

SIMATIC NET INDUSTRIAL COMMUNICATION

Product Data Sheet

6GK5646-2GS00-2AC2

industrial automation control module

FUNCTION	FAMILY	ORIGIN	WEIGHT
industrial automation control module	SIMATIC NET industrial communication	Germany	0.5 kg

Siemens SCALANCE 6GK5646-2GS00-2AC2 is a industrial automation control module for the SIMATIC NET industrial communication. 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

- Use the documented industrial automation control module: Apply 6GK5646-2GS00-2AC2 only in the manufacturer-specified SIMATIC NET industrial communication 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 6GK5646-2GS00-2AC2; restore the same controlled arrangement during installation.
- Validate the restored control function: After installing 6GK5646-2GS00-2AC2, review system diagnostics and test the affected signals, communication or controlled equipment at a safe operating point. Record the final acceptance results.

Match 6GK5646-2GS00-2AC2 to the installed SIMATIC NET industrial communication, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6GK5646-2GS00-2AC2>

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