



# RSF Radar Sensor

/EN

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**BG DRIVES**

# SMART RADAR SCANNER FOR BARRIER SYSTEMS

## Technical Data

Specification	Metric Units
Housing	Polycarbonate, aluminum diecast
Dimensions	63.6 x 93.6 x 21.7 mm
Weight	300 g
Connection	8-pin cable, 0.25 mm², 1.9 m
Protection class	IP65
Power supply	9 - 30 V DC
Power consumption	max. 1.8 W
Temperature range	-30° C to 55° C
Frequency range	60 - 64 GHz
Technology	Millimeter-wave radar, FMCW
Mounting	4 x M5 screws
Mounting height	0.3 - 0.9 m (max. 0.7 m EN12453)
Signal outputs	3 solid-state relays, common ground
Signal inputs	1 digital input testing
Switching voltage	max. 30 V AC/DC
Switching current	max. 100 mA
Operational status display	5 LEDs: yellow / red / yellow / blue / green
Communication interface	Bluetooth BLE 5.0
Detection range	max. 8.0 m x 8.0 m max 6.0 m at EN 12453 protection level D
Reaction speed	200 ms
Vehicle speed	max. 18.6 mph

## In short

- Simple and convenient installation without modifying the roadway surface
- Reliable object detection, whether moving or stationary, within the detection and hazard zones of barriers
- Secure differentiation between vehicles and pedestrians for barrier control
- Easy setup and adjustment of barrier access points and detection areas via mobile app
- Reliable operation even under adverse environmental conditions

