



Order designation

Smart R3S-8 radar scanner for operating barrier systems; without road surfacing work

Intelligent 60 GHz radar scanner for detecting static and dynamic objects at barrier systems

Art.-No. 10001552

Mounting bracket 120°

Art.-No. 10001595

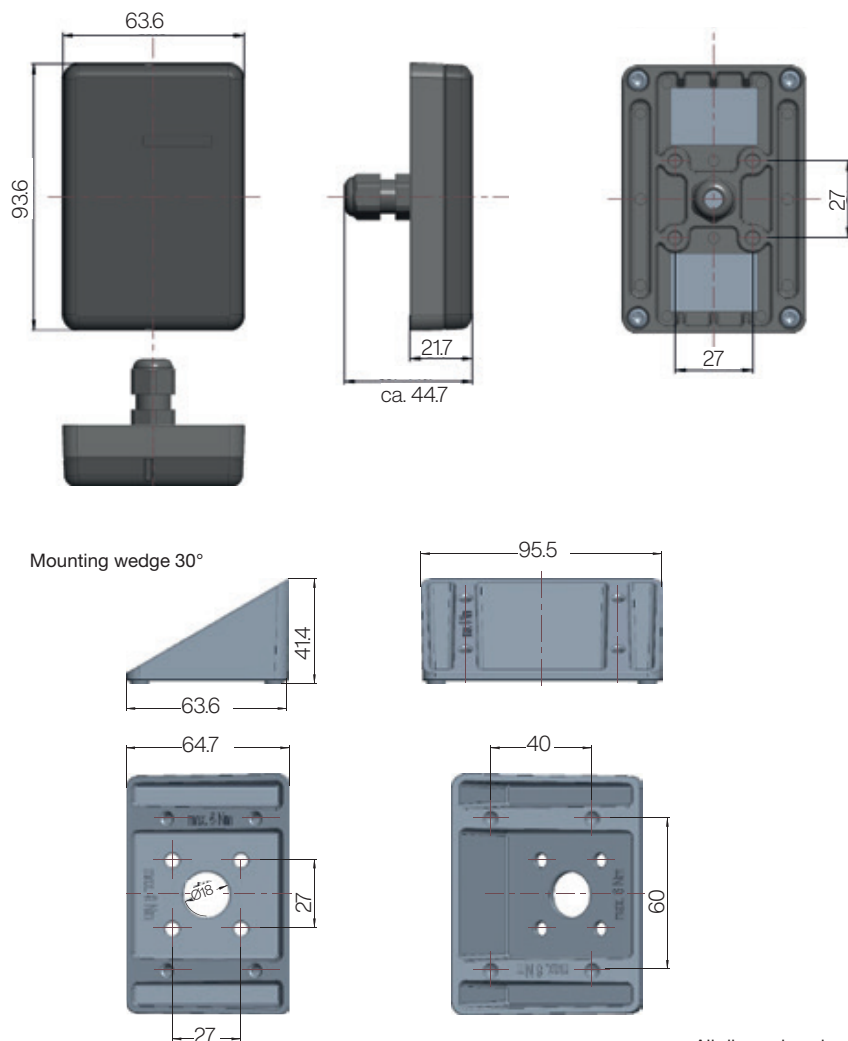
Mounting wedge 30°

Art.-No. 10001594

Features

- Simple, convenient installation without modifying the road surface
- Reliable object detection, whether moving or stationary, in detection and safety areas of barrier systems
- Ensuring safe differentiation between vehicles and pedestrians for barrier control
- Intuitive environmental teach in function and device configuration via mobile app
- Reliable function in harsh environmental conditions
- Tracking of static and dynamic objects
- Product-Lifecycle-Management, new feature updates and maintenance via Bluetooth and mobile app
- Open cable connection for the output of 3 switching signals: Open command area, Safety area, Drive-through signal
- Robust compact housing with protected connection for preventing unauthorized tampering

Dimensions



All dimensions in mm

Technical Data

| | |
|---------------------------------|----------------------------------------------------------------------------------------------------------------|
| Technology | mmWave-Radar, FMCW |
| Frequency range | 60 - 64 GHz |
| Port | 8-pin connection cable 0.25 mm ² , 1.9 m |
| Power supply | 9 - 30 V DC |
| Mounting | 4 x M5 Fixing screws |
| Mounting height | 0.5 - 0.9 m, recommended 0.6 m a) with mounting wedge 30° (accessory) b) directly on the barrier housing |
| Detection range | max. 8.0 m x 8.0 m max. 6.0 m with person detection acc. EN 12453, protection level D |
| Power consumption | max. 1,8 W |
| Signal outputs | 3 solid state relays (galvanically isolated, common) |
| Signal inputs | 1 digital input, high activ |
| Switching voltage | max. 30 V AC/DC |
| Switching current | max. 100 mA |
| Operating status display | 5 LEDs: yellow / red / yellow / blue / green |
| Communication interface | Bluetooth BLE 5.0 |
| Reaction times | Detection without limiting filters: 200 ms |
| Temperature range | -30° C to 55° C |
| Housing | Polycarbonate, Die-cast aluminum |
| Dimensions (w x h x d) | 63.6 x 93.6 x 21.7 mm, without connection cable |
| Weight | 300 g, with connection cable |
| Protection class | IP65 |
| Protection level D | EN 12453 |