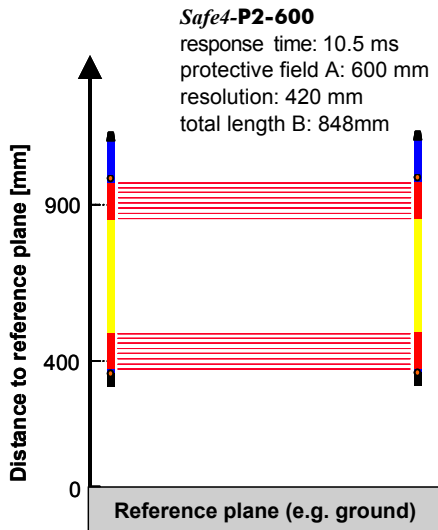


Plug-in connection (up to 3 m)



Perimeter-Safety Light Grid Type 4 according EN 61496, range 18 m

Resolution of active modules: 30 mm, Laser alignment system integrated



The difference of the total length "B" of units "with" and "without" Laser alignment system is 50 mm.
 Other protection heights in increments of 120 mm, special system lengths or cascading systems available on request.

The modular construction of the *Safe4 Perimeter* allows for the most varied formations. **CEDES AG** will supply, on request, a CD entitled '*Safety Configurator*' to show clearly the various combinations of formations.
 (System description: WINDOWS: min. 3.x, 95 or 98, Processor: 80486 or Pentium, RAM: min. 8 MB, Graphics: VGA.)