



Elevator sensors

Product overview

CEDES



More than you expect!

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. Our strength lies in providing leading-edge technology throughout our product range. Our goal is to provide customers with solutions that exceed their expectations.

One of our core competences is developing customer-specific solutions. Our detailed understanding and mastery of technology enable us to develop innovative and cost-effective tailor-made sensor solutions for specific applications, as well as standard products, which themselves have wide-ranging applications.

The customer is always at the heart of our process.



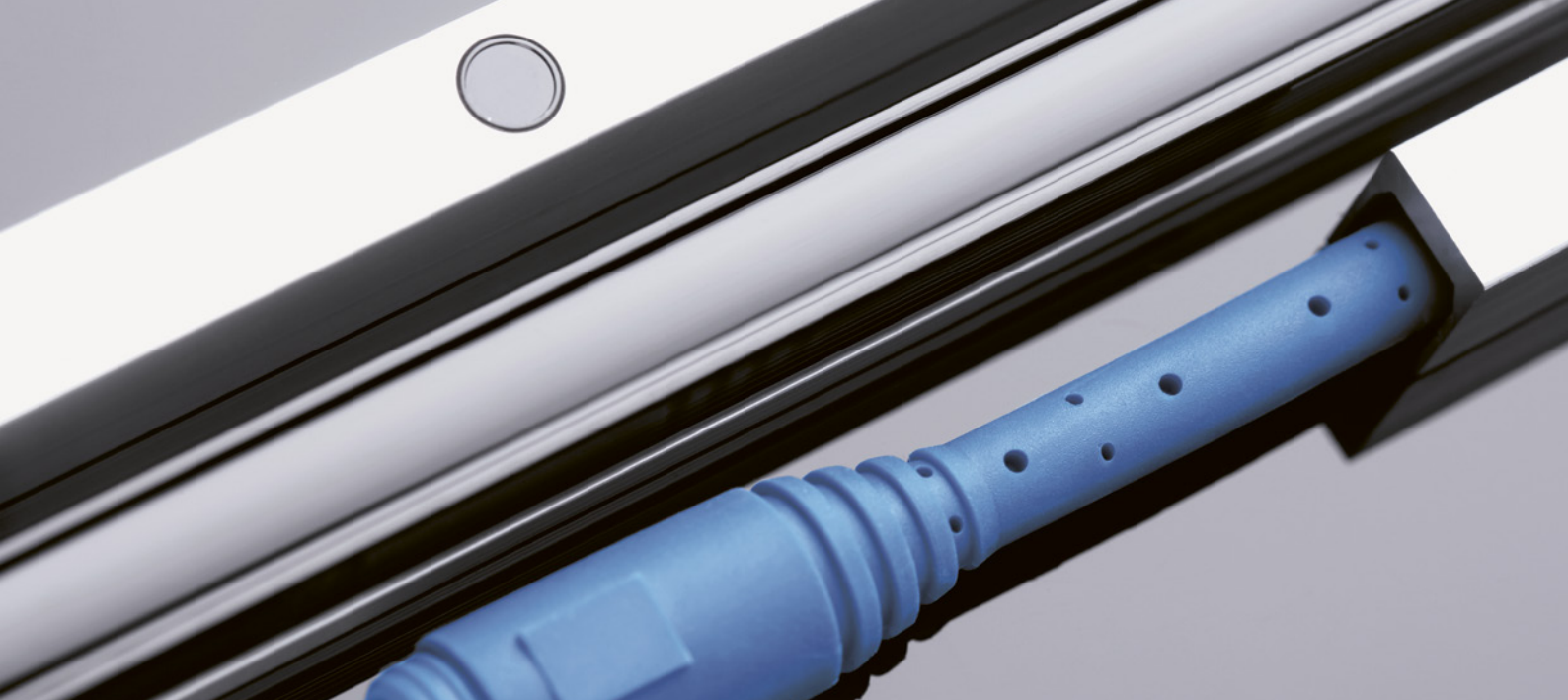


Sensors for the elevator industry


	IMS 100	ELS 300	ESPROS	TPS	GLS 126 NT	GLS 326	GLS 526
Technical data							
Type	3D-Sensor with distance info	Through-beam sensor	CMOS-Camera sensor	Triangulation sensor	Slot-type sensor	Slot-type sensor	Slot-type sensor
Operating range (in m)	0.5 ... 3	0.2 ... 12	2 ... 4.5	0.1 ... 2	n.a.	n.a.	n.a.
Response time (in ms)	200	20	n.a.	10	1	1	1
Supply voltage	10 ... 30 VDC (typ. 24 VDC)	10 ... 30 VDC	24 VDC +/- 20%	10 ... 30 VDC	10 ... 60 VDC	12 ... 60 VDC	10 ... 30 VDC
Current consumption (max.)	200 mA	10 mA	200 mA	40 mA	40 mA	100 mA	100 mA
Protection area	0.2 x 0.9 m (at 2 m)	1 beam	2.9 x 2.2 m (at 2.1 m)	Ø 70 mm	1 beam	3 beams	5 beams
Output type	PNP	PNP or NPN	2 relays	PNP	PNP / NPN	3 x PNP	PNP or NPN
Output current	50 mA	50 mA	n.a.	50 mA	120 mA	200 mA	100 mA
Enclosure rating	IP54	IP65	IP30	IP65	IP65	IP65	IP54
Dimensions (in mm)	102 x 27 x 23	12 x 13.2 x 15	125 x 67 x 37	150 x 48 x 26	51 x 49 x 41	72 x 72 x 20	36 x 108 x 64
Standards	CE, CSA	CE, TÜV	CE	CE	CE, CSA	CE	CE, CSA

Application segment

Modernization	●	●	●	●			
Capacity monitoring			●	●			
Safety monitoring			●	●			
Direction recognition			●	●			●
Entrance area monitoring	●						
Hoistway information					●	●	●
Door protection	●	●					
Customer-specific application	●	●			●	●	●



Light curtains for the elevator industry

	cegard/Mini	cegard/Mini-42	MiniMax	cegard/Max	cegard/Lift	GridScan
Technical data						
Light curtain type	Comfort	Comfort	Comfort	Comfort	Safety	Safety
Operating range (in m)	0 ... 4	0.8 ... 4	0 ... 3	0 ... 8	0.7 ... 4 / 4 ... 8	1.8 ... 12
Ambient light (in Lux)	> 75,000	> 75,000	> 75,000	> 100,000	> 50,000	100,000
Protection height (in mm)	1,582 / 1,822	1,800	1,800	1,400 ... 1,822	1,630 / 1,908	1,900
Response time (in ms)	60	100	60	60	80	50
Number of elements	8 / 12 / 16 / 32	42	17 / 33	8 / 16 / 24 / 32	16 / 24	18
Number of beams	Max. 154	42 (50 mm res.)	Max. 159	Max. 154	Max. 70	18
Supply voltage	14 ... 30 VDC	14 ... 30 VDC	10 ... 30 VDC	15 ... 25 VAC 17 ... 240 VAC/DC	19.2 ... 28.8 VDC 195 ... 265 VAC	10 ... 30 VDC
Output	PNP/NPN, 120 mA	PNP/NPN, 120 mA	PNP/NPN, 120 mA	Relays	PNP & relays	PNP, 100 mA
Enclosure rating	IP65 / IP67	IP65 / IP67	IP65	IP65 / IP67 (Controller IP54)	IP65 / IP67 (Controller IP54)	IP65
Standards	CE, CSA	CE, CSA	CE, CSA	CE, CSA	CE, TÜV	CE, TÜV

Application segment

Door protection	●	●	●	●	●	
Modernization	●	●	●	●	●	
Explosive surrounding Ex	●	●		●	●	
Elevators w/o inner doors					●	
Elevating platforms						●
Customer-specific application				●	●	



CEDES elevator sensors

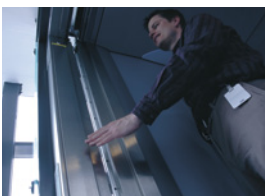
CEDES is a world leader when it comes to sensor solutions for elevators. Over 25 years we have built up partnerships with all the leading names in the industry, providing innovative sensor solutions with our extensive portfolio of proven sensors and light curtains. Our worldwide support program ensures we are where our customers are.

Innovation lies at the heart of CEDES. We have developed sensors that can be integrated into almost any installation but we also offer customer specific solutions to meet the needs of any application. That same innovation has led to the design of the IMS 100, a TOF (Time-of-Flight) based sensor for high-resolution 3D applications. This latest TOF technology enables intelligent and self-adjusting systems which afford easy installation. We combine incredible potential with proven products.

Whatever the application, we have the solution.



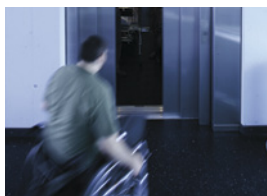
Door protection



Object recognition



Capacity monitoring



Entrance area monitoring



Hoistway information

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