

SIMATIC AUTOMATION SYSTEMS

Product Data Sheet

6ES7677-1DD10-0BA0

simatic automation system module

FUNCTION	FAMILY	ORIGIN	WEIGHT
simatic automation system module	SIMATIC automation systems	Germany	1.4 kg

Siemens Simatic S7 6ES7677-1DD10-0BA0 is a simatic automation system module for the SIMATIC automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Manufacturer	Siemens
Order Number	6ES7677-1DD10-0BA0
Product Type	Simatic Automation System Module
Product Family	SIMATIC automation systems
Country of Origin	Germany
Supply Voltage	24 V DC
Backplane Interface	SIMATIC system bus
Installation	Control cabinet
Protection Class	IP20
Configuration	STEP 7 engineering

ADDITIONAL PRODUCT DATA

Connector Check	Keying and pin condition
Grounding Check	Protective earth continuity
Configuration Record	Saved engineering project
Diagnostic Check	Module status and fault memory
Commissioning Test	Controlled functional test

OFFICIAL APPLICATIONS

- Use 6ES7677-1DD10-0BA0 in its documented control function: Apply 6ES7677-1DD10-0BA0 in the specified SIMATIC automation systems position and confirm the complete Siemens order number, installed hardware revision, power supply and approved engineering project before service.
- Record the installed interface arrangement: Photograph terminal labels, connector keying, network or signal cabling, shields, protective earth and neighboring modules. Preserve the documented slot and configuration during exchange.
- Test the affected automation function: After fitting 6ES7677-1DD10-0BA0, restore the controlled project, review module diagnostics and test the affected I/O, HMI, network, weighing or drive function at a safe operating point. Record final acceptance results.

SYSTEM COMPATIBILITY

Match 6ES7677-1DD10-0BA0 to the installed SIMATIC automation systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens Industry Mall product documentation](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7677-1DD10-0BA0>

AMIKON PRODUCT SUPPORT

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