



# **Order designation**

Static R3S-8 radar scanner for the operation of force-limited 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°; Protective housing

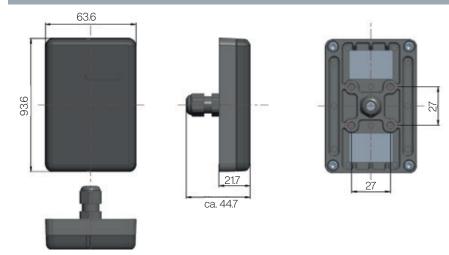
Art.-No. 10001595

Mounting wedge 30° Art.-No. 10001594

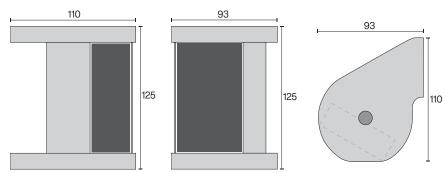
### **Features**

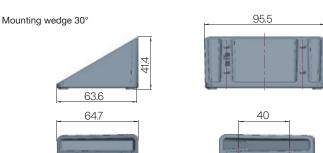
- Simple, convenient installation without modifying the road surface
- Reliable object detection, whether moving or stationary, in detection and safety areas of barrier systems
- Ensuring safe differentiation between vehicles and pedestrians for barrier control
- Intuitive environmental teach in function 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, Drivethrough signal
- Robust compact housing with protected connection for preventing unauthorized tampering

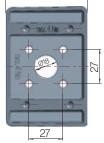
### **Dimensions**

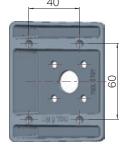


Mounting bracket 120° (Subject to change without notice)









All dimensions in mm

# **Technical Data**

Technology	mmWave-Radar, FMCW
Frequency range	60 - 64 GHz
Port	8-pin connection cable 0.25 mm², 1.9 m
Power supply	9 - 30 V DC
Mounting	4 x M5 Fixing screws
Mounting height	<ul><li>0.5 - 0.9 m, recommended 0.6 m</li><li>a) with mounting wedge 30° (accessory)</li><li>b) directly on the barrier housing</li></ul>
Detection range	max. 8.0 m x 8.0 m max. 6.0 m with person detection acc. EN 12453, protection level D

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Technical Data	
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
Approvals and certificates	CE conformity, FCC and ISED