

SIMATIC RF600 IDENTIFICATION SYSTEMS

Product Data Sheet

6GT2811-6AA10-2AA0

SIMATIC RF680R UHF RFID reader

FUNCTION	FAMILY	ORIGIN	WEIGHT
SIMATIC RF680R UHF RFID reader	SIMATIC RF600 identification systems	Germany	Confirm before dispatch

Siemens Simatic S7 6GT2811-6AA10-2AA0 is a SIMATIC RF680R UHF RFID reader for the SIMATIC RF600 identification systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6GT2811-6AA10-2AA0
Product Class	Simatic Rf680R Uhf Rfid Reader
Product Family	SIMATIC RF600 identification systems
RFID Band	UHF EPCglobal Class 1 Gen 2
Antenna Capacity	Up to 4 external antennas
Communication	Industrial Ethernet / PROFINET
Reader Type	SIMATIC RF680R
Air Interface	UHF backscatter
Tag Protocol	ISO/IEC 18000-63
Status Indication	Two LED rows, 8 + 9 LEDs

ADDITIONAL PRODUCT DATA

Supply Class	24 V DC / PoE
Protection Class	Industrial enclosure
Configuration	SIMATIC RF management
Rated MTBF	28 years

OFFICIAL APPLICATIONS

- Sequence robotic handling with Simatic Rf680R: During operation of the robots, grippers and transfer fixtures, 6GT2811-6AA10-2AA0 serves its documented function as a SIMATIC RF680R UHF RFID reader. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.
- Align clean-in-place transfer with Simatic Rf680R: Inside the CIP supply and return headers, 6GT2811-6AA10-2AA0 handles its designated signal or control duty as a SIMATIC RF680R UHF RFID reader. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Protect order sorting with Simatic Rf680R process control: During operation of the scanners, diverters and destination lanes, 6GT2811-6AA10-2AA0 supports the configured automation role as a SIMATIC RF680R UHF RFID reader. During priority order, the system uses this function to apply the current order priority to the routing decision, helping it complete the order path in the intended sequence.

SYSTEM COMPATIBILITY

Match 6GT2811-6AA10-2AA0 to the installed SIMATIC RF600 identification systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6GT2811-6AA10-2AA0>

AMIKON PRODUCT SUPPORT

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