

SCALANCE S INDUSTRIAL SECURITY

Product Data Sheet

6GK5642-2GS00-2AC2

SCALANCE SC642-2C security appliance

FUNCTION	FAMILY	ORIGIN	WEIGHT
SCALANCE SC642-2C security appliance	SCALANCE S industrial security	Germany	Confirm before dispatch

Siemens SCALANCE 6GK5642-2GS00-2AC2 is a SCALANCE SC642-2C security appliance for the SCALANCE S industrial security. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6GK5642-2GS00-2AC2
Product Class	Scalance Sc642-2C Security Appliance
Product Family	SCALANCE S industrial security
Port Layout	2 combo ports, RJ45 or SFP
Firewall Throughput	Up to 750 Mbit/s
VPN Protocols	IPsec and OpenVPN
Routing Functions	NAT and NAT
Remote Access	SINEMA Remote Connect
Ethernet Standard	IEEE 802.3 / 802.3u
Supply Class	24 V DC industrial supply

ADDITIONAL PRODUCT DATA

Mounting	DIN rail / S7 rail
Protection Class	IP20
Management	Web Based Management
Redundancy	Security-zone routing

OFFICIAL APPLICATIONS

- Protect machine-data collection with Scalance Sc642: For the coordinated operation of the machine gateways and production databases, 6GK5642-2GS00-2AC2 operates in its approved product-family role as a SCALANCE SC642-2C security appliance. During diagnostic polling, the system uses this function to separate production data from time-critical control messages, helping it deliver operating records without disturbing control traffic.
- Align cold-storage connectivity during refrigeration duty change: For the coordinated operation of the refrigeration controllers and supervisory stations, 6GK5642-2GS00-2AC2 provides its specified system function as a SCALANCE SC642-2C security appliance. During refrigeration duty change, the system uses this function to maintain controller and monitoring communication across the utility network, helping it preserve visibility of temperatures and equipment states.
- Supervise carrier identification exchange during carrier handoff: In the automation chain for the readers, conveyor controls and tracking servers, 6GK5642-2GS00-2AC2 operates in its approved product-family role as a SCALANCE SC642-2C security appliance. During carrier handoff, the system uses this function to move identity and route data with the carrier, helping it send the carrier to the intended operation.

SYSTEM COMPATIBILITY

Match 6GK5642-2GS00-2AC2 to the installed SCALANCE S industrial security, 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/6GK5642-2GS00-2AC2>

AMIKON PRODUCT SUPPORT

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