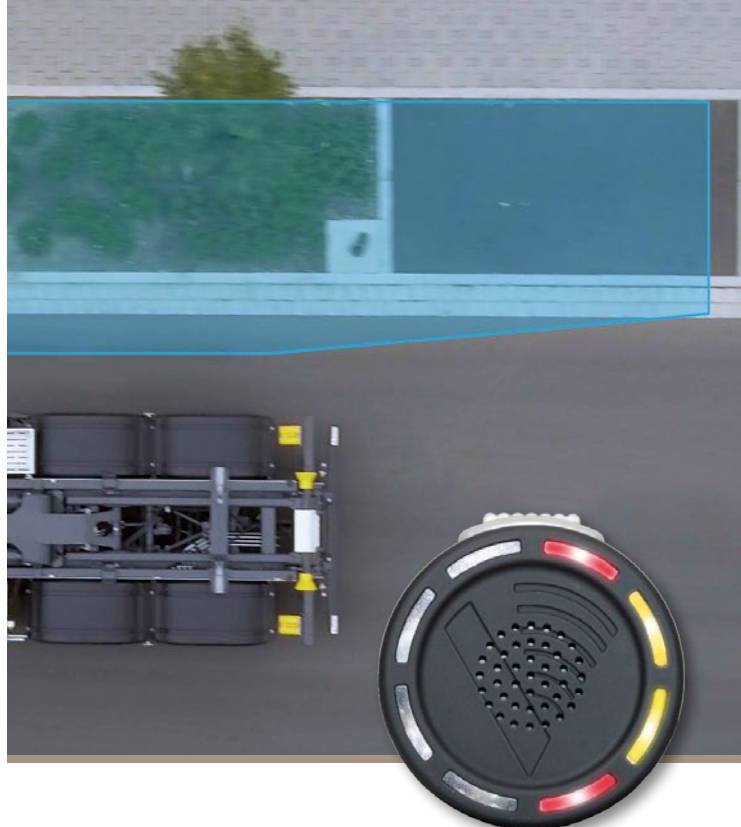
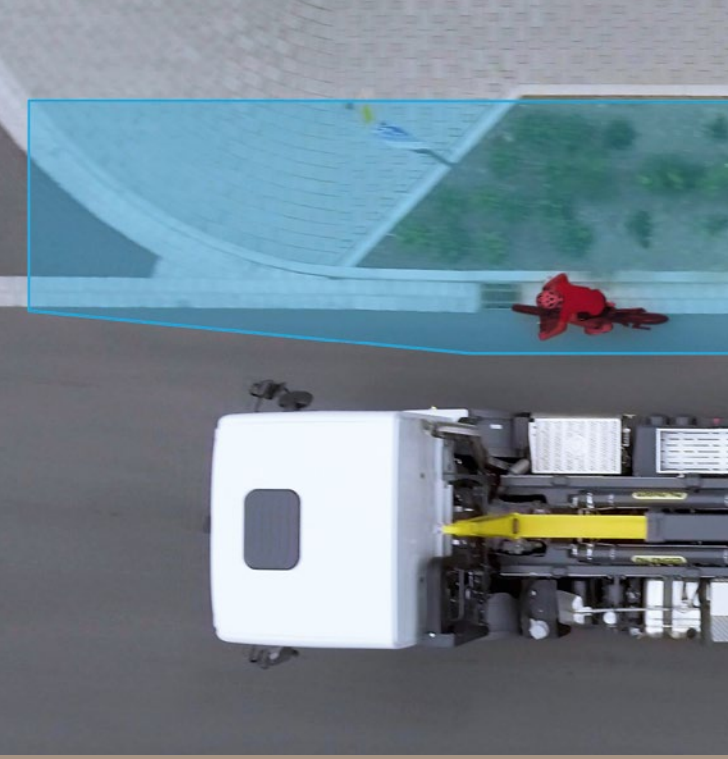




Turn Assist System AAS

Protecting vulnerable road users



The AAS-GPS/-CAN turn assist system is based on the PRECO Preview Side Defender® II FMCW radar sensor. The object detection system alerts drivers of medium-size and heavyduty vehicles (>3.5 t) when vulnerable road users are in the danger zone next to the vehicle.

Thanks to its smart operating modes, the AAS triggers alerts when bicyclists or other vehicles enter the detection zone. False alerts due to stationary objects are kept to a minimum.

The radar sensor features a built-in self test (BIST) function. Specifically developed for this application, the wide horizontal field of vision (up to $\pm 85^\circ$) covers an area approximately 12 m long and 3 m wide next to the vehicle.

The LED display on the A-pillar provides the driver with visual alerts. When the turn signal is activated, an additional audible alert is generated.

The sensor can handle tough environmental conditions and works during the day and at night.

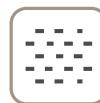
Always reliable:



Rain



Snow



Dust



Fog



Day & Night



GPS Antenna

The vehicle speed is essential for the accurate assessment of a given traffic situation. It is provided in one of two ways: by an active GPS antenna or the vehicle's own CAN bus.

3



Sensor

1

Frequency range	24 GHz
Operating voltage	9 - 33 V
Dimensions	103 x 124 x 33 mm (WxHxD)
Temperature range	-40 °C to +85 °C
Protection class	IP 69 K
Vibration resistance	25 G

Sensor

The rugged sensor holds up to tough environments and detects and categorizes multiple objects at the same time. Depending on the situation, it differentiates between stationary and moving objects. That is why the sensor can also be used as a lane-change assistant at higher speeds.

Display

2

Power supply	via radar sensor
Dimensions	50 x 27 mm (Dia. x D)
Temperature range	-40 °C to +85 °C
Protection class	IP 67
Vibration resistance	10 G
Housing	ABS plastics, black

Everything at a glance

The in-cab display on the A-pillar provides visual and audible alerts when potentially dangerous conditions arise next to the vehicle. Additionally, all system function status reports will be displayed here.

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