



Light curtains for elevators

CEDES



cegard/Mini

Perfect for static applications

Quality and functionality were the key objectives when the cegard/Mini was first conceived. The combination of new and proven technology in a single light curtain offers a reliable and robust means of safeguarding elevator doors. The device is particularly suitable for static applications.

The latest product in the CEDES range of light curtains, the cegard/Mini, is the result of twenty years' experience in the development of optical monitoring sensors to safeguard elevator doors.

Although primarily designed for static applications, the cegard/Mini can be used universally. Thanks to its compact design and integrated controller, together with its simple plug-and-play connectivity, the safety light curtain is quickly and easily installed and set-up. When the system is running, the readily visible integrated LED-display shows the system's status. cegard/Mini is a safety light curtain which offers unparalleled levels of quality and robustness.



cegard/Mini

No. of Beams	Up to 154
Voltage	14 ... 30 VDC
Output	Short-circuit-proof, universal PNP / NPN Output
Response time	Typ. 60 ms (16 Element)
Operating range	0 ... 4 m
Standard	EN 81-70
Miscellaneous	Selectable protective field height Integrated controller with display Optional as IP67 Compatible with MiniMax, cegard/Max



MiniMax

Perfect for dynamic applications

Our ingenious engineering almost defies the laws of physics: thanks to a unique lens and specially designed reticule, the monitoring crossbeams remain active right up to the moment the elevator doors close completely. This makes the MiniMax the ideal safety light curtain for dynamic applications.

The use of this latest technology and ground-breaking optics guarantees maximum safety right up to the moment the doors are fully sealed. MiniMax is the ideal light curtain for new installations and for dynamic applications. Of course, the light curtain can also be used for static applications.

Its revolutionary design allows for universal mounting. The system includes a short-circuit-proof semiconductor, which can operate as PNP or NPN. In addition, an intelligent self-calibrating system greatly extends the lifespan of the infrared LED. MiniMax does not require any external control devices since the electronics and all optics are integrated into the edge itself.



MiniMax

No. of Beams	79 and 159
Voltage	10 ... 30 VDC
Output	Short-circuit-proof, universal PNP / NPN Output
Response time	Typ. 60 ms (17 Element)
Operating range	0 ... 3 m
Standard	EN 81-70
Miscellaneous	Crossbeam coverage down to 0 m Integrated controller Individually configurable lengths Compatible with cegard/Max, cegard/Mini



cegard/Max

Perfect for modernization

When it was launched over ten years ago, the cegard/Max revolutionized elevator door protection with both higher safety standards and better durability. The cegard/Max can be used in every environment and is ideal for modernizations.

Elevator manufacturers and operators appreciate cegard/Max's incredible reliability, which remains constant even under adverse conditions. With the cegard/Max safety light curtain, modernizations are quick and economical. Thanks to its multiple capabilities, the cegard/Max can easily be installed in any facility. Both the position of individual beams and the operating range can be specified to the millimeter, according to the customer's requirements.

A wide variety of mounting configurations is available to fit any and all door types, affording easy installation and instant operation. The cegard/Max system operates via an external control unit that accepts a range of voltage from 17 to 240 volts AC or DC.



cegard/Max

No. of Beams	Up to 154
Voltage	17 ... 240 VAC / DC
Output	Relays (250 VAC/8 A, 125 VDC/0.5 A, 30 VDC/8 A)
Response time	Typ. 75 ms (16 Element)
Operating range	0 ... 5 m
Standard	EN 81-70
Miscellaneous	Test input optional External controller Optional as IP67 Compatible with MiniMax, cegard/Mini



CEDES provides safety and comfort for people. Our technological know-how and global network offer our customers the most advanced sensor solutions. Innovation and quality are the hallmarks of our products and service. CEDES light curtains safeguard lifts, doors and gates and, at the same time, provide the highest degree of comfort.

CEDES – More than you expect!

Our strength is providing leading-edge technology throughout our product range. Semiconductor and 3D-camera technology is paving the future of our industry. Our detailed understanding and mastery of these technologies enable us to develop innovative and cost-effective products for our customers. Total Quality Management and process standards guarantee our customers the best in functionality, safety and reliability.

One of our core competences is developing customer-specific solutions. We offer not only standard products, which themselves have wide-ranging applications, but also tailor-made sensor solutions for specific applications. The customer is at the center of our process.

That's why our customers get exactly what they want.

More than you expect!



At CEDES, we know how vital partnership is between manufacturer and customer. In order to provide the best solutions along with the best service, we do not merely sell optical sensors: we develop client-specific solutions. That way you get the exact solution you need, backed by the service you expect.

Always by your side: you can find our nearest contact at www.cedes.com.