

SIMATIC AUTOMATION SYSTEMS

Product Data Sheet

6ES7972-0AC80-0XA0

industrial automation control module

FUNCTION	FAMILY	ORIGIN	WEIGHT
industrial automation control module	SIMATIC automation systems	Germany	0.554 kg

Siemens SIMATIC S7 6ES7972-0AC80-0XA0 is a industrial automation control module for the SIMATIC automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Rated Supply	24 V DC
Mounting	Control cabinet
Protection Class	IP20
System Interface	Backplane bus
Configuration	Manufacturer engineering tool
Operating Mode	Continuous duty
Connection	Keyed industrial connector
Diagnostic State	Status indicators
Commissioning	Controlled functional test
Installation	Rack module

ADDITIONAL PRODUCT DATA

OFFICIAL APPLICATIONS

- Use the documented industrial automation control module: Apply 6ES7972-0AC80-0XA0 only in the manufacturer-specified SIMATIC automation systems position. Match the complete article number, electrical interfaces and adjacent hardware before service.
- Preserve interfaces and module position: Record connector keying, terminal assignments, shields, protective earth and neighboring assemblies for 6ES7972-0AC80-0XA0; restore the same controlled arrangement during installation.
- Validate the restored control function: After installing 6ES7972-0AC80-0XA0, review system diagnostics and test the affected signals, communication or controlled equipment at a safe operating point. Record the final acceptance results.

SYSTEM COMPATIBILITY

Match 6ES7972-0AC80-0XA0 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 technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7972-0AC80-0XA0>

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