



## **Doors & Gates sensors**

Product overview

**CEDES**  
*More than you expect!*



## 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 doors & gates industry

TOF/PSD	TOF/Statix	TOF/Spot	ELS 300	TLS 500	TLS 600	TPS
						

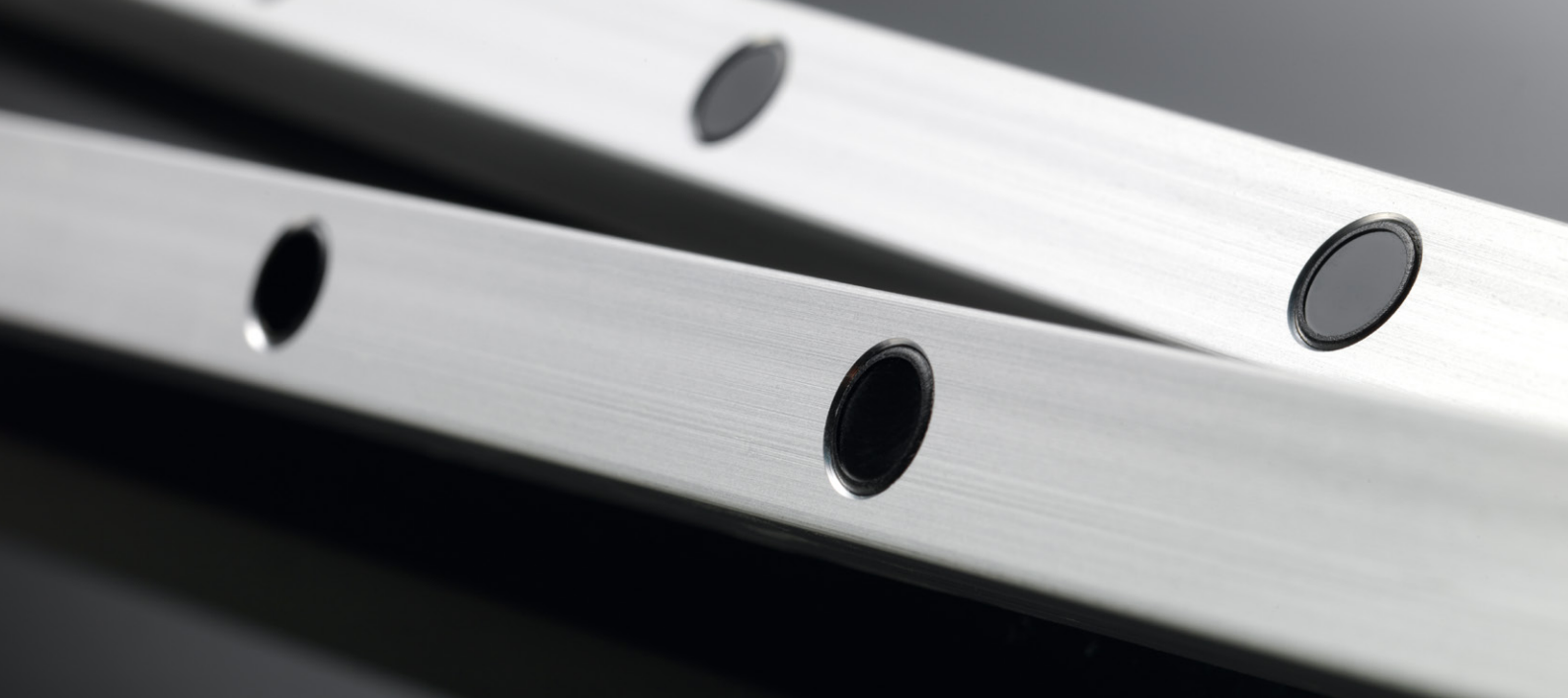
### Technical data

Type	Safety	Comfort	Safety	Safety	Comfort	Comfort	Comfort
Technology	TOF	TOF	TOF	Through-beam	Reflexion	Reflexion	Triangulation
Operating range (in m)	max. 3	max. 1.5	max. 6	max. 12	max. 6	max. 4	max. 2
Enclosure rating	IP50	IP54	IP65	IP65	IP65	IP40	IP65
Output	Semiconductor	Semiconductor	SSR, analog	Semiconductor	Semiconductor	Semiconductor	Semiconductor
Dimensions (in mm)	139 × 69 × 59	102 × 27 × 23	Ø 29.5 × 35.8	12 × 13.2 × 15	32 × 24 × 22	62 × 18 × 32	150 × 48 × 26
Customization capabilities	CAN Output	–	–	–	–	–	–
Certificates	CE, SGS TÜV EN 13849-1 Cat. 2, PL C EN 12978	CE, CSA	CE, TÜV EN 13849-1 Cat. 2, PL C EN 12978 DIN 18650 EN 16005	CE TÜV EN 13849-1 IEC 61496-2 EN 12978 EN 12453 DIN 18650-1	CE	CE	CE

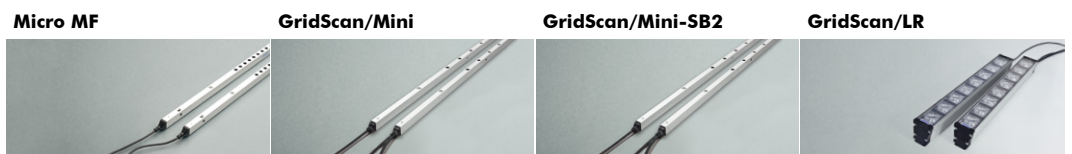
### Application segment

Pedestrian doors and gates	●	●	●	●	●	●	●
Industrial / garage doors				●	●		
Mass transit	●	●	●	●			●
Personnel sluices	●			●	●		●





## Light curtains for the doors & gates industry

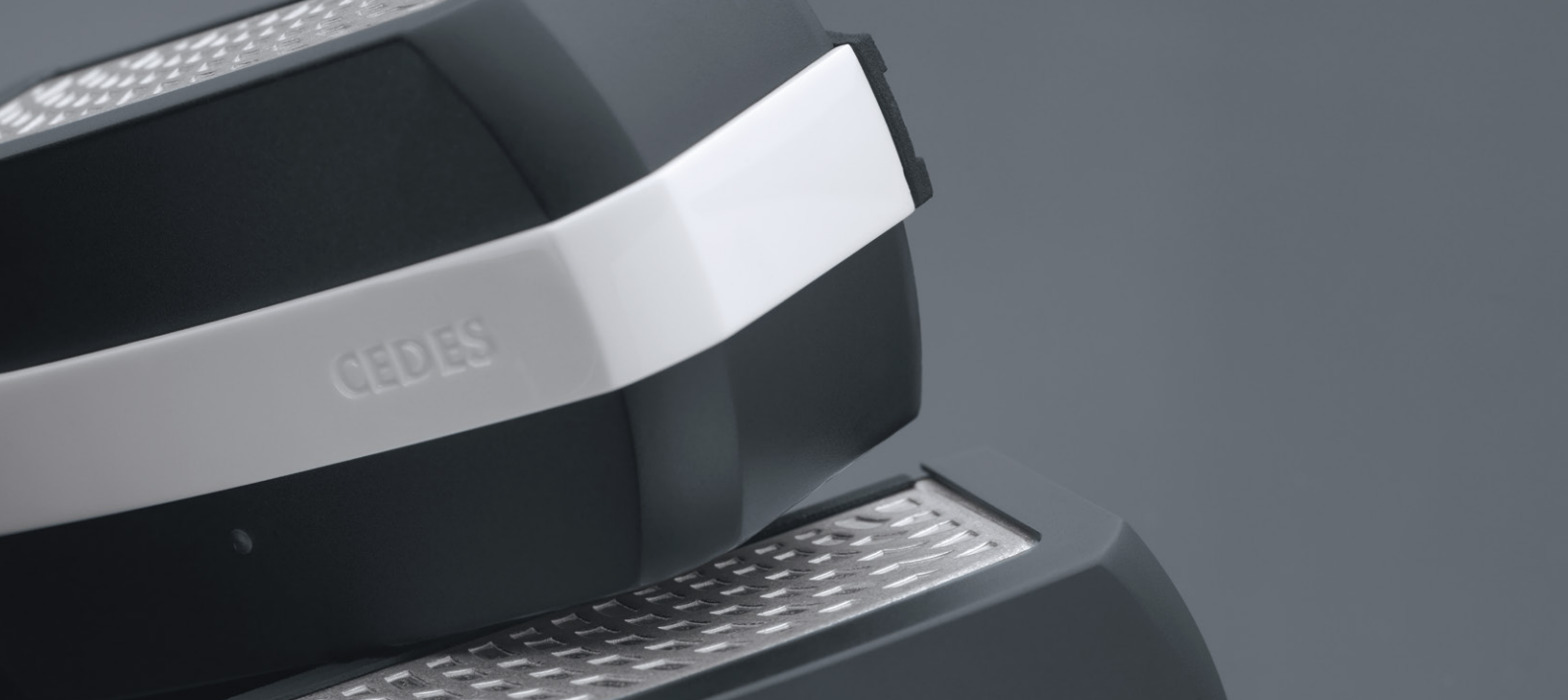


### Technical data

Type	Comfort	Safety	Safety	Safety
Housing material	Aluminum	Aluminum	Aluminum	Aluminum
Operating range (in m)	max. 6	max. 10	max. 8	max. 80
Protection height (in mm)	Up to 2,332	Up to 2,500	Up to 2,500	Up to 2,600
Number of elements	4 ... 32	4 ... 50	4 ... 50	4 ... 52
Number of beams	4 ... 94	4 ... 148	4 ... 50	4 ... 52
Supply voltage U <sub>SP</sub>	14 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	12 ... 30 VDC
Output	Semiconductor	Semiconductor, FSS	Semiconductor, FSS	Semiconductor
Enclosure rating	IP65 / IP67	IP67	IP67	IP67
Certificates	CE (Option: EN 50155, EN 50121)	CE, CSA, TÜV EN 13849-1 Cat. 2, PL D (excl. IEC 61496) EN 61508, SIL 2	CE, TÜV EN 13849-1 Cat. 2, PLD EN 12978 EN 61508 SIL 2	CE, TÜV EN 13849-1 Cat. 2, PLD EN 12978 EN 61508 SIL 2

### Application segment

Pedestrian doors and gates	●			
Industrial / garage doors	●	●	●	●
Mass transit	●			●
Personnel sluices				



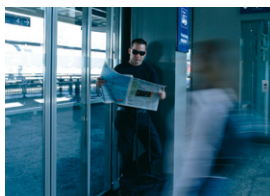
## CEDES doors & gates sensors

CEDES offers an extensive range of high-quality yet very cost-effective sensor solutions for the automatic door and gate market. Using over 25 years experience in developing innovative sensor technology, CEDES has built up a comprehensive product portfolio of sensors and light curtains.

From safeguarding small sectional doors, such as those in private garages, right up to huge aircraft hangar entrances, CEDES has the right product at the right price.

The TÜV-certified GridScan/Mini offers outstanding safeguarding for all types of industrial doors and gates. The TLS 500/600 sensors reliably detect both people and objects while the TOF/Spot can measure distance with incredible accuracy, thanks to its Time-of-Flight technology.

Whatever the application, we have the solution.



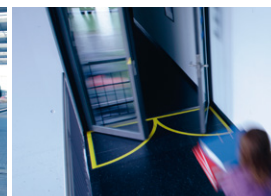
Pedestrian doors and gates



Industrial / garage doors



Mass transit



Object recognition



Access management

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