# SIMATIC RF200

## The compact RFID system in the HF range

## February 2012


As the world's leading provider of identification systems, Siemens offers the comprehensive SIMATIC Ident range of RFID and code reading systems – from a single source.

SIMATIC RF200 is the new, compact RFID system in the SIMATIC RF product family.
The system comprises space-saving HF readers which are ideal for use in small assembly lines or in intralogistics.

SIMATIC RF200 readers support the RFID standard ISO 15693 and are thus ideally suited for operation with our extensive range of ISO transponders. Three versions of the system are available, classified according to performance. All are characterized by their rugged, compact and industry-standard construction.

**SIMATIC RF210R and SIMATIC RF220R**

With diameters of just 18 mm or 30 mm and an integrated antenna, the RFID readers are adapted to the space requirements of particularly small assembly lines. Thanks to the cylindrical design, the readers can even be flush mounted on metal. The status is displayed via a multi-color LED ring.

**SIMATIC RF240R and SIMATIC RF260R**

Thanks to their compact dimensioning, wide range and integral antenna, these readers are optimal for universal application in small assembly lines and in conveyor systems.
The status is displayed via a multi-color diagnostics LED.

# SIMATIC Ident

Answers for industry.

SIEMENS

## Technical highlights

| Product | SIMATIC RF210R | SIMATIC RF220R | SIMATIC RF240R | SIMATIC RF260R |
|---|---|---|---|---|
| |  |  |  |  |
| Memory capacity | transponder dependent: up to 992 bytes (EEPROM), up to 2000 bytes (FRAM) | | | |
| Range, max. | 18 mm | 40 mm | 65 mm | 130 mm |
| Degree of protection | IP67 | IP67 | IP67 | IP67 |
| Dimensions (L x W x H / Ø x H) in mm | M18 x 71 (without connector) | M30 x 71 (without connector) | 50 x 50 x 30 | 75 x 75 x 41 |
| Product selection code | 6GT2 821-1AC10 | 6GT2 821-2AC10 | 6GT2821-4AC10 (RS422)<br>6GT2821-4AC11 (RS232) | 6GT2821-6AC10 (RS422)<br>6GT2 821-6AC11 (RS232) |

Thanks to use of the S7 function blocks FC45/FB45, existing MOBY or SIMATIC RF applications can simply be retained or expanded. The RF200 system can be connected to PROFIBUS/ PROFINET and TCP/IP-XML via the communication modules or connected serially without communication modules to the automation level.

The maintenance-free ISO 15693 data media used from the MOBY D portfolio have a memory capacity of up to 992 bytes (EEPROM) or 2000 bytes (FRAM). This means that the paths and stations of components, products, containers and other vessels remain transparent and can be seamlessly tracked and documented.

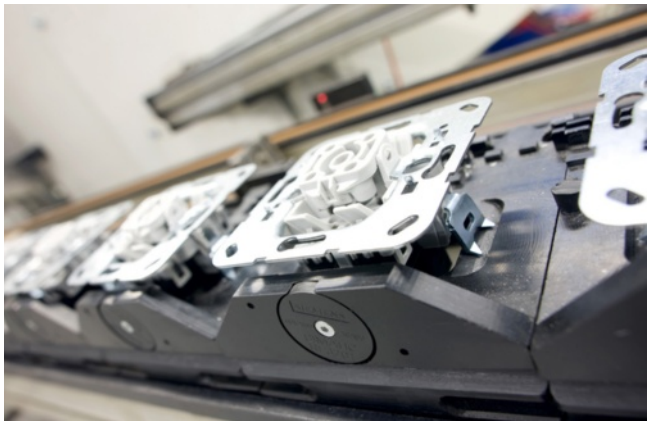
### Typical application areas

The SIMATIC RF200 system is optimally suited for employment in assembly and handling systems. The readers can be used in assembly lines for identification of workpiece carriers. In production logistics and material flow control, components, containers and other vessels can be identified easily. This simplifies manufacturing since special customer requirements can be flexibly integrated into the production processes. Due to the traceability of the individual steps, high quality is assured throughout production and delivery.

### Utilization of all TIA benefits

The SIMATIC RF200 system can be completely integrated in TIA. Simplified commissioning, diagnostics and maintenance thanks to the integrated bus connection to the SIMATIC control level via PROFIBUS and PROFINET.

Easy S7 software integration via prefabricated function blocks results in significant time savings during engineering. An integrated error reporting function provides direct system diagnostics. The SIMATIC RF200 system ensures high security of investment due to the open standard ISO 15693 and standardized communication interfaces. As part of our comprehensive portfolio of identification systems, SIMATIC RF200 offers a compact system for applications in the low to midperformance level.



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