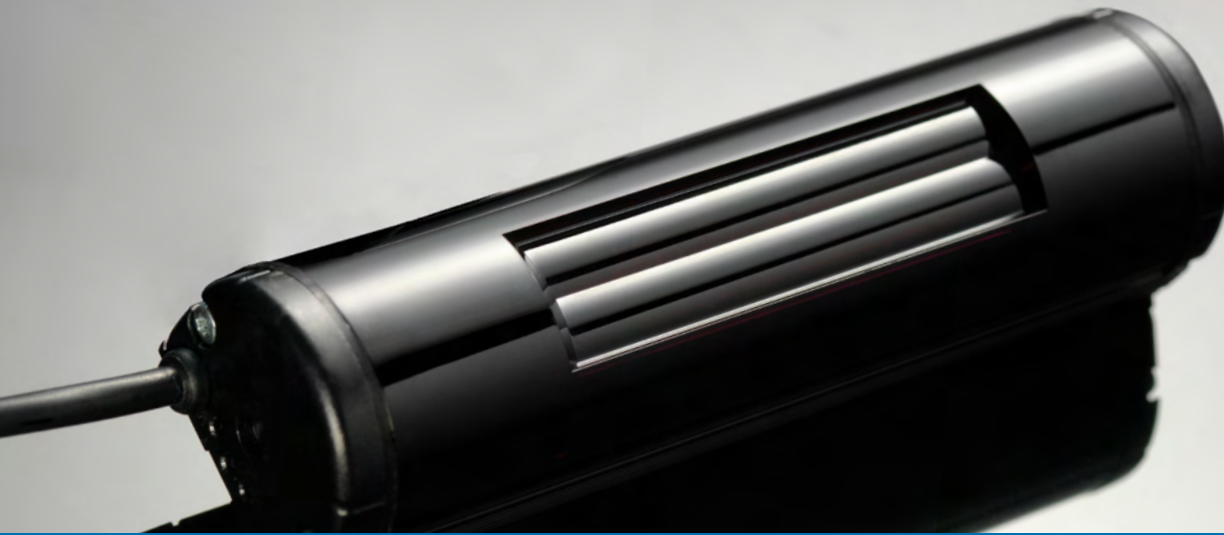




Sensors for public transportation

Product overview

CEDES
More than you expect!

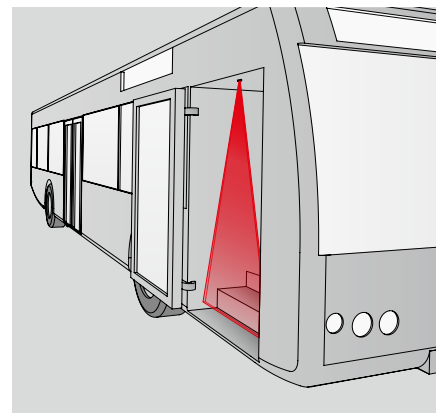


General features of CEDES sensors

- Insensitive to variable light conditions
- Work with all types of background
- TÜV-approved, category 2 sensors available
- Solutions for presence and movement detection, direction recognition and people counting available
- Compact housing enables the sensor to be hidden, preventing vandalism

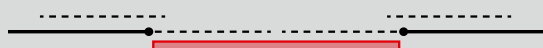
TOF/Statix

- Time-Of-Flight technology
- Very reliable object detection due to distance measurement, even of objects with lowest degree of reflectivity
- Customer specific versions up to 1.5 m range
- Test input for increased safety
- Wide and stable detection area

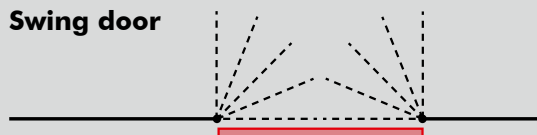


TOF/Statix

Sliding door



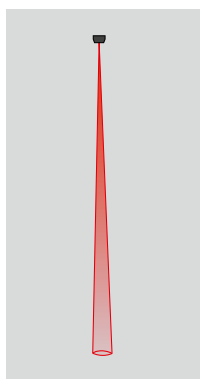
Swing door





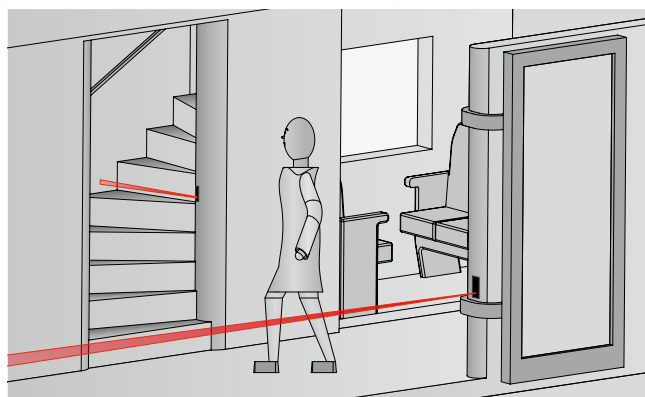
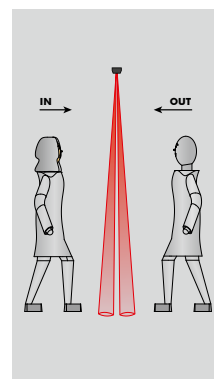
TPS 100 presence detection

- Triangulation proximity sensor
- Up to 2 m operating range (adjustable)
- Very accurate & reliable presence detection
- Small and stable detection area to safeguard specific areas



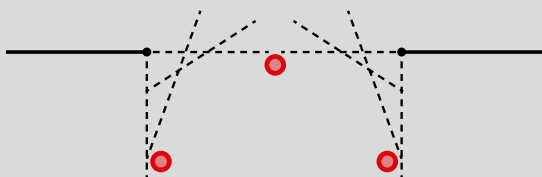
TPS 210 people counting

- Triangulation proximity sensor
- Up to 2 m operating range (adjustable)
- Very accurate and reliable counting
- Multiple sensors can be used to ensure most accurate counting for wide entrances

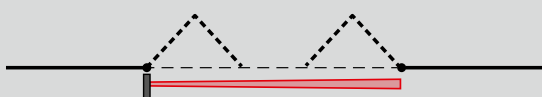


TPS

Slide-glide door



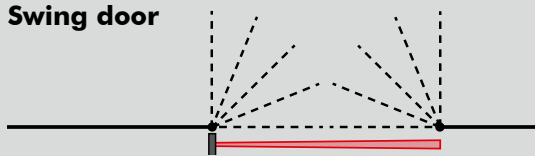
Folding door



Sliding door



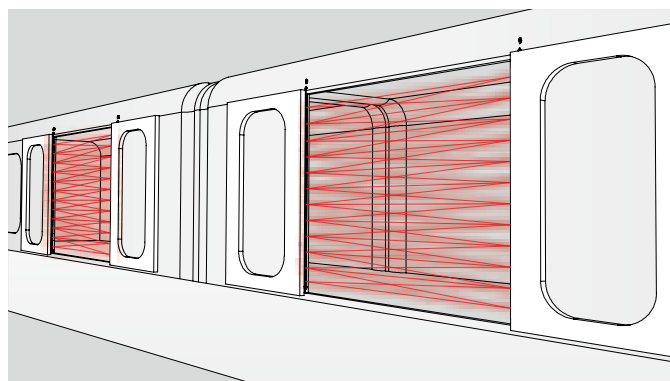
Swing door





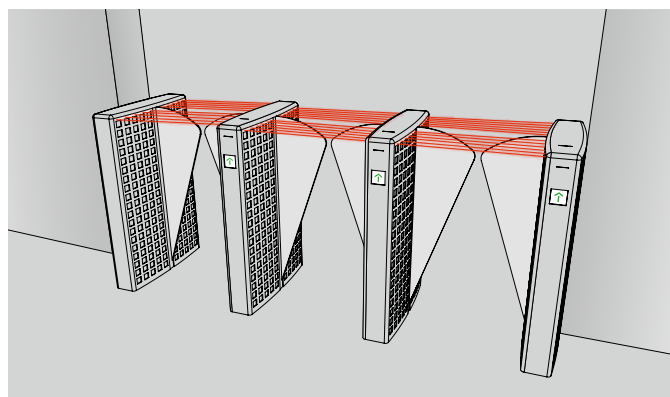
Micro MF

- Light curtain featuring criss-cross beams
- Railway rated – EN 50121 and EN 50155 variants available
- Enclosure rating IP65 or IP67
- Small cross-section of 12 mm × 16 mm in a rigid aluminum profile
- Customer specific length and beam configuration
- Insensitive to dust & dirt due to high light reserve



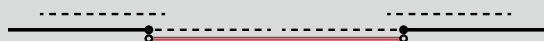
Micro MF/M

- Light curtain with two protection zones
- Optical elements run entire length of edge
- Small cross-section of 12 mm × 27 mm in a rigid aluminum profile
- Customer specific length and beam configuration
- Test input for increased safety
- Very robust against other or changing light sources and EMC interference

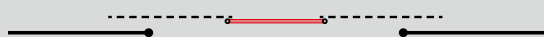


Micro MF

Sliding door (static)

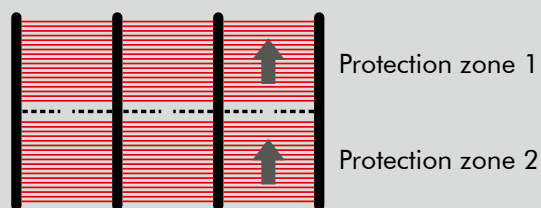


Sliding door (dynamic)



Micro MF/M

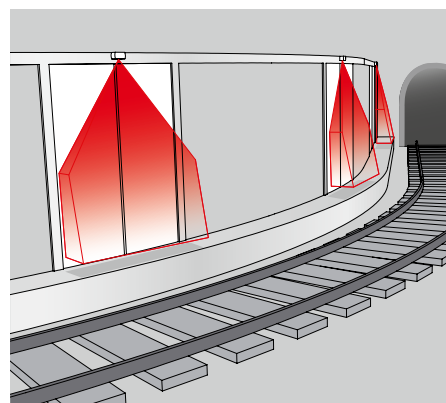
Personnel sluices





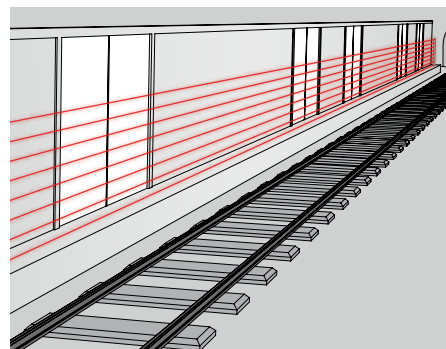
TOF/PSD

- Time-Of-Flight technology
- Very reliable object detection due to distance measurement, even of objects with lowest degree of reflectivity
- Up to 3m operating range (adjustable)
- Test input for increased safety
- TÜV-approved, category 2
- Detection area adjustable in all directions



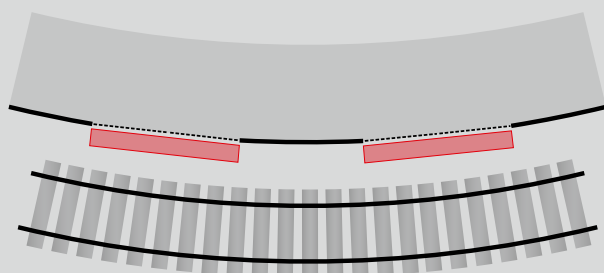
GridScan/LR 80m operating range

- Light curtain for static applications
- Multiscan feature prevents interference from snow or rain
- TÜV-approved, SIL 2
- IP67 housing



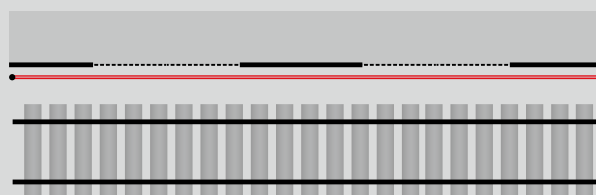
TOF/PSD

Curved platform screen doors



GridScan/LR

Straight platform screen doors



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