

SIMATIC IDENTIFICATION SYSTEMS

Product Data Sheet

6GT2501-0CA00

RFID reader communication unit

FUNCTION RFID reader communication unit	FAMILY SIMATIC identification systems	ORIGIN Germany	WEIGHT 0.9 kg
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Siemens Simatic S7 6GT2501-0CA00 is a RFID reader communication unit for the SIMATIC identification systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

transfer rate / with radio transmission / maximum	384 kbit/s
transfer rate / at the point-to-point connection / serial	115.2 kbit/s
protocol / with radio transmission	ISO 18000-4
standard for interfaces / for communication	RS422
type of electrical connection	6-pin connector compliant with EN 175201-804
at the digital inputs/outputs	11-pin connector compliant with EN 175201-804
number of digital inputs	2
number of digital outputs	0
for RS 422 interface / maximum	1000 m
rated value	24 V

ADDITIONAL PRODUCT DATA

OFFICIAL APPLICATIONS

- Read and write production transponders: Use 6GT2501-0CA00 at the documented read point to identify carriers, tools or workpieces and exchange data with the configured controller.
- Associate product identity with each process step: Mount and align 6GT2501-0CA00 for the approved transponder type, separation distance and communication interface; verify reliable reads across the operating envelope.
- Test antenna field and controller data: Confirm supply, interface wiring, diagnostic indications and representative read/write cycles on 6GT2501-0CA00 before enabling automated routing or traceability decisions.

SYSTEM COMPATIBILITY

Match 6GT2501-0CA00 to the installed SIMATIC identification systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6GT2501-0CA00>

AMIKON PRODUCT SUPPORT

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